Bay-Delta Conservation Plan EIR/EIS Appendix 5A

Section C: CALSIM II and DSM2 Modeling Results

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Introduction

This section provides model CALSIM II and DSM2 model simulation results for alternatives evaluated for the BDCP EIR/EIS. Sections provided for each parameter include figures and tables in various formats to provide the reader with tools for multiple ways of analysis.

Different types of presentations are explained below:

- Probability of Exceedance Plots: Probability of exceedance plots provide the frequency of occurrence of values of a parameter that exceed a reference value. For this appendix, the calculation of exceedance probability is done by ranking the data. For example, for Shasta storage end of September exceedance plot, Shasta storage values at the end of September for each simulated year are sorted in ascending order. The smallest value would have a probability of exceedance of 100% since all other values would be greater than that value; and the largest value would have a probability of exceedance of 0%. All the values are plotted with probability of exceedance on the x-axis and the value of the parameter on the y-axis. Following the same example, if for one scenario, Shasta end of September of 2,000 TAF corresponds to 80% probability; it implies that Shasta end-of September storage is higher than 2,000 TAF in 80% of the years under the simulated conditions.
- Monthly Pattern Plots: Monthly pattern plots provide average values for a parameter for each month of the year. The averaging may be done on a long-term basis; which means that it is being averaged over the full number of simulated years, or it may be done for a set of simulated years that have a certain year type. In this appendix, year types are determined using the Sacramento Valley 40-30-30 Index developed by the State Water Resources Control Board (SWRCB). In this appendix, for year type based averages, the year type for each simulated year is assumed to be the classification of the year under current climate conditions. This type of plot is used to obtain insight to the monthly variation of phenomenon throughout the year.
- Long Term Average Summary and Year Type Based Statistics Summary Tables: These tables provide parameter values for each 10% increment of exceedance probability (rows) for each month (columns) as well as long-term and year-type averages (using the Sacramento Valley 40-30-30 Index developed by the SWRCB for current climate) for each month. For a few parameters, such as Delta outflow, annual total or average values are added to the tables (for volume and rates, respectively).
- Long Term Average Summary and Dry and Critical Year Type Based Summary Tables: these tables are primarily used to report average annual SWP and CVP deliveries for each hydrologic region. Values are averaged either for all the years (long-term) or for dry and critical years (using the Sacramento Valley 40-30-30 Index developed by the SWRCB for current climate). This table is also provided in a format that summarizes SWP and CVP agricultural and municipal and industrial deliveries to the north and south of Delta.
- Long Term Average Summary for SWP Table A and Article 21 Deliveries: This table provides firm and intermittent SWP deliveries on a long-term average basis.

- Long Term Average Summary for Total Delta Exports: This plot consists of stacked bars for north and south Delta exports to present the long-term and dry and critical year average (using the Sacramento Valley 40-30-30 Index developed by the SWRCB for current climate) for Delta exports.

All plots and tables are prepared to accommodate following comparisons:

- No Action Alternative at late-long term (with climate change and sea level rise) compared to existing conditions
- Alternatives at late-long term (with climate change and sea level rise) compared to existing conditions
- Alternatives at late-long term (with climate change and sea level rise) compared to the No Action Alternative at late-long term (with climate change and sea level rise)

Appropriate Use of Model Results

The physical models developed and applied in the BDCP analysis are generalized and simplified representations of a complex water resources system. A brief description of appropriate use of the model results to compare two scenarios or to compare against threshold values or standards is presented below.

Absolute vs. Relative Use of the Model Results

The models are not predictive models (in how they are applied in this project), and therefore the results cannot be considered as absolute with and within a quantifiable confidence interval. The model results are only useful in a comparative analysis and can only serve as an indicator of condition (e.g. compliance with a standard) and of trend (e.g. generalized impacts).

Appropriate Reporting Time-Step

Due to the assumptions involved in the input data sets and model logic, care must be taken to select the most appropriate time-step for the reporting of model results. Sub-monthly (e.g. weekly or daily) reporting of model results is inappropriate for all models and the results should be presented on a monthly basis.

Statistical Comparisons are Preferred

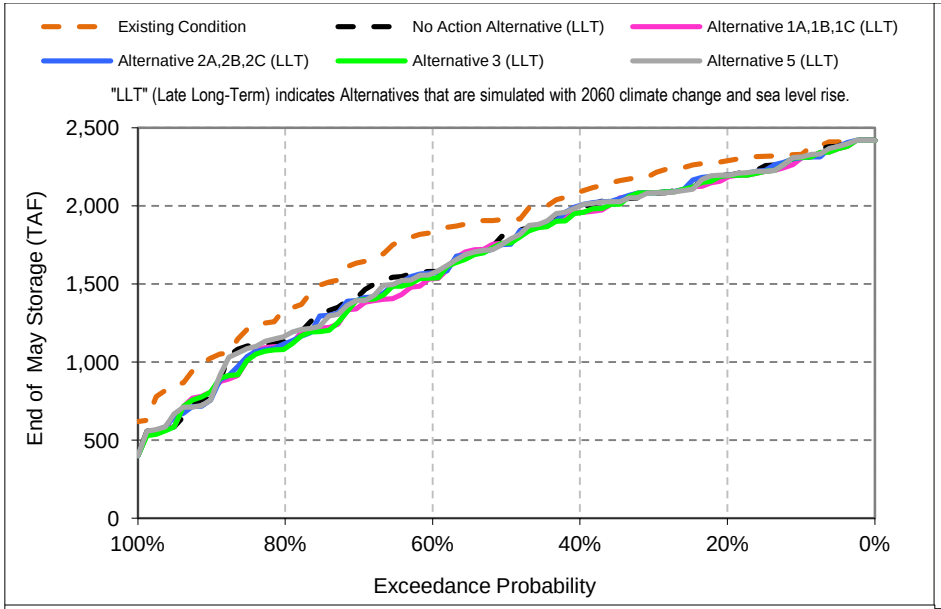
Absolute differences computed at a point in time between model results from an alternative and a baseline to evaluate impacts is an inappropriate use of model results (e.g. computing differences between the results from a baseline and an alternative for a particular day or month and year within the period of record of simulation). Likewise computing absolute differences between an alternative (or a baseline) and a specific threshold value or standard is an inappropriate use of model results. Statistics computed based on the absolute differences at a point in time (e.g. average of monthly differences) are an inappropriate use of model results. By computing the absolute differences in this way, disregards the changes in antecedent conditions between individual scenarios and distorts the evaluation of impacts of a specific action.

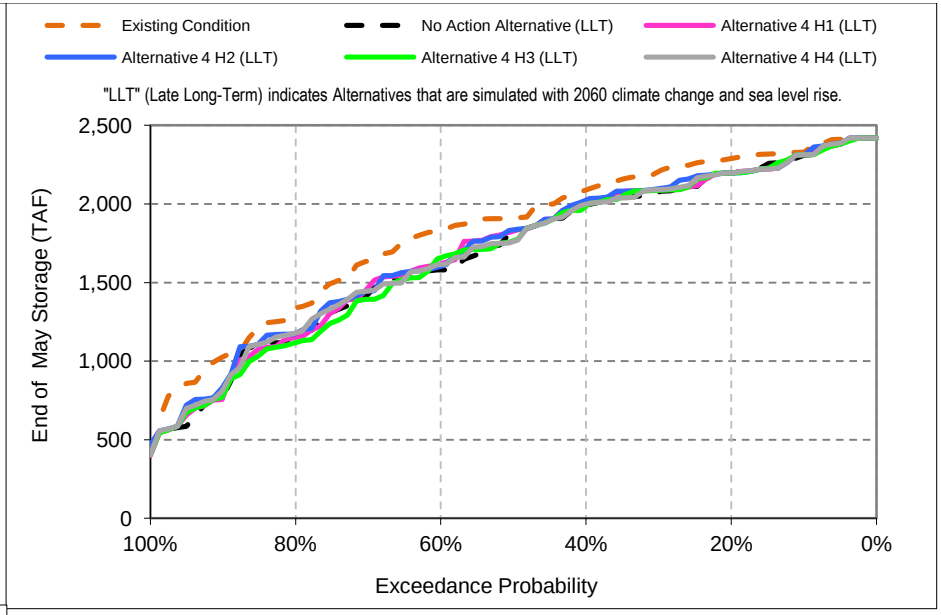
Reporting seasonal patterns from long-term averages and water year type averages is appropriate. Statistics computed based on long-term and water year type averages are an appropriate use of model results. Computing differences between long-term or water year type averages of model results from two scenarios are appropriate. Care should be taken to use the

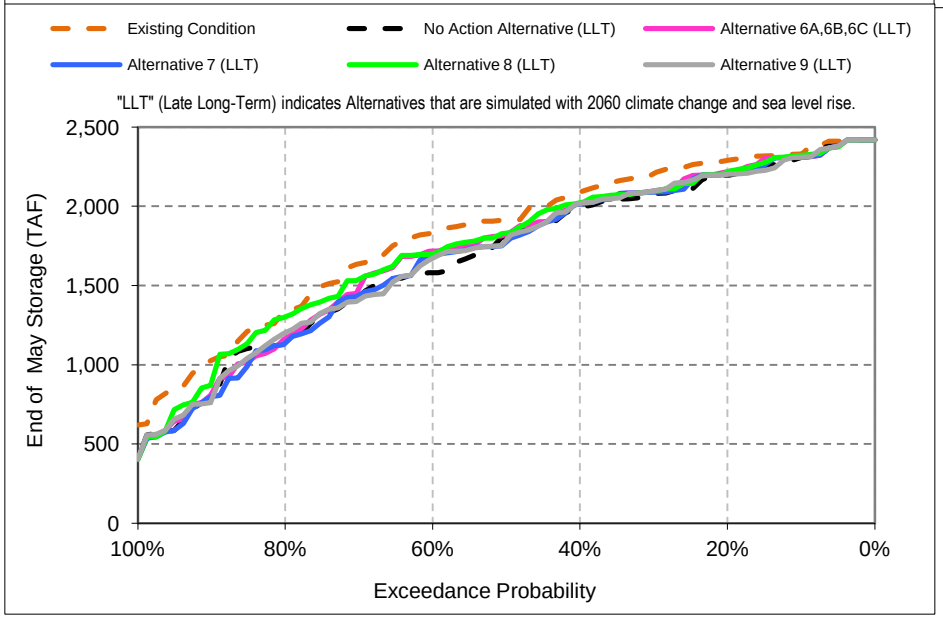
appropriate water year type for presenting water year type average statistics of model results (e.g. D1641 Sacramento River 40-30-30 or San Joaquin River 60-20-20 based on assumed with or without climate modifications). Water year types are based on the current climate and hydrologic conditions and are not modified for the late-long term level of climate and hydrology.

The most appropriate presentation of monthly and annual model results is in the form of probability distributions and comparisons of probability distributions (e.g. cumulative probabilities). If necessary, comparisons of model results against threshold or standard values should be limited to comparisons based on cumulative probability distributions.

C.1. Trinity Storage



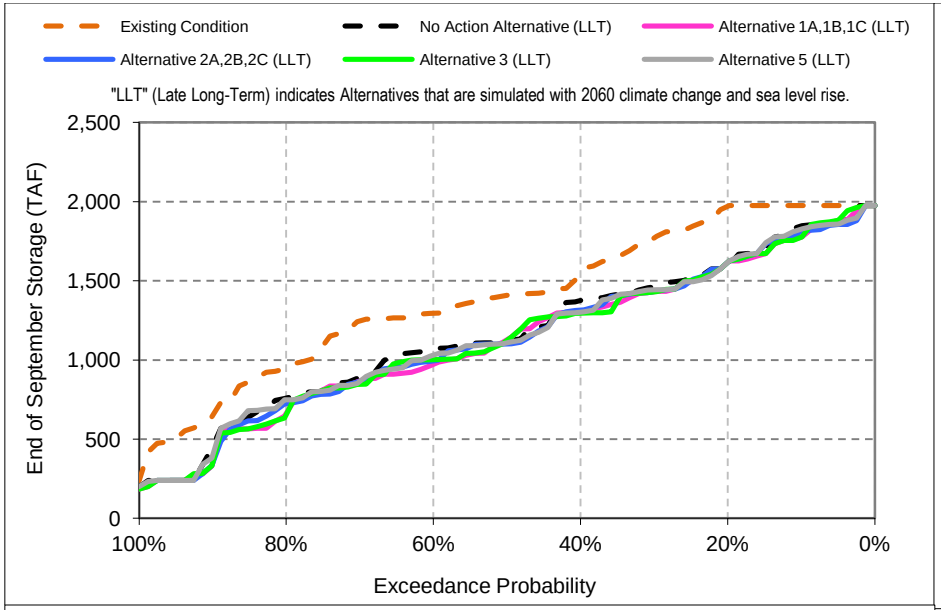


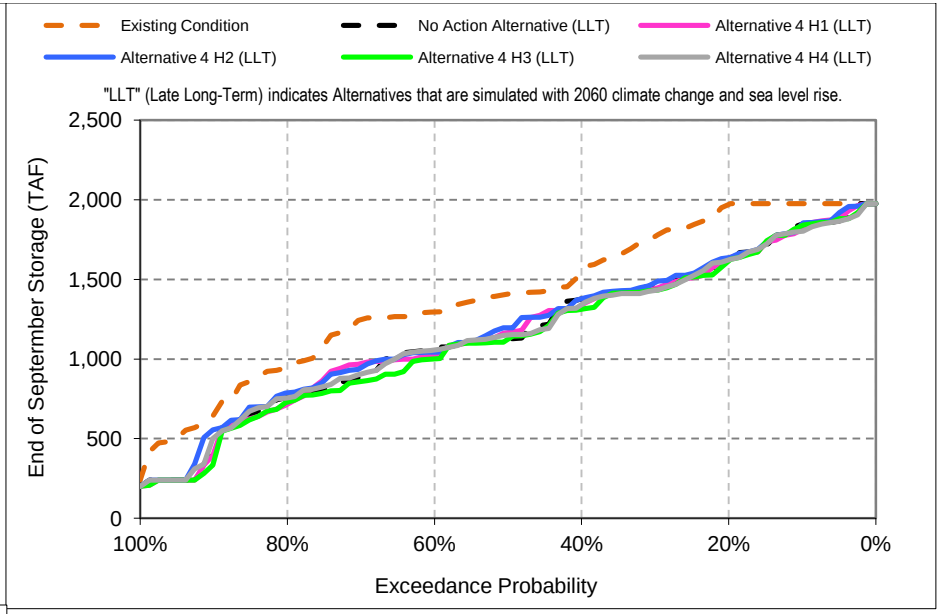


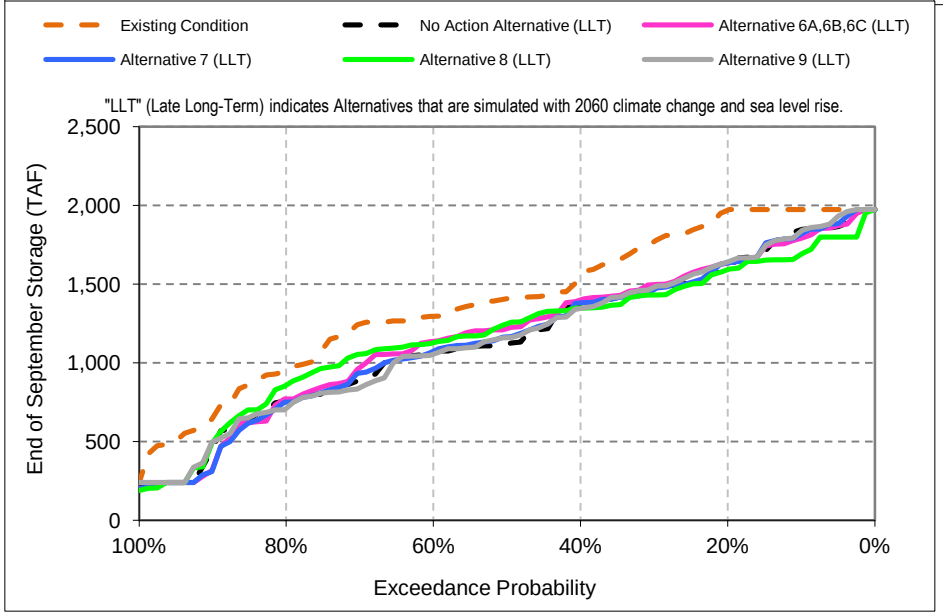
Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-1-1. Trinity Lake, End of May Storage







Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-1-2. Trinity Lake, End of September Storage

Table C-1-1. Trinity Lake, End of Month Storage

Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,850	1,850	1,850	1,900	2,000	2,100	2,299	2,329	2,366	2,270	2,150	1,975
20%	1,850	1,847	1,850	1,900	2,000	2,100	2,264	2,290	2,270	2,184	2,083	1,970
30%	1,744	1,796	1,846	1,848	1,965	2,098	2,215	2,206	2,143	2,006	1,872	1,770
40%	1,469	1,510	1,668	1,750	1,868	2,006	2,159	2,090	2,017	1,853	1,695	1,551
50%	1,353	1,364	1,440	1,584	1,718	1,834	1,981	1,912	1,840	1,694	1,532	1,408
60%	1,271	1,274	1,314	1,359	1,537	1,699	1,869	1,832	1,773	1,601	1,409	1,295
70%	1,196	1,188	1,234	1,297	1,387	1,500	1,650	1,637	1,611	1,495	1,360	1,247
80%	917	884	969	1,054	1,121	1,233	1,364	1,339	1,271	1,133	1,031	950
90%	641	689	675	674	814	890	1,041	1,028	1,009	820	697	651
Long Term												
Full Simulation Period[a]	1,326	1,336	1,385	1,447	1,557	1,679	1,827	1,822	1,787	1,650	1,513	1,393
Water Year Types[b]												
Wet (32%)	1,527	1,557	1,651	1,758	1,919	2,053	2,230	2,266	2,245	2,116	2,001	1,856
Above Normal (15%)	1,320	1,324	1,399	1,529	1,686	1,854	2,025	2,030	1,999	1,875	1,742	1,617
Below Normal (17%)	1,267	1,274	1,295	1,352	1,427	1,519	1,689	1,674	1,626	1,497	1,365	1,259
Dry (22%)	1,320	1,328	1,347	1,351	1,430	1,563	1,696	1,646	1,590	1,436	1,267	1,152
Critical (15%)	978	955	958	943	985	1,056	1,114	1,090	1,068	917	766	687

No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,759	1,706	1,813	1,900	2,000	2,100	2,278	2,309	2,243	2,101	1,977	1,847
20%	1,577	1,534	1,639	1,790	2,000	2,100	2,231	2,197	2,018	1,868	1,738	1,597
30%	1,403	1,414	1,519	1,680	1,894	2,068	2,192	2,076	1,931	1,790	1,639	1,462
40%	1,291	1,300	1,414	1,569	1,734	1,955	2,105	1,991	1,871	1,709	1,521	1,376
50%	1,104	1,147	1,258	1,438	1,584	1,756	1,889	1,806	1,645	1,443	1,267	1,119
60%	1,030	1,059	1,117	1,172	1,336	1,540	1,647	1,580	1,486	1,325	1,154	1,072
70%	809	867	941	1,035	1,178	1,374	1,511	1,426	1,331	1,155	1,001	887
80%	703	724	764	916	1,012	1,100	1,231	1,141	1,106	985	876	759
90%	316	335	482	615	651	824	847	774	757	642	511	457
Long Term												
Full Simulation Period[a]	1,110	1,118	1,203	1,312	1,460	1,601	1,737	1,685	1,583	1,433	1,283	1,163
Water Year Types[b]												
Wet (32%)	1,305	1,337	1,508	1,694	1,901	2,045	2,206	2,196	2,094	1,958	1,820	1,657
Above Normal (15%)	1,163	1,154	1,247	1,450	1,679	1,881	2,042	1,988	1,835	1,679	1,528	1,388
Below Normal (17%)	1,095	1,092	1,122	1,215	1,318	1,442	1,613	1,544	1,447	1,308	1,169	1,068
Dry (22%)	1,047	1,050	1,092	1,110	1,224	1,374	1,496	1,406	1,298	1,123	949	855
Critical (15%)	743	737	758	761	806	885	923	862	811	658	511	440

No Action Alternative (LLT) minus Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-91	-144	-37	0	0	0	-21	-21	-124	-169	-173	-128
20%	-273	-313	-211	-110	0	0	-34	-92	-252	-316	-345	-373
30%	-341	-381	-327	-168	-71	-30	-24	-130	-212	-216	-233	-308
40%	-179	-210	-254	-181	-135	-51	-54	-99	-146	-144	-174	-174
50%	-248	-217	-182	-146	-135	-78	-93	-105	-194	-251	-265	-289
60%	-241	-215	-196	-187	-201	-159	-222	-252	-287	-276	-255	-223
70%	-387	-320	-294	-262	-209	-127	-140	-211	-280	-340	-359	-359
80%	-214	-160	-205	-138	-108	-133	-133	-198	-165	-148	-155	-191
90%	-325	-354	-194	-59	-163	-66	-194	-253	-252	-178	-186	-194
Long Term												
Full Simulation Period[a]	-217	-219	-182	-135	-97	-78	-90	-137	-204	-218	-230	-230
Water Year Types[b]												
Wet (32%)	-221	-220	-144	-64	-18	-9	-25	-71	-150	-159	-182	-199
Above Normal (15%)	-157	-170	-152	-79	-6	26	17	-42	-163	-196	-214	-229
Below Normal (17%)	-172	-182	-173	-137	-109	-77	-76	-130	-179	-189	-196	-191
Dry (22%)	-272	-278	-255	-242	-206	-188	-200	-240	-291	-313	-319	-297
Critical (15%)	-235	-218	-199	-182	-179	-171	-191	-228	-257	-258	-255	-247

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-1-2. Trinity Lake, End of Month Storage

Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,850	1,850	1,850	1,900	2,000	2,100	2,299	2,329	2,366	2,270	2,150	1,975
20%	1,850	1,847	1,850	1,900	2,000	2,100	2,264	2,290	2,270	2,184	2,083	1,970
30%	1,744	1,796	1,846	1,848	1,965	2,098	2,215	2,206	2,143	2,006	1,872	1,770
40%	1,469	1,510	1,668	1,750	1,868	2,006	2,159	2,090	2,017	1,853	1,695	1,551
50%	1,353	1,364	1,440	1,584	1,718	1,834	1,981	1,912	1,840	1,694	1,532	1,408
60%	1,271	1,274	1,314	1,359	1,537	1,699	1,869	1,832	1,773	1,601	1,409	1,295
70%	1,196	1,188	1,234	1,297	1,387	1,500	1,650	1,637	1,611	1,495	1,360	1,247
80%	917	884	969	1,054	1,121	1,233	1,364	1,339	1,271	1,133	1,031	950
90%	641	689	675	674	814	890	1,041	1,028	1,009	820	697	651
Long Term												
Full Simulation Period[a]	1,326	1,336	1,385	1,447	1,557	1,679	1,827	1,822	1,787	1,650	1,513	1,393
Water Year Types[b]												
Wet (32%)	1,527	1,557	1,651	1,758	1,919	2,053	2,230	2,266	2,245	2,116	2,001	1,856
Above Normal (15%)	1,320	1,324	1,399	1,529	1,686	1,854	2,025	2,030	1,999	1,875	1,742	1,617
Below Normal (17%)	1,267	1,274	1,295	1,352	1,427	1,519	1,689	1,674	1,626	1,497	1,365	1,259
Dry (22%)	1,320	1,328	1,347	1,351	1,430	1,563	1,696	1,646	1,590	1,436	1,267	1,152
Critical (15%)	978	955	958	943	985	1,056	1,114	1,090	1,068	917	766	687

Alternative 1A,1B,1C (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,764	1,769	1,847	1,900	2,000	2,100	2,268	2,306	2,172	2,051	1,917	1,775
20%	1,580	1,595	1,661	1,820	1,994	2,100	2,228	2,183	2,018	1,866	1,736	1,616
30%	1,355	1,374	1,520	1,633	1,836	1,998	2,144	2,085	1,915	1,737	1,586	1,431
40%	1,202	1,241	1,358	1,563	1,688	1,894	2,043	1,957	1,802	1,603	1,433	1,309
50%	1,090	1,100	1,173	1,346	1,531	1,708	1,858	1,762	1,628	1,404	1,231	1,127
60%	904	923	1,089	1,146	1,353	1,509	1,569	1,534	1,436	1,253	1,081	972
70%	806	787	860	931	1,125	1,226	1,374	1,353	1,245	1,064	951	868
80%	629	685	691	808	938	1,068	1,230	1,103	1,072	892	767	663
90%	308	359	495	484	657	837	855	815	774	663	509	352
Long Term												
Full Simulation Period[a]	1,072	1,089	1,171	1,278	1,425	1,565	1,704	1,656	1,548	1,380	1,235	1,125
Water Year Types[b]												
Wet (32%)	1,282	1,317	1,476	1,662	1,875	2,019	2,185	2,177	2,068	1,910	1,769	1,633
Above Normal (15%)	1,134	1,152	1,249	1,444	1,659	1,858	2,025	1,971	1,819	1,649	1,491	1,362
Below Normal (17%)	1,025	1,031	1,065	1,164	1,264	1,383	1,551	1,483	1,382	1,229	1,090	1,000
Dry (22%)	978	993	1,035	1,045	1,158	1,309	1,430	1,347	1,230	1,035	882	798
Critical (15%)	753	741	763	760	807	883	928	878	820	660	520	420

Alternative 1A,1B,1C (LLT) minus Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-86	-81	-3	0	0	0	-31	-23	-194	-219	-233	-200
20%	-270	-252	-189	-80	-6	0	-36	-107	-252	-318	-347	-354
30%	-389	-422	-327	-215	-129	-100	-72	-121	-228	-269	-286	-339
40%	-268	-268	-310	-187	-180	-112	-116	-133	-215	-250	-262	-242
50%	-263	-264	-267	-238	-187	-126	-123	-150	-212	-290	-301	-281
60%	-367	-351	-225	-213	-184	-190	-300	-298	-337	-348	-328	-323
70%	-390	-400	-374	-366	-262	-275	-277	-284	-366	-431	-408	-378
80%	-288	-200	-278	-245	-183	-166	-134	-236	-199	-241	-264	-287
90%	-332	-330	-180	-189	-157	-53	-185	-213	-235	-157	-189	-298
Long Term												
Full Simulation Period[a]	-254	-248	-214	-169	-131	-115	-123	-166	-239	-270	-278	-269
Water Year Types[b]												
Wet (32%)	-244	-240	-175	-96	-44	-34	-45	-89	-176	-207	-232	-224
Above Normal (15%)	-186	-173	-151	-84	-27	4	0	-59	-180	-227	-251	-255
Below Normal (17%)	-242	-242	-230	-188	-163	-136	-138	-191	-244	-268	-275	-258
Dry (22%)	-342	-335	-312	-306	-272	-254	-266	-299	-360	-400	-385	-353
Critical (15%)	-225	-215	-195	-183	-177	-173	-186	-212	-248	-257	-245	-267

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-1-3. Trinity Lake, End of Month Storage

Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,850	1,850	1,850	1,900	2,000	2,100	2,299	2,329	2,366	2,270	2,150	1,975
20%	1,850	1,847	1,850	1,900	2,000	2,100	2,264	2,290	2,270	2,184	2,083	1,970
30%	1,744	1,796	1,846	1,848	1,965	2,098	2,215	2,206	2,143	2,006	1,872	1,770
40%	1,469	1,510	1,668	1,750	1,868	2,006	2,159	2,090	2,017	1,853	1,695	1,551
50%	1,353	1,364	1,440	1,584	1,718	1,834	1,981	1,912	1,840	1,694	1,532	1,408
60%	1,271	1,274	1,314	1,359	1,537	1,699	1,869	1,832	1,773	1,601	1,409	1,295
70%	1,196	1,188	1,234	1,297	1,387	1,500	1,650	1,637	1,611	1,495	1,360	1,247
80%	917	884	969	1,054	1,121	1,233	1,364	1,339	1,271	1,133	1,031	950
90%	641	689	675	674	814	890	1,041	1,028	1,009	820	697	651
Long Term												
Full Simulation Period[a]	1,326	1,336	1,385	1,447	1,557	1,679	1,827	1,822	1,787	1,650	1,513	1,393
Water Year Types[b]												
Wet (32%)	1,527	1,557	1,651	1,758	1,919	2,053	2,230	2,266	2,245	2,116	2,001	1,856
Above Normal (15%)	1,320	1,324	1,399	1,529	1,686	1,854	2,025	2,030	1,999	1,875	1,742	1,617
Below Normal (17%)	1,267	1,274	1,295	1,352	1,427	1,519	1,689	1,674	1,626	1,497	1,365	1,259
Dry (22%)	1,320	1,328	1,347	1,351	1,430	1,563	1,696	1,646	1,590	1,436	1,267	1,152
Critical (15%)	978	955	958	943	985	1,056	1,114	1,090	1,068	917	766	687

Alternative 2A,2B,2C (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,728	1,736	1,799	1,900	2,000	2,100	2,271	2,310	2,219	2,088	1,960	1,814
20%	1,560	1,543	1,647	1,789	1,991	2,100	2,234	2,195	2,069	1,919	1,764	1,616
30%	1,359	1,387	1,505	1,656	1,855	2,035	2,163	2,085	1,942	1,760	1,597	1,433
40%	1,216	1,255	1,416	1,568	1,719	1,927	2,110	2,002	1,850	1,640	1,448	1,315
50%	1,096	1,129	1,238	1,409	1,560	1,736	1,875	1,753	1,650	1,440	1,251	1,101
60%	958	960	1,105	1,170	1,350	1,511	1,640	1,571	1,474	1,262	1,098	995
70%	819	850	932	1,005	1,198	1,311	1,429	1,401	1,284	1,125	984	865
80%	700	685	714	896	937	1,074	1,175	1,119	1,071	952	816	723
90%	313	340	527	479	633	777	882	770	727	622	508	350
Long Term												
Full Simulation Period[a]	1,079	1,095	1,180	1,291	1,442	1,584	1,722	1,672	1,566	1,398	1,253	1,132
Water Year Types[b]												
Wet (32%)	1,283	1,327	1,493	1,682	1,893	2,038	2,203	2,195	2,087	1,930	1,790	1,631
Above Normal (15%)	1,123	1,132	1,231	1,439	1,670	1,871	2,036	1,981	1,829	1,651	1,498	1,359
Below Normal (17%)	1,064	1,061	1,093	1,199	1,303	1,431	1,602	1,534	1,436	1,278	1,134	1,035
Dry (22%)	998	1,007	1,049	1,065	1,179	1,329	1,452	1,360	1,252	1,062	908	812
Critical (15%)	731	725	747	745	795	874	913	856	796	634	504	416

Alternative 2A,2B,2C (LLT) minus Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-122	-114	-51	0	0	0	-28	-20	-148	-182	-190	-161
20%	-290	-305	-203	-111	-9	0	-30	-94	-201	-266	-319	-354
30%	-385	-408	-341	-192	-110	-63	-52	-121	-200	-246	-275	-337
40%	-254	-255	-251	-181	-150	-79	-49	-88	-167	-213	-247	-235
50%	-257	-235	-202	-175	-159	-98	-107	-158	-190	-254	-281	-307
60%	-313	-314	-209	-189	-187	-188	-229	-261	-299	-339	-310	-301
70%	-376	-337	-303	-292	-188	-190	-222	-236	-327	-370	-375	-382
80%	-217	-200	-256	-158	-183	-160	-189	-220	-200	-181	-215	-227
90%	-328	-349	-148	-195	-182	-113	-158	-258	-282	-198	-189	-301
Long Term												
Full Simulation Period[a]	-248	-242	-206	-155	-115	-95	-105	-151	-221	-253	-259	-261
Water Year Types[b]												
Wet (32%)	-244	-230	-158	-76	-26	-16	-27	-72	-157	-186	-212	-225
Above Normal (15%)	-197	-192	-168	-89	-16	16	11	-49	-169	-224	-244	-258
Below Normal (17%)	-203	-212	-202	-153	-124	-88	-87	-140	-190	-219	-231	-223
Dry (22%)	-321	-322	-298	-287	-251	-233	-244	-286	-338	-374	-359	-340
Critical (15%)	-247	-230	-210	-198	-190	-182	-201	-234	-272	-283	-262	-270

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-1-4. Trinity Lake, End of Month Storage

Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,850	1,850	1,850	1,900	2,000	2,100	2,299	2,329	2,366	2,270	2,150	1,975
20%	1,850	1,847	1,850	1,900	2,000	2,100	2,264	2,290	2,270	2,184	2,083	1,970
30%	1,744	1,796	1,846	1,848	1,965	2,098	2,215	2,206	2,143	2,006	1,872	1,770
40%	1,469	1,510	1,668	1,750	1,868	2,006	2,159	2,090	2,017	1,853	1,695	1,551
50%	1,353	1,364	1,440	1,584	1,718	1,834	1,981	1,912	1,840	1,694	1,532	1,408
60%	1,271	1,274	1,314	1,359	1,537	1,699	1,869	1,832	1,773	1,601	1,409	1,295
70%	1,196	1,188	1,234	1,297	1,387	1,500	1,650	1,637	1,611	1,495	1,360	1,247
80%	917	884	969	1,054	1,121	1,233	1,364	1,339	1,271	1,133	1,031	950
90%	641	689	675	674	814	890	1,041	1,028	1,009	820	697	651
Long Term												
Full Simulation Period[a]	1,326	1,336	1,385	1,447	1,557	1,679	1,827	1,822	1,787	1,650	1,513	1,393
Water Year Types[b]												
Wet (32%)	1,527	1,557	1,651	1,758	1,919	2,053	2,230	2,266	2,245	2,116	2,001	1,856
Above Normal (15%)	1,320	1,324	1,399	1,529	1,686	1,854	2,025	2,030	1,999	1,875	1,742	1,617
Below Normal (17%)	1,267	1,274	1,295	1,352	1,427	1,519	1,689	1,674	1,626	1,497	1,365	1,259
Dry (22%)	1,320	1,328	1,347	1,351	1,430	1,563	1,696	1,646	1,590	1,436	1,267	1,152
Critical (15%)	978	955	958	943	985	1,056	1,114	1,090	1,068	917	766	687

Alternative 3 (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,771	1,751	1,848	1,900	2,000	2,100	2,278	2,310	2,173	2,094	1,917	1,775
20%	1,591	1,598	1,678	1,818	1,992	2,100	2,228	2,194	2,052	1,899	1,764	1,616
30%	1,364	1,379	1,510	1,636	1,815	2,047	2,141	2,085	1,913	1,746	1,594	1,429
40%	1,216	1,260	1,357	1,554	1,707	1,867	2,053	1,955	1,782	1,581	1,411	1,296
50%	1,100	1,116	1,178	1,360	1,609	1,701	1,863	1,762	1,634	1,414	1,223	1,123
60%	959	928	1,092	1,140	1,373	1,496	1,594	1,539	1,460	1,254	1,088	1,002
70%	796	798	913	973	1,135	1,224	1,389	1,396	1,266	1,095	950	847
80%	614	700	760	816	929	1,060	1,211	1,089	1,067	891	774	657
90%	310	358	461	450	651	830	862	817	769	657	508	353
Long Term												
Full Simulation Period[a]	1,078	1,094	1,177	1,283	1,430	1,568	1,705	1,657	1,554	1,389	1,242	1,130
Water Year Types[b]												
Wet (32%)	1,297	1,337	1,496	1,680	1,888	2,029	2,189	2,181	2,075	1,919	1,781	1,641
Above Normal (15%)	1,137	1,152	1,247	1,442	1,657	1,856	2,023	1,969	1,817	1,647	1,490	1,363
Below Normal (17%)	1,024	1,027	1,062	1,163	1,269	1,388	1,556	1,489	1,391	1,235	1,091	1,001
Dry (22%)	987	1,001	1,042	1,054	1,168	1,318	1,436	1,348	1,240	1,052	896	811
Critical (15%)	746	728	750	747	794	869	916	867	821	666	525	422

Alternative 3 (LLT) minus Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-79	-99	-2	0	0	0	-21	-19	-193	-176	-233	-200
20%	-259	-250	-172	-82	-8	0	-36	-96	-219	-285	-319	-354
30%	-380	-416	-336	-212	-150	-51	-74	-121	-230	-260	-278	-340
40%	-253	-250	-311	-196	-161	-139	-106	-135	-235	-272	-284	-254
50%	-253	-248	-262	-224	-110	-133	-119	-150	-206	-280	-309	-285
60%	-312	-346	-221	-219	-164	-203	-276	-293	-313	-347	-320	-294
70%	-400	-389	-322	-323	-252	-277	-262	-241	-345	-400	-409	-400
80%	-303	-184	-209	-238	-192	-173	-153	-250	-203	-242	-257	-294
90%	-330	-331	-214	-223	-163	-59	-179	-211	-239	-163	-190	-298
Long Term												
Full Simulation Period[a]	-248	-242	-209	-164	-127	-111	-122	-166	-233	-261	-270	-263
Water Year Types[b]												
Wet (32%)	-230	-220	-155	-78	-31	-25	-41	-85	-170	-197	-221	-216
Above Normal (15%)	-183	-172	-153	-86	-29	2	-2	-61	-182	-229	-253	-254
Below Normal (17%)	-244	-246	-233	-189	-158	-131	-132	-185	-235	-262	-273	-258
Dry (22%)	-333	-328	-305	-298	-262	-245	-260	-298	-349	-384	-371	-340
Critical (15%)	-231	-227	-208	-196	-191	-186	-199	-223	-247	-251	-240	-265

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-1-5. Trinity Lake, End of Month Storage

Existing Condition

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,850	1,850	1,850	1,900	2,000	2,100	2,299	2,329	2,366	2,270	2,150	1,975
20%	1,850	1,847	1,850	1,900	2,000	2,100	2,264	2,290	2,270	2,184	2,083	1,970
30%	1,744	1,796	1,846	1,848	1,965	2,098	2,215	2,206	2,143	2,006	1,872	1,770
40%	1,469	1,510	1,668	1,750	1,868	2,006	2,159	2,090	2,017	1,853	1,695	1,551
50%	1,353	1,364	1,440	1,584	1,718	1,834	1,981	1,912	1,840	1,694	1,532	1,408
60%	1,271	1,274	1,314	1,359	1,537	1,699	1,869	1,832	1,773	1,601	1,409	1,295
70%	1,196	1,188	1,234	1,297	1,387	1,500	1,650	1,637	1,611	1,495	1,360	1,247
80%	917	884	969	1,054	1,121	1,233	1,364	1,339	1,271	1,133	1,031	950
90%	641	689	675	674	814	890	1,041	1,028	1,009	820	697	651
Long Term												
Full Simulation Period[a]	1,326	1,336	1,385	1,447	1,557	1,679	1,827	1,822	1,787	1,650	1,513	1,393
Water Year Types[b]												
Wet (32%)	1,527	1,557	1,651	1,758	1,919	2,053	2,230	2,266	2,245	2,116	2,001	1,856
Above Normal (15%)	1,320	1,324	1,399	1,529	1,686	1,854	2,025	2,030	1,999	1,875	1,742	1,617
Below Normal (17%)	1,267	1,274	1,295	1,352	1,427	1,519	1,689	1,674	1,626	1,497	1,365	1,259
Dry (22%)	1,320	1,328	1,347	1,351	1,430	1,563	1,696	1,646	1,590	1,436	1,267	1,152
Critical (15%)	978	955	958	943	985	1,056	1,114	1,090	1,068	917	766	687

Alternative 4 H1 (LLT)

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,779	1,782	1,850	1,900	2,000	2,100	2,278	2,313	2,214	2,101	1,972	1,813
20%	1,595	1,598	1,736	1,869	2,000	2,100	2,233	2,197	2,036	1,899	1,771	1,628
30%	1,386	1,425	1,564	1,690	1,913	2,067	2,186	2,089	1,959	1,773	1,599	1,443
40%	1,252	1,319	1,434	1,634	1,774	1,963	2,110	2,015	1,853	1,674	1,468	1,338
50%	1,146	1,166	1,273	1,445	1,608	1,770	1,914	1,827	1,651	1,453	1,280	1,166
60%	969	984	1,158	1,209	1,407	1,588	1,707	1,619	1,527	1,356	1,172	1,024
70%	865	894	976	1,045	1,228	1,349	1,501	1,469	1,347	1,160	1,054	971
80%	702	700	743	916	964	1,074	1,211	1,151	1,103	977	851	717
90%	370	439	525	599	646	811	882	773	751	647	603	411
Long Term												
Full Simulation Period[a]	1,117	1,138	1,222	1,330	1,474	1,612	1,749	1,698	1,596	1,430	1,283	1,165
Water Year Types[b]												
Wet (32%)	1,311	1,362	1,525	1,712	1,912	2,051	2,209	2,199	2,096	1,946	1,804	1,664
Above Normal (15%)	1,168	1,182	1,278	1,475	1,690	1,890	2,055	2,000	1,848	1,669	1,511	1,376
Below Normal (17%)	1,102	1,113	1,147	1,239	1,343	1,460	1,630	1,563	1,462	1,299	1,157	1,061
Dry (22%)	1,054	1,065	1,109	1,132	1,244	1,395	1,517	1,428	1,329	1,140	973	879
Critical (15%)	758	749	765	758	807	887	932	873	818	664	535	425

Alternative 4 H1 (LLT) minus Existing Condition

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-71	-68	0	0	0	0	-21	-17	-153	-169	-178	-162
20%	-255	-250	-114	-31	0	0	-32	-92	-234	-285	-312	-342
30%	-358	-371	-282	-159	-52	-31	-29	-117	-184	-233	-273	-327
40%	-217	-191	-233	-116	-94	-43	-49	-75	-164	-179	-227	-213
50%	-206	-197	-167	-139	-111	-64	-67	-85	-189	-241	-252	-242
60%	-302	-290	-156	-150	-130	-111	-163	-213	-246	-246	-236	-272
70%	-331	-294	-259	-252	-159	-152	-149	-169	-264	-335	-306	-276
80%	-215	-184	-226	-138	-157	-160	-153	-188	-168	-156	-180	-233
90%	-271	-250	-150	-75	-169	-78	-158	-255	-258	-173	-95	-239
Long Term												
Full Simulation Period[a]	-209	-198	-163	-117	-82	-67	-78	-124	-191	-220	-230	-228
Water Year Types[b]												
Wet (32%)	-215	-195	-126	-46	-7	-3	-22	-68	-149	-171	-197	-193
Above Normal (15%)	-152	-142	-121	-54	5	36	30	-30	-151	-206	-231	-241
Below Normal (17%)	-165	-160	-148	-113	-84	-59	-58	-111	-164	-198	-208	-198
Dry (22%)	-266	-263	-238	-220	-186	-167	-179	-217	-261	-296	-294	-272
Critical (15%)	-219	-206	-192	-185	-177	-169	-182	-217	-250	-253	-231	-262

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-1-6. Trinity Lake, End of Month Storage

Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,850	1,850	1,850	1,900	2,000	2,100	2,299	2,329	2,366	2,270	2,150	1,975
20%	1,850	1,847	1,850	1,900	2,000	2,100	2,264	2,290	2,270	2,184	2,083	1,970
30%	1,744	1,796	1,846	1,848	1,965	2,098	2,215	2,206	2,143	2,006	1,872	1,770
40%	1,469	1,510	1,668	1,750	1,868	2,006	2,159	2,090	2,017	1,853	1,695	1,551
50%	1,353	1,364	1,440	1,584	1,718	1,834	1,981	1,912	1,840	1,694	1,532	1,408
60%	1,271	1,274	1,314	1,359	1,537	1,699	1,869	1,832	1,773	1,601	1,409	1,295
70%	1,196	1,188	1,234	1,297	1,387	1,500	1,650	1,637	1,611	1,495	1,360	1,247
80%	917	884	969	1,054	1,121	1,233	1,364	1,339	1,271	1,133	1,031	950
90%	641	689	675	674	814	890	1,041	1,028	1,009	820	697	651
Long Term												
Full Simulation Period[a]	1,326	1,336	1,385	1,447	1,557	1,679	1,827	1,822	1,787	1,650	1,513	1,393
Water Year Types[b]												
Wet (32%)	1,527	1,557	1,651	1,758	1,919	2,053	2,230	2,266	2,245	2,116	2,001	1,856
Above Normal (15%)	1,320	1,324	1,399	1,529	1,686	1,854	2,025	2,030	1,999	1,875	1,742	1,617
Below Normal (17%)	1,267	1,274	1,295	1,352	1,427	1,519	1,689	1,674	1,626	1,497	1,365	1,259
Dry (22%)	1,320	1,328	1,347	1,351	1,430	1,563	1,696	1,646	1,590	1,436	1,267	1,152
Critical (15%)	978	955	958	943	985	1,056	1,114	1,090	1,068	917	766	687

Alternative 4 H2 (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,790	1,792	1,850	1,900	2,000	2,100	2,274	2,313	2,235	2,101	1,978	1,849
20%	1,602	1,633	1,722	1,893	2,000	2,100	2,234	2,197	2,081	1,929	1,779	1,636
30%	1,420	1,453	1,572	1,729	1,900	2,078	2,205	2,097	1,987	1,780	1,631	1,480
40%	1,254	1,308	1,443	1,640	1,791	1,980	2,127	2,025	1,868	1,690	1,501	1,378
50%	1,175	1,191	1,307	1,471	1,628	1,789	1,907	1,835	1,675	1,495	1,309	1,196
60%	989	1,017	1,174	1,212	1,409	1,557	1,688	1,603	1,517	1,350	1,171	1,043
70%	903	910	976	1,079	1,285	1,396	1,521	1,445	1,320	1,178	1,062	945
80%	705	722	790	916	1,034	1,150	1,284	1,178	1,155	1,032	907	787
90%	505	552	565	643	706	882	912	839	821	711	608	557
Long Term												
Full Simulation Period[a]	1,138	1,160	1,243	1,346	1,491	1,629	1,763	1,713	1,612	1,455	1,307	1,186
Water Year Types[b]												
Wet (32%)	1,335	1,386	1,544	1,722	1,922	2,058	2,217	2,208	2,106	1,958	1,818	1,676
Above Normal (15%)	1,165	1,186	1,288	1,485	1,700	1,900	2,060	2,005	1,853	1,694	1,536	1,405
Below Normal (17%)	1,118	1,125	1,158	1,249	1,352	1,473	1,643	1,576	1,478	1,325	1,192	1,090
Dry (22%)	1,077	1,087	1,130	1,153	1,267	1,418	1,529	1,440	1,341	1,169	992	881
Critical (15%)	802	793	812	797	847	926	971	916	863	708	578	479

Alternative 4 H2 (LLT) minus Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-60	-58	0	0	0	0	-25	-17	-131	-169	-172	-126
20%	-248	-214	-128	-7	0	0	-31	-92	-190	-255	-304	-334
30%	-324	-342	-274	-119	-65	-19	-10	-109	-156	-226	-241	-290
40%	-216	-202	-224	-110	-77	-25	-33	-65	-149	-163	-194	-173
50%	-178	-173	-133	-113	-91	-45	-74	-77	-165	-199	-223	-212
60%	-282	-257	-139	-147	-128	-143	-181	-229	-256	-251	-237	-252
70%	-292	-278	-258	-218	-101	-105	-129	-192	-291	-316	-298	-301
80%	-212	-162	-180	-138	-86	-83	-80	-161	-115	-102	-124	-163
90%	-135	-137	-110	-31	-109	-8	-129	-188	-188	-110	-90	-94
Long Term												
Full Simulation Period[a]	-188	-176	-143	-101	-66	-50	-64	-109	-175	-195	-206	-207
Water Year Types[b]												
Wet (32%)	-192	-171	-108	-36	3	5	-13	-58	-138	-158	-183	-180
Above Normal (15%)	-156	-138	-111	-44	15	46	35	-25	-146	-181	-206	-212
Below Normal (17%)	-149	-149	-137	-104	-75	-46	-46	-98	-148	-172	-173	-169
Dry (22%)	-243	-241	-217	-198	-163	-145	-167	-205	-248	-266	-275	-271
Critical (15%)	-176	-162	-146	-146	-138	-129	-143	-174	-205	-209	-188	-208

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-1-7. Trinity Lake, End of Month Storage

Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,850	1,850	1,850	1,900	2,000	2,100	2,299	2,329	2,366	2,270	2,150	1,975
20%	1,850	1,847	1,850	1,900	2,000	2,100	2,264	2,290	2,270	2,184	2,083	1,970
30%	1,744	1,796	1,846	1,848	1,965	2,098	2,215	2,206	2,143	2,006	1,872	1,770
40%	1,469	1,510	1,668	1,750	1,868	2,006	2,159	2,090	2,017	1,853	1,695	1,551
50%	1,353	1,364	1,440	1,584	1,718	1,834	1,981	1,912	1,840	1,694	1,532	1,408
60%	1,271	1,274	1,314	1,359	1,537	1,699	1,869	1,832	1,773	1,601	1,409	1,295
70%	1,196	1,188	1,234	1,297	1,387	1,500	1,650	1,637	1,611	1,495	1,360	1,247
80%	917	884	969	1,054	1,121	1,233	1,364	1,339	1,271	1,133	1,031	950
90%	641	689	675	674	814	890	1,041	1,028	1,009	820	697	651
Long Term												
Full Simulation Period[a]	1,326	1,336	1,385	1,447	1,557	1,679	1,827	1,822	1,787	1,650	1,513	1,393
Water Year Types[b]												
Wet (32%)	1,527	1,557	1,651	1,758	1,919	2,053	2,230	2,266	2,245	2,116	2,001	1,856
Above Normal (15%)	1,320	1,324	1,399	1,529	1,686	1,854	2,025	2,030	1,999	1,875	1,742	1,617
Below Normal (17%)	1,267	1,274	1,295	1,352	1,427	1,519	1,689	1,674	1,626	1,497	1,365	1,259
Dry (22%)	1,320	1,328	1,347	1,351	1,430	1,563	1,696	1,646	1,590	1,436	1,267	1,152
Critical (15%)	978	955	958	943	985	1,056	1,114	1,090	1,068	917	766	687

Alternative 4 H3 (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,743	1,741	1,835	1,900	2,000	2,100	2,271	2,313	2,221	2,100	1,971	1,837
20%	1,560	1,544	1,684	1,801	1,999	2,100	2,234	2,197	2,069	1,919	1,764	1,616
30%	1,364	1,399	1,517	1,663	1,839	2,025	2,167	2,086	1,966	1,772	1,599	1,432
40%	1,238	1,252	1,429	1,562	1,738	1,929	2,108	1,986	1,822	1,636	1,441	1,312
50%	1,103	1,123	1,228	1,430	1,560	1,758	1,896	1,766	1,646	1,443	1,271	1,124
60%	971	984	1,113	1,177	1,411	1,524	1,719	1,658	1,499	1,297	1,128	1,001
70%	822	852	929	1,015	1,207	1,300	1,403	1,393	1,270	1,095	956	859
80%	698	687	714	869	938	1,074	1,172	1,118	1,071	958	828	730
90%	312	340	550	485	652	824	882	782	759	625	508	356
Long Term												
Full Simulation Period[a]	1,089	1,105	1,189	1,301	1,450	1,591	1,730	1,679	1,574	1,407	1,261	1,139
Water Year Types[b]												
Wet (32%)	1,288	1,336	1,502	1,691	1,899	2,043	2,210	2,202	2,098	1,948	1,807	1,649
Above Normal (15%)	1,134	1,139	1,238	1,442	1,672	1,872	2,037	1,983	1,830	1,652	1,495	1,352
Below Normal (17%)	1,076	1,074	1,105	1,204	1,308	1,432	1,602	1,534	1,431	1,275	1,133	1,033
Dry (22%)	1,012	1,017	1,059	1,081	1,196	1,345	1,468	1,376	1,270	1,079	918	823
Critical (15%)	741	736	757	754	805	884	923	865	804	640	511	416

Alternative 4 H3 (LLT) minus Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-107	-109	-15	0	0	0	-28	-17	-146	-170	-179	-138
20%	-290	-303	-166	-99	-1	0	-30	-92	-201	-266	-319	-354
30%	-380	-396	-329	-186	-126	-73	-48	-120	-177	-234	-273	-337
40%	-232	-258	-239	-188	-130	-77	-51	-104	-194	-217	-254	-239
50%	-250	-240	-212	-155	-159	-76	-86	-146	-194	-250	-261	-284
60%	-300	-290	-200	-182	-127	-175	-150	-174	-274	-305	-281	-294
70%	-373	-336	-305	-282	-180	-201	-247	-244	-341	-400	-404	-388
80%	-219	-198	-256	-184	-182	-160	-192	-222	-199	-175	-203	-220
90%	-328	-349	-125	-188	-162	-65	-158	-245	-250	-195	-189	-295
Long Term												
Full Simulation Period[a]	-238	-232	-196	-146	-106	-88	-97	-143	-213	-243	-251	-255
Water Year Types[b]												
Wet (32%)	-239	-221	-149	-67	-20	-10	-20	-64	-147	-169	-194	-207
Above Normal (15%)	-186	-185	-161	-87	-13	18	12	-47	-168	-224	-248	-265
Below Normal (17%)	-191	-200	-190	-148	-119	-87	-86	-140	-195	-222	-232	-226
Dry (22%)	-308	-311	-288	-270	-235	-217	-228	-270	-320	-357	-350	-329
Critical (15%)	-236	-219	-200	-188	-180	-172	-191	-225	-264	-277	-254	-271

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-1-8. Trinity Lake, End of Month Storage

Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,850	1,850	1,850	1,900	2,000	2,100	2,299	2,329	2,366	2,270	2,150	1,975
20%	1,850	1,847	1,850	1,900	2,000	2,100	2,264	2,290	2,270	2,184	2,083	1,970
30%	1,744	1,796	1,846	1,848	1,965	2,098	2,215	2,206	2,143	2,006	1,872	1,770
40%	1,469	1,510	1,668	1,750	1,868	2,006	2,159	2,090	2,017	1,853	1,695	1,551
50%	1,353	1,364	1,440	1,584	1,718	1,834	1,981	1,912	1,840	1,694	1,532	1,408
60%	1,271	1,274	1,314	1,359	1,537	1,699	1,869	1,832	1,773	1,601	1,409	1,295
70%	1,196	1,188	1,234	1,297	1,387	1,500	1,650	1,637	1,611	1,495	1,360	1,247
80%	917	884	969	1,054	1,121	1,233	1,364	1,339	1,271	1,133	1,031	950
90%	641	689	675	674	814	890	1,041	1,028	1,009	820	697	651
Long Term												
Full Simulation Period[a]	1,326	1,336	1,385	1,447	1,557	1,679	1,827	1,822	1,787	1,650	1,513	1,393
Water Year Types[b]												
Wet (32%)	1,527	1,557	1,651	1,758	1,919	2,053	2,230	2,266	2,245	2,116	2,001	1,856
Above Normal (15%)	1,320	1,324	1,399	1,529	1,686	1,854	2,025	2,030	1,999	1,875	1,742	1,617
Below Normal (17%)	1,267	1,274	1,295	1,352	1,427	1,519	1,689	1,674	1,626	1,497	1,365	1,259
Dry (22%)	1,320	1,328	1,347	1,351	1,430	1,563	1,696	1,646	1,590	1,436	1,267	1,152
Critical (15%)	978	955	958	943	985	1,056	1,114	1,090	1,068	917	766	687

Alternative 4 H4 (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,746	1,724	1,830	1,900	2,000	2,100	2,278	2,313	2,236	2,101	1,978	1,801
20%	1,550	1,528	1,580	1,751	2,000	2,100	2,214	2,197	2,070	1,922	1,770	1,622
30%	1,360	1,421	1,513	1,677	1,824	2,015	2,181	2,092	1,962	1,784	1,623	1,431
40%	1,250	1,259	1,414	1,566	1,736	1,944	2,108	1,998	1,867	1,679	1,490	1,341
50%	1,127	1,147	1,243	1,418	1,580	1,758	1,899	1,761	1,651	1,468	1,301	1,150
60%	1,007	1,009	1,126	1,180	1,359	1,531	1,678	1,615	1,515	1,345	1,157	1,056
70%	848	903	1,016	1,061	1,232	1,363	1,501	1,447	1,298	1,196	1,017	905
80%	700	686	728	926	1,059	1,141	1,271	1,179	1,134	1,017	880	756
90%	499	551	554	549	652	818	882	819	771	650	607	505
Long Term												
Full Simulation Period[a]	1,102	1,114	1,200	1,313	1,465	1,607	1,746	1,696	1,596	1,442	1,289	1,160
Water Year Types[b]												
Wet (32%)	1,287	1,329	1,496	1,684	1,894	2,038	2,207	2,197	2,096	1,948	1,806	1,647
Above Normal (15%)	1,137	1,131	1,231	1,444	1,686	1,886	2,045	1,991	1,838	1,680	1,512	1,362
Below Normal (17%)	1,098	1,095	1,126	1,224	1,327	1,458	1,629	1,561	1,465	1,320	1,180	1,083
Dry (22%)	1,048	1,054	1,097	1,123	1,237	1,387	1,509	1,417	1,308	1,135	963	857
Critical (15%)	753	745	766	768	818	898	942	892	855	713	565	448

Alternative 4 H4 (LLT) minus Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-104	-126	-20	0	0	0	-21	-17	-131	-169	-172	-174
20%	-300	-320	-270	-149	0	0	-50	-92	-200	-262	-313	-348
30%	-384	-375	-333	-171	-141	-83	-35	-114	-181	-222	-249	-339
40%	-219	-251	-253	-183	-133	-62	-51	-92	-150	-175	-205	-209
50%	-226	-217	-197	-166	-139	-76	-83	-151	-189	-225	-231	-258
60%	-264	-265	-187	-179	-179	-168	-191	-217	-258	-256	-251	-239
70%	-348	-285	-219	-236	-155	-138	-149	-190	-313	-299	-343	-342
80%	-217	-198	-241	-128	-61	-92	-92	-160	-136	-117	-151	-195
90%	-142	-138	-121	-125	-163	-72	-158	-209	-237	-170	-90	-146
Long Term												
Full Simulation Period[a]	-224	-222	-186	-133	-91	-72	-81	-126	-191	-208	-223	-233
Water Year Types[b]												
Wet (32%)	-240	-228	-155	-74	-25	-15	-23	-69	-149	-168	-195	-209
Above Normal (15%)	-183	-193	-169	-85	0	31	20	-39	-160	-195	-230	-255
Below Normal (17%)	-169	-179	-169	-128	-100	-61	-60	-113	-161	-177	-185	-176
Dry (22%)	-272	-274	-251	-228	-193	-175	-187	-229	-282	-301	-305	-294
Critical (15%)	-225	-210	-192	-174	-166	-158	-172	-198	-212	-204	-200	-238

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-1-9. Trinity Lake, End of Month Storage

Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,850	1,850	1,850	1,900	2,000	2,100	2,299	2,329	2,366	2,270	2,150	1,975
20%	1,850	1,847	1,850	1,900	2,000	2,100	2,264	2,290	2,270	2,184	2,083	1,970
30%	1,744	1,796	1,846	1,848	1,965	2,098	2,215	2,206	2,143	2,006	1,872	1,770
40%	1,469	1,510	1,668	1,750	1,868	2,006	2,159	2,090	2,017	1,853	1,695	1,551
50%	1,353	1,364	1,440	1,584	1,718	1,834	1,981	1,912	1,840	1,694	1,532	1,408
60%	1,271	1,274	1,314	1,359	1,537	1,699	1,869	1,832	1,773	1,601	1,409	1,295
70%	1,196	1,188	1,234	1,297	1,387	1,500	1,650	1,637	1,611	1,495	1,360	1,247
80%	917	884	969	1,054	1,121	1,233	1,364	1,339	1,271	1,133	1,031	950
90%	641	689	675	674	814	890	1,041	1,028	1,009	820	697	651
Long Term												
Full Simulation Period[a]	1,326	1,336	1,385	1,447	1,557	1,679	1,827	1,822	1,787	1,650	1,513	1,393
Water Year Types[b]												
Wet (32%)	1,527	1,557	1,651	1,758	1,919	2,053	2,230	2,266	2,245	2,116	2,001	1,856
Above Normal (15%)	1,320	1,324	1,399	1,529	1,686	1,854	2,025	2,030	1,999	1,875	1,742	1,617
Below Normal (17%)	1,267	1,274	1,295	1,352	1,427	1,519	1,689	1,674	1,626	1,497	1,365	1,259
Dry (22%)	1,320	1,328	1,347	1,351	1,430	1,563	1,696	1,646	1,590	1,436	1,267	1,152
Critical (15%)	978	955	958	943	985	1,056	1,114	1,090	1,068	917	766	687

Alternative 5 (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,757	1,728	1,817	1,900	2,000	2,100	2,268	2,313	2,221	2,099	1,953	1,826
20%	1,561	1,565	1,692	1,794	1,999	2,100	2,229	2,197	2,067	1,919	1,764	1,616
30%	1,382	1,400	1,521	1,660	1,848	2,021	2,165	2,083	1,938	1,760	1,608	1,443
40%	1,221	1,280	1,398	1,555	1,710	1,873	2,095	1,999	1,846	1,645	1,469	1,302
50%	1,095	1,133	1,230	1,425	1,575	1,747	1,887	1,771	1,643	1,441	1,257	1,109
60%	970	992	1,090	1,200	1,373	1,523	1,640	1,568	1,481	1,265	1,115	1,031
70%	804	807	927	988	1,128	1,267	1,430	1,394	1,280	1,123	996	865
80%	702	722	765	907	1,018	1,134	1,228	1,168	1,120	992	833	748
90%	386	456	533	629	653	813	882	773	735	669	533	400
Long Term												
Full Simulation Period[a]	1,095	1,109	1,193	1,302	1,451	1,592	1,730	1,679	1,578	1,417	1,267	1,143
Water Year Types[b]												
Wet (32%)	1,298	1,344	1,511	1,697	1,900	2,043	2,209	2,200	2,097	1,951	1,810	1,646
Above Normal (15%)	1,127	1,121	1,220	1,427	1,662	1,862	2,028	1,974	1,822	1,650	1,494	1,358
Below Normal (17%)	1,052	1,054	1,086	1,190	1,294	1,420	1,591	1,523	1,427	1,270	1,128	1,024
Dry (22%)	1,044	1,049	1,088	1,098	1,211	1,361	1,482	1,390	1,290	1,100	926	837
Critical (15%)	750	743	760	762	811	891	931	870	819	676	540	438

Alternative 5 (LLT) minus Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-93	-122	-33	0	0	0	-31	-17	-145	-171	-197	-149
20%	-289	-282	-158	-106	-1	0	-36	-92	-203	-266	-319	-354
30%	-362	-395	-325	-188	-118	-77	-50	-122	-205	-246	-264	-327
40%	-248	-230	-270	-194	-158	-133	-64	-91	-171	-209	-226	-248
50%	-257	-230	-210	-159	-143	-87	-94	-140	-196	-252	-274	-299
60%	-301	-282	-223	-159	-165	-177	-229	-264	-292	-336	-294	-264
70%	-392	-380	-308	-308	-259	-233	-220	-243	-331	-372	-363	-381
80%	-215	-162	-205	-147	-103	-99	-136	-171	-151	-141	-198	-202
90%	-255	-233	-142	-45	-162	-76	-158	-255	-274	-151	-165	-251
Long Term												
Full Simulation Period[a]	-231	-227	-192	-144	-106	-87	-97	-143	-209	-233	-245	-250
Water Year Types[b]												
Wet (32%)	-229	-213	-140	-62	-19	-10	-22	-66	-147	-165	-192	-210
Above Normal (15%)	-193	-204	-180	-101	-23	8	3	-56	-177	-225	-248	-259
Below Normal (17%)	-215	-219	-209	-163	-132	-99	-98	-151	-199	-227	-237	-235
Dry (22%)	-275	-279	-259	-253	-219	-202	-214	-256	-299	-336	-341	-315
Critical (15%)	-228	-212	-198	-181	-173	-165	-184	-220	-249	-240	-226	-249

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-1-10. Trinity Lake, End of Month Storage

Existing Condition

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,850	1,850	1,850	1,900	2,000	2,100	2,299	2,329	2,366	2,270	2,150	1,975
20%	1,850	1,847	1,850	1,900	2,000	2,100	2,264	2,290	2,270	2,184	2,083	1,970
30%	1,744	1,796	1,846	1,848	1,965	2,098	2,215	2,206	2,143	2,006	1,872	1,770
40%	1,469	1,510	1,668	1,750	1,868	2,006	2,159	2,090	2,017	1,853	1,695	1,551
50%	1,353	1,364	1,440	1,584	1,718	1,834	1,981	1,912	1,840	1,694	1,532	1,408
60%	1,271	1,274	1,314	1,359	1,537	1,699	1,869	1,832	1,773	1,601	1,409	1,295
70%	1,196	1,188	1,234	1,297	1,387	1,500	1,650	1,637	1,611	1,495	1,360	1,247
80%	917	884	969	1,054	1,121	1,233	1,364	1,339	1,271	1,133	1,031	950
90%	641	689	675	674	814	890	1,041	1,028	1,009	820	697	651
Long Term												
Full Simulation Period[a]	1,326	1,336	1,385	1,447	1,557	1,679	1,827	1,822	1,787	1,650	1,513	1,393
Water Year Types[b]												
Wet (32%)	1,527	1,557	1,651	1,758	1,919	2,053	2,230	2,266	2,245	2,116	2,001	1,856
Above Normal (15%)	1,320	1,324	1,399	1,529	1,686	1,854	2,025	2,030	1,999	1,875	1,742	1,617
Below Normal (17%)	1,267	1,274	1,295	1,352	1,427	1,519	1,689	1,674	1,626	1,497	1,365	1,259
Dry (22%)	1,320	1,328	1,347	1,351	1,430	1,563	1,696	1,646	1,590	1,436	1,267	1,152
Critical (15%)	978	955	958	943	985	1,056	1,114	1,090	1,068	917	766	687

Alternative 6A,6B,6C (LLT)

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,744	1,745	1,830	1,900	2,000	2,100	2,300	2,311	2,236	2,107	1,975	1,791
20%	1,557	1,564	1,708	1,841	2,000	2,100	2,243	2,219	2,095	1,933	1,780	1,635
30%	1,446	1,468	1,571	1,739	1,961	2,099	2,204	2,097	1,976	1,791	1,641	1,497
40%	1,347	1,378	1,502	1,614	1,756	1,997	2,126	2,015	1,875	1,686	1,534	1,399
50%	1,162	1,205	1,375	1,484	1,612	1,781	1,915	1,825	1,670	1,510	1,340	1,218
60%	1,101	1,126	1,182	1,260	1,484	1,666	1,808	1,716	1,558	1,394	1,250	1,137
70%	932	944	1,032	1,111	1,277	1,393	1,517	1,482	1,399	1,236	1,060	970
80%	709	745	790	940	1,046	1,075	1,221	1,166	1,093	980	849	769
90%	290	337	478	512	614	768	882	819	768	603	505	329
Long Term												
Full Simulation Period[a]	1,137	1,154	1,238	1,346	1,490	1,629	1,763	1,714	1,611	1,456	1,305	1,184
Water Year Types[b]												
Wet (32%)	1,348	1,396	1,562	1,738	1,938	2,074	2,227	2,217	2,114	1,967	1,824	1,663
Above Normal (15%)	1,174	1,185	1,286	1,488	1,708	1,900	2,060	2,006	1,854	1,691	1,541	1,418
Below Normal (17%)	1,112	1,110	1,137	1,233	1,336	1,468	1,639	1,571	1,472	1,326	1,191	1,090
Dry (22%)	1,089	1,097	1,139	1,164	1,278	1,427	1,548	1,459	1,351	1,179	1,000	904
Critical (15%)	742	735	756	758	804	883	928	879	835	683	534	441

Alternative 6A,6B,6C (LLT) minus Existing Condition

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-106	-105	-20	0	0	0	1	-19	-130	-163	-175	-184
20%	-293	-283	-142	-59	0	0	-21	-70	-176	-251	-303	-335
30%	-297	-327	-275	-109	-5	1	-11	-109	-167	-215	-232	-272
40%	-123	-132	-166	-136	-113	-9	-34	-75	-141	-167	-161	-152
50%	-191	-159	-65	-101	-106	-53	-66	-87	-170	-184	-192	-190
60%	-170	-148	-131	-99	-53	-33	-61	-116	-215	-207	-159	-159
70%	-264	-243	-202	-186	-110	-108	-133	-155	-212	-259	-299	-276
80%	-208	-140	-180	-114	-75	-158	-142	-174	-178	-154	-182	-181
90%	-351	-352	-198	-161	-200	-122	-159	-209	-241	-218	-193	-322
Long Term												
Full Simulation Period[a]	-190	-183	-147	-101	-66	-51	-64	-109	-176	-194	-208	-210
Water Year Types[b]												
Wet (32%)	-179	-161	-89	-20	19	20	-3	-49	-131	-149	-177	-194
Above Normal (15%)	-146	-140	-114	-41	22	46	35	-24	-145	-184	-201	-199
Below Normal (17%)	-155	-164	-158	-119	-91	-52	-50	-103	-154	-171	-173	-169
Dry (22%)	-231	-231	-208	-187	-152	-135	-148	-187	-239	-257	-267	-247
Critical (15%)	-236	-220	-202	-184	-181	-173	-186	-211	-233	-234	-231	-246

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-1-11. Trinity Lake, End of Month Storage

Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,850	1,850	1,850	1,900	2,000	2,100	2,299	2,329	2,366	2,270	2,150	1,975
20%	1,850	1,847	1,850	1,900	2,000	2,100	2,264	2,290	2,270	2,184	2,083	1,970
30%	1,744	1,796	1,846	1,848	1,965	2,098	2,215	2,206	2,143	2,006	1,872	1,770
40%	1,469	1,510	1,668	1,750	1,868	2,006	2,159	2,090	2,017	1,853	1,695	1,551
50%	1,353	1,364	1,440	1,584	1,718	1,834	1,981	1,912	1,840	1,694	1,532	1,408
60%	1,271	1,274	1,314	1,359	1,537	1,699	1,869	1,832	1,773	1,601	1,409	1,295
70%	1,196	1,188	1,234	1,297	1,387	1,500	1,650	1,637	1,611	1,495	1,360	1,247
80%	917	884	969	1,054	1,121	1,233	1,364	1,339	1,271	1,133	1,031	950
90%	641	689	675	674	814	890	1,041	1,028	1,009	820	697	651
Long Term												
Full Simulation Period[a]	1,326	1,336	1,385	1,447	1,557	1,679	1,827	1,822	1,787	1,650	1,513	1,393
Water Year Types[b]												
Wet (32%)	1,527	1,557	1,651	1,758	1,919	2,053	2,230	2,266	2,245	2,116	2,001	1,856
Above Normal (15%)	1,320	1,324	1,399	1,529	1,686	1,854	2,025	2,030	1,999	1,875	1,742	1,617
Below Normal (17%)	1,267	1,274	1,295	1,352	1,427	1,519	1,689	1,674	1,626	1,497	1,365	1,259
Dry (22%)	1,320	1,328	1,347	1,351	1,430	1,563	1,696	1,646	1,590	1,436	1,267	1,152
Critical (15%)	978	955	958	943	985	1,056	1,114	1,090	1,068	917	766	687

Alternative 7 (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,755	1,749	1,840	1,900	2,000	2,100	2,298	2,313	2,236	2,108	1,981	1,819
20%	1,554	1,568	1,686	1,803	1,999	2,100	2,238	2,206	2,095	1,933	1,780	1,635
30%	1,367	1,426	1,541	1,697	1,901	2,086	2,193	2,089	1,962	1,780	1,629	1,465
40%	1,321	1,301	1,425	1,587	1,735	1,941	2,101	2,014	1,872	1,680	1,499	1,380
50%	1,107	1,150	1,261	1,372	1,612	1,747	1,873	1,775	1,657	1,481	1,309	1,165
60%	1,043	1,061	1,142	1,224	1,408	1,573	1,799	1,697	1,505	1,354	1,196	1,074
70%	826	872	960	1,083	1,221	1,353	1,487	1,439	1,337	1,215	1,034	935
80%	718	706	770	925	1,004	1,068	1,227	1,138	1,096	974	835	750
90%	267	314	378	444	631	778	877	798	695	615	507	324
Long Term												
Full Simulation Period[a]	1,109	1,123	1,205	1,318	1,464	1,604	1,740	1,689	1,588	1,430	1,281	1,160
Water Year Types[b]												
Wet (32%)	1,331	1,372	1,534	1,720	1,924	2,065	2,221	2,211	2,111	1,965	1,828	1,660
Above Normal (15%)	1,137	1,137	1,236	1,438	1,666	1,865	2,029	1,975	1,823	1,659	1,497	1,360
Below Normal (17%)	1,092	1,090	1,122	1,221	1,324	1,453	1,624	1,556	1,459	1,317	1,175	1,078
Dry (22%)	1,035	1,041	1,083	1,113	1,226	1,376	1,498	1,406	1,304	1,131	957	863
Critical (15%)	732	728	743	745	788	864	908	850	793	624	490	416

Alternative 7 (LLT) minus Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-95	-101	-10	0	0	0	-1	-17	-130	-162	-169	-156
20%	-296	-279	-164	-97	-1	0	-26	-83	-176	-251	-303	-335
30%	-377	-370	-305	-152	-64	-12	-22	-117	-180	-226	-243	-305
40%	-149	-209	-243	-163	-133	-65	-58	-76	-144	-173	-196	-170
50%	-246	-214	-179	-212	-106	-87	-109	-136	-182	-213	-223	-243
60%	-229	-213	-171	-136	-129	-127	-70	-135	-268	-247	-212	-222
70%	-369	-315	-274	-214	-165	-147	-164	-198	-274	-280	-325	-311
80%	-199	-179	-200	-129	-116	-166	-137	-201	-174	-160	-196	-200
90%	-374	-375	-297	-230	-183	-112	-163	-229	-314	-205	-190	-327
Long Term												
Full Simulation Period[a]	-217	-214	-180	-129	-92	-75	-87	-133	-199	-220	-232	-234
Water Year Types[b]												
Wet (32%)	-196	-185	-117	-38	5	11	-9	-55	-134	-151	-173	-196
Above Normal (15%)	-183	-187	-164	-91	-20	11	4	-55	-176	-216	-246	-257
Below Normal (17%)	-175	-184	-173	-132	-103	-67	-65	-118	-167	-180	-189	-181
Dry (22%)	-285	-287	-264	-238	-204	-186	-198	-240	-285	-304	-310	-289
Critical (15%)	-245	-227	-214	-197	-196	-192	-206	-240	-275	-292	-276	-271

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-1-12. Trinity Lake, End of Month Storage

Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,850	1,850	1,850	1,900	2,000	2,100	2,299	2,329	2,366	2,270	2,150	1,975
20%	1,850	1,847	1,850	1,900	2,000	2,100	2,264	2,290	2,270	2,184	2,083	1,970
30%	1,744	1,796	1,846	1,848	1,965	2,098	2,215	2,206	2,143	2,006	1,872	1,770
40%	1,469	1,510	1,668	1,750	1,868	2,006	2,159	2,090	2,017	1,853	1,695	1,551
50%	1,353	1,364	1,440	1,584	1,718	1,834	1,981	1,912	1,840	1,694	1,532	1,408
60%	1,271	1,274	1,314	1,359	1,537	1,699	1,869	1,832	1,773	1,601	1,409	1,295
70%	1,196	1,188	1,234	1,297	1,387	1,500	1,650	1,637	1,611	1,495	1,360	1,247
80%	917	884	969	1,054	1,121	1,233	1,364	1,339	1,271	1,133	1,031	950
90%	641	689	675	674	814	890	1,041	1,028	1,009	820	697	651
Long Term												
Full Simulation Period[a]	1,326	1,336	1,385	1,447	1,557	1,679	1,827	1,822	1,787	1,650	1,513	1,393
Water Year Types[b]												
Wet (32%)	1,527	1,557	1,651	1,758	1,919	2,053	2,230	2,266	2,245	2,116	2,001	1,856
Above Normal (15%)	1,320	1,324	1,399	1,529	1,686	1,854	2,025	2,030	1,999	1,875	1,742	1,617
Below Normal (17%)	1,267	1,274	1,295	1,352	1,427	1,519	1,689	1,674	1,626	1,497	1,365	1,259
Dry (22%)	1,320	1,328	1,347	1,351	1,430	1,563	1,696	1,646	1,590	1,436	1,267	1,152
Critical (15%)	978	955	958	943	985	1,056	1,114	1,090	1,068	917	766	687

Alternative 8 (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,660	1,685	1,819	1,900	2,000	2,100	2,300	2,321	2,197	2,025	1,808	1,691
20%	1,538	1,544	1,642	1,818	2,000	2,100	2,250	2,217	2,117	1,876	1,734	1,593
30%	1,373	1,440	1,523	1,675	1,890	2,061	2,201	2,095	1,903	1,716	1,566	1,431
40%	1,286	1,288	1,471	1,588	1,729	1,978	2,128	2,022	1,808	1,624	1,456	1,347
50%	1,183	1,212	1,334	1,502	1,646	1,797	1,900	1,830	1,693	1,532	1,364	1,249
60%	1,105	1,135	1,192	1,272	1,510	1,667	1,800	1,702	1,609	1,419	1,250	1,127
70%	1,002	996	1,112	1,194	1,319	1,467	1,593	1,540	1,447	1,283	1,136	1,054
80%	827	847	912	1,025	1,092	1,222	1,338	1,302	1,224	1,058	940	858
90%	473	534	546	662	700	899	1,014	890	855	742	614	496
Long Term												
Full Simulation Period[a]	1,139	1,157	1,244	1,362	1,508	1,648	1,793	1,743	1,625	1,452	1,295	1,183
Water Year Types[b]												
Wet (32%)	1,340	1,393	1,564	1,740	1,932	2,064	2,234	2,222	2,098	1,922	1,759	1,615
Above Normal (15%)	1,158	1,159	1,264	1,474	1,707	1,908	2,081	2,026	1,835	1,662	1,500	1,381
Below Normal (17%)	1,108	1,111	1,141	1,246	1,356	1,490	1,664	1,594	1,470	1,306	1,165	1,068
Dry (22%)	1,105	1,116	1,158	1,196	1,307	1,461	1,582	1,500	1,406	1,239	1,076	977
Critical (15%)	775	758	781	817	867	952	1,017	960	897	714	568	490

Alternative 8 (LLT) minus Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-190	-165	-31	0	0	0	1	-8	-169	-245	-342	-284
20%	-312	-303	-208	-82	0	0	-14	-72	-153	-308	-349	-377
30%	-371	-355	-324	-174	-76	-36	-14	-111	-240	-290	-306	-339
40%	-183	-222	-196	-161	-139	-27	-31	-68	-208	-229	-239	-203
50%	-170	-152	-107	-82	-72	-37	-82	-81	-146	-162	-168	-159
60%	-166	-139	-122	-87	-27	-32	-69	-131	-164	-183	-158	-168
70%	-193	-192	-122	-103	-68	-34	-57	-97	-164	-212	-223	-192
80%	-90	-38	-57	-28	-28	-11	-26	-37	-47	-75	-91	-92
90%	-167	-155	-130	-12	-114	9	-26	-138	-154	-79	-84	-155
Long Term												
Full Simulation Period[a]	-187	-179	-141	-85	-49	-31	-34	-79	-162	-198	-217	-211
Water Year Types[b]												
Wet (32%)	-187	-164	-88	-19	13	10	4	-44	-147	-195	-243	-241
Above Normal (15%)	-163	-165	-135	-54	21	54	56	-4	-164	-213	-242	-236
Below Normal (17%)	-159	-162	-154	-106	-71	-29	-25	-80	-156	-190	-200	-190
Dry (22%)	-215	-212	-189	-156	-123	-102	-114	-146	-183	-197	-191	-175
Critical (15%)	-203	-197	-176	-126	-117	-104	-97	-130	-171	-203	-198	-197

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-1-13. Trinity Lake, End of Month Storage

Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,850	1,850	1,850	1,900	2,000	2,100	2,299	2,329	2,366	2,270	2,150	1,975
20%	1,850	1,847	1,850	1,900	2,000	2,100	2,264	2,290	2,270	2,184	2,083	1,970
30%	1,744	1,796	1,846	1,848	1,965	2,098	2,215	2,206	2,143	2,006	1,872	1,770
40%	1,469	1,510	1,668	1,750	1,868	2,006	2,159	2,090	2,017	1,853	1,695	1,551
50%	1,353	1,364	1,440	1,584	1,718	1,834	1,981	1,912	1,840	1,694	1,532	1,408
60%	1,271	1,274	1,314	1,359	1,537	1,699	1,869	1,832	1,773	1,601	1,409	1,295
70%	1,196	1,188	1,234	1,297	1,387	1,500	1,650	1,637	1,611	1,495	1,360	1,247
80%	917	884	969	1,054	1,121	1,233	1,364	1,339	1,271	1,133	1,031	950
90%	641	689	675	674	814	890	1,041	1,028	1,009	820	697	651
Long Term												
Full Simulation Period[a]	1,326	1,336	1,385	1,447	1,557	1,679	1,827	1,822	1,787	1,650	1,513	1,393
Water Year Types[b]												
Wet (32%)	1,527	1,557	1,651	1,758	1,919	2,053	2,230	2,266	2,245	2,116	2,001	1,856
Above Normal (15%)	1,320	1,324	1,399	1,529	1,686	1,854	2,025	2,030	1,999	1,875	1,742	1,617
Below Normal (17%)	1,267	1,274	1,295	1,352	1,427	1,519	1,689	1,674	1,626	1,497	1,365	1,259
Dry (22%)	1,320	1,328	1,347	1,351	1,430	1,563	1,696	1,646	1,590	1,436	1,267	1,152
Critical (15%)	978	955	958	943	985	1,056	1,114	1,090	1,068	917	766	687

Alternative 9 (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,771	1,719	1,817	1,900	2,000	2,100	2,278	2,310	2,222	2,107	1,980	1,837
20%	1,575	1,535	1,683	1,776	1,999	2,100	2,243	2,201	2,094	1,931	1,786	1,640
30%	1,420	1,424	1,515	1,681	1,859	2,042	2,189	2,097	1,954	1,780	1,621	1,481
40%	1,247	1,264	1,424	1,567	1,751	1,920	2,108	2,018	1,887	1,702	1,518	1,345
50%	1,127	1,171	1,202	1,445	1,589	1,815	1,893	1,786	1,654	1,459	1,283	1,160
60%	1,039	1,045	1,157	1,193	1,388	1,589	1,765	1,672	1,516	1,326	1,146	1,055
70%	812	876	1,016	1,098	1,229	1,364	1,475	1,409	1,288	1,115	957	842
80%	670	687	756	916	1,026	1,121	1,262	1,202	1,140	1,016	836	710
90%	368	438	509	549	653	817	882	776	750	635	534	498
Long Term												
Full Simulation Period[a]	1,114	1,122	1,203	1,317	1,467	1,609	1,748	1,696	1,591	1,433	1,283	1,165
Water Year Types[b]												
Wet (32%)	1,308	1,345	1,507	1,695	1,903	2,049	2,219	2,210	2,107	1,965	1,831	1,671
Above Normal (15%)	1,153	1,137	1,237	1,450	1,681	1,879	2,042	1,987	1,842	1,683	1,531	1,394
Below Normal (17%)	1,104	1,101	1,132	1,231	1,335	1,464	1,635	1,567	1,467	1,319	1,174	1,067
Dry (22%)	1,059	1,057	1,094	1,117	1,231	1,381	1,502	1,409	1,297	1,111	919	822
Critical (15%)	751	742	758	767	817	896	937	874	808	646	524	468

Alternative 9 (LLT) minus Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-79	-131	-33	0	0	0	-21	-19	-144	-163	-170	-138
20%	-275	-312	-167	-124	-1	0	-21	-88	-176	-253	-297	-329
30%	-324	-371	-331	-168	-106	-55	-26	-109	-189	-226	-251	-289
40%	-223	-246	-244	-182	-117	-85	-51	-72	-130	-151	-177	-205
50%	-226	-193	-239	-139	-130	-19	-88	-126	-185	-235	-249	-248
60%	-232	-230	-156	-166	-150	-111	-105	-160	-257	-275	-262	-240
70%	-383	-312	-218	-199	-158	-136	-176	-228	-323	-380	-402	-405
80%	-246	-198	-214	-138	-95	-112	-102	-137	-131	-118	-195	-240
90%	-273	-251	-166	-125	-162	-73	-158	-251	-259	-185	-163	-153
Long Term												
Full Simulation Period[a]	-212	-215	-182	-130	-89	-70	-79	-126	-196	-217	-229	-228
Water Year Types[b]												
Wet (32%)	-219	-212	-144	-64	-16	-4	-12	-57	-138	-152	-170	-185
Above Normal (15%)	-167	-187	-163	-79	-4	24	17	-43	-157	-192	-211	-223
Below Normal (17%)	-163	-173	-163	-122	-92	-55	-54	-107	-159	-177	-191	-191
Dry (22%)	-261	-271	-253	-235	-199	-181	-194	-237	-293	-325	-348	-329
Critical (15%)	-227	-213	-199	-175	-167	-160	-178	-216	-260	-271	-241	-219

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-1-14. Trinity Lake, End of Month Storage

No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,759	1,706	1,813	1,900	2,000	2,100	2,278	2,309	2,243	2,101	1,977	1,847
20%	1,577	1,534	1,639	1,790	2,000	2,100	2,231	2,197	2,018	1,868	1,738	1,597
30%	1,403	1,414	1,519	1,680	1,894	2,068	2,192	2,076	1,931	1,790	1,639	1,462
40%	1,291	1,300	1,414	1,569	1,734	1,955	2,105	1,991	1,871	1,709	1,521	1,376
50%	1,104	1,147	1,258	1,438	1,584	1,756	1,889	1,806	1,645	1,443	1,267	1,119
60%	1,030	1,059	1,117	1,172	1,336	1,540	1,647	1,580	1,486	1,325	1,154	1,072
70%	809	867	941	1,035	1,178	1,374	1,511	1,426	1,331	1,155	1,001	887
80%	703	724	764	916	1,012	1,100	1,231	1,141	1,106	985	876	759
90%	316	335	482	615	651	824	847	774	757	642	511	457
Long Term												
Full Simulation Period[a]	1,110	1,118	1,203	1,312	1,460	1,601	1,737	1,685	1,583	1,433	1,283	1,163
Water Year Types[b]												
Wet (32%)	1,305	1,337	1,508	1,694	1,901	2,045	2,206	2,196	2,094	1,958	1,820	1,657
Above Normal (15%)	1,163	1,154	1,247	1,450	1,679	1,881	2,042	1,988	1,835	1,679	1,528	1,388
Below Normal (17%)	1,095	1,092	1,122	1,215	1,318	1,442	1,613	1,544	1,447	1,308	1,169	1,068
Dry (22%)	1,047	1,050	1,092	1,110	1,224	1,374	1,496	1,406	1,298	1,123	949	855
Critical (15%)	743	737	758	761	806	885	923	862	811	658	511	440

Alternative 1A,1B,1C (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,764	1,769	1,847	1,900	2,000	2,100	2,268	2,306	2,172	2,051	1,917	1,775
20%	1,580	1,595	1,661	1,820	1,994	2,100	2,228	2,183	2,018	1,866	1,736	1,616
30%	1,355	1,374	1,520	1,633	1,836	1,998	2,144	2,085	1,915	1,737	1,586	1,431
40%	1,202	1,241	1,358	1,563	1,688	1,894	2,043	1,957	1,802	1,603	1,433	1,309
50%	1,090	1,100	1,173	1,346	1,531	1,708	1,858	1,762	1,628	1,404	1,231	1,127
60%	904	923	1,089	1,146	1,353	1,509	1,569	1,534	1,436	1,253	1,081	972
70%	806	787	860	931	1,125	1,226	1,374	1,353	1,245	1,064	951	868
80%	629	685	691	808	938	1,068	1,230	1,103	1,072	892	767	663
90%	308	359	495	484	657	837	855	815	774	663	509	352
Long Term												
Full Simulation Period[a]	1,072	1,089	1,171	1,278	1,425	1,565	1,704	1,656	1,548	1,380	1,235	1,125
Water Year Types[b]												
Wet (32%)	1,282	1,317	1,476	1,662	1,875	2,019	2,185	2,177	2,068	1,910	1,769	1,633
Above Normal (15%)	1,134	1,152	1,249	1,444	1,659	1,858	2,025	1,971	1,819	1,649	1,491	1,362
Below Normal (17%)	1,025	1,031	1,065	1,164	1,264	1,383	1,551	1,483	1,382	1,229	1,090	1,000
Dry (22%)	978	993	1,035	1,045	1,158	1,309	1,430	1,347	1,230	1,035	882	798
Critical (15%)	753	741	763	760	807	883	928	878	820	660	520	420

Alternative 1A,1B,1C (LLT) minus No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	5	63	34	0	0	0	-10	-3	-71	-51	-59	-72
20%	4	61	22	30	-6	0	-3	-14	0	-2	-2	19
30%	-48	-40	0	-47	-58	-71	-48	8	-17	-53	-53	-31
40%	-89	-58	-56	-6	-46	-61	-62	-34	-69	-106	-87	-68
50%	-14	-47	-85	-92	-53	-48	-30	-45	-17	-39	-36	8
60%	-126	-136	-28	-26	17	-31	-77	-46	-50	-71	-73	-100
70%	-3	-80	-80	-104	-52	-148	-137	-73	-86	-91	-49	-19
80%	-74	-40	-73	-107	-74	-33	-1	-38	-34	-93	-109	-96
90%	-8	24	14	-130	6	13	8	40	17	21	-2	-104
Long Term												
Full Simulation Period[a]	-37	-29	-31	-34	-35	-36	-33	-29	-35	-52	-48	-38
Water Year Types[b]												
Wet (32%)	-23	-20	-31	-32	-26	-25	-21	-19	-26	-48	-50	-25
Above Normal (15%)	-28	-2	2	-5	-20	-22	-17	-17	-17	-31	-37	-26
Below Normal (17%)	-70	-60	-57	-51	-54	-59	-62	-61	-65	-78	-79	-68
Dry (22%)	-70	-57	-57	-65	-65	-66	-65	-59	-69	-88	-67	-56
Critical (15%)	10	3	4	-1	2	-2	5	16	9	2	9	-19

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-1-15. Trinity Lake, End of Month Storage

No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,759	1,706	1,813	1,900	2,000	2,100	2,278	2,309	2,243	2,101	1,977	1,847
20%	1,577	1,534	1,639	1,790	2,000	2,100	2,231	2,197	2,018	1,868	1,738	1,597
30%	1,403	1,414	1,519	1,680	1,894	2,068	2,192	2,076	1,931	1,790	1,639	1,462
40%	1,291	1,300	1,414	1,569	1,734	1,955	2,105	1,991	1,871	1,709	1,521	1,376
50%	1,104	1,147	1,258	1,438	1,584	1,756	1,889	1,806	1,645	1,443	1,267	1,119
60%	1,030	1,059	1,117	1,172	1,336	1,540	1,647	1,580	1,486	1,325	1,154	1,072
70%	809	867	941	1,035	1,178	1,374	1,511	1,426	1,331	1,155	1,001	887
80%	703	724	764	916	1,012	1,100	1,231	1,141	1,106	985	876	759
90%	316	335	482	615	651	824	847	774	757	642	511	457
Long Term												
Full Simulation Period[a]	1,110	1,118	1,203	1,312	1,460	1,601	1,737	1,685	1,583	1,433	1,283	1,163
Water Year Types[b]												
Wet (32%)	1,305	1,337	1,508	1,694	1,901	2,045	2,206	2,196	2,094	1,958	1,820	1,657
Above Normal (15%)	1,163	1,154	1,247	1,450	1,679	1,881	2,042	1,988	1,835	1,679	1,528	1,388
Below Normal (17%)	1,095	1,092	1,122	1,215	1,318	1,442	1,613	1,544	1,447	1,308	1,169	1,068
Dry (22%)	1,047	1,050	1,092	1,110	1,224	1,374	1,496	1,406	1,298	1,123	949	855
Critical (15%)	743	737	758	761	806	885	923	862	811	658	511	440

Alternative 2A,2B,2C (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,728	1,736	1,799	1,900	2,000	2,100	2,271	2,310	2,219	2,088	1,960	1,814
20%	1,560	1,543	1,647	1,789	1,991	2,100	2,234	2,195	2,069	1,919	1,764	1,616
30%	1,359	1,387	1,505	1,656	1,855	2,035	2,163	2,085	1,942	1,760	1,597	1,433
40%	1,216	1,255	1,416	1,568	1,719	1,927	2,110	2,002	1,850	1,640	1,448	1,315
50%	1,096	1,129	1,238	1,409	1,560	1,736	1,875	1,753	1,650	1,440	1,251	1,101
60%	958	960	1,105	1,170	1,350	1,511	1,640	1,571	1,474	1,262	1,098	995
70%	819	850	932	1,005	1,198	1,311	1,429	1,401	1,284	1,125	984	865
80%	700	685	714	896	937	1,074	1,175	1,119	1,071	952	816	723
90%	313	340	527	479	633	777	882	770	727	622	508	350
Long Term												
Full Simulation Period[a]	1,079	1,095	1,180	1,291	1,442	1,584	1,722	1,672	1,566	1,398	1,253	1,132
Water Year Types[b]												
Wet (32%)	1,283	1,327	1,493	1,682	1,893	2,038	2,203	2,195	2,087	1,930	1,790	1,631
Above Normal (15%)	1,123	1,132	1,231	1,439	1,670	1,871	2,036	1,981	1,829	1,651	1,498	1,359
Below Normal (17%)	1,064	1,061	1,093	1,199	1,303	1,431	1,602	1,534	1,436	1,278	1,134	1,035
Dry (22%)	998	1,007	1,049	1,065	1,179	1,329	1,452	1,360	1,252	1,062	908	812
Critical (15%)	731	725	747	745	795	874	913	856	796	634	504	416

Alternative 2A,2B,2C (LLT) minus No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-31	30	-14	0	0	0	-7	1	-24	-13	-16	-33
20%	-16	9	7	-1	-9	0	3	-2	51	50	25	19
30%	-44	-27	-14	-25	-38	-33	-28	8	11	-31	-43	-29
40%	-75	-45	3	0	-15	-28	5	11	-21	-69	-73	-61
50%	-8	-18	-20	-29	-24	-20	-14	-53	5	-3	-16	-18
60%	-71	-99	-13	-3	14	-29	-6	-9	-12	-63	-56	-78
70%	11	-17	-9	-30	21	-63	-82	-26	-47	-30	-16	-22
80%	-3	-39	-51	-20	-75	-27	-56	-23	-35	-33	-60	-36
90%	-3	4	45	-136	-18	-46	35	-5	-30	-20	-3	-107
Long Term												
Full Simulation Period[a]	-31	-23	-23	-20	-18	-17	-15	-14	-17	-35	-30	-31
Water Year Types[b]												
Wet (32%)	-23	-10	-15	-12	-7	-7	-3	-1	-7	-27	-30	-26
Above Normal (15%)	-39	-22	-16	-10	-9	-10	-6	-6	-6	-28	-30	-30
Below Normal (17%)	-31	-30	-29	-16	-15	-11	-11	-11	-11	-30	-35	-33
Dry (22%)	-49	-43	-43	-45	-45	-45	-44	-46	-47	-61	-41	-43
Critical (15%)	-12	-12	-11	-16	-11	-11	-10	-6	-15	-25	-7	-23

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-1-16. Trinity Lake, End of Month Storage

No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,759	1,706	1,813	1,900	2,000	2,100	2,278	2,309	2,243	2,101	1,977	1,847
20%	1,577	1,534	1,639	1,790	2,000	2,100	2,231	2,197	2,018	1,868	1,738	1,597
30%	1,403	1,414	1,519	1,680	1,894	2,068	2,192	2,076	1,931	1,790	1,639	1,462
40%	1,291	1,300	1,414	1,569	1,734	1,955	2,105	1,991	1,871	1,709	1,521	1,376
50%	1,104	1,147	1,258	1,438	1,584	1,756	1,889	1,806	1,645	1,443	1,267	1,119
60%	1,030	1,059	1,117	1,172	1,336	1,540	1,647	1,580	1,486	1,325	1,154	1,072
70%	809	867	941	1,035	1,178	1,374	1,511	1,426	1,331	1,155	1,001	887
80%	703	724	764	916	1,012	1,100	1,231	1,141	1,106	985	876	759
90%	316	335	482	615	651	824	847	774	757	642	511	457
Long Term												
Full Simulation Period[a]	1,110	1,118	1,203	1,312	1,460	1,601	1,737	1,685	1,583	1,433	1,283	1,163
Water Year Types[b]												
Wet (32%)	1,305	1,337	1,508	1,694	1,901	2,045	2,206	2,196	2,094	1,958	1,820	1,657
Above Normal (15%)	1,163	1,154	1,247	1,450	1,679	1,881	2,042	1,988	1,835	1,679	1,528	1,388
Below Normal (17%)	1,095	1,092	1,122	1,215	1,318	1,442	1,613	1,544	1,447	1,308	1,169	1,068
Dry (22%)	1,047	1,050	1,092	1,110	1,224	1,374	1,496	1,406	1,298	1,123	949	855
Critical (15%)	743	737	758	761	806	885	923	862	811	658	511	440

Alternative 3 (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,771	1,751	1,848	1,900	2,000	2,100	2,278	2,310	2,173	2,094	1,917	1,775
20%	1,591	1,598	1,678	1,818	1,992	2,100	2,228	2,194	2,052	1,899	1,764	1,616
30%	1,364	1,379	1,510	1,636	1,815	2,047	2,141	2,085	1,913	1,746	1,594	1,429
40%	1,216	1,260	1,357	1,554	1,707	1,867	2,053	1,955	1,782	1,581	1,411	1,296
50%	1,100	1,116	1,178	1,360	1,609	1,701	1,863	1,762	1,634	1,414	1,223	1,123
60%	959	928	1,092	1,140	1,373	1,496	1,594	1,539	1,460	1,254	1,088	1,002
70%	796	798	913	973	1,135	1,224	1,389	1,396	1,266	1,095	950	847
80%	614	700	760	816	929	1,060	1,211	1,089	1,067	891	774	657
90%	310	358	461	450	651	830	862	817	769	657	508	353
Long Term												
Full Simulation Period[a]	1,078	1,094	1,177	1,283	1,430	1,568	1,705	1,657	1,554	1,389	1,242	1,130
Water Year Types[b]												
Wet (32%)	1,297	1,337	1,496	1,680	1,888	2,029	2,189	2,181	2,075	1,919	1,781	1,641
Above Normal (15%)	1,137	1,152	1,247	1,442	1,657	1,856	2,023	1,969	1,817	1,647	1,490	1,363
Below Normal (17%)	1,024	1,027	1,062	1,163	1,269	1,388	1,556	1,489	1,391	1,235	1,091	1,001
Dry (22%)	987	1,001	1,042	1,054	1,168	1,318	1,436	1,348	1,240	1,052	896	811
Critical (15%)	746	728	750	747	794	869	916	867	821	666	525	422

Alternative 3 (LLT) minus No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	13	45	35	0	0	0	0	2	-70	-8	-59	-72
20%	14	64	38	28	-8	0	-3	-3	33	31	25	19
30%	-39	-35	-10	-44	-78	-22	-50	8	-18	-44	-45	-33
40%	-75	-39	-57	-15	-27	-88	-52	-36	-89	-128	-110	-80
50%	-4	-31	-80	-78	25	-55	-26	-45	-11	-29	-45	4
60%	-71	-132	-25	-32	37	-44	-53	-41	-26	-70	-66	-70
70%	-13	-69	-28	-62	-43	-150	-122	-31	-65	-60	-50	-41
80%	-89	-24	-4	-100	-83	-40	-20	-53	-38	-94	-102	-103
90%	-6	23	-21	-164	0	7	15	43	13	15	-3	-104
Long Term												
Full Simulation Period[a]	-32	-24	-26	-29	-30	-33	-32	-29	-30	-44	-41	-33
Water Year Types[b]												
Wet (32%)	-9	0	-12	-14	-13	-16	-16	-14	-20	-38	-39	-17
Above Normal (15%)	-26	-2	0	-8	-23	-24	-19	-19	-19	-33	-39	-25
Below Normal (17%)	-72	-64	-60	-52	-49	-54	-56	-56	-56	-73	-78	-67
Dry (22%)	-61	-49	-50	-56	-56	-56	-60	-58	-58	-71	-52	-43
Critical (15%)	3	-9	-8	-14	-12	-16	-7	5	10	7	14	-17

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-1-17. Trinity Lake, End of Month Storage

No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1,759	1,706	1,813	1,900	2,000	2,100	2,278	2,309	2,243	2,101	1,977	1,847
20%	1,577	1,534	1,639	1,790	2,000	2,100	2,231	2,197	2,018	1,868	1,738	1,597
30%	1,403	1,414	1,519	1,680	1,894	2,068	2,192	2,076	1,931	1,790	1,639	1,462
40%	1,291	1,300	1,414	1,569	1,734	1,955	2,105	1,991	1,871	1,709	1,521	1,376
50%	1,104	1,147	1,258	1,438	1,584	1,756	1,889	1,806	1,645	1,443	1,267	1,119
60%	1,030	1,059	1,117	1,172	1,336	1,540	1,647	1,580	1,486	1,325	1,154	1,072
70%	809	867	941	1,035	1,178	1,374	1,511	1,426	1,331	1,155	1,001	887
80%	703	724	764	916	1,012	1,100	1,231	1,141	1,106	985	876	759
90%	316	335	482	615	651	824	847	774	757	642	511	457
Long Term												
Full Simulation Period[a]	1,110	1,118	1,203	1,312	1,460	1,601	1,737	1,685	1,583	1,433	1,283	1,163
Water Year Types[b]												
Wet (32%)	1,305	1,337	1,508	1,694	1,901	2,045	2,206	2,196	2,094	1,958	1,820	1,657
Above Normal (15%)	1,163	1,154	1,247	1,450	1,679	1,881	2,042	1,988	1,835	1,679	1,528	1,388
Below Normal (17%)	1,095	1,092	1,122	1,215	1,318	1,442	1,613	1,544	1,447	1,308	1,169	1,068
Dry (22%)	1,047	1,050	1,092	1,110	1,224	1,374	1,496	1,406	1,298	1,123	949	855
Critical (15%)	743	737	758	761	806	885	923	862	811	658	511	440

Alternative 4 H1 (LLT)

	End of Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1,779	1,782	1,850	1,900	2,000	2,100	2,278	2,313	2,214	2,101	1,972	1,813
20%	1,595	1,598	1,736	1,869	2,000	2,100	2,233	2,197	2,036	1,899	1,771	1,628
30%	1,386	1,425	1,564	1,690	1,913	2,067	2,186	2,089	1,959	1,773	1,599	1,443
40%	1,252	1,319	1,434	1,634	1,774	1,963	2,110	2,015	1,853	1,674	1,468	1,338
50%	1,146	1,166	1,273	1,445	1,608	1,770	1,914	1,827	1,651	1,453	1,280	1,166
60%	969	984	1,158	1,209	1,407	1,588	1,707	1,619	1,527	1,356	1,172	1,024
70%	865	894	976	1,045	1,228	1,349	1,501	1,469	1,347	1,160	1,054	971
80%	702	700	743	916	964	1,074	1,211	1,151	1,103	977	851	717
90%	370	439	525	599	646	811	882	773	751	647	603	411
Long Term												
Full Simulation Period[a]	1,117	1,138	1,222	1,330	1,474	1,612	1,749	1,698	1,596	1,430	1,283	1,165
Water Year Types[b]												
Wet (32%)	1,311	1,362	1,525	1,712	1,912	2,051	2,209	2,199	2,096	1,946	1,804	1,664
Above Normal (15%)	1,168	1,182	1,278	1,475	1,690	1,890	2,055	2,000	1,848	1,669	1,511	1,376
Below Normal (17%)	1,102	1,113	1,147	1,239	1,343	1,460	1,630	1,563	1,462	1,299	1,157	1,061
Dry (22%)	1,054	1,065	1,109	1,132	1,244	1,395	1,517	1,428	1,329	1,140	973	879
Critical (15%)	758	749	765	758	807	887	932	873	818	664	535	425

Alternative 4 H1 (LLT) minus No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	20	76	37	0	0	0	0	4	**-29**	**0**	**-4**	**-34**
20%	19	64	97	79	0	0	2	0	18	31	32	31
30%	**-17**	10	45	9	19	**-1**	**-6**	12	27	**-18**	**-40**	**-19**
40%	**-39**	19	21	65	40	8	5	24	**-18**	**-35**	**-53**	**-39**
50%	42	19	15	7	24	14	26	21	5	10	13	47
60%	**-61**	**-75**	41	37	71	49	60	39	41	31	18	**-49**
70%	56	26	35	10	50	**-25**	**-9**	42	16	5	53	84
80%	**-1**	**-24**	**-21**	**0**	**-48**	**-27**	**-20**	10	**-3**	**-8**	**-24**	**-43**
90%	54	103	44	**-16**	**-5**	**-12**	35	**-2**	**-6**	5	91	**-45**
Long Term												
Full Simulation Period[a]	7	21	19	18	14	11	12	13	13	**-2**	**0**	2
Water Year Types[b]												
Wet (32%)	6	25	18	18	11	6	3	3	1	**-12**	**-15**	6
Above Normal (15%)	5	28	31	25	11	10	13	13	13	**-10**	**-17**	**-12**
Below Normal (17%)	7	22	24	24	26	18	18	19	15	**-9**	**-12**	**-7**
Dry (22%)	6	15	17	22	21	21	21	23	30	17	25	25
Critical (15%)	15	12	7	**-3**	2	2	9	11	7	5	24	**-15**

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-1-18. Trinity Lake, End of Month Storage

No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1,759	1,706	1,813	1,900	2,000	2,100	2,278	2,309	2,243	2,101	1,977	1,847
20%	1,577	1,534	1,639	1,790	2,000	2,100	2,231	2,197	2,018	1,868	1,738	1,597
30%	1,403	1,414	1,519	1,680	1,894	2,068	2,192	2,076	1,931	1,790	1,639	1,462
40%	1,291	1,300	1,414	1,569	1,734	1,955	2,105	1,991	1,871	1,709	1,521	1,376
50%	1,104	1,147	1,258	1,438	1,584	1,756	1,889	1,806	1,645	1,443	1,267	1,119
60%	1,030	1,059	1,117	1,172	1,336	1,540	1,647	1,580	1,486	1,325	1,154	1,072
70%	809	867	941	1,035	1,178	1,374	1,511	1,426	1,331	1,155	1,001	887
80%	703	724	764	916	1,012	1,100	1,231	1,141	1,106	985	876	759
90%	316	335	482	615	651	824	847	774	757	642	511	457
Long Term												
Full Simulation Period[a]	1,110	1,118	1,203	1,312	1,460	1,601	1,737	1,685	1,583	1,433	1,283	1,163
Water Year Types[b]												
Wet (32%)	1,305	1,337	1,508	1,694	1,901	2,045	2,206	2,196	2,094	1,958	1,820	1,657
Above Normal (15%)	1,163	1,154	1,247	1,450	1,679	1,881	2,042	1,988	1,835	1,679	1,528	1,388
Below Normal (17%)	1,095	1,092	1,122	1,215	1,318	1,442	1,613	1,544	1,447	1,308	1,169	1,068
Dry (22%)	1,047	1,050	1,092	1,110	1,224	1,374	1,496	1,406	1,298	1,123	949	855
Critical (15%)	743	737	758	761	806	885	923	862	811	658	511	440

Alternative 4 H2 (LLT)

	End of Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1,790	1,792	1,850	1,900	2,000	2,100	2,274	2,313	2,235	2,101	1,978	1,849
20%	1,602	1,633	1,722	1,893	2,000	2,100	2,234	2,197	2,081	1,929	1,779	1,636
30%	1,420	1,453	1,572	1,729	1,900	2,078	2,205	2,097	1,987	1,780	1,631	1,480
40%	1,254	1,308	1,443	1,640	1,791	1,980	2,127	2,025	1,868	1,690	1,501	1,378
50%	1,175	1,191	1,307	1,471	1,628	1,789	1,907	1,835	1,675	1,495	1,309	1,196
60%	989	1,017	1,174	1,212	1,409	1,557	1,688	1,603	1,517	1,350	1,171	1,043
70%	903	910	976	1,079	1,285	1,396	1,521	1,445	1,320	1,178	1,062	945
80%	705	722	790	916	1,034	1,150	1,284	1,178	1,155	1,032	907	787
90%	505	552	565	643	706	882	912	839	821	711	608	557
Long Term												
Full Simulation Period[a]	1,138	1,160	1,243	1,346	1,491	1,629	1,763	1,713	1,612	1,455	1,307	1,186
Water Year Types[b]												
Wet (32%)	1,335	1,386	1,544	1,722	1,922	2,058	2,217	2,208	2,106	1,958	1,818	1,676
Above Normal (15%)	1,165	1,186	1,288	1,485	1,700	1,900	2,060	2,005	1,853	1,694	1,536	1,405
Below Normal (17%)	1,118	1,125	1,158	1,249	1,352	1,473	1,643	1,576	1,478	1,325	1,192	1,090
Dry (22%)	1,077	1,087	1,130	1,153	1,267	1,418	1,529	1,440	1,341	1,169	992	881
Critical (15%)	802	793	812	797	847	926	971	916	863	708	578	479

Alternative 4 H2 (LLT) minus No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	31	86	37	0	0	0	**-3**	4	**-8**	**0**	1	2
20%	25	99	82	103	0	0	3	0	62	61	41	39
30%	17	39	52	49	6	10	14	21	56	**-10**	**-8**	18
40%	**-37**	9	30	71	58	26	22	34	**-3**	**-19**	**-20**	2
50%	70	44	49	33	44	33	19	28	30	52	41	77
60%	**-40**	**-42**	57	40	73	17	41	23	31	26	17	**-29**
70%	95	43	36	44	108	22	10	19	**-10**	23	61	58
80%	2	**-2**	25	**0**	22	50	53	36	50	47	31	27
90%	189	216	83	28	54	58	65	65	64	68	97	100
Long Term												
Full Simulation Period[a]	29	42	40	34	31	28	26	27	29	23	24	23
Water Year Types[b]												
Wet (32%)	29	49	36	28	21	13	12	13	12	1	**-1**	19
Above Normal (15%)	2	32	41	35	21	19	18	18	18	15	8	16
Below Normal (17%)	23	33	36	33	34	31	30	31	30	17	23	22
Dry (22%)	30	37	38	43	43	44	33	35	43	46	44	26
Critical (15%)	59	56	53	36	41	41	48	54	52	50	67	39

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-1-19. Trinity Lake, End of Month Storage

No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,759	1,706	1,813	1,900	2,000	2,100	2,278	2,309	2,243	2,101	1,977	1,847
20%	1,577	1,534	1,639	1,790	2,000	2,100	2,231	2,197	2,018	1,868	1,738	1,597
30%	1,403	1,414	1,519	1,680	1,894	2,068	2,192	2,076	1,931	1,790	1,639	1,462
40%	1,291	1,300	1,414	1,569	1,734	1,955	2,105	1,991	1,871	1,709	1,521	1,376
50%	1,104	1,147	1,258	1,438	1,584	1,756	1,889	1,806	1,645	1,443	1,267	1,119
60%	1,030	1,059	1,117	1,172	1,336	1,540	1,647	1,580	1,486	1,325	1,154	1,072
70%	809	867	941	1,035	1,178	1,374	1,511	1,426	1,331	1,155	1,001	887
80%	703	724	764	916	1,012	1,100	1,231	1,141	1,106	985	876	759
90%	316	335	482	615	651	824	847	774	757	642	511	457
Long Term												
Full Simulation Period[a]	1,110	1,118	1,203	1,312	1,460	1,601	1,737	1,685	1,583	1,433	1,283	1,163
Water Year Types[b]												
Wet (32%)	1,305	1,337	1,508	1,694	1,901	2,045	2,206	2,196	2,094	1,958	1,820	1,657
Above Normal (15%)	1,163	1,154	1,247	1,450	1,679	1,881	2,042	1,988	1,835	1,679	1,528	1,388
Below Normal (17%)	1,095	1,092	1,122	1,215	1,318	1,442	1,613	1,544	1,447	1,308	1,169	1,068
Dry (22%)	1,047	1,050	1,092	1,110	1,224	1,374	1,496	1,406	1,298	1,123	949	855
Critical (15%)	743	737	758	761	806	885	923	862	811	658	511	440

Alternative 4 H3 (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,743	1,741	1,835	1,900	2,000	2,100	2,271	2,313	2,221	2,100	1,971	1,837
20%	1,560	1,544	1,684	1,801	1,999	2,100	2,234	2,197	2,069	1,919	1,764	1,616
30%	1,364	1,399	1,517	1,663	1,839	2,025	2,167	2,086	1,966	1,772	1,599	1,432
40%	1,238	1,252	1,429	1,562	1,738	1,929	2,108	1,986	1,822	1,636	1,441	1,312
50%	1,103	1,123	1,228	1,430	1,560	1,758	1,896	1,766	1,646	1,443	1,271	1,124
60%	971	984	1,113	1,177	1,411	1,524	1,719	1,658	1,499	1,297	1,128	1,001
70%	822	852	929	1,015	1,207	1,300	1,403	1,393	1,270	1,095	956	859
80%	698	687	714	869	938	1,074	1,172	1,118	1,071	958	828	730
90%	312	340	550	485	652	824	882	782	759	625	508	356
Long Term												
Full Simulation Period[a]	1,089	1,105	1,189	1,301	1,450	1,591	1,730	1,679	1,574	1,407	1,261	1,139
Water Year Types[b]												
Wet (32%)	1,288	1,336	1,502	1,691	1,899	2,043	2,210	2,202	2,098	1,948	1,807	1,649
Above Normal (15%)	1,134	1,139	1,238	1,442	1,672	1,872	2,037	1,983	1,830	1,652	1,495	1,352
Below Normal (17%)	1,076	1,074	1,105	1,204	1,308	1,432	1,602	1,534	1,431	1,275	1,133	1,033
Dry (22%)	1,012	1,017	1,059	1,081	1,196	1,345	1,468	1,376	1,270	1,079	918	823
Critical (15%)	741	736	757	754	805	884	923	865	804	640	511	416

Alternative 4 H3 (LLT) minus No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-16	35	21	0	0	0	-7	4	-22	-1	-6	-10
20%	-16	10	44	12	-1	0	3	0	51	50	25	19
30%	-39	-15	-2	-18	-55	-44	-25	10	35	-18	-40	-30
40%	-53	-48	15	-7	5	-26	3	-5	-48	-73	-79	-64
50%	-1	-24	-30	-8	-24	2	7	-41	0	1	4	5
60%	-59	-75	-4	5	74	-16	72	78	13	-28	-26	-71
70%	14	-16	-11	-20	30	-74	-107	-33	-61	-60	-45	-29
80%	-5	-37	-51	-46	-74	-27	-58	-24	-34	-27	-48	-30
90%	-4	5	69	-129	1	1	35	8	2	-17	-3	-101
Long Term												
Full Simulation Period[a]	-21	-13	-13	-11	-10	-10	-7	-7	-10	-25	-22	-24
Water Year Types[b]												
Wet (32%)	-18	-1	-6	-3	-2	-2	5	6	4	-10	-13	-8
Above Normal (15%)	-29	-15	-9	-8	-7	-9	-5	-5	-5	-28	-34	-36
Below Normal (17%)	-19	-18	-17	-11	-10	-10	-10	-10	-16	-33	-36	-35
Dry (22%)	-36	-33	-33	-29	-28	-29	-28	-30	-29	-44	-31	-32
Critical (15%)	-2	-1	-1	-6	-1	-1	0	3	-7	-18	0	-24

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-1-20. Trinity Lake, End of Month Storage

No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,759	1,706	1,813	1,900	2,000	2,100	2,278	2,309	2,243	2,101	1,977	1,847
20%	1,577	1,534	1,639	1,790	2,000	2,100	2,231	2,197	2,018	1,868	1,738	1,597
30%	1,403	1,414	1,519	1,680	1,894	2,068	2,192	2,076	1,931	1,790	1,639	1,462
40%	1,291	1,300	1,414	1,569	1,734	1,955	2,105	1,991	1,871	1,709	1,521	1,376
50%	1,104	1,147	1,258	1,438	1,584	1,756	1,889	1,806	1,645	1,443	1,267	1,119
60%	1,030	1,059	1,117	1,172	1,336	1,540	1,647	1,580	1,486	1,325	1,154	1,072
70%	809	867	941	1,035	1,178	1,374	1,511	1,426	1,331	1,155	1,001	887
80%	703	724	764	916	1,012	1,100	1,231	1,141	1,106	985	876	759
90%	316	335	482	615	651	824	847	774	757	642	511	457
Long Term												
Full Simulation Period[a]	1,110	1,118	1,203	1,312	1,460	1,601	1,737	1,685	1,583	1,433	1,283	1,163
Water Year Types[b]												
Wet (32%)	1,305	1,337	1,508	1,694	1,901	2,045	2,206	2,196	2,094	1,958	1,820	1,657
Above Normal (15%)	1,163	1,154	1,247	1,450	1,679	1,881	2,042	1,988	1,835	1,679	1,528	1,388
Below Normal (17%)	1,095	1,092	1,122	1,215	1,318	1,442	1,613	1,544	1,447	1,308	1,169	1,068
Dry (22%)	1,047	1,050	1,092	1,110	1,224	1,374	1,496	1,406	1,298	1,123	949	855
Critical (15%)	743	737	758	761	806	885	923	862	811	658	511	440

Alternative 4 H4 (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,746	1,724	1,830	1,900	2,000	2,100	2,278	2,313	2,236	2,101	1,978	1,801
20%	1,550	1,528	1,580	1,751	2,000	2,100	2,214	2,197	2,070	1,922	1,770	1,622
30%	1,360	1,421	1,513	1,677	1,824	2,015	2,181	2,092	1,962	1,784	1,623	1,431
40%	1,250	1,259	1,414	1,566	1,736	1,944	2,108	1,998	1,867	1,679	1,490	1,341
50%	1,127	1,147	1,243	1,418	1,580	1,758	1,899	1,761	1,651	1,468	1,301	1,150
60%	1,007	1,009	1,126	1,180	1,359	1,531	1,678	1,615	1,515	1,345	1,157	1,056
70%	848	903	1,016	1,061	1,232	1,363	1,501	1,447	1,298	1,196	1,017	905
80%	700	686	728	926	1,059	1,141	1,271	1,179	1,134	1,017	880	756
90%	499	551	554	549	652	818	882	819	771	650	607	505
Long Term												
Full Simulation Period[a]	1,102	1,114	1,200	1,313	1,465	1,607	1,746	1,696	1,596	1,442	1,289	1,160
Water Year Types[b]												
Wet (32%)	1,287	1,329	1,496	1,684	1,894	2,038	2,207	2,197	2,096	1,948	1,806	1,647
Above Normal (15%)	1,137	1,131	1,231	1,444	1,686	1,886	2,045	1,991	1,838	1,680	1,512	1,362
Below Normal (17%)	1,098	1,095	1,126	1,224	1,327	1,458	1,629	1,561	1,465	1,320	1,180	1,083
Dry (22%)	1,048	1,054	1,097	1,123	1,237	1,387	1,509	1,417	1,308	1,135	963	857
Critical (15%)	753	745	766	768	818	898	942	892	855	713	565	448

Alternative 4 H4 (LLT) minus No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-13	18	16	0	0	0	0	4	-7	0	1	-45
20%	-27	-6	-60	-38	0	0	-17	0	52	53	31	25
30%	-43	7	-6	-3	-69	-54	-11	16	31	-6	-16	-31
40%	-41	-40	1	-2	2	-11	3	7	-4	-31	-30	-35
50%	22	0	-15	-19	-4	2	10	-46	5	26	34	31
60%	-23	-50	9	8	22	-9	31	35	29	20	3	-16
70%	39	36	75	26	55	-11	-9	20	-32	41	16	17
80%	-3	-38	-36	10	47	41	41	38	29	32	5	-4
90%	183	216	72	-66	1	-6	35	44	15	8	96	48
Long Term												
Full Simulation Period[a]	-8	-3	-3	2	5	6	9	11	13	10	6	-3
Water Year Types[b]												
Wet (32%)	-19	-8	-11	-10	-7	-7	2	2	2	-9	-13	-10
Above Normal (15%)	-26	-23	-17	-6	7	5	3	3	3	0	-16	-26
Below Normal (17%)	3	4	4	9	9	16	17	17	18	13	11	15
Dry (22%)	0	4	4	13	13	13	13	11	9	12	14	3
Critical (15%)	9	8	7	8	13	13	19	30	44	55	54	9

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-1-21. Trinity Lake, End of Month Storage

No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,759	1,706	1,813	1,900	2,000	2,100	2,278	2,309	2,243	2,101	1,977	1,847
20%	1,577	1,534	1,639	1,790	2,000	2,100	2,231	2,197	2,018	1,868	1,738	1,597
30%	1,403	1,414	1,519	1,680	1,894	2,068	2,192	2,076	1,931	1,790	1,639	1,462
40%	1,291	1,300	1,414	1,569	1,734	1,955	2,105	1,991	1,871	1,709	1,521	1,376
50%	1,104	1,147	1,258	1,438	1,584	1,756	1,889	1,806	1,645	1,443	1,267	1,119
60%	1,030	1,059	1,117	1,172	1,336	1,540	1,647	1,580	1,486	1,325	1,154	1,072
70%	809	867	941	1,035	1,178	1,374	1,511	1,426	1,331	1,155	1,001	887
80%	703	724	764	916	1,012	1,100	1,231	1,141	1,106	985	876	759
90%	316	335	482	615	651	824	847	774	757	642	511	457
Long Term												
Full Simulation Period[a]	1,110	1,118	1,203	1,312	1,460	1,601	1,737	1,685	1,583	1,433	1,283	1,163
Water Year Types[b]												
Wet (32%)	1,305	1,337	1,508	1,694	1,901	2,045	2,206	2,196	2,094	1,958	1,820	1,657
Above Normal (15%)	1,163	1,154	1,247	1,450	1,679	1,881	2,042	1,988	1,835	1,679	1,528	1,388
Below Normal (17%)	1,095	1,092	1,122	1,215	1,318	1,442	1,613	1,544	1,447	1,308	1,169	1,068
Dry (22%)	1,047	1,050	1,092	1,110	1,224	1,374	1,496	1,406	1,298	1,123	949	855
Critical (15%)	743	737	758	761	806	885	923	862	811	658	511	440

Alternative 5 (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,757	1,728	1,817	1,900	2,000	2,100	2,268	2,313	2,221	2,099	1,953	1,826
20%	1,561	1,565	1,692	1,794	1,999	2,100	2,229	2,197	2,067	1,919	1,764	1,616
30%	1,382	1,400	1,521	1,660	1,848	2,021	2,165	2,083	1,938	1,760	1,608	1,443
40%	1,221	1,280	1,398	1,555	1,710	1,873	2,095	1,999	1,846	1,645	1,469	1,302
50%	1,095	1,133	1,230	1,425	1,575	1,747	1,887	1,771	1,643	1,441	1,257	1,109
60%	970	992	1,090	1,200	1,373	1,523	1,640	1,568	1,481	1,265	1,115	1,031
70%	804	807	927	988	1,128	1,267	1,430	1,394	1,280	1,123	996	865
80%	702	722	765	907	1,018	1,134	1,228	1,168	1,120	992	833	748
90%	386	456	533	629	653	813	882	773	735	669	533	400
Long Term												
Full Simulation Period[a]	1,095	1,109	1,193	1,302	1,451	1,592	1,730	1,679	1,578	1,417	1,267	1,143
Water Year Types[b]												
Wet (32%)	1,298	1,344	1,511	1,697	1,900	2,043	2,209	2,200	2,097	1,951	1,810	1,646
Above Normal (15%)	1,127	1,121	1,220	1,427	1,662	1,862	2,028	1,974	1,822	1,650	1,494	1,358
Below Normal (17%)	1,052	1,054	1,086	1,190	1,294	1,420	1,591	1,523	1,427	1,270	1,128	1,024
Dry (22%)	1,044	1,049	1,088	1,098	1,211	1,361	1,482	1,390	1,290	1,100	926	837
Critical (15%)	750	743	760	762	811	891	931	870	819	676	540	438

Alternative 5 (LLT) minus No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-1	22	3	0	0	0	-10	4	-21	-2	-24	-21
20%	-16	31	53	4	-1	0	-2	0	49	50	25	19
30%	-21	-14	2	-20	-46	-48	-27	7	6	-31	-31	-19
40%	-70	-19	-16	-13	-24	-82	-10	8	-25	-65	-52	-74
50%	-9	-14	-28	-13	-8	-8	-1	-35	-2	-2	-10	-10
60%	-60	-67	-27	28	36	-17	-7	-12	-5	-60	-39	-41
70%	-4	-60	-14	-46	-50	-107	-81	-33	-50	-32	-4	-22
80%	-1	-2	0	-9	6	34	-3	27	15	7	-43	-11
90%	70	120	52	15	2	-10	35	-2	-22	27	21	-56
Long Term												
Full Simulation Period[a]	-15	-8	-10	-9	-9	-9	-7	-7	-5	-15	-16	-20
Water Year Types[b]												
Wet (32%)	-7	7	4	2	-1	-2	3	5	3	-6	-10	-11
Above Normal (15%)	-36	-33	-27	-22	-17	-18	-14	-14	-14	-29	-34	-30
Below Normal (17%)	-43	-37	-36	-26	-23	-22	-22	-22	-20	-38	-41	-44
Dry (22%)	-3	-1	-4	-12	-13	-13	-14	-16	-8	-23	-22	-18
Critical (15%)	7	6	1	1	6	6	8	8	8	18	29	-1

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-1-22. Trinity Lake, End of Month Storage

No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,759	1,706	1,813	1,900	2,000	2,100	2,278	2,309	2,243	2,101	1,977	1,847
20%	1,577	1,534	1,639	1,790	2,000	2,100	2,231	2,197	2,018	1,868	1,738	1,597
30%	1,403	1,414	1,519	1,680	1,894	2,068	2,192	2,076	1,931	1,790	1,639	1,462
40%	1,291	1,300	1,414	1,569	1,734	1,955	2,105	1,991	1,871	1,709	1,521	1,376
50%	1,104	1,147	1,258	1,438	1,584	1,756	1,889	1,806	1,645	1,443	1,267	1,119
60%	1,030	1,059	1,117	1,172	1,336	1,540	1,647	1,580	1,486	1,325	1,154	1,072
70%	809	867	941	1,035	1,178	1,374	1,511	1,426	1,331	1,155	1,001	887
80%	703	724	764	916	1,012	1,100	1,231	1,141	1,106	985	876	759
90%	316	335	482	615	651	824	847	774	757	642	511	457
Long Term												
Full Simulation Period[a]	1,110	1,118	1,203	1,312	1,460	1,601	1,737	1,685	1,583	1,433	1,283	1,163
Water Year Types[b]												
Wet (32%)	1,305	1,337	1,508	1,694	1,901	2,045	2,206	2,196	2,094	1,958	1,820	1,657
Above Normal (15%)	1,163	1,154	1,247	1,450	1,679	1,881	2,042	1,988	1,835	1,679	1,528	1,388
Below Normal (17%)	1,095	1,092	1,122	1,215	1,318	1,442	1,613	1,544	1,447	1,308	1,169	1,068
Dry (22%)	1,047	1,050	1,092	1,110	1,224	1,374	1,496	1,406	1,298	1,123	949	855
Critical (15%)	743	737	758	761	806	885	923	862	811	658	511	440

Alternative 6A,6B,6C (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,744	1,745	1,830	1,900	2,000	2,100	2,300	2,311	2,236	2,107	1,975	1,791
20%	1,557	1,564	1,708	1,841	2,000	2,100	2,243	2,219	2,095	1,933	1,780	1,635
30%	1,446	1,468	1,571	1,739	1,961	2,099	2,204	2,097	1,976	1,791	1,641	1,497
40%	1,347	1,378	1,502	1,614	1,756	1,997	2,126	2,015	1,875	1,686	1,534	1,399
50%	1,162	1,205	1,375	1,484	1,612	1,781	1,915	1,825	1,670	1,510	1,340	1,218
60%	1,101	1,126	1,182	1,260	1,484	1,666	1,808	1,716	1,558	1,394	1,250	1,137
70%	932	944	1,032	1,111	1,277	1,393	1,517	1,482	1,399	1,236	1,060	970
80%	709	745	790	940	1,046	1,075	1,221	1,166	1,093	980	849	769
90%	290	337	478	512	614	768	882	819	768	603	505	329
Long Term												
Full Simulation Period[a]	1,137	1,154	1,238	1,346	1,490	1,629	1,763	1,714	1,611	1,456	1,305	1,184
Water Year Types[b]												
Wet (32%)	1,348	1,396	1,562	1,738	1,938	2,074	2,227	2,217	2,114	1,967	1,824	1,663
Above Normal (15%)	1,174	1,185	1,286	1,488	1,708	1,900	2,060	2,006	1,854	1,691	1,541	1,418
Below Normal (17%)	1,112	1,110	1,137	1,233	1,336	1,468	1,639	1,571	1,472	1,326	1,191	1,090
Dry (22%)	1,089	1,097	1,139	1,164	1,278	1,427	1,548	1,459	1,351	1,179	1,000	904
Critical (15%)	742	735	756	758	804	883	928	879	835	683	534	441

Alternative 6A,6B,6C (LLT) minus No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-15	39	16	0	0	0	22	2	-6	6	-2	-56
20%	-20	30	68	51	0	0	12	22	76	65	42	38
30%	43	54	51	58	67	31	13	21	45	1	1	35
40%	56	78	88	45	22	42	21	24	5	-23	14	22
50%	58	58	117	46	28	25	27	18	25	67	73	99
60%	71	67	65	88	148	126	162	136	72	70	96	64
70%	123	77	92	76	99	19	6	56	68	81	60	83
80%	7	21	26	24	33	-25	-9	24	-13	-6	-27	10
90%	-26	2	-4	-102	-37	-56	35	44	11	-40	-7	-128
Long Term												
Full Simulation Period[a]	27	36	35	34	30	28	26	28	28	24	22	21
Water Year Types[b]												
Wet (32%)	42	58	55	44	37	29	22	21	19	10	5	5
Above Normal (15%)	12	31	38	38	29	19	18	18	18	12	13	30
Below Normal (17%)	17	18	15	18	18	26	27	27	25	18	23	22
Dry (22%)	41	47	47	55	54	53	53	53	52	56	52	50
Critical (15%)	-1	-2	-3	-2	-2	-2	5	17	24	24	23	1

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-1-23. Trinity Lake, End of Month Storage

No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,759	1,706	1,813	1,900	2,000	2,100	2,278	2,309	2,243	2,101	1,977	1,847
20%	1,577	1,534	1,639	1,790	2,000	2,100	2,231	2,197	2,018	1,868	1,738	1,597
30%	1,403	1,414	1,519	1,680	1,894	2,068	2,192	2,076	1,931	1,790	1,639	1,462
40%	1,291	1,300	1,414	1,569	1,734	1,955	2,105	1,991	1,871	1,709	1,521	1,376
50%	1,104	1,147	1,258	1,438	1,584	1,756	1,889	1,806	1,645	1,443	1,267	1,119
60%	1,030	1,059	1,117	1,172	1,336	1,540	1,647	1,580	1,486	1,325	1,154	1,072
70%	809	867	941	1,035	1,178	1,374	1,511	1,426	1,331	1,155	1,001	887
80%	703	724	764	916	1,012	1,100	1,231	1,141	1,106	985	876	759
90%	316	335	482	615	651	824	847	774	757	642	511	457
Long Term												
Full Simulation Period[a]	1,110	1,118	1,203	1,312	1,460	1,601	1,737	1,685	1,583	1,433	1,283	1,163
Water Year Types[b]												
Wet (32%)	1,305	1,337	1,508	1,694	1,901	2,045	2,206	2,196	2,094	1,958	1,820	1,657
Above Normal (15%)	1,163	1,154	1,247	1,450	1,679	1,881	2,042	1,988	1,835	1,679	1,528	1,388
Below Normal (17%)	1,095	1,092	1,122	1,215	1,318	1,442	1,613	1,544	1,447	1,308	1,169	1,068
Dry (22%)	1,047	1,050	1,092	1,110	1,224	1,374	1,496	1,406	1,298	1,123	949	855
Critical (15%)	743	737	758	761	806	885	923	862	811	658	511	440

Alternative 7 (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,755	1,749	1,840	1,900	2,000	2,100	2,298	2,313	2,236	2,108	1,981	1,819
20%	1,554	1,568	1,686	1,803	1,999	2,100	2,238	2,206	2,095	1,933	1,780	1,635
30%	1,367	1,426	1,541	1,697	1,901	2,086	2,193	2,089	1,962	1,780	1,629	1,465
40%	1,321	1,301	1,425	1,587	1,735	1,941	2,101	2,014	1,872	1,680	1,499	1,380
50%	1,107	1,150	1,261	1,372	1,612	1,747	1,873	1,775	1,657	1,481	1,309	1,165
60%	1,043	1,061	1,142	1,224	1,408	1,573	1,799	1,697	1,505	1,354	1,196	1,074
70%	826	872	960	1,083	1,221	1,353	1,487	1,439	1,337	1,215	1,034	935
80%	718	706	770	925	1,004	1,068	1,227	1,138	1,096	974	835	750
90%	267	314	378	444	631	778	877	798	695	615	507	324
Long Term												
Full Simulation Period[a]	1,109	1,123	1,205	1,318	1,464	1,604	1,740	1,689	1,588	1,430	1,281	1,160
Water Year Types[b]												
Wet (32%)	1,331	1,372	1,534	1,720	1,924	2,065	2,221	2,211	2,111	1,965	1,828	1,660
Above Normal (15%)	1,137	1,137	1,236	1,438	1,666	1,865	2,029	1,975	1,823	1,659	1,497	1,360
Below Normal (17%)	1,092	1,090	1,122	1,221	1,324	1,453	1,624	1,556	1,459	1,317	1,175	1,078
Dry (22%)	1,035	1,041	1,083	1,113	1,226	1,376	1,498	1,406	1,304	1,131	957	863
Critical (15%)	732	728	743	745	788	864	908	850	793	624	490	416

Alternative 7 (LLT) minus No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-4	43	26	0	0	0	20	4	-6	6	4	-28
20%	-22	34	47	13	-1	0	8	9	76	65	42	38
30%	-36	12	22	16	7	17	2	13	31	-10	-10	3
40%	30	1	11	18	1	-14	-4	22	1	-29	-21	4
50%	2	3	3	-66	28	-9	-16	-31	12	38	41	46
60%	13	2	25	51	72	33	152	117	19	30	42	1
70%	18	5	20	48	44	-21	-24	13	7	60	33	48
80%	15	-19	6	9	-8	-33	-4	-4	-9	-11	-41	-10
90%	-49	-21	-103	-171	-20	-45	30	24	-62	-27	-4	-133
Long Term												
Full Simulation Period[a]	-1	5	3	6	5	3	3	3	4	-2	-2	-3
Water Year Types[b]												
Wet (32%)	25	35	27	26	23	20	16	16	17	8	9	3
Above Normal (15%)	-26	-17	-12	-12	-13	-15	-13	-13	-13	-21	-31	-28
Below Normal (17%)	-3	-1	0	5	6	11	12	12	12	9	6	10
Dry (22%)	-12	-8	-9	3	2	2	2	0	6	8	8	8
Critical (15%)	-11	-9	-15	-15	-17	-21	-15	-12	-18	-34	-21	-24

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-1-24. Trinity Lake, End of Month Storage

No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,759	1,706	1,813	1,900	2,000	2,100	2,278	2,309	2,243	2,101	1,977	1,847
20%	1,577	1,534	1,639	1,790	2,000	2,100	2,231	2,197	2,018	1,868	1,738	1,597
30%	1,403	1,414	1,519	1,680	1,894	2,068	2,192	2,076	1,931	1,790	1,639	1,462
40%	1,291	1,300	1,414	1,569	1,734	1,955	2,105	1,991	1,871	1,709	1,521	1,376
50%	1,104	1,147	1,258	1,438	1,584	1,756	1,889	1,806	1,645	1,443	1,267	1,119
60%	1,030	1,059	1,117	1,172	1,336	1,540	1,647	1,580	1,486	1,325	1,154	1,072
70%	809	867	941	1,035	1,178	1,374	1,511	1,426	1,331	1,155	1,001	887
80%	703	724	764	916	1,012	1,100	1,231	1,141	1,106	985	876	759
90%	316	335	482	615	651	824	847	774	757	642	511	457
Long Term												
Full Simulation Period[a]	1,110	1,118	1,203	1,312	1,460	1,601	1,737	1,685	1,583	1,433	1,283	1,163
Water Year Types[b]												
Wet (32%)	1,305	1,337	1,508	1,694	1,901	2,045	2,206	2,196	2,094	1,958	1,820	1,657
Above Normal (15%)	1,163	1,154	1,247	1,450	1,679	1,881	2,042	1,988	1,835	1,679	1,528	1,388
Below Normal (17%)	1,095	1,092	1,122	1,215	1,318	1,442	1,613	1,544	1,447	1,308	1,169	1,068
Dry (22%)	1,047	1,050	1,092	1,110	1,224	1,374	1,496	1,406	1,298	1,123	949	855
Critical (15%)	743	737	758	761	806	885	923	862	811	658	511	440

Alternative 8 (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,660	1,685	1,819	1,900	2,000	2,100	2,300	2,321	2,197	2,025	1,808	1,691
20%	1,538	1,544	1,642	1,818	2,000	2,100	2,250	2,217	2,117	1,876	1,734	1,593
30%	1,373	1,440	1,523	1,675	1,890	2,061	2,201	2,095	1,903	1,716	1,566	1,431
40%	1,286	1,288	1,471	1,588	1,729	1,978	2,128	2,022	1,808	1,624	1,456	1,347
50%	1,183	1,212	1,334	1,502	1,646	1,797	1,900	1,830	1,693	1,532	1,364	1,249
60%	1,105	1,135	1,192	1,272	1,510	1,667	1,800	1,702	1,609	1,419	1,250	1,127
70%	1,002	996	1,112	1,194	1,319	1,467	1,593	1,540	1,447	1,283	1,136	1,054
80%	827	847	912	1,025	1,092	1,222	1,338	1,302	1,224	1,058	940	858
90%	473	534	546	662	700	899	1,014	890	855	742	614	496
Long Term												
Full Simulation Period[a]	1,139	1,157	1,244	1,362	1,508	1,648	1,793	1,743	1,625	1,452	1,295	1,183
Water Year Types[b]												
Wet (32%)	1,340	1,393	1,564	1,740	1,932	2,064	2,234	2,222	2,098	1,922	1,759	1,615
Above Normal (15%)	1,158	1,159	1,264	1,474	1,707	1,908	2,081	2,026	1,835	1,662	1,500	1,381
Below Normal (17%)	1,108	1,111	1,141	1,246	1,356	1,490	1,664	1,594	1,470	1,306	1,165	1,068
Dry (22%)	1,105	1,116	1,158	1,196	1,307	1,461	1,582	1,500	1,406	1,239	1,076	977
Critical (15%)	775	758	781	817	867	952	1,017	960	897	714	568	490

Alternative 8 (LLT) minus No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-99	-20	6	0	0	0	22	12	-46	-76	-169	-156
20%	-39	10	3	28	0	0	19	20	99	8	-4	-4
30%	-30	26	3	-6	-4	-7	9	19	-28	-74	-74	-31
40%	-5	-11	57	20	-5	24	23	31	-63	-85	-64	-29
50%	79	65	75	65	63	42	11	24	48	89	97	130
60%	75	76	74	100	174	127	153	121	123	94	96	55
70%	194	129	171	159	141	93	82	113	117	128	136	167
80%	124	122	148	110	80	122	107	161	118	73	64	99
90%	157	198	64	47	49	75	167	115	98	99	102	39
Long Term												
Full Simulation Period[a]	30	39	41	50	48	47	56	58	41	19	12	20
Water Year Types[b]												
Wet (32%)	35	56	56	45	31	19	28	26	3	-36	-61	-42
Above Normal (15%)	-5	5	17	25	27	27	39	38	-1	-18	-28	-7
Below Normal (17%)	13	20	19	31	38	48	51	50	23	-1	-4	0
Dry (22%)	57	66	66	86	83	86	86	94	108	116	127	122
Critical (15%)	32	21	23	56	62	67	94	98	86	56	57	50

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-1-25. Trinity Lake, End of Month Storage

No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,759	1,706	1,813	1,900	2,000	2,100	2,278	2,309	2,243	2,101	1,977	1,847
20%	1,577	1,534	1,639	1,790	2,000	2,100	2,231	2,197	2,018	1,868	1,738	1,597
30%	1,403	1,414	1,519	1,680	1,894	2,068	2,192	2,076	1,931	1,790	1,639	1,462
40%	1,291	1,300	1,414	1,569	1,734	1,955	2,105	1,991	1,871	1,709	1,521	1,376
50%	1,104	1,147	1,258	1,438	1,584	1,756	1,889	1,806	1,645	1,443	1,267	1,119
60%	1,030	1,059	1,117	1,172	1,336	1,540	1,647	1,580	1,486	1,325	1,154	1,072
70%	809	867	941	1,035	1,178	1,374	1,511	1,426	1,331	1,155	1,001	887
80%	703	724	764	916	1,012	1,100	1,231	1,141	1,106	985	876	759
90%	316	335	482	615	651	824	847	774	757	642	511	457
Long Term												
Full Simulation Period[a]	1,110	1,118	1,203	1,312	1,460	1,601	1,737	1,685	1,583	1,433	1,283	1,163
Water Year Types[b]												
Wet (32%)	1,305	1,337	1,508	1,694	1,901	2,045	2,206	2,196	2,094	1,958	1,820	1,657
Above Normal (15%)	1,163	1,154	1,247	1,450	1,679	1,881	2,042	1,988	1,835	1,679	1,528	1,388
Below Normal (17%)	1,095	1,092	1,122	1,215	1,318	1,442	1,613	1,544	1,447	1,308	1,169	1,068
Dry (22%)	1,047	1,050	1,092	1,110	1,224	1,374	1,496	1,406	1,298	1,123	949	855
Critical (15%)	743	737	758	761	806	885	923	862	811	658	511	440

Alternative 9 (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,771	1,719	1,817	1,900	2,000	2,100	2,278	2,310	2,222	2,107	1,980	1,837
20%	1,575	1,535	1,683	1,776	1,999	2,100	2,243	2,201	2,094	1,931	1,786	1,640
30%	1,420	1,424	1,515	1,681	1,859	2,042	2,189	2,097	1,954	1,780	1,621	1,481
40%	1,247	1,264	1,424	1,567	1,751	1,920	2,108	2,018	1,887	1,702	1,518	1,345
50%	1,127	1,171	1,202	1,445	1,589	1,815	1,893	1,786	1,654	1,459	1,283	1,160
60%	1,039	1,045	1,157	1,193	1,388	1,589	1,765	1,672	1,516	1,326	1,146	1,055
70%	812	876	1,016	1,098	1,229	1,364	1,475	1,409	1,288	1,115	957	842
80%	670	687	756	916	1,026	1,121	1,262	1,202	1,140	1,016	836	710
90%	368	438	509	549	653	817	882	776	750	635	534	498
Long Term												
Full Simulation Period[a]	1,114	1,122	1,203	1,317	1,467	1,609	1,748	1,696	1,591	1,433	1,283	1,165
Water Year Types[b]												
Wet (32%)	1,308	1,345	1,507	1,695	1,903	2,049	2,219	2,210	2,107	1,965	1,831	1,671
Above Normal (15%)	1,153	1,137	1,237	1,450	1,681	1,879	2,042	1,987	1,842	1,683	1,531	1,394
Below Normal (17%)	1,104	1,101	1,132	1,231	1,335	1,464	1,635	1,567	1,467	1,319	1,174	1,067
Dry (22%)	1,059	1,057	1,094	1,117	1,231	1,381	1,502	1,409	1,297	1,111	919	822
Critical (15%)	751	742	758	767	817	896	937	874	808	646	524	468

Alternative 9 (LLT) minus No Action Alternative (LLT)

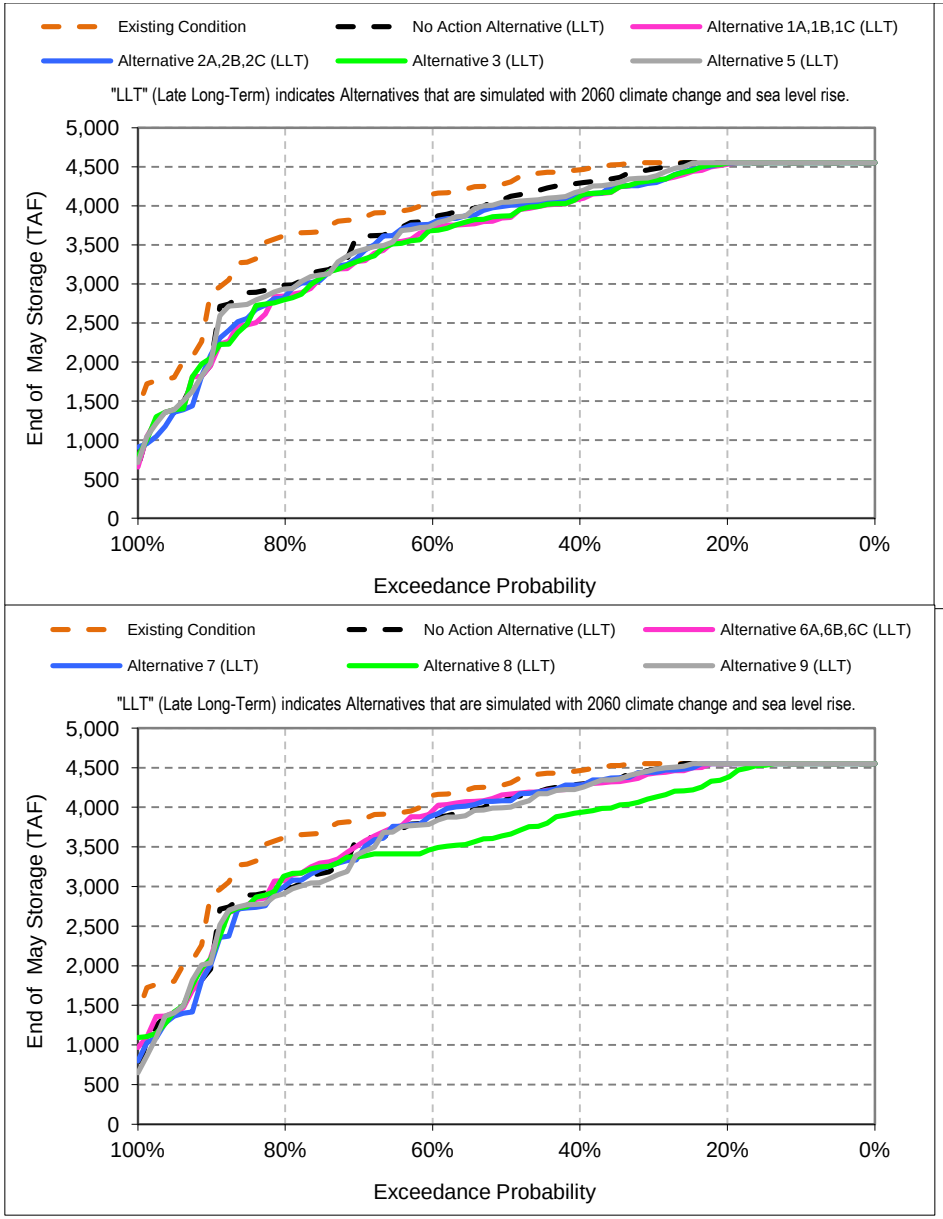
	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	12	13	3	0	0	0	0	2	-20	6	4	-9
20%	-1	1	43	-13	-1	0	12	4	76	63	47	44
30%	17	10	-4	0	-34	-26	-2	21	23	-10	-18	19
40%	-44	-36	10	-1	18	-34	3	27	16	-8	-2	-31
50%	23	24	-57	7	5	60	4	-20	9	16	16	41
60%	9	-15	40	21	51	49	118	92	30	2	-8	-17
70%	4	9	75	63	52	-10	-36	-17	-43	-40	-43	-46
80%	-32	-38	-9	0	14	21	31	61	34	30	-40	-50
90%	52	103	28	-66	2	-7	35	2	-7	-7	23	41
Long Term												
Full Simulation Period[a]	4	4	1	5	7	8	11	11	7	0	0	2
Water Year Types[b]												
Wet (32%)	2	8	0	0	2	5	13	14	13	7	12	14
Above Normal (15%)	-10	-17	-11	0	2	-2	0	0	6	4	3	6
Below Normal (17%)	9	9	10	15	17	23	22	22	19	12	5	-1
Dry (22%)	11	7	2	7	7	7	6	3	-2	-12	-30	-32
Critical (15%)	7	5	0	7	12	11	14	12	-3	-12	13	28

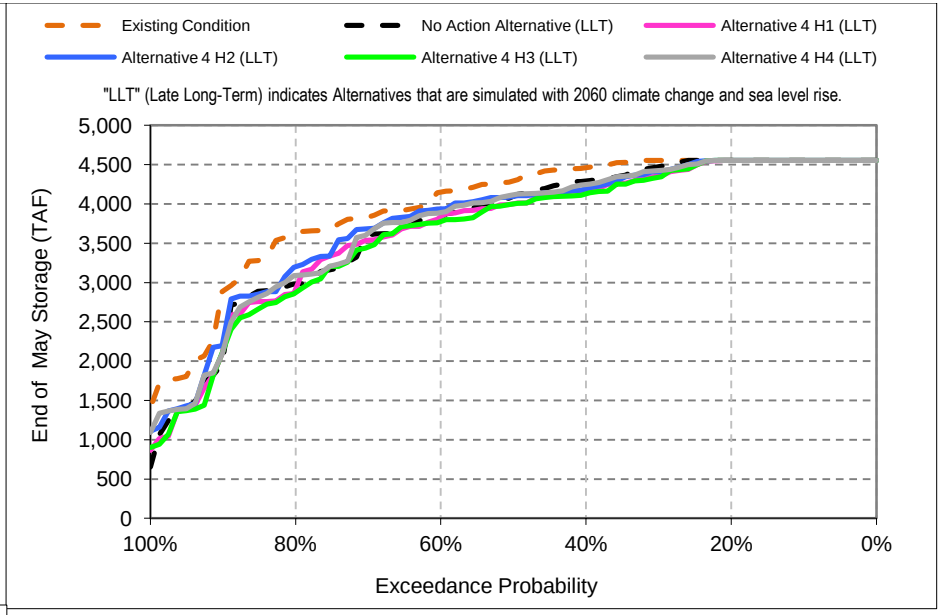
Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

C.2. Shasta Storage

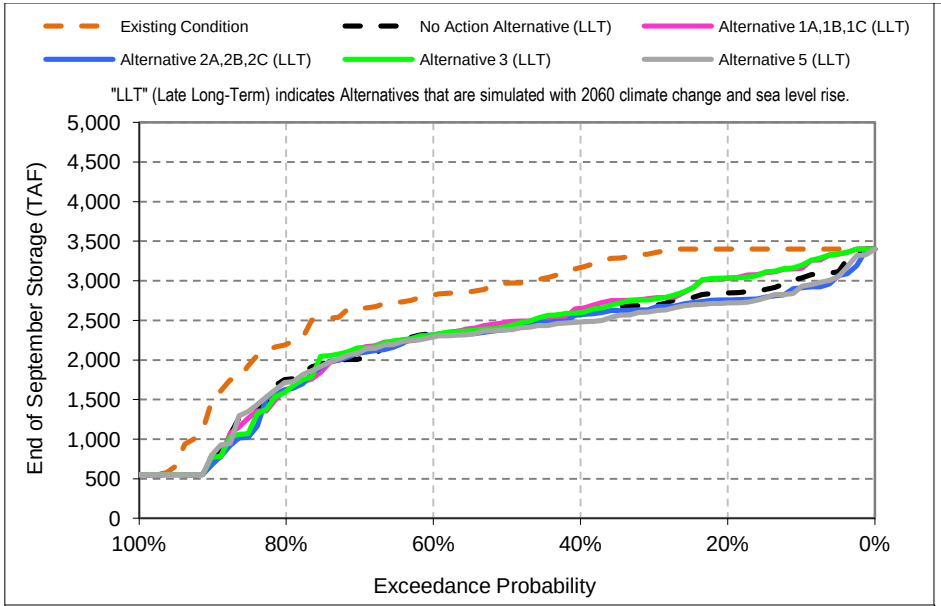


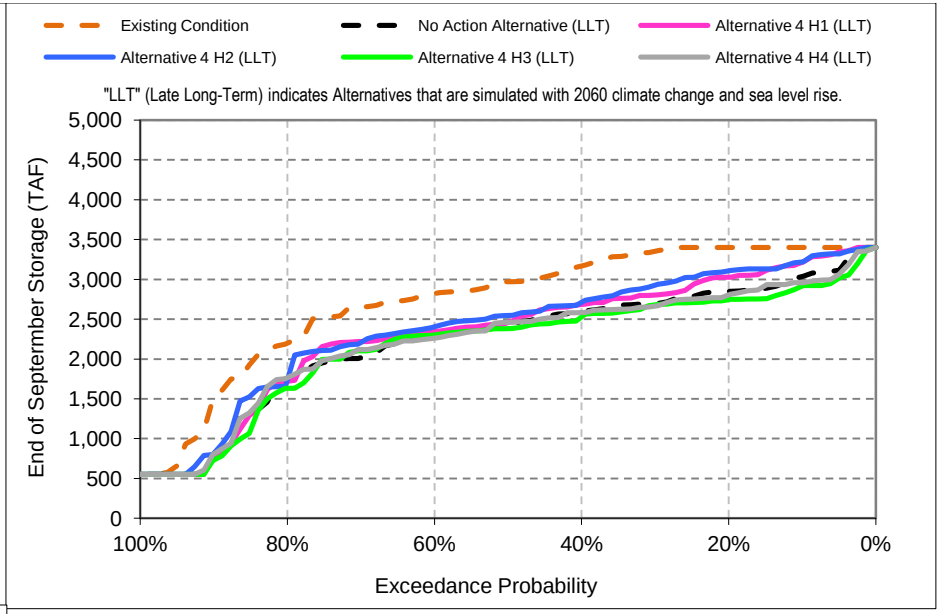


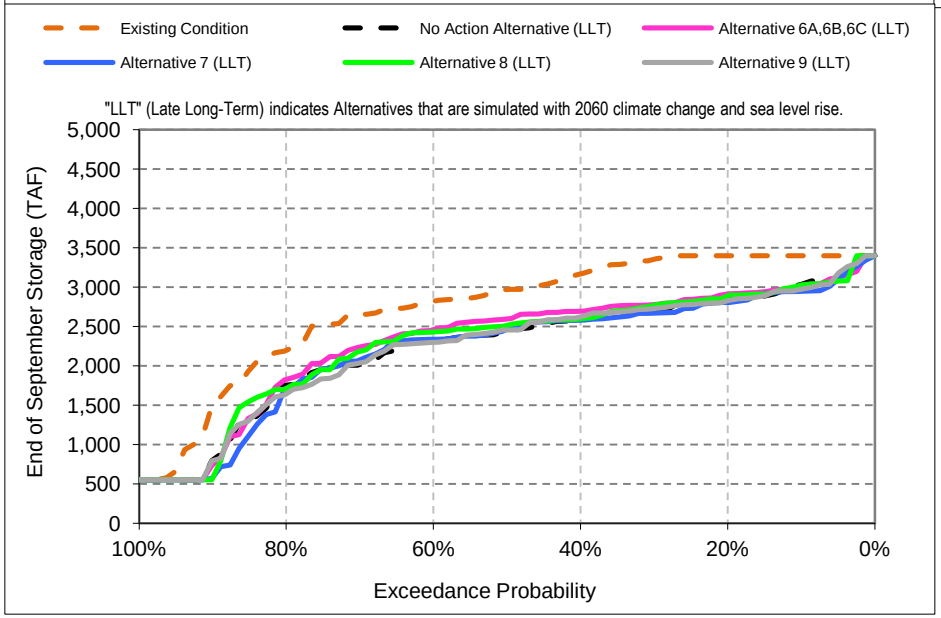
Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-2-1. Shasta Lake, End of May Storage







Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-2-2. Shasta Lake, End of September Storage

Table C-2-1. Shasta Lake, End of Month Storage

Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,250	3,252	3,347	3,638	3,919	4,226	4,521	4,552	4,479	4,081	3,700	3,400
20%	3,250	3,250	3,327	3,552	3,803	4,123	4,456	4,552	4,353	3,960	3,664	3,400
30%	3,213	3,215	3,309	3,520	3,684	4,039	4,369	4,552	4,239	3,718	3,372	3,353
40%	3,146	3,153	3,276	3,401	3,635	3,992	4,295	4,463	4,052	3,532	3,213	3,167
50%	2,871	2,980	3,243	3,287	3,533	3,903	4,212	4,293	3,906	3,385	3,006	2,970
60%	2,722	2,760	3,004	3,167	3,417	3,757	4,082	4,152	3,691	3,188	2,843	2,821
70%	2,574	2,594	2,714	2,957	3,282	3,566	3,950	3,831	3,437	2,975	2,686	2,654
80%	2,111	2,264	2,294	2,683	3,019	3,376	3,758	3,622	3,205	2,630	2,226	2,198
90%	1,303	1,414	1,456	1,840	2,177	2,813	2,705	2,893	2,522	1,914	1,601	1,502
Long Term												
Full Simulation Period[a]	2,624	2,645	2,777	3,029	3,299	3,644	3,936	3,961	3,654	3,172	2,838	2,723
Water Year Types[b]												
Wet (32%)	2,908	3,007	3,185	3,430	3,642	3,862	4,317	4,470	4,289	3,880	3,526	3,317
Above Normal (15%)	2,578	2,571	2,741	3,185	3,453	3,959	4,399	4,474	4,129	3,570	3,235	3,197
Below Normal (17%)	2,662	2,668	2,727	3,023	3,365	3,736	4,099	4,110	3,776	3,267	2,932	2,872
Dry (22%)	2,581	2,570	2,719	2,893	3,261	3,731	3,872	3,778	3,390	2,882	2,542	2,455
Critical (15%)	2,072	2,020	2,074	2,215	2,382	2,616	2,554	2,443	2,060	1,568	1,287	1,189

No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,054	3,093	3,304	3,608	3,831	4,180	4,478	4,552	4,403	3,754	3,348	3,035
20%	2,728	2,749	3,252	3,530	3,730	4,107	4,403	4,552	4,173	3,568	3,273	2,848
30%	2,605	2,520	3,045	3,364	3,646	4,007	4,347	4,475	4,085	3,450	3,033	2,695
40%	2,495	2,461	2,783	3,252	3,494	3,959	4,227	4,293	3,817	3,151	2,806	2,601
50%	2,302	2,339	2,610	3,030	3,359	3,754	4,113	4,099	3,642	3,041	2,665	2,436
60%	2,143	2,176	2,423	2,785	3,261	3,490	3,880	3,830	3,406	2,813	2,454	2,331
70%	1,867	1,948	2,118	2,541	2,984	3,416	3,581	3,604	3,129	2,561	2,222	2,018
80%	1,599	1,558	1,693	2,082	2,771	2,985	3,214	2,984	2,586	2,054	1,776	1,754
90%	618	655	889	1,467	1,756	2,075	2,104	2,034	1,663	1,180	894	803
Long Term												
Full Simulation Period[a]	2,128	2,141	2,415	2,774	3,129	3,488	3,738	3,720	3,330	2,771	2,438	2,242
Water Year Types[b]												
Wet (32%)	2,412	2,501	2,975	3,365	3,657	3,877	4,283	4,436	4,150	3,568	3,224	2,805
Above Normal (15%)	2,153	2,111	2,389	3,057	3,444	4,007	4,416	4,388	3,930	3,273	2,857	2,582
Below Normal (17%)	2,199	2,175	2,310	2,730	3,195	3,611	3,914	3,912	3,517	2,954	2,599	2,518
Dry (22%)	2,028	2,044	2,262	2,478	2,929	3,400	3,501	3,334	2,882	2,336	1,969	1,944
Critical (15%)	1,556	1,493	1,577	1,702	1,893	2,113	2,030	1,859	1,409	980	832	805

No Action Alternative (LLT) minus Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-196	-159	-43	-30	-88	-46	-43	0	-76	-326	-352	-365
20%	-522	-501	-75	-21	-73	-16	-53	0	-180	-392	-392	-552
30%	-607	-695	-264	-156	-37	-32	-22	-77	-154	-268	-339	-659
40%	-652	-693	-493	-149	-141	-33	-68	-170	-235	-381	-407	-567
50%	-569	-641	-634	-257	-174	-149	-100	-194	-264	-344	-341	-534
60%	-579	-583	-581	-382	-155	-267	-202	-322	-284	-375	-389	-490
70%	-708	-647	-596	-416	-298	-150	-369	-227	-307	-415	-464	-637
80%	-512	-706	-602	-601	-249	-391	-544	-637	-619	-576	-450	-444
90%	-685	-759	-567	-373	-421	-738	-601	-859	-859	-734	-707	-699
Long Term												
Full Simulation Period[a]	-495	-505	-362	-255	-170	-156	-198	-240	-324	-402	-400	-481
Water Year Types[b]												
Wet (32%)	-496	-506	-210	-65	15	15	-34	-34	-139	-312	-302	-511
Above Normal (15%)	-425	-460	-352	-128	-9	47	17	-87	-199	-297	-379	-615
Below Normal (17%)	-463	-493	-417	-293	-170	-125	-184	-198	-259	-313	-333	-354
Dry (22%)	-553	-526	-458	-414	-331	-331	-371	-445	-508	-546	-573	-511
Critical (15%)	-516	-526	-497	-513	-489	-503	-525	-583	-651	-588	-456	-384

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-2-2. Shasta Lake, End of Month Storage

Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,250	3,252	3,347	3,638	3,919	4,226	4,521	4,552	4,479	4,081	3,700	3,400
20%	3,250	3,250	3,327	3,552	3,803	4,123	4,456	4,552	4,353	3,960	3,664	3,400
30%	3,213	3,215	3,309	3,520	3,684	4,039	4,369	4,552	4,239	3,718	3,372	3,353
40%	3,146	3,153	3,276	3,401	3,635	3,992	4,295	4,463	4,052	3,532	3,213	3,167
50%	2,871	2,980	3,243	3,287	3,533	3,903	4,212	4,293	3,906	3,385	3,006	2,970
60%	2,722	2,760	3,004	3,167	3,417	3,757	4,082	4,152	3,691	3,188	2,843	2,821
70%	2,574	2,594	2,714	2,957	3,282	3,566	3,950	3,831	3,437	2,975	2,686	2,654
80%	2,111	2,264	2,294	2,683	3,019	3,376	3,758	3,622	3,205	2,630	2,226	2,198
90%	1,303	1,414	1,456	1,840	2,177	2,813	2,705	2,893	2,522	1,914	1,601	1,502
Long Term												
Full Simulation Period[a]	2,624	2,645	2,777	3,029	3,299	3,644	3,936	3,961	3,654	3,172	2,838	2,723
Water Year Types[b]												
Wet (32%)	2,908	3,007	3,185	3,430	3,642	3,862	4,317	4,470	4,289	3,880	3,526	3,317
Above Normal (15%)	2,578	2,571	2,741	3,185	3,453	3,959	4,399	4,474	4,129	3,570	3,235	3,197
Below Normal (17%)	2,662	2,668	2,727	3,023	3,365	3,736	4,099	4,110	3,776	3,267	2,932	2,872
Dry (22%)	2,581	2,570	2,719	2,893	3,261	3,731	3,872	3,778	3,390	2,882	2,542	2,455
Critical (15%)	2,072	2,020	2,074	2,215	2,382	2,616	2,554	2,443	2,060	1,568	1,287	1,189

Alternative 1A,1B,1C (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,147	3,249	3,327	3,620	3,847	4,170	4,479	4,552	4,261	3,682	3,277	3,156
20%	2,813	3,011	3,267	3,546	3,730	4,124	4,386	4,535	4,052	3,458	3,108	3,032
30%	2,655	2,858	3,151	3,460	3,634	4,007	4,290	4,328	3,857	3,204	2,853	2,784
40%	2,431	2,572	2,994	3,332	3,524	3,952	4,177	4,087	3,543	2,986	2,680	2,653
50%	2,147	2,258	2,694	3,250	3,408	3,801	4,064	3,847	3,353	2,854	2,558	2,477
60%	1,933	2,006	2,419	2,731	3,252	3,498	3,762	3,700	3,137	2,583	2,343	2,312
70%	1,772	1,795	2,078	2,407	2,978	3,373	3,454	3,292	2,859	2,407	2,096	2,147
80%	1,356	1,375	1,458	1,951	2,568	2,866	3,005	2,849	2,350	2,012	1,712	1,629
90%	634	636	865	1,152	1,667	1,867	2,264	1,983	1,614	1,160	859	751
Long Term												
Full Simulation Period[a]	2,081	2,165	2,413	2,755	3,086	3,440	3,664	3,588	3,144	2,636	2,355	2,284
Water Year Types[b]												
Wet (32%)	2,427	2,582	2,998	3,370	3,661	3,874	4,278	4,385	4,017	3,453	3,124	3,026
Above Normal (15%)	2,103	2,194	2,468	3,145	3,449	4,029	4,400	4,306	3,744	3,127	2,783	2,714
Below Normal (17%)	2,094	2,159	2,277	2,588	3,010	3,397	3,660	3,592	3,164	2,680	2,377	2,304
Dry (22%)	1,936	2,003	2,205	2,413	2,851	3,330	3,384	3,132	2,656	2,208	1,952	1,900
Critical (15%)	1,509	1,483	1,562	1,740	1,918	2,124	2,022	1,824	1,358	968	836	802

Alternative 1A,1B,1C (LLT) minus Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-103	-3	-20	-19	-72	-56	-42	0	-218	-399	-423	-244
20%	-436	-239	-61	-6	-73	1	-70	-17	-301	-502	-556	-368
30%	-558	-357	-158	-60	-50	-32	-79	-224	-382	-514	-519	-569
40%	-715	-581	-282	-70	-110	-40	-118	-375	-509	-546	-533	-515
50%	-725	-721	-549	-37	-125	-102	-148	-446	-553	-531	-447	-493
60%	-789	-754	-585	-437	-165	-259	-320	-453	-554	-605	-499	-509
70%	-803	-799	-636	-550	-304	-193	-496	-540	-577	-568	-590	-508
80%	-755	-890	-837	-733	-451	-510	-754	-773	-855	-618	-514	-568
90%	-669	-778	-591	-689	-510	-946	-441	-911	-908	-754	-742	-752
Long Term												
Full Simulation Period[a]	-543	-480	-364	-274	-213	-204	-272	-372	-511	-536	-484	-438
Water Year Types[b]												
Wet (32%)	-481	-425	-187	-61	19	12	-39	-85	-272	-427	-402	-290
Above Normal (15%)	-475	-377	-273	-40	-4	70	2	-169	-385	-443	-452	-483
Below Normal (17%)	-568	-509	-450	-436	-355	-339	-439	-518	-612	-587	-555	-568
Dry (22%)	-645	-567	-514	-479	-410	-401	-488	-647	-734	-674	-589	-555
Critical (15%)	-563	-537	-512	-475	-464	-492	-532	-618	-702	-600	-451	-387

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-2-3. Shasta Lake, End of Month Storage

Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,250	3,252	3,347	3,638	3,919	4,226	4,521	4,552	4,479	4,081	3,700	3,400
20%	3,250	3,250	3,327	3,552	3,803	4,123	4,456	4,552	4,353	3,960	3,664	3,400
30%	3,213	3,215	3,309	3,520	3,684	4,039	4,369	4,552	4,239	3,718	3,372	3,353
40%	3,146	3,153	3,276	3,401	3,635	3,992	4,295	4,463	4,052	3,532	3,213	3,167
50%	2,871	2,980	3,243	3,287	3,533	3,903	4,212	4,293	3,906	3,385	3,006	2,970
60%	2,722	2,760	3,004	3,167	3,417	3,757	4,082	4,152	3,691	3,188	2,843	2,821
70%	2,574	2,594	2,714	2,957	3,282	3,566	3,950	3,831	3,437	2,975	2,686	2,654
80%	2,111	2,264	2,294	2,683	3,019	3,376	3,758	3,622	3,205	2,630	2,226	2,198
90%	1,303	1,414	1,456	1,840	2,177	2,813	2,705	2,893	2,522	1,914	1,601	1,502
Long Term												
Full Simulation Period[a]	2,624	2,645	2,777	3,029	3,299	3,644	3,936	3,961	3,654	3,172	2,838	2,723
Water Year Types[b]												
Wet (32%)	2,908	3,007	3,185	3,430	3,642	3,862	4,317	4,470	4,289	3,880	3,526	3,317
Above Normal (15%)	2,578	2,571	2,741	3,185	3,453	3,959	4,399	4,474	4,129	3,570	3,235	3,197
Below Normal (17%)	2,662	2,668	2,727	3,023	3,365	3,736	4,099	4,110	3,776	3,267	2,932	2,872
Dry (22%)	2,581	2,570	2,719	2,893	3,261	3,731	3,872	3,778	3,390	2,882	2,542	2,455
Critical (15%)	2,072	2,020	2,074	2,215	2,382	2,616	2,554	2,443	2,060	1,568	1,287	1,189

Alternative 2A,2B,2C (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,987	3,057	3,319	3,615	3,843	4,162	4,479	4,552	4,242	3,705	3,328	2,909
20%	2,750	2,830	3,267	3,530	3,730	4,124	4,411	4,549	4,047	3,429	3,107	2,758
30%	2,590	2,645	3,042	3,367	3,622	4,020	4,298	4,298	3,888	3,244	2,883	2,660
40%	2,383	2,517	2,872	3,252	3,514	3,964	4,221	4,141	3,605	3,067	2,749	2,572
50%	2,230	2,321	2,717	3,066	3,427	3,754	4,084	4,002	3,451	2,869	2,551	2,385
60%	2,056	2,101	2,405	2,787	3,282	3,509	3,876	3,784	3,185	2,724	2,416	2,314
70%	1,874	1,877	2,139	2,491	2,953	3,416	3,553	3,360	3,004	2,523	2,221	2,087
80%	1,423	1,390	1,510	2,018	2,676	2,757	3,075	2,843	2,432	1,967	1,690	1,620
90%	592	666	821	1,137	1,422	1,900	2,424	2,109	1,617	1,174	895	687
Long Term												
Full Simulation Period[a]	2,066	2,132	2,394	2,755	3,100	3,453	3,695	3,628	3,186	2,673	2,377	2,180
Water Year Types[b]												
Wet (32%)	2,362	2,509	2,993	3,366	3,661	3,876	4,283	4,397	4,040	3,481	3,154	2,715
Above Normal (15%)	2,104	2,138	2,413	3,104	3,472	4,028	4,419	4,313	3,752	3,143	2,777	2,537
Below Normal (17%)	2,137	2,188	2,290	2,686	3,101	3,517	3,800	3,742	3,307	2,781	2,458	2,426
Dry (22%)	1,909	1,966	2,172	2,413	2,863	3,333	3,420	3,189	2,709	2,233	1,950	1,905
Critical (15%)	1,539	1,490	1,534	1,675	1,865	2,068	1,986	1,802	1,348	987	842	792

Alternative 2A,2B,2C (LLT) minus Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-263	-195	-28	-24	-77	-63	-42	0	-237	-375	-372	-491
20%	-500	-421	-61	-21	-73	1	-44	-3	-306	-531	-557	-642
30%	-623	-570	-267	-152	-62	-19	-71	-254	-351	-475	-488	-693
40%	-764	-636	-404	-149	-121	-28	-74	-322	-447	-465	-463	-595
50%	-641	-659	-526	-221	-106	-149	-128	-291	-455	-516	-454	-585
60%	-666	-659	-599	-380	-134	-248	-206	-368	-505	-464	-426	-507
70%	-701	-717	-575	-466	-329	-150	-398	-471	-432	-452	-465	-568
80%	-688	-875	-784	-666	-344	-620	-683	-779	-773	-663	-536	-577
90%	-710	-749	-635	-703	-755	-913	-281	-784	-904	-740	-706	-815
Long Term												
Full Simulation Period[a]	-558	-513	-383	-274	-199	-190	-241	-333	-468	-500	-461	-542
Water Year Types[b]												
Wet (32%)	-546	-499	-192	-64	19	14	-34	-73	-249	-399	-372	-602
Above Normal (15%)	-474	-433	-328	-81	19	68	20	-162	-377	-427	-459	-660
Below Normal (17%)	-524	-480	-437	-337	-264	-219	-299	-368	-469	-487	-475	-445
Dry (22%)	-672	-604	-548	-479	-397	-399	-452	-590	-681	-649	-592	-550
Critical (15%)	-533	-529	-540	-540	-517	-548	-568	-641	-712	-581	-445	-397

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-2-4. Shasta Lake, End of Month Storage

Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,250	3,252	3,347	3,638	3,919	4,226	4,521	4,552	4,479	4,081	3,700	3,400
20%	3,250	3,250	3,327	3,552	3,803	4,123	4,456	4,552	4,353	3,960	3,664	3,400
30%	3,213	3,215	3,309	3,520	3,684	4,039	4,369	4,552	4,239	3,718	3,372	3,353
40%	3,146	3,153	3,276	3,401	3,635	3,992	4,295	4,463	4,052	3,532	3,213	3,167
50%	2,871	2,980	3,243	3,287	3,533	3,903	4,212	4,293	3,906	3,385	3,006	2,970
60%	2,722	2,760	3,004	3,167	3,417	3,757	4,082	4,152	3,691	3,188	2,843	2,821
70%	2,574	2,594	2,714	2,957	3,282	3,566	3,950	3,831	3,437	2,975	2,686	2,654
80%	2,111	2,264	2,294	2,683	3,019	3,376	3,758	3,622	3,205	2,630	2,226	2,198
90%	1,303	1,414	1,456	1,840	2,177	2,813	2,705	2,893	2,522	1,914	1,601	1,502
Long Term												
Full Simulation Period[a]	2,624	2,645	2,777	3,029	3,299	3,644	3,936	3,961	3,654	3,172	2,838	2,723
Water Year Types[b]												
Wet (32%)	2,908	3,007	3,185	3,430	3,642	3,862	4,317	4,470	4,289	3,880	3,526	3,317
Above Normal (15%)	2,578	2,571	2,741	3,185	3,453	3,959	4,399	4,474	4,129	3,570	3,235	3,197
Below Normal (17%)	2,662	2,668	2,727	3,023	3,365	3,736	4,099	4,110	3,776	3,267	2,932	2,872
Dry (22%)	2,581	2,570	2,719	2,893	3,261	3,731	3,872	3,778	3,390	2,882	2,542	2,455
Critical (15%)	2,072	2,020	2,074	2,215	2,382	2,616	2,554	2,443	2,060	1,568	1,287	1,189

Alternative 3 (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,144	3,247	3,327	3,621	3,852	4,170	4,479	4,552	4,256	3,685	3,277	3,196
20%	2,815	3,062	3,267	3,547	3,730	4,124	4,389	4,547	4,052	3,441	3,114	3,036
30%	2,661	2,818	3,192	3,441	3,636	4,014	4,290	4,327	3,871	3,203	2,850	2,770
40%	2,436	2,599	2,955	3,319	3,511	3,964	4,180	4,121	3,574	2,996	2,698	2,600
50%	2,168	2,271	2,711	3,223	3,435	3,781	4,066	3,871	3,369	2,807	2,532	2,424
60%	1,994	2,049	2,415	2,798	3,252	3,463	3,875	3,683	3,141	2,583	2,356	2,318
70%	1,796	1,847	2,103	2,426	2,944	3,249	3,417	3,295	2,833	2,395	2,129	2,152
80%	1,170	1,460	1,291	1,950	2,507	2,792	2,942	2,803	2,443	2,030	1,679	1,605
90%	648	641	865	1,238	1,663	1,919	2,368	2,070	1,640	1,166	885	775
Long Term												
Full Simulation Period[a]	2,089	2,177	2,419	2,761	3,089	3,440	3,673	3,598	3,156	2,639	2,354	2,284
Water Year Types[b]												
Wet (32%)	2,435	2,601	3,023	3,387	3,661	3,874	4,283	4,392	4,033	3,461	3,129	3,031
Above Normal (15%)	2,068	2,159	2,440	3,113	3,463	4,029	4,405	4,313	3,761	3,142	2,794	2,713
Below Normal (17%)	2,109	2,178	2,287	2,619	3,015	3,402	3,668	3,592	3,164	2,648	2,355	2,285
Dry (22%)	1,957	2,016	2,186	2,402	2,832	3,309	3,392	3,144	2,675	2,221	1,957	1,911
Critical (15%)	1,539	1,517	1,591	1,757	1,950	2,150	2,049	1,850	1,365	970	832	795

Alternative 3 (LLT) minus Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-106	-5	-20	-17	-67	-55	-42	0	-223	-396	-423	-204
20%	-435	-189	-61	-5	-73	1	-67	-5	-301	-519	-551	-364
30%	-552	-397	-117	-78	-47	-26	-79	-225	-369	-516	-522	-583
40%	-710	-554	-321	-82	-124	-28	-115	-341	-479	-536	-515	-567
50%	-703	-708	-532	-63	-98	-122	-146	-422	-537	-578	-473	-546
60%	-728	-710	-590	-370	-165	-294	-207	-469	-550	-604	-486	-503
70%	-778	-747	-611	-530	-338	-317	-533	-536	-604	-580	-557	-502
80%	-941	-805	-1,003	-733	-512	-585	-816	-819	-763	-600	-547	-593
90%	-654	-773	-591	-602	-514	-894	-336	-824	-881	-748	-716	-727
Long Term												
Full Simulation Period[a]	-534	-468	-358	-268	-210	-204	-263	-363	-498	-533	-484	-439
Water Year Types[b]												
Wet (32%)	-473	-406	-161	-43	19	12	-34	-77	-256	-418	-397	-286
Above Normal (15%)	-511	-413	-301	-72	10	70	6	-162	-368	-428	-441	-484
Below Normal (17%)	-553	-491	-440	-404	-350	-334	-431	-518	-612	-619	-577	-587
Dry (22%)	-625	-554	-534	-490	-429	-423	-481	-635	-715	-661	-585	-544
Critical (15%)	-533	-503	-482	-458	-432	-466	-506	-592	-694	-597	-455	-394

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-2-5. Shasta Lake, End of Month Storage

Existing Condition

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,250	3,252	3,347	3,638	3,919	4,226	4,521	4,552	4,479	4,081	3,700	3,400
20%	3,250	3,250	3,327	3,552	3,803	4,123	4,456	4,552	4,353	3,960	3,664	3,400
30%	3,213	3,215	3,309	3,520	3,684	4,039	4,369	4,552	4,239	3,718	3,372	3,353
40%	3,146	3,153	3,276	3,401	3,635	3,992	4,295	4,463	4,052	3,532	3,213	3,167
50%	2,871	2,980	3,243	3,287	3,533	3,903	4,212	4,293	3,906	3,385	3,006	2,970
60%	2,722	2,760	3,004	3,167	3,417	3,757	4,082	4,152	3,691	3,188	2,843	2,821
70%	2,574	2,594	2,714	2,957	3,282	3,566	3,950	3,831	3,437	2,975	2,686	2,654
80%	2,111	2,264	2,294	2,683	3,019	3,376	3,758	3,622	3,205	2,630	2,226	2,198
90%	1,303	1,414	1,456	1,840	2,177	2,813	2,705	2,893	2,522	1,914	1,601	1,502
Long Term												
Full Simulation Period[a]	2,624	2,645	2,777	3,029	3,299	3,644	3,936	3,961	3,654	3,172	2,838	2,723
Water Year Types[b]												
Wet (32%)	2,908	3,007	3,185	3,430	3,642	3,862	4,317	4,470	4,289	3,880	3,526	3,317
Above Normal (15%)	2,578	2,571	2,741	3,185	3,453	3,959	4,399	4,474	4,129	3,570	3,235	3,197
Below Normal (17%)	2,662	2,668	2,727	3,023	3,365	3,736	4,099	4,110	3,776	3,267	2,932	2,872
Dry (22%)	2,581	2,570	2,719	2,893	3,261	3,731	3,872	3,778	3,390	2,882	2,542	2,455
Critical (15%)	2,072	2,020	2,074	2,215	2,382	2,616	2,554	2,443	2,060	1,568	1,287	1,189

Alternative 4 H1 (LLT)

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,200	3,241	3,349	3,639	3,852	4,198	4,478	4,552	4,276	3,682	3,276	3,214
20%	3,010	3,173	3,319	3,552	3,742	4,128	4,408	4,552	4,077	3,438	3,106	3,026
30%	2,822	3,003	3,266	3,495	3,671	4,020	4,323	4,355	3,923	3,246	2,868	2,803
40%	2,623	2,758	3,198	3,332	3,569	3,964	4,237	4,166	3,637	3,114	2,790	2,683
50%	2,364	2,524	2,866	3,252	3,447	3,811	4,113	4,003	3,470	2,889	2,539	2,459
60%	2,133	2,210	2,613	2,885	3,284	3,668	3,933	3,833	3,290	2,722	2,407	2,344
70%	1,999	2,015	2,291	2,664	3,147	3,416	3,649	3,539	3,082	2,502	2,267	2,217
80%	1,540	1,686	1,700	2,178	2,779	2,992	3,256	2,914	2,495	2,068	1,745	1,720
90%	653	653	875	1,355	1,504	1,914	2,436	2,145	1,637	1,194	894	790
Long Term												
Full Simulation Period[a]	2,223	2,314	2,540	2,850	3,165	3,510	3,751	3,687	3,244	2,711	2,402	2,327
Water Year Types[b]												
Wet (32%)	2,540	2,715	3,083	3,399	3,661	3,877	4,285	4,410	4,060	3,477	3,144	3,043
Above Normal (15%)	2,257	2,344	2,613	3,197	3,488	4,022	4,413	4,325	3,779	3,146	2,750	2,691
Below Normal (17%)	2,318	2,387	2,486	2,847	3,217	3,605	3,886	3,814	3,365	2,832	2,499	2,418
Dry (22%)	2,079	2,155	2,346	2,562	3,014	3,489	3,575	3,342	2,837	2,346	2,064	1,994
Critical (15%)	1,606	1,571	1,646	1,746	1,929	2,126	2,038	1,854	1,413	1,022	841	805

Alternative 4 H1 (LLT) minus Existing Condition

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-50	-11	2	1	-67	-27	-43	0	-203	-399	-424	-186
20%	-239	-77	-9	0	-61	6	-48	0	-275	-522	-558	-374
30%	-391	-212	-42	-25	-13	-19	-46	-197	-316	-473	-503	-550
40%	-523	-395	-77	-70	-66	-28	-58	-296	-415	-418	-423	-485
50%	-507	-456	-377	-35	-86	-92	-100	-290	-436	-495	-467	-511
60%	-589	-550	-392	-282	-132	-89	-149	-319	-400	-466	-435	-477
70%	-575	-579	-423	-293	-135	-150	-301	-292	-355	-473	-419	-437
80%	-571	-578	-594	-505	-241	-385	-502	-707	-711	-563	-481	-478
90%	-650	-761	-582	-485	-673	-899	-269	-749	-885	-720	-707	-712
Long Term												
Full Simulation Period[a]	-401	-331	-237	-179	-134	-133	-185	-273	-410	-462	-436	-396
Water Year Types[b]												
Wet (32%)	-368	-292	-101	-31	19	15	-32	-60	-229	-403	-382	-273
Above Normal (15%)	-321	-227	-128	12	36	62	14	-149	-350	-424	-485	-507
Below Normal (17%)	-343	-282	-241	-177	-148	-130	-213	-296	-411	-435	-433	-453
Dry (22%)	-503	-415	-373	-330	-246	-242	-297	-436	-553	-537	-477	-461
Critical (15%)	-466	-449	-428	-469	-453	-490	-517	-589	-647	-546	-447	-384

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-2-6. Shasta Lake, End of Month Storage

Existing Condition

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,250	3,252	3,347	3,638	3,919	4,226	4,521	4,552	4,479	4,081	3,700	3,400
20%	3,250	3,250	3,327	3,552	3,803	4,123	4,456	4,552	4,353	3,960	3,664	3,400
30%	3,213	3,215	3,309	3,520	3,684	4,039	4,369	4,552	4,239	3,718	3,372	3,353
40%	3,146	3,153	3,276	3,401	3,635	3,992	4,295	4,463	4,052	3,532	3,213	3,167
50%	2,871	2,980	3,243	3,287	3,533	3,903	4,212	4,293	3,906	3,385	3,006	2,970
60%	2,722	2,760	3,004	3,167	3,417	3,757	4,082	4,152	3,691	3,188	2,843	2,821
70%	2,574	2,594	2,714	2,957	3,282	3,566	3,950	3,831	3,437	2,975	2,686	2,654
80%	2,111	2,264	2,294	2,683	3,019	3,376	3,758	3,622	3,205	2,630	2,226	2,198
90%	1,303	1,414	1,456	1,840	2,177	2,813	2,705	2,893	2,522	1,914	1,601	1,502
Long Term												
Full Simulation Period[a]	2,624	2,645	2,777	3,029	3,299	3,644	3,936	3,961	3,654	3,172	2,838	2,723
Water Year Types[b]												
Wet (32%)	2,908	3,007	3,185	3,430	3,642	3,862	4,317	4,470	4,289	3,880	3,526	3,317
Above Normal (15%)	2,578	2,571	2,741	3,185	3,453	3,959	4,399	4,474	4,129	3,570	3,235	3,197
Below Normal (17%)	2,662	2,668	2,727	3,023	3,365	3,736	4,099	4,110	3,776	3,267	2,932	2,872
Dry (22%)	2,581	2,570	2,719	2,893	3,261	3,731	3,872	3,778	3,390	2,882	2,542	2,455
Critical (15%)	2,072	2,020	2,074	2,215	2,382	2,616	2,554	2,443	2,060	1,568	1,287	1,189

Alternative 4 H2 (LLT)

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,200	3,247	3,349	3,638	3,876	4,200	4,479	4,552	4,350	3,753	3,330	3,220
20%	3,011	3,177	3,315	3,552	3,760	4,128	4,392	4,552	4,141	3,574	3,192	3,108
30%	2,896	3,052	3,275	3,484	3,659	4,021	4,323	4,412	4,063	3,422	3,019	2,926
40%	2,649	2,846	3,214	3,350	3,565	3,971	4,241	4,195	3,765	3,181	2,847	2,711
50%	2,388	2,530	2,921	3,252	3,489	3,843	4,155	4,096	3,619	3,033	2,641	2,545
60%	2,146	2,276	2,622	2,966	3,297	3,704	3,959	3,937	3,454	2,891	2,469	2,404
70%	2,039	2,005	2,371	2,741	3,252	3,438	3,782	3,684	3,258	2,628	2,327	2,206
80%	1,644	1,728	1,928	2,283	2,852	3,181	3,492	3,201	2,709	2,203	1,787	1,736
90%	688	683	902	1,697	1,944	2,305	2,527	2,254	1,888	1,523	1,061	815
Long Term												
Full Simulation Period[a]	2,264	2,351	2,582	2,894	3,212	3,561	3,810	3,770	3,373	2,828	2,481	2,384
Water Year Types[b]												
Wet (32%)	2,569	2,736	3,081	3,406	3,661	3,877	4,285	4,424	4,119	3,545	3,184	3,077
Above Normal (15%)	2,229	2,311	2,592	3,185	3,483	4,022	4,420	4,349	3,914	3,277	2,849	2,780
Below Normal (17%)	2,362	2,419	2,542	2,888	3,283	3,675	3,966	3,950	3,560	3,027	2,640	2,497
Dry (22%)	2,141	2,212	2,429	2,624	3,074	3,549	3,655	3,455	2,981	2,444	2,094	2,019
Critical (15%)	1,708	1,687	1,770	1,908	2,091	2,303	2,219	2,035	1,586	1,171	981	899

Alternative 4 H2 (LLT) minus Existing Condition

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-50	-5	2	0	-43	-25	-42	0	-129	-328	-370	-180
20%	-239	-73	-12	0	-44	6	-64	0	-212	-386	-473	-292
30%	-316	-163	-34	-36	-25	-19	-45	-140	-177	-296	-352	-428
40%	-498	-308	-62	-51	-70	-21	-54	-268	-287	-352	-365	-456
50%	-483	-449	-322	-35	-43	-61	-57	-197	-287	-351	-365	-425
60%	-576	-484	-382	-202	-120	-53	-123	-215	-237	-297	-373	-417
70%	-536	-589	-344	-216	-30	-129	-168	-147	-179	-347	-360	-448
80%	-467	-536	-366	-401	-168	-195	-266	-421	-496	-427	-439	-462
90%	-614	-731	-554	-143	-233	-508	-178	-639	-634	-391	-540	-688
Long Term												
Full Simulation Period[a]	-359	-294	-194	-135	-87	-82	-126	-191	-281	-344	-358	-339
Water Year Types[b]												
Wet (32%)	-339	-272	-104	-24	19	15	-32	-45	-170	-334	-342	-240
Above Normal (15%)	-350	-260	-149	0	31	62	21	-126	-215	-293	-386	-418
Below Normal (17%)	-299	-249	-186	-135	-82	-61	-133	-161	-216	-241	-292	-374
Dry (22%)	-440	-358	-290	-269	-186	-182	-217	-324	-409	-438	-447	-435
Critical (15%)	-364	-333	-303	-307	-291	-313	-336	-408	-474	-396	-307	-290

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-2-7. Shasta Lake, End of Month Storage

Existing Condition

	End of Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	3,250	3,252	3,347	3,638	3,919	4,226	4,521	4,552	4,479	4,081	3,700	3,400
20%	3,250	3,250	3,327	3,552	3,803	4,123	4,456	4,552	4,353	3,960	3,664	3,400
30%	3,213	3,215	3,309	3,520	3,684	4,039	4,369	4,552	4,239	3,718	3,372	3,353
40%	3,146	3,153	3,276	3,401	3,635	3,992	4,295	4,463	4,052	3,532	3,213	3,167
50%	2,871	2,980	3,243	3,287	3,533	3,903	4,212	4,293	3,906	3,385	3,006	2,970
60%	2,722	2,760	3,004	3,167	3,417	3,757	4,082	4,152	3,691	3,188	2,843	2,821
70%	2,574	2,594	2,714	2,957	3,282	3,566	3,950	3,831	3,437	2,975	2,686	2,654
80%	2,111	2,264	2,294	2,683	3,019	3,376	3,758	3,622	3,205	2,630	2,226	2,198
90%	1,303	1,414	1,456	1,840	2,177	2,813	2,705	2,893	2,522	1,914	1,601	1,502
Long Term												
Full Simulation Period[a]	2,624	2,645	2,777	3,029	3,299	3,644	3,936	3,961	3,654	3,172	2,838	2,723
Water Year Types[b]												
Wet (32%)	2,908	3,007	3,185	3,430	3,642	3,862	4,317	4,470	4,289	3,880	3,526	3,317
Above Normal (15%)	2,578	2,571	2,741	3,185	3,453	3,959	4,399	4,474	4,129	3,570	3,235	3,197
Below Normal (17%)	2,662	2,668	2,727	3,023	3,365	3,736	4,099	4,110	3,776	3,267	2,932	2,872
Dry (22%)	2,581	2,570	2,719	2,893	3,261	3,731	3,872	3,778	3,390	2,882	2,542	2,455
Critical (15%)	2,072	2,020	2,074	2,215	2,382	2,616	2,554	2,443	2,060	1,568	1,287	1,189

Alternative 4 H3 (LLT)

	End of Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	2,900	3,006	3,319	3,615	3,848	4,197	4,479	4,552	4,290	3,696	3,294	2,917
20%	2,703	2,865	3,263	3,531	3,739	4,128	4,410	4,552	4,095	3,438	3,102	2,745
30%	2,603	2,620	3,077	3,367	3,643	4,020	4,305	4,339	3,922	3,245	2,860	2,680
40%	2,353	2,503	2,873	3,252	3,494	3,964	4,224	4,128	3,633	3,006	2,700	2,529
50%	2,261	2,300	2,708	3,078	3,433	3,754	4,084	4,001	3,419	2,881	2,564	2,383
60%	2,107	2,131	2,345	2,841	3,264	3,516	3,849	3,775	3,244	2,766	2,409	2,303
70%	1,898	1,971	2,176	2,505	3,030	3,416	3,542	3,452	3,026	2,527	2,279	2,102
80%	1,412	1,484	1,580	2,133	2,689	2,931	3,106	2,871	2,390	2,003	1,699	1,632
90%	604	669	845	1,149	1,417	1,900	2,438	2,134	1,631	1,173	897	730
Long Term												
Full Simulation Period[a]	2,079	2,145	2,414	2,772	3,113	3,470	3,711	3,651	3,214	2,688	2,384	2,181
Water Year Types[b]												
Wet (32%)	2,374	2,516	2,997	3,372	3,661	3,877	4,284	4,411	4,071	3,494	3,156	2,712
Above Normal (15%)	2,107	2,151	2,415	3,109	3,463	4,028	4,419	4,318	3,767	3,143	2,755	2,520
Below Normal (17%)	2,163	2,205	2,320	2,722	3,138	3,558	3,838	3,780	3,346	2,811	2,466	2,429
Dry (22%)	1,929	1,992	2,206	2,438	2,888	3,364	3,450	3,228	2,731	2,260	1,980	1,920
Critical (15%)	1,539	1,493	1,572	1,696	1,882	2,087	2,005	1,821	1,375	984	847	795

Alternative 4 H3 (LLT) minus Existing Condition

	End of Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	**-350**	**-246**	**-28**	**-24**	**-72**	**-29**	**-42**	0	**-189**	**-384**	**-406**	**-483**
20%	**-547**	**-386**	**-64**	**-21**	**-64**	6	**-45**	0	**-258**	**-522**	**-563**	**-655**
30%	**-610**	**-595**	**-231**	**-152**	**-41**	**-19**	**-64**	**-213**	**-317**	**-473**	**-512**	**-673**
40%	**-793**	**-650**	**-403**	**-149**	**-140**	**-28**	**-71**	**-335**	**-419**	**-526**	**-512**	**-639**
50%	**-610**	**-680**	**-535**	**-209**	**-99**	**-149**	**-128**	**-292**	**-487**	**-504**	**-442**	**-587**
60%	**-615**	**-629**	**-659**	**-326**	**-153**	**-241**	**-233**	**-377**	**-447**	**-422**	**-433**	**-518**
70%	**-676**	**-623**	**-538**	**-452**	**-252**	**-150**	**-409**	**-379**	**-411**	**-448**	**-407**	**-553**
80%	**-699**	**-780**	**-714**	**-551**	**-331**	**-445**	**-653**	**-751**	**-816**	**-627**	**-527**	**-565**
90%	**-699**	**-745**	**-611**	**-692**	**-760**	**-913**	**-267**	**-759**	**-891**	**-741**	**-704**	**-772**
Long Term												
Full Simulation Period[a]	**-544**	**-500**	**-363**	**-257**	**-186**	**-174**	**-225**	**-310**	**-440**	**-485**	**-455**	**-541**
Water Year Types[b]												
Wet (32%)	**-534**	**-492**	**-188**	**-58**	19	15	**-33**	**-59**	**-218**	**-386**	**-370**	**-604**
Above Normal (15%)	**-471**	**-420**	**-326**	**-76**	10	68	20	**-157**	**-362**	**-427**	**-480**	**-677**
Below Normal (17%)	**-498**	**-463**	**-407**	**-301**	**-227**	**-178**	**-261**	**-330**	**-429**	**-456**	**-467**	**-442**
Dry (22%)	**-652**	**-578**	**-514**	**-455**	**-373**	**-367**	**-422**	**-551**	**-659**	**-622**	**-561**	**-534**
Critical (15%)	**-533**	**-527**	**-502**	**-519**	**-500**	**-529**	**-549**	**-622**	**-684**	**-583**	**-440**	**-394**

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-2-8. Shasta Lake, End of Month Storage

Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,250	3,252	3,347	3,638	3,919	4,226	4,521	4,552	4,479	4,081	3,700	3,400
20%	3,250	3,250	3,327	3,552	3,803	4,123	4,456	4,552	4,353	3,960	3,664	3,400
30%	3,213	3,215	3,309	3,520	3,684	4,039	4,369	4,552	4,239	3,718	3,372	3,353
40%	3,146	3,153	3,276	3,401	3,635	3,992	4,295	4,463	4,052	3,532	3,213	3,167
50%	2,871	2,980	3,243	3,287	3,533	3,903	4,212	4,293	3,906	3,385	3,006	2,970
60%	2,722	2,760	3,004	3,167	3,417	3,757	4,082	4,152	3,691	3,188	2,843	2,821
70%	2,574	2,594	2,714	2,957	3,282	3,566	3,950	3,831	3,437	2,975	2,686	2,654
80%	2,111	2,264	2,294	2,683	3,019	3,376	3,758	3,622	3,205	2,630	2,226	2,198
90%	1,303	1,414	1,456	1,840	2,177	2,813	2,705	2,893	2,522	1,914	1,601	1,502
Long Term												
Full Simulation Period[a]	2,624	2,645	2,777	3,029	3,299	3,644	3,936	3,961	3,654	3,172	2,838	2,723
Water Year Types[b]												
Wet (32%)	2,908	3,007	3,185	3,430	3,642	3,862	4,317	4,470	4,289	3,880	3,526	3,317
Above Normal (15%)	2,578	2,571	2,741	3,185	3,453	3,959	4,399	4,474	4,129	3,570	3,235	3,197
Below Normal (17%)	2,662	2,668	2,727	3,023	3,365	3,736	4,099	4,110	3,776	3,267	2,932	2,872
Dry (22%)	2,581	2,570	2,719	2,893	3,261	3,731	3,872	3,778	3,390	2,882	2,542	2,455
Critical (15%)	2,072	2,020	2,074	2,215	2,382	2,616	2,554	2,443	2,060	1,568	1,287	1,189

Alternative 4 H4 (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,022	3,124	3,315	3,624	3,843	4,199	4,479	4,552	4,363	3,752	3,384	2,959
20%	2,771	2,907	3,254	3,530	3,730	4,124	4,404	4,552	4,128	3,519	3,182	2,805
30%	2,614	2,663	3,108	3,367	3,628	4,015	4,312	4,425	4,056	3,408	3,032	2,664
40%	2,423	2,457	2,881	3,252	3,511	3,965	4,228	4,249	3,777	3,163	2,814	2,582
50%	2,261	2,311	2,669	3,058	3,414	3,777	4,134	4,117	3,613	3,033	2,621	2,460
60%	2,108	2,094	2,445	2,820	3,266	3,568	3,855	3,890	3,438	2,850	2,465	2,262
70%	1,901	2,017	2,129	2,562	3,116	3,416	3,714	3,627	3,278	2,631	2,285	2,117
80%	1,638	1,676	1,890	2,269	2,813	3,072	3,200	3,089	2,657	2,268	1,762	1,764
90%	654	684	905	1,616	1,895	2,088	2,432	2,130	1,666	1,201	916	809
Long Term												
Full Simulation Period[a]	2,120	2,183	2,454	2,821	3,163	3,522	3,772	3,738	3,347	2,800	2,455	2,229
Water Year Types[b]												
Wet (32%)	2,380	2,525	2,994	3,373	3,661	3,877	4,282	4,425	4,126	3,548	3,189	2,723
Above Normal (15%)	2,106	2,123	2,384	3,079	3,446	4,029	4,424	4,360	3,914	3,286	2,854	2,576
Below Normal (17%)	2,231	2,270	2,401	2,801	3,216	3,635	3,945	3,936	3,543	3,003	2,631	2,560
Dry (22%)	1,985	2,047	2,277	2,515	2,966	3,435	3,538	3,356	2,909	2,391	2,035	1,960
Critical (15%)	1,643	1,605	1,684	1,853	2,034	2,247	2,162	1,973	1,519	1,073	892	831

Alternative 4 H4 (LLT) minus Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-228	-128	-32	-15	-76	-26	-42	0	-116	-329	-316	-441
20%	-479	-343	-74	-21	-73	1	-52	0	-224	-441	-483	-595
30%	-599	-552	-201	-152	-55	-24	-57	-127	-183	-310	-340	-689
40%	-724	-696	-394	-149	-124	-27	-67	-214	-275	-369	-398	-585
50%	-611	-669	-574	-228	-119	-127	-78	-176	-293	-352	-385	-510
60%	-614	-666	-559	-348	-151	-189	-227	-262	-252	-337	-378	-559
70%	-673	-578	-585	-395	-166	-150	-236	-204	-159	-344	-401	-537
80%	-473	-588	-405	-415	-206	-305	-558	-533	-548	-363	-464	-434
90%	-648	-730	-551	-225	-282	-725	-273	-763	-855	-713	-685	-694
Long Term												
Full Simulation Period[a]	-504	-462	-322	-208	-136	-121	-165	-222	-308	-372	-383	-493
Water Year Types[b]												
Wet (32%)	-528	-482	-190	-58	19	15	-35	-44	-162	-332	-337	-594
Above Normal (15%)	-472	-448	-357	-106	-7	69	25	-115	-215	-284	-381	-621
Below Normal (17%)	-431	-399	-326	-222	-149	-101	-154	-175	-233	-265	-301	-311
Dry (22%)	-596	-523	-443	-377	-295	-296	-334	-423	-482	-491	-507	-495
Critical (15%)	-429	-415	-389	-362	-348	-369	-392	-469	-540	-495	-395	-359

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-2-9. Shasta Lake, End of Month Storage

Existing Condition

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,250	3,252	3,347	3,638	3,919	4,226	4,521	4,552	4,479	4,081	3,700	3,400
20%	3,250	3,250	3,327	3,552	3,803	4,123	4,456	4,552	4,353	3,960	3,664	3,400
30%	3,213	3,215	3,309	3,520	3,684	4,039	4,369	4,552	4,239	3,718	3,372	3,353
40%	3,146	3,153	3,276	3,401	3,635	3,992	4,295	4,463	4,052	3,532	3,213	3,167
50%	2,871	2,980	3,243	3,287	3,533	3,903	4,212	4,293	3,906	3,385	3,006	2,970
60%	2,722	2,760	3,004	3,167	3,417	3,757	4,082	4,152	3,691	3,188	2,843	2,821
70%	2,574	2,594	2,714	2,957	3,282	3,566	3,950	3,831	3,437	2,975	2,686	2,654
80%	2,111	2,264	2,294	2,683	3,019	3,376	3,758	3,622	3,205	2,630	2,226	2,198
90%	1,303	1,414	1,456	1,840	2,177	2,813	2,705	2,893	2,522	1,914	1,601	1,502
Long Term												
Full Simulation Period[a]	2,624	2,645	2,777	3,029	3,299	3,644	3,936	3,961	3,654	3,172	2,838	2,723
Water Year Types[b]												
Wet (32%)	2,908	3,007	3,185	3,430	3,642	3,862	4,317	4,470	4,289	3,880	3,526	3,317
Above Normal (15%)	2,578	2,571	2,741	3,185	3,453	3,959	4,399	4,474	4,129	3,570	3,235	3,197
Below Normal (17%)	2,662	2,668	2,727	3,023	3,365	3,736	4,099	4,110	3,776	3,267	2,932	2,872
Dry (22%)	2,581	2,570	2,719	2,893	3,261	3,731	3,872	3,778	3,390	2,882	2,542	2,455
Critical (15%)	2,072	2,020	2,074	2,215	2,382	2,616	2,554	2,443	2,060	1,568	1,287	1,189

Alternative 5 (LLT)

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,914	2,988	3,319	3,601	3,843	4,162	4,479	4,552	4,356	3,756	3,284	2,922
20%	2,661	2,755	3,252	3,525	3,692	4,124	4,411	4,552	4,167	3,510	3,188	2,719
30%	2,536	2,551	3,023	3,364	3,621	4,020	4,306	4,378	3,990	3,304	2,933	2,619
40%	2,361	2,482	2,792	3,252	3,498	3,964	4,226	4,188	3,678	3,031	2,659	2,481
50%	2,248	2,233	2,668	3,041	3,396	3,754	4,088	4,048	3,435	2,862	2,532	2,381
60%	2,052	2,110	2,406	2,767	3,236	3,467	3,763	3,752	3,241	2,702	2,357	2,291
70%	1,783	1,892	2,117	2,433	3,042	3,415	3,547	3,424	3,070	2,507	2,228	2,102
80%	1,460	1,517	1,525	2,107	2,720	3,001	3,189	2,938	2,494	2,036	1,768	1,718
90%	698	699	874	1,372	1,558	1,932	2,335	2,046	1,565	1,196	929	814
Long Term												
Full Simulation Period[a]	2,058	2,116	2,399	2,759	3,113	3,472	3,715	3,670	3,251	2,706	2,395	2,189
Water Year Types[b]												
Wet (32%)	2,364	2,493	2,996	3,370	3,660	3,877	4,284	4,423	4,100	3,526	3,158	2,694
Above Normal (15%)	2,051	2,097	2,373	3,075	3,461	4,028	4,419	4,336	3,852	3,206	2,815	2,536
Below Normal (17%)	2,064	2,105	2,262	2,644	3,108	3,527	3,814	3,786	3,344	2,786	2,450	2,422
Dry (22%)	1,960	2,007	2,206	2,451	2,899	3,383	3,478	3,263	2,770	2,256	1,988	1,962
Critical (15%)	1,538	1,497	1,582	1,718	1,905	2,111	2,015	1,845	1,425	1,009	870	813

Alternative 5 (LLT) minus Existing Condition

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-336	-264	-28	-38	-77	-63	-42	0	-123	-325	-416	-478
20%	-589	-495	-75	-26	-111	1	-45	0	-186	-450	-477	-681
30%	-677	-664	-285	-156	-62	-19	-63	-174	-249	-414	-439	-734
40%	-785	-671	-484	-149	-137	-28	-69	-275	-374	-501	-553	-686
50%	-623	-747	-575	-246	-137	-149	-124	-245	-471	-523	-474	-589
60%	-670	-649	-598	-400	-180	-290	-319	-400	-450	-486	-486	-530
70%	-792	-702	-597	-524	-240	-151	-403	-408	-366	-468	-459	-553
80%	-651	-747	-769	-577	-299	-375	-569	-684	-711	-594	-458	-479
90%	-604	-715	-582	-468	-619	-880	-370	-848	-957	-718	-672	-689
Long Term												
Full Simulation Period[a]	-566	-529	-378	-270	-186	-171	-222	-291	-403	-467	-443	-534
Water Year Types[b]												
Wet (32%)	-544	-514	-188	-60	18	15	-33	-46	-189	-353	-368	-622
Above Normal (15%)	-528	-474	-368	-110	8	68	20	-138	-277	-364	-420	-661
Below Normal (17%)	-598	-563	-466	-380	-257	-208	-285	-324	-431	-482	-482	-449
Dry (22%)	-621	-563	-513	-441	-362	-349	-394	-515	-620	-627	-554	-492
Critical (15%)	-533	-522	-492	-497	-476	-505	-540	-598	-634	-558	-417	-376

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-2-10. Shasta Lake, End of Month Storage

Existing Condition

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,250	3,252	3,347	3,638	3,919	4,226	4,521	4,552	4,479	4,081	3,700	3,400
20%	3,250	3,250	3,327	3,552	3,803	4,123	4,456	4,552	4,353	3,960	3,664	3,400
30%	3,213	3,215	3,309	3,520	3,684	4,039	4,369	4,552	4,239	3,718	3,372	3,353
40%	3,146	3,153	3,276	3,401	3,635	3,992	4,295	4,463	4,052	3,532	3,213	3,167
50%	2,871	2,980	3,243	3,287	3,533	3,903	4,212	4,293	3,906	3,385	3,006	2,970
60%	2,722	2,760	3,004	3,167	3,417	3,757	4,082	4,152	3,691	3,188	2,843	2,821
70%	2,574	2,594	2,714	2,957	3,282	3,566	3,950	3,831	3,437	2,975	2,686	2,654
80%	2,111	2,264	2,294	2,683	3,019	3,376	3,758	3,622	3,205	2,630	2,226	2,198
90%	1,303	1,414	1,456	1,840	2,177	2,813	2,705	2,893	2,522	1,914	1,601	1,502
Long Term												
Full Simulation Period[a]	2,624	2,645	2,777	3,029	3,299	3,644	3,936	3,961	3,654	3,172	2,838	2,723
Water Year Types[b]												
Wet (32%)	2,908	3,007	3,185	3,430	3,642	3,862	4,317	4,470	4,289	3,880	3,526	3,317
Above Normal (15%)	2,578	2,571	2,741	3,185	3,453	3,959	4,399	4,474	4,129	3,570	3,235	3,197
Below Normal (17%)	2,662	2,668	2,727	3,023	3,365	3,736	4,099	4,110	3,776	3,267	2,932	2,872
Dry (22%)	2,581	2,570	2,719	2,893	3,261	3,731	3,872	3,778	3,390	2,882	2,542	2,455
Critical (15%)	2,072	2,020	2,074	2,215	2,382	2,616	2,554	2,443	2,060	1,568	1,287	1,189

Alternative 6A,6B,6C (LLT)

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,013	3,207	3,322	3,621	3,870	4,209	4,479	4,552	4,294	3,720	3,217	3,019
20%	2,865	2,854	3,283	3,530	3,742	4,128	4,416	4,552	4,177	3,570	3,160	2,911
30%	2,636	2,736	3,171	3,370	3,651	4,028	4,346	4,428	3,942	3,312	3,003	2,779
40%	2,559	2,560	2,977	3,254	3,524	3,981	4,265	4,269	3,793	3,175	2,856	2,695
50%	2,462	2,471	2,803	3,155	3,427	3,814	4,134	4,162	3,678	3,057	2,720	2,596
60%	2,292	2,386	2,566	2,944	3,292	3,617	3,988	3,956	3,441	2,870	2,591	2,460
70%	2,063	2,112	2,320	2,696	3,244	3,416	3,664	3,528	3,262	2,701	2,412	2,238
80%	1,675	1,565	1,708	2,470	2,713	2,974	3,176	3,087	2,739	2,166	1,902	1,827
90%	618	636	919	1,392	1,556	2,031	2,467	2,138	1,653	1,141	854	744
Long Term												
Full Simulation Period[a]	2,208	2,245	2,503	2,835	3,161	3,519	3,774	3,737	3,346	2,780	2,465	2,314
Water Year Types[b]												
Wet (32%)	2,532	2,659	3,069	3,382	3,661	3,877	4,290	4,411	4,107	3,507	3,119	2,787
Above Normal (15%)	2,275	2,284	2,541	3,154	3,474	4,034	4,425	4,363	3,907	3,285	2,936	2,743
Below Normal (17%)	2,182	2,198	2,361	2,769	3,160	3,579	3,893	3,892	3,510	2,952	2,634	2,601
Dry (22%)	2,086	2,103	2,333	2,556	3,006	3,474	3,578	3,406	2,971	2,406	2,114	2,082
Critical (15%)	1,653	1,577	1,658	1,829	1,995	2,224	2,156	1,969	1,507	1,057	908	873

Alternative 6A,6B,6C (LLT) minus Existing Condition

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-237	-45	-25	-17	-49	-16	-42	0	-185	-361	-483	-381
20%	-385	-397	-44	-21	-61	6	-40	0	-176	-390	-504	-489
30%	-577	-479	-138	-150	-32	-12	-23	-124	-298	-406	-369	-574
40%	-587	-593	-299	-148	-110	-11	-30	-194	-259	-357	-357	-473
50%	-409	-509	-440	-131	-106	-90	-78	-131	-228	-328	-285	-375
60%	-431	-374	-438	-223	-125	-140	-94	-196	-250	-318	-251	-361
70%	-511	-482	-394	-261	-38	-150	-286	-304	-175	-274	-274	-416
80%	-436	-699	-586	-213	-306	-402	-583	-535	-467	-464	-324	-371
90%	-685	-778	-538	-448	-621	-781	-238	-755	-869	-773	-747	-758
Long Term												
Full Simulation Period[a]	-415	-400	-274	-194	-138	-125	-162	-223	-308	-393	-373	-409
Water Year Types[b]												
Wet (32%)	-376	-348	-116	-48	19	15	-27	-59	-182	-373	-407	-530
Above Normal (15%)	-303	-287	-200	-31	21	75	27	-111	-222	-284	-299	-454
Below Normal (17%)	-480	-470	-366	-254	-205	-157	-206	-218	-265	-315	-298	-270
Dry (22%)	-495	-466	-386	-337	-255	-257	-294	-373	-419	-476	-428	-373
Critical (15%)	-418	-443	-416	-386	-387	-392	-398	-474	-552	-511	-379	-317

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-2-11. Shasta Lake, End of Month Storage

Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,250	3,252	3,347	3,638	3,919	4,226	4,521	4,552	4,479	4,081	3,700	3,400
20%	3,250	3,250	3,327	3,552	3,803	4,123	4,456	4,552	4,353	3,960	3,664	3,400
30%	3,213	3,215	3,309	3,520	3,684	4,039	4,369	4,552	4,239	3,718	3,372	3,353
40%	3,146	3,153	3,276	3,401	3,635	3,992	4,295	4,463	4,052	3,532	3,213	3,167
50%	2,871	2,980	3,243	3,287	3,533	3,903	4,212	4,293	3,906	3,385	3,006	2,970
60%	2,722	2,760	3,004	3,167	3,417	3,757	4,082	4,152	3,691	3,188	2,843	2,821
70%	2,574	2,594	2,714	2,957	3,282	3,566	3,950	3,831	3,437	2,975	2,686	2,654
80%	2,111	2,264	2,294	2,683	3,019	3,376	3,758	3,622	3,205	2,630	2,226	2,198
90%	1,303	1,414	1,456	1,840	2,177	2,813	2,705	2,893	2,522	1,914	1,601	1,502
Long Term												
Full Simulation Period[a]	2,624	2,645	2,777	3,029	3,299	3,644	3,936	3,961	3,654	3,172	2,838	2,723
Water Year Types[b]												
Wet (32%)	2,908	3,007	3,185	3,430	3,642	3,862	4,317	4,470	4,289	3,880	3,526	3,317
Above Normal (15%)	2,578	2,571	2,741	3,185	3,453	3,959	4,399	4,474	4,129	3,570	3,235	3,197
Below Normal (17%)	2,662	2,668	2,727	3,023	3,365	3,736	4,099	4,110	3,776	3,267	2,932	2,872
Dry (22%)	2,581	2,570	2,719	2,893	3,261	3,731	3,872	3,778	3,390	2,882	2,542	2,455
Critical (15%)	2,072	2,020	2,074	2,215	2,382	2,616	2,554	2,443	2,060	1,568	1,287	1,189

Alternative 7 (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,993	3,107	3,319	3,624	3,852	4,198	4,479	4,552	4,340	3,754	3,341	2,947
20%	2,748	2,820	3,267	3,539	3,742	4,124	4,425	4,552	4,134	3,523	3,182	2,805
30%	2,606	2,651	3,095	3,367	3,642	4,016	4,360	4,442	3,950	3,288	2,916	2,671
40%	2,358	2,494	2,897	3,252	3,524	3,964	4,262	4,283	3,767	3,128	2,767	2,581
50%	2,272	2,366	2,759	3,081	3,390	3,773	4,134	4,083	3,596	2,908	2,589	2,465
60%	2,165	2,195	2,413	2,846	3,284	3,504	3,983	3,896	3,390	2,794	2,480	2,337
70%	1,937	1,900	2,204	2,486	3,015	3,416	3,606	3,387	3,149	2,628	2,322	2,075
80%	1,486	1,479	1,733	2,295	2,660	2,941	3,152	3,010	2,548	1,956	1,720	1,713
90%	556	636	847	1,110	1,377	1,843	2,348	2,042	1,547	1,084	649	584
Long Term												
Full Simulation Period[a]	2,100	2,146	2,430	2,782	3,111	3,470	3,729	3,700	3,291	2,719	2,398	2,211
Water Year Types[b]												
Wet (32%)	2,411	2,550	3,021	3,369	3,661	3,877	4,290	4,428	4,086	3,502	3,165	2,732
Above Normal (15%)	2,163	2,188	2,489	3,146	3,467	4,028	4,420	4,348	3,858	3,187	2,818	2,586
Below Normal (17%)	2,152	2,174	2,328	2,728	3,116	3,538	3,861	3,861	3,468	2,872	2,509	2,489
Dry (22%)	1,968	1,994	2,224	2,460	2,914	3,384	3,498	3,347	2,907	2,324	1,981	1,938
Critical (15%)	1,501	1,429	1,517	1,691	1,851	2,084	2,018	1,816	1,369	967	811	795

Alternative 7 (LLT) minus Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-257	-145	-28	-15	-67	-27	-42	0	-139	-326	-359	-453
20%	-502	-430	-61	-13	-61	1	-31	0	-219	-437	-482	-595
30%	-607	-564	-214	-152	-42	-23	-9	-110	-290	-430	-455	-682
40%	-789	-659	-379	-149	-110	-28	-34	-180	-285	-405	-445	-587
50%	-599	-613	-484	-205	-143	-130	-78	-210	-310	-477	-417	-505
60%	-558	-565	-592	-321	-132	-253	-99	-256	-300	-393	-363	-484
70%	-638	-694	-511	-471	-267	-150	-344	-444	-287	-347	-364	-579
80%	-625	-785	-561	-388	-359	-435	-607	-612	-658	-674	-506	-484
90%	-746	-779	-609	-730	-800	-970	-357	-851	-975	-830	-952	-918
Long Term												
Full Simulation Period[a]	-524	-499	-347	-247	-188	-173	-207	-261	-364	-453	-441	-511
Water Year Types[b]												
Wet (32%)	-497	-458	-163	-61	19	15	-27	-42	-203	-377	-361	-585
Above Normal (15%)	-416	-383	-251	-40	14	68	22	-126	-271	-383	-417	-611
Below Normal (17%)	-509	-495	-399	-295	-249	-198	-238	-249	-308	-395	-424	-382
Dry (22%)	-614	-576	-495	-433	-347	-348	-374	-431	-483	-558	-560	-517
Critical (15%)	-570	-591	-556	-524	-531	-532	-537	-627	-690	-600	-476	-395

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-2-12. Shasta Lake, End of Month Storage

Existing Condition

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,250	3,252	3,347	3,638	3,919	4,226	4,521	4,552	4,479	4,081	3,700	3,400
20%	3,250	3,250	3,327	3,552	3,803	4,123	4,456	4,552	4,353	3,960	3,664	3,400
30%	3,213	3,215	3,309	3,520	3,684	4,039	4,369	4,552	4,239	3,718	3,372	3,353
40%	3,146	3,153	3,276	3,401	3,635	3,992	4,295	4,463	4,052	3,532	3,213	3,167
50%	2,871	2,980	3,243	3,287	3,533	3,903	4,212	4,293	3,906	3,385	3,006	2,970
60%	2,722	2,760	3,004	3,167	3,417	3,757	4,082	4,152	3,691	3,188	2,843	2,821
70%	2,574	2,594	2,714	2,957	3,282	3,566	3,950	3,831	3,437	2,975	2,686	2,654
80%	2,111	2,264	2,294	2,683	3,019	3,376	3,758	3,622	3,205	2,630	2,226	2,198
90%	1,303	1,414	1,456	1,840	2,177	2,813	2,705	2,893	2,522	1,914	1,601	1,502
Long Term												
Full Simulation Period[a]	2,624	2,645	2,777	3,029	3,299	3,644	3,936	3,961	3,654	3,172	2,838	2,723
Water Year Types[b]												
Wet (32%)	2,908	3,007	3,185	3,430	3,642	3,862	4,317	4,470	4,289	3,880	3,526	3,317
Above Normal (15%)	2,578	2,571	2,741	3,185	3,453	3,959	4,399	4,474	4,129	3,570	3,235	3,197
Below Normal (17%)	2,662	2,668	2,727	3,023	3,365	3,736	4,099	4,110	3,776	3,267	2,932	2,872
Dry (22%)	2,581	2,570	2,719	2,893	3,261	3,731	3,872	3,778	3,390	2,882	2,542	2,455
Critical (15%)	2,072	2,020	2,074	2,215	2,382	2,616	2,554	2,443	2,060	1,568	1,287	1,189

Alternative 8 (LLT)

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,983	3,091	3,319	3,615	3,842	4,150	4,457	4,552	4,210	3,513	3,367	3,024
20%	2,854	2,934	3,279	3,525	3,693	4,031	4,288	4,378	3,913	3,414	3,174	2,888
30%	2,707	2,799	3,234	3,367	3,649	3,984	4,194	4,124	3,672	3,316	3,026	2,770
40%	2,544	2,655	2,991	3,292	3,511	3,946	4,083	3,933	3,414	3,028	2,812	2,597
50%	2,405	2,462	2,774	3,168	3,426	3,698	3,915	3,650	3,380	2,845	2,606	2,514
60%	2,225	2,329	2,538	2,914	3,265	3,505	3,579	3,472	3,194	2,748	2,526	2,429
70%	2,000	1,992	2,327	2,592	3,012	3,416	3,414	3,377	2,923	2,572	2,221	2,183
80%	1,700	1,715	1,824	2,184	2,790	3,032	3,265	3,135	2,668	2,115	1,734	1,713
90%	576	720	1,038	1,555	1,687	2,105	2,449	2,111	1,504	1,070	668	574
Long Term												
Full Simulation Period[a]	2,216	2,272	2,528	2,832	3,148	3,466	3,638	3,548	3,158	2,696	2,434	2,284
Water Year Types[b]												
Wet (32%)	2,585	2,718	3,114	3,397	3,658	3,870	4,240	4,305	3,951	3,477	3,211	2,840
Above Normal (15%)	2,184	2,218	2,539	3,135	3,481	4,019	4,306	4,122	3,655	3,164	2,903	2,709
Below Normal (17%)	2,228	2,259	2,389	2,720	3,139	3,501	3,625	3,504	3,192	2,764	2,515	2,519
Dry (22%)	2,067	2,111	2,344	2,565	2,969	3,334	3,343	3,188	2,806	2,307	1,973	1,977
Critical (15%)	1,658	1,615	1,687	1,834	1,987	2,195	2,122	1,927	1,430	1,039	877	844

Alternative 8 (LLT) minus Existing Condition

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-267	-161	-28	-24	-78	-76	-64	0	-269	-567	-333	-376
20%	-396	-317	-48	-26	-110	-91	-168	-174	-439	-546	-491	-512
30%	-506	-416	-75	-152	-35	-55	-175	-428	-567	-402	-346	-583
40%	-602	-498	-284	-109	-124	-46	-212	-529	-638	-504	-400	-570
50%	-467	-518	-469	-119	-107	-205	-297	-643	-526	-539	-399	-456
60%	-497	-431	-466	-253	-152	-252	-503	-680	-496	-440	-316	-392
70%	-574	-602	-388	-364	-270	-150	-536	-454	-513	-404	-465	-472
80%	-411	-549	-470	-499	-229	-344	-493	-486	-537	-515	-492	-485
90%	-726	-694	-418	-286	-490	-708	-256	-783	-1,017	-844	-933	-928
Long Term												
Full Simulation Period[a]	-408	-373	-249	-197	-151	-178	-298	-412	-496	-477	-405	-438
Water Year Types[b]												
Wet (32%)	-323	-290	-71	-33	16	9	-77	-165	-338	-403	-315	-477
Above Normal (15%)	-394	-353	-202	-50	28	59	-93	-352	-474	-406	-333	-489
Below Normal (17%)	-434	-410	-338	-303	-226	-235	-474	-606	-584	-503	-417	-353
Dry (22%)	-514	-459	-375	-328	-292	-397	-530	-590	-584	-576	-569	-478
Critical (15%)	-414	-404	-386	-381	-395	-421	-432	-516	-629	-528	-411	-345

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-2-13. Shasta Lake, End of Month Storage

Existing Condition

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,250	3,252	3,347	3,638	3,919	4,226	4,521	4,552	4,479	4,081	3,700	3,400
20%	3,250	3,250	3,327	3,552	3,803	4,123	4,456	4,552	4,353	3,960	3,664	3,400
30%	3,213	3,215	3,309	3,520	3,684	4,039	4,369	4,552	4,239	3,718	3,372	3,353
40%	3,146	3,153	3,276	3,401	3,635	3,992	4,295	4,463	4,052	3,532	3,213	3,167
50%	2,871	2,980	3,243	3,287	3,533	3,903	4,212	4,293	3,906	3,385	3,006	2,970
60%	2,722	2,760	3,004	3,167	3,417	3,757	4,082	4,152	3,691	3,188	2,843	2,821
70%	2,574	2,594	2,714	2,957	3,282	3,566	3,950	3,831	3,437	2,975	2,686	2,654
80%	2,111	2,264	2,294	2,683	3,019	3,376	3,758	3,622	3,205	2,630	2,226	2,198
90%	1,303	1,414	1,456	1,840	2,177	2,813	2,705	2,893	2,522	1,914	1,601	1,502
Long Term												
Full Simulation Period[a]	2,624	2,645	2,777	3,029	3,299	3,644	3,936	3,961	3,654	3,172	2,838	2,723
Water Year Types[b]												
Wet (32%)	2,908	3,007	3,185	3,430	3,642	3,862	4,317	4,470	4,289	3,880	3,526	3,317
Above Normal (15%)	2,578	2,571	2,741	3,185	3,453	3,959	4,399	4,474	4,129	3,570	3,235	3,197
Below Normal (17%)	2,662	2,668	2,727	3,023	3,365	3,736	4,099	4,110	3,776	3,267	2,932	2,872
Dry (22%)	2,581	2,570	2,719	2,893	3,261	3,731	3,872	3,778	3,390	2,882	2,542	2,455
Critical (15%)	2,072	2,020	2,074	2,215	2,382	2,616	2,554	2,443	2,060	1,568	1,287	1,189

Alternative 9 (LLT)

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,031	3,122	3,303	3,621	3,832	4,181	4,479	4,552	4,386	3,755	3,401	2,973
20%	2,775	2,740	3,252	3,525	3,742	4,116	4,398	4,552	4,220	3,609	3,291	2,828
30%	2,623	2,564	3,168	3,364	3,644	4,020	4,322	4,473	4,061	3,440	3,102	2,730
40%	2,516	2,423	2,809	3,252	3,511	3,964	4,227	4,243	3,768	3,162	2,830	2,624
50%	2,322	2,319	2,661	3,045	3,357	3,773	4,123	3,997	3,559	2,996	2,674	2,455
60%	2,184	2,235	2,468	2,822	3,252	3,474	3,903	3,805	3,349	2,800	2,459	2,299
70%	1,897	2,022	2,192	2,498	3,133	3,394	3,577	3,412	3,113	2,535	2,264	2,036
80%	1,535	1,424	1,682	2,280	2,763	3,136	3,177	2,920	2,490	1,902	1,640	1,644
90%	653	674	984	1,271	1,492	2,154	2,368	2,082	1,708	1,208	901	793
Long Term												
Full Simulation Period[a]	2,145	2,149	2,426	2,786	3,133	3,494	3,735	3,684	3,298	2,765	2,448	2,235
Water Year Types[b]												
Wet (32%)	2,421	2,507	3,003	3,373	3,657	3,875	4,281	4,433	4,149	3,580	3,249	2,780
Above Normal (15%)	2,167	2,128	2,405	3,057	3,438	4,025	4,418	4,388	3,911	3,272	2,906	2,629
Below Normal (17%)	2,283	2,224	2,349	2,754	3,189	3,609	3,912	3,861	3,481	2,951	2,622	2,538
Dry (22%)	1,997	2,026	2,250	2,494	2,949	3,414	3,485	3,219	2,763	2,256	1,935	1,918
Critical (15%)	1,584	1,492	1,551	1,718	1,904	2,125	2,036	1,851	1,433	1,039	820	780

Alternative 9 (LLT) minus Existing Condition

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-219	-130	-44	-17	-87	-45	-42	0	-93	-326	-299	-427
20%	-475	-510	-75	-26	-61	-7	-58	0	-133	-351	-373	-572
30%	-590	-651	-141	-156	-39	-19	-47	-79	-178	-278	-270	-623
40%	-630	-730	-467	-149	-124	-28	-68	-219	-284	-370	-383	-544
50%	-549	-661	-583	-241	-176	-130	-90	-296	-347	-389	-331	-515
60%	-538	-525	-536	-345	-165	-283	-179	-347	-342	-387	-384	-522
70%	-677	-572	-522	-458	-150	-172	-373	-419	-324	-441	-422	-618
80%	-576	-841	-613	-403	-256	-240	-581	-702	-715	-728	-586	-553
90%	-649	-740	-472	-569	-685	-659	-337	-811	-814	-706	-700	-709
Long Term												
Full Simulation Period[a]	-479	-496	-351	-243	-166	-150	-201	-276	-356	-408	-391	-488
Water Year Types[b]												
Wet (32%)	-487	-500	-182	-57	15	13	-36	-37	-140	-299	-277	-537
Above Normal (15%)	-411	-443	-336	-128	-14	66	20	-87	-218	-298	-329	-568
Below Normal (17%)	-378	-445	-378	-269	-176	-127	-187	-249	-294	-316	-310	-333
Dry (22%)	-584	-544	-469	-399	-312	-318	-387	-559	-627	-627	-607	-537
Critical (15%)	-488	-528	-523	-497	-478	-491	-518	-591	-627	-529	-467	-409

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-2-14. Shasta Lake, End of Month Storage

No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,054	3,093	3,304	3,608	3,831	4,180	4,478	4,552	4,403	3,754	3,348	3,035
20%	2,728	2,749	3,252	3,530	3,730	4,107	4,403	4,552	4,173	3,568	3,273	2,848
30%	2,605	2,520	3,045	3,364	3,646	4,007	4,347	4,475	4,085	3,450	3,033	2,695
40%	2,495	2,461	2,783	3,252	3,494	3,959	4,227	4,293	3,817	3,151	2,806	2,601
50%	2,302	2,339	2,610	3,030	3,359	3,754	4,113	4,099	3,642	3,041	2,665	2,436
60%	2,143	2,176	2,423	2,785	3,261	3,490	3,880	3,830	3,406	2,813	2,454	2,331
70%	1,867	1,948	2,118	2,541	2,984	3,416	3,581	3,604	3,129	2,561	2,222	2,018
80%	1,599	1,558	1,693	2,082	2,771	2,985	3,214	2,984	2,586	2,054	1,776	1,754
90%	618	655	889	1,467	1,756	2,075	2,104	2,034	1,663	1,180	894	803
Long Term												
Full Simulation Period[a]	2,128	2,141	2,415	2,774	3,129	3,488	3,738	3,720	3,330	2,771	2,438	2,242
Water Year Types[b]												
Wet (32%)	2,412	2,501	2,975	3,365	3,657	3,877	4,283	4,436	4,150	3,568	3,224	2,805
Above Normal (15%)	2,153	2,111	2,389	3,057	3,444	4,007	4,416	4,388	3,930	3,273	2,857	2,582
Below Normal (17%)	2,199	2,175	2,310	2,730	3,195	3,611	3,914	3,912	3,517	2,954	2,599	2,518
Dry (22%)	2,028	2,044	2,262	2,478	2,929	3,400	3,501	3,334	2,882	2,336	1,969	1,944
Critical (15%)	1,556	1,493	1,577	1,702	1,893	2,113	2,030	1,859	1,409	980	832	805

Alternative 1A,1B,1C (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,147	3,249	3,327	3,620	3,847	4,170	4,479	4,552	4,261	3,682	3,277	3,156
20%	2,813	3,011	3,267	3,546	3,730	4,124	4,386	4,535	4,052	3,458	3,108	3,032
30%	2,655	2,858	3,151	3,460	3,634	4,007	4,290	4,328	3,857	3,204	2,853	2,784
40%	2,431	2,572	2,994	3,332	3,524	3,952	4,177	4,087	3,543	2,986	2,680	2,653
50%	2,147	2,258	2,694	3,250	3,408	3,801	4,064	3,847	3,353	2,854	2,558	2,477
60%	1,933	2,006	2,419	2,731	3,252	3,498	3,762	3,700	3,137	2,583	2,343	2,312
70%	1,772	1,795	2,078	2,407	2,978	3,373	3,454	3,292	2,859	2,407	2,096	2,147
80%	1,356	1,375	1,458	1,951	2,568	2,866	3,005	2,849	2,350	2,012	1,712	1,629
90%	634	636	865	1,152	1,667	1,867	2,264	1,983	1,614	1,160	859	751
Long Term												
Full Simulation Period[a]	2,081	2,165	2,413	2,755	3,086	3,440	3,664	3,588	3,144	2,636	2,355	2,284
Water Year Types[b]												
Wet (32%)	2,427	2,582	2,998	3,370	3,661	3,874	4,278	4,385	4,017	3,453	3,124	3,026
Above Normal (15%)	2,103	2,194	2,468	3,145	3,449	4,029	4,400	4,306	3,744	3,127	2,783	2,714
Below Normal (17%)	2,094	2,159	2,277	2,588	3,010	3,397	3,660	3,592	3,164	2,680	2,377	2,304
Dry (22%)	1,936	2,003	2,205	2,413	2,851	3,330	3,384	3,132	2,656	2,208	1,952	1,900
Critical (15%)	1,509	1,483	1,562	1,740	1,918	2,124	2,022	1,824	1,358	968	836	802

Alternative 1A,1B,1C (LLT) minus No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	93	156	23	12	16	-10	1	0	-142	-72	-72	121
20%	86	262	15	15	0	17	-17	-17	-121	-110	-165	184
30%	50	338	106	96	-12	0	-57	-148	-228	-246	-180	89
40%	-63	112	211	80	31	-7	-49	-206	-273	-166	-127	52
50%	-155	-80	84	220	49	47	-49	-252	-289	-187	-106	41
60%	-210	-171	-4	-54	-9	7	-117	-130	-270	-230	-111	-19
70%	-95	-153	-40	-134	-6	-43	-126	-312	-270	-154	-126	129
80%	-244	-183	-235	-131	-202	-119	-209	-136	-236	-42	-64	-124
90%	16	-19	-23	-316	-89	-208	160	-51	-49	-20	-35	-53
Long Term												
Full Simulation Period[a]	-48	25	-1	-19	-43	-48	-74	-132	-187	-134	-84	43
Water Year Types[b]												
Wet (32%)	15	81	23	4	4	-3	-5	-51	-133	-115	-100	221
Above Normal (15%)	-50	83	79	88	5	23	-15	-82	-186	-145	-74	132
Below Normal (17%)	-105	-16	-33	-142	-185	-214	-254	-320	-353	-274	-222	-214
Dry (22%)	-92	-41	-56	-65	-78	-70	-117	-202	-226	-128	-17	-44
Critical (15%)	-47	-10	-15	38	25	11	-7	-35	-51	-12	4	-3

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-2-15. Shasta Lake, End of Month Storage

No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	3,054	3,093	3,304	3,608	3,831	4,180	4,478	4,552	4,403	3,754	3,348	3,035
20%	2,728	2,749	3,252	3,530	3,730	4,107	4,403	4,552	4,173	3,568	3,273	2,848
30%	2,605	2,520	3,045	3,364	3,646	4,007	4,347	4,475	4,085	3,450	3,033	2,695
40%	2,495	2,461	2,783	3,252	3,494	3,959	4,227	4,293	3,817	3,151	2,806	2,601
50%	2,302	2,339	2,610	3,030	3,359	3,754	4,113	4,099	3,642	3,041	2,665	2,436
60%	2,143	2,176	2,423	2,785	3,261	3,490	3,880	3,830	3,406	2,813	2,454	2,331
70%	1,867	1,948	2,118	2,541	2,984	3,416	3,581	3,604	3,129	2,561	2,222	2,018
80%	1,599	1,558	1,693	2,082	2,771	2,985	3,214	2,984	2,586	2,054	1,776	1,754
90%	618	655	889	1,467	1,756	2,075	2,104	2,034	1,663	1,180	894	803
Long Term												
Full Simulation Period[a]	2,128	2,141	2,415	2,774	3,129	3,488	3,738	3,720	3,330	2,771	2,438	2,242
Water Year Types[b]												
Wet (32%)	2,412	2,501	2,975	3,365	3,657	3,877	4,283	4,436	4,150	3,568	3,224	2,805
Above Normal (15%)	2,153	2,111	2,389	3,057	3,444	4,007	4,416	4,388	3,930	3,273	2,857	2,582
Below Normal (17%)	2,199	2,175	2,310	2,730	3,195	3,611	3,914	3,912	3,517	2,954	2,599	2,518
Dry (22%)	2,028	2,044	2,262	2,478	2,929	3,400	3,501	3,334	2,882	2,336	1,969	1,944
Critical (15%)	1,556	1,493	1,577	1,702	1,893	2,113	2,030	1,859	1,409	980	832	805

Alternative 2A,2B,2C (LLT)

	End of Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	2,987	3,057	3,319	3,615	3,843	4,162	4,479	4,552	4,242	3,705	3,328	2,909
20%	2,750	2,830	3,267	3,530	3,730	4,124	4,411	4,549	4,047	3,429	3,107	2,758
30%	2,590	2,645	3,042	3,367	3,622	4,020	4,298	4,298	3,888	3,244	2,883	2,660
40%	2,383	2,517	2,872	3,252	3,514	3,964	4,221	4,141	3,605	3,067	2,749	2,572
50%	2,230	2,321	2,717	3,066	3,427	3,754	4,084	4,002	3,451	2,869	2,551	2,385
60%	2,056	2,101	2,405	2,787	3,282	3,509	3,876	3,784	3,185	2,724	2,416	2,314
70%	1,874	1,877	2,139	2,491	2,953	3,416	3,553	3,360	3,004	2,523	2,221	2,087
80%	1,423	1,390	1,510	2,018	2,676	2,757	3,075	2,843	2,432	1,967	1,690	1,620
90%	592	666	821	1,137	1,422	1,900	2,424	2,109	1,617	1,174	895	687
Long Term												
Full Simulation Period[a]	2,066	2,132	2,394	2,755	3,100	3,453	3,695	3,628	3,186	2,673	2,377	2,180
Water Year Types[b]												
Wet (32%)	2,362	2,509	2,993	3,366	3,661	3,876	4,283	4,397	4,040	3,481	3,154	2,715
Above Normal (15%)	2,104	2,138	2,413	3,104	3,472	4,028	4,419	4,313	3,752	3,143	2,777	2,537
Below Normal (17%)	2,137	2,188	2,290	2,686	3,101	3,517	3,800	3,742	3,307	2,781	2,458	2,426
Dry (22%)	1,909	1,966	2,172	2,413	2,863	3,333	3,420	3,189	2,709	2,233	1,950	1,905
Critical (15%)	1,539	1,490	1,534	1,675	1,865	2,068	1,986	1,802	1,348	987	842	792

Alternative 2A,2B,2C (LLT) minus No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	**-67**	**-35**	15	7	11	**-17**	1	0	**-161**	**-49**	**-21**	**-126**
20%	22	81	15	0	0	17	8	**-3**	**-126**	**-139**	**-166**	**-91**
30%	**-16**	125	**-3**	4	**-25**	13	**-49**	**-177**	**-197**	**-206**	**-150**	**-34**
40%	**-112**	56	89	0	20	5	**-6**	**-152**	**-212**	**-84**	**-57**	**-28**
50%	**-72**	**-18**	108	36	68	0	**-29**	**-97**	**-191**	**-172**	**-114**	**-51**
60%	**-87**	**-75**	**-18**	2	21	19	**-4**	**-45**	**-221**	**-89**	**-38**	**-17**
70%	7	**-70**	21	**-50**	**-31**	**0**	**-28**	**-244**	**-125**	**-37**	**-1**	69
80%	**-177**	**-168**	**-182**	**-65**	**-95**	**-228**	**-139**	**-142**	**-154**	**-87**	**-86**	**-133**
90%	**-25**	11	**-68**	**-330**	**-334**	**-175**	320	75	**-45**	**-6**	0	**-116**
Long Term												
Full Simulation Period[a]	**-62**	**-9**	**-20**	**-19**	**-29**	**-35**	**-43**	**-93**	**-144**	**-98**	**-61**	**-61**
Water Year Types[b]												
Wet (32%)	**-50**	8	18	1	4	**-1**	0	**-39**	**-111**	**-87**	**-70**	**-91**
Above Normal (15%)	**-49**	27	24	46	28	21	3	**-75**	**-178**	**-130**	**-80**	**-45**
Below Normal (17%)	**-62**	13	**-20**	**-43**	**-94**	**-94**	**-115**	**-170**	**-210**	**-173**	**-141**	**-91**
Dry (22%)	**-119**	**-78**	**-90**	**-65**	**-66**	**-68**	**-82**	**-145**	**-174**	**-103**	**-19**	**-39**
Critical (15%)	**-17**	**-3**	**-43**	**-27**	**-28**	**-45**	**-43**	**-58**	**-61**	7	11	**-13**

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-2-16. Shasta Lake, End of Month Storage

No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	3,054	3,093	3,304	3,608	3,831	4,180	4,478	4,552	4,403	3,754	3,348	3,035
20%	2,728	2,749	3,252	3,530	3,730	4,107	4,403	4,552	4,173	3,568	3,273	2,848
30%	2,605	2,520	3,045	3,364	3,646	4,007	4,347	4,475	4,085	3,450	3,033	2,695
40%	2,495	2,461	2,783	3,252	3,494	3,959	4,227	4,293	3,817	3,151	2,806	2,601
50%	2,302	2,339	2,610	3,030	3,359	3,754	4,113	4,099	3,642	3,041	2,665	2,436
60%	2,143	2,176	2,423	2,785	3,261	3,490	3,880	3,830	3,406	2,813	2,454	2,331
70%	1,867	1,948	2,118	2,541	2,984	3,416	3,581	3,604	3,129	2,561	2,222	2,018
80%	1,599	1,558	1,693	2,082	2,771	2,985	3,214	2,984	2,586	2,054	1,776	1,754
90%	618	655	889	1,467	1,756	2,075	2,104	2,034	1,663	1,180	894	803
Long Term												
Full Simulation Period[a]	2,128	2,141	2,415	2,774	3,129	3,488	3,738	3,720	3,330	2,771	2,438	2,242
Water Year Types[b]												
Wet (32%)	2,412	2,501	2,975	3,365	3,657	3,877	4,283	4,436	4,150	3,568	3,224	2,805
Above Normal (15%)	2,153	2,111	2,389	3,057	3,444	4,007	4,416	4,388	3,930	3,273	2,857	2,582
Below Normal (17%)	2,199	2,175	2,310	2,730	3,195	3,611	3,914	3,912	3,517	2,954	2,599	2,518
Dry (22%)	2,028	2,044	2,262	2,478	2,929	3,400	3,501	3,334	2,882	2,336	1,969	1,944
Critical (15%)	1,556	1,493	1,577	1,702	1,893	2,113	2,030	1,859	1,409	980	832	805

Alternative 3 (LLT)

	End of Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	3,144	3,247	3,327	3,621	3,852	4,170	4,479	4,552	4,256	3,685	3,277	3,196
20%	2,815	3,062	3,267	3,547	3,730	4,124	4,389	4,547	4,052	3,441	3,114	3,036
30%	2,661	2,818	3,192	3,441	3,636	4,014	4,290	4,327	3,871	3,203	2,850	2,770
40%	2,436	2,599	2,955	3,319	3,511	3,964	4,180	4,121	3,574	2,996	2,698	2,600
50%	2,168	2,271	2,711	3,223	3,435	3,781	4,066	3,871	3,369	2,807	2,532	2,424
60%	1,994	2,049	2,415	2,798	3,252	3,463	3,875	3,683	3,141	2,583	2,356	2,318
70%	1,796	1,847	2,103	2,426	2,944	3,249	3,417	3,295	2,833	2,395	2,129	2,152
80%	1,170	1,460	1,291	1,950	2,507	2,792	2,942	2,803	2,443	2,030	1,679	1,605
90%	648	641	865	1,238	1,663	1,919	2,368	2,070	1,640	1,166	885	775
Long Term												
Full Simulation Period[a]	2,089	2,177	2,419	2,761	3,089	3,440	3,673	3,598	3,156	2,639	2,354	2,284
Water Year Types[b]												
Wet (32%)	2,435	2,601	3,023	3,387	3,661	3,874	4,283	4,392	4,033	3,461	3,129	3,031
Above Normal (15%)	2,068	2,159	2,440	3,113	3,463	4,029	4,405	4,313	3,761	3,142	2,794	2,713
Below Normal (17%)	2,109	2,178	2,287	2,619	3,015	3,402	3,668	3,592	3,164	2,648	2,355	2,285
Dry (22%)	1,957	2,016	2,186	2,402	2,832	3,309	3,392	3,144	2,675	2,221	1,957	1,911
Critical (15%)	1,539	1,517	1,591	1,757	1,950	2,150	2,049	1,850	1,365	970	832	795

Alternative 3 (LLT) minus No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	90	154	23	13	21	**-9**	1	0	**-147**	**-69**	**-72**	161
20%	87	313	15	17	0	17	**-14**	**-5**	**-121**	**-127**	**-159**	188
30%	56	298	146	78	**-10**	7	**-57**	**-148**	**-215**	**-247**	**-183**	76
40%	**-58**	138	171	67	17	5	**-46**	**-172**	**-243**	**-155**	**-109**	**-1**
50%	**-134**	**-67**	101	193	76	27	**-47**	**-228**	**-273**	**-234**	**-133**	**-12**
60%	**-149**	**-127**	**-9**	13	**-9**	**-28**	**-5**	**-147**	**-266**	**-230**	**-98**	**-12**
70%	**-70**	**-101**	**-15**	**-114**	**-40**	**-167**	**-164**	**-309**	**-297**	**-166**	**-93**	134
80%	**-429**	**-98**	**-402**	**-132**	**-263**	**-193**	**-272**	**-181**	**-143**	**-24**	**-97**	**-149**
90%	31	**-14**	**-23**	**-229**	**-93**	**-156**	265	36	**-22**	**-13**	**-10**	**-28**
Long Term												
Full Simulation Period[a]	**-39**	36	4	**-13**	**-40**	**-48**	**-65**	**-122**	**-174**	**-132**	**-84**	42
Water Year Types[b]												
Wet (32%)	23	100	48	22	4	**-3**	**0**	**-43**	**-117**	**-106**	**-95**	226
Above Normal (15%)	**-86**	47	50	56	19	22	**-11**	**-75**	**-169**	**-131**	**-63**	131
Below Normal (17%)	**-90**	3	**-23**	**-111**	**-180**	**-209**	**-246**	**-320**	**-353**	**-306**	**-244**	**-233**
Dry (22%)	**-71**	**-28**	**-76**	**-76**	**-98**	**-92**	**-110**	**-190**	**-207**	**-115**	**-12**	**-33**
Critical (15%)	**-17**	23	14	55	57	37	19	**-9**	**-44**	**-10**	0	**-10**

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-2-17. Shasta Lake, End of Month Storage

No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	3,054	3,093	3,304	3,608	3,831	4,180	4,478	4,552	4,403	3,754	3,348	3,035
20%	2,728	2,749	3,252	3,530	3,730	4,107	4,403	4,552	4,173	3,568	3,273	2,848
30%	2,605	2,520	3,045	3,364	3,646	4,007	4,347	4,475	4,085	3,450	3,033	2,695
40%	2,495	2,461	2,783	3,252	3,494	3,959	4,227	4,293	3,817	3,151	2,806	2,601
50%	2,302	2,339	2,610	3,030	3,359	3,754	4,113	4,099	3,642	3,041	2,665	2,436
60%	2,143	2,176	2,423	2,785	3,261	3,490	3,880	3,830	3,406	2,813	2,454	2,331
70%	1,867	1,948	2,118	2,541	2,984	3,416	3,581	3,604	3,129	2,561	2,222	2,018
80%	1,599	1,558	1,693	2,082	2,771	2,985	3,214	2,984	2,586	2,054	1,776	1,754
90%	618	655	889	1,467	1,756	2,075	2,104	2,034	1,663	1,180	894	803
Long Term												
Full Simulation Period[a]	2,128	2,141	2,415	2,774	3,129	3,488	3,738	3,720	3,330	2,771	2,438	2,242
Water Year Types[b]												
Wet (32%)	2,412	2,501	2,975	3,365	3,657	3,877	4,283	4,436	4,150	3,568	3,224	2,805
Above Normal (15%)	2,153	2,111	2,389	3,057	3,444	4,007	4,416	4,388	3,930	3,273	2,857	2,582
Below Normal (17%)	2,199	2,175	2,310	2,730	3,195	3,611	3,914	3,912	3,517	2,954	2,599	2,518
Dry (22%)	2,028	2,044	2,262	2,478	2,929	3,400	3,501	3,334	2,882	2,336	1,969	1,944
Critical (15%)	1,556	1,493	1,577	1,702	1,893	2,113	2,030	1,859	1,409	980	832	805

Alternative 4 H1 (LLT)

	End of Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	3,200	3,241	3,349	3,639	3,852	4,198	4,478	4,552	4,276	3,682	3,276	3,214
20%	3,010	3,173	3,319	3,552	3,742	4,128	4,408	4,552	4,077	3,438	3,106	3,026
30%	2,822	3,003	3,266	3,495	3,671	4,020	4,323	4,355	3,923	3,246	2,868	2,803
40%	2,623	2,758	3,198	3,332	3,569	3,964	4,237	4,166	3,637	3,114	2,790	2,683
50%	2,364	2,524	2,866	3,252	3,447	3,811	4,113	4,003	3,470	2,889	2,539	2,459
60%	2,133	2,210	2,613	2,885	3,284	3,668	3,933	3,833	3,290	2,722	2,407	2,344
70%	1,999	2,015	2,291	2,664	3,147	3,416	3,649	3,539	3,082	2,502	2,267	2,217
80%	1,540	1,686	1,700	2,178	2,779	2,992	3,256	2,914	2,495	2,068	1,745	1,720
90%	653	653	875	1,355	1,504	1,914	2,436	2,145	1,637	1,194	894	790
Long Term												
Full Simulation Period[a]	2,223	2,314	2,540	2,850	3,165	3,510	3,751	3,687	3,244	2,711	2,402	2,327
Water Year Types[b]												
Wet (32%)	2,540	2,715	3,083	3,399	3,661	3,877	4,285	4,410	4,060	3,477	3,144	3,043
Above Normal (15%)	2,257	2,344	2,613	3,197	3,488	4,022	4,413	4,325	3,779	3,146	2,750	2,691
Below Normal (17%)	2,318	2,387	2,486	2,847	3,217	3,605	3,886	3,814	3,365	2,832	2,499	2,418
Dry (22%)	2,079	2,155	2,346	2,562	3,014	3,489	3,575	3,342	2,837	2,346	2,064	1,994
Critical (15%)	1,606	1,571	1,646	1,746	1,929	2,126	2,038	1,854	1,413	1,022	841	805

Alternative 4 H1 (LLT) minus No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	146	148	45	31	21	19	**0**	0	**-127**	**-72**	**-72**	179
20%	283	424	67	22	12	22	5	0	**-96**	**-129**	**-167**	178
30%	217	483	221	131	24	13	**-24**	**-120**	**-162**	**-204**	**-165**	109
40%	129	298	415	80	75	5	10	**-127**	**-180**	**-37**	**-17**	82
50%	62	185	256	222	88	57	0	**-96**	**-172**	**-151**	**-126**	23
60%	**-10**	33	189	100	23	177	53	4	**-116**	**-91**	**-47**	13
70%	132	67	173	123	164	**0**	68	**-65**	**-48**	**-59**	45	200
80%	**-60**	128	7	96	8	7	42	**-70**	**-91**	13	**-31**	**-34**
90%	36	**-2**	**-14**	**-112**	**-252**	**-161**	332	111	**-26**	14	**-1**	**-13**
Long Term												
Full Simulation Period[a]	95	174	126	76	36	22	13	**-33**	**-86**	**-60**	**-36**	85
Water Year Types[b]												
Wet (32%)	128	214	108	34	4	0	1	**-26**	**-90**	**-91**	**-81**	238
Above Normal (15%)	104	233	224	140	44	15	**-3**	**-62**	**-151**	**-127**	**-107**	109
Below Normal (17%)	120	212	177	117	23	**-6**	**-29**	**-98**	**-152**	**-122**	**-100**	**-99**
Dry (22%)	51	111	85	84	85	89	74	9	**-45**	10	95	50
Critical (15%)	50	77	69	45	36	12	8	**-6**	4	42	9	0

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-2-18. Shasta Lake, End of Month Storage

No Action Alternative (LLT)

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,054	3,093	3,304	3,608	3,831	4,180	4,478	4,552	4,403	3,754	3,348	3,035
20%	2,728	2,749	3,252	3,530	3,730	4,107	4,403	4,552	4,173	3,568	3,273	2,848
30%	2,605	2,520	3,045	3,364	3,646	4,007	4,347	4,475	4,085	3,450	3,033	2,695
40%	2,495	2,461	2,783	3,252	3,494	3,959	4,227	4,293	3,817	3,151	2,806	2,601
50%	2,302	2,339	2,610	3,030	3,359	3,754	4,113	4,099	3,642	3,041	2,665	2,436
60%	2,143	2,176	2,423	2,785	3,261	3,490	3,880	3,830	3,406	2,813	2,454	2,331
70%	1,867	1,948	2,118	2,541	2,984	3,416	3,581	3,604	3,129	2,561	2,222	2,018
80%	1,599	1,558	1,693	2,082	2,771	2,985	3,214	2,984	2,586	2,054	1,776	1,754
90%	618	655	889	1,467	1,756	2,075	2,104	2,034	1,663	1,180	894	803
Long Term												
Full Simulation Period[a]	2,128	2,141	2,415	2,774	3,129	3,488	3,738	3,720	3,330	2,771	2,438	2,242
Water Year Types[b]												
Wet (32%)	2,412	2,501	2,975	3,365	3,657	3,877	4,283	4,436	4,150	3,568	3,224	2,805
Above Normal (15%)	2,153	2,111	2,389	3,057	3,444	4,007	4,416	4,388	3,930	3,273	2,857	2,582
Below Normal (17%)	2,199	2,175	2,310	2,730	3,195	3,611	3,914	3,912	3,517	2,954	2,599	2,518
Dry (22%)	2,028	2,044	2,262	2,478	2,929	3,400	3,501	3,334	2,882	2,336	1,969	1,944
Critical (15%)	1,556	1,493	1,577	1,702	1,893	2,113	2,030	1,859	1,409	980	832	805

Alternative 4 H2 (LLT)

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,200	3,247	3,349	3,638	3,876	4,200	4,479	4,552	4,350	3,753	3,330	3,220
20%	3,011	3,177	3,315	3,552	3,760	4,128	4,392	4,552	4,141	3,574	3,192	3,108
30%	2,896	3,052	3,275	3,484	3,659	4,021	4,323	4,412	4,063	3,422	3,019	2,926
40%	2,649	2,846	3,214	3,350	3,565	3,971	4,241	4,195	3,765	3,181	2,847	2,711
50%	2,388	2,530	2,921	3,252	3,489	3,843	4,155	4,096	3,619	3,033	2,641	2,545
60%	2,146	2,276	2,622	2,966	3,297	3,704	3,959	3,937	3,454	2,891	2,469	2,404
70%	2,039	2,005	2,371	2,741	3,252	3,438	3,782	3,684	3,258	2,628	2,327	2,206
80%	1,644	1,728	1,928	2,283	2,852	3,181	3,492	3,201	2,709	2,203	1,787	1,736
90%	688	683	902	1,697	1,944	2,305	2,527	2,254	1,888	1,523	1,061	815
Long Term												
Full Simulation Period[a]	2,264	2,351	2,582	2,894	3,212	3,561	3,810	3,770	3,373	2,828	2,481	2,384
Water Year Types[b]												
Wet (32%)	2,569	2,736	3,081	3,406	3,661	3,877	4,285	4,424	4,119	3,545	3,184	3,077
Above Normal (15%)	2,229	2,311	2,592	3,185	3,483	4,022	4,420	4,349	3,914	3,277	2,849	2,780
Below Normal (17%)	2,362	2,419	2,542	2,888	3,283	3,675	3,966	3,950	3,560	3,027	2,640	2,497
Dry (22%)	2,141	2,212	2,429	2,624	3,074	3,549	3,655	3,455	2,981	2,444	2,094	2,019
Critical (15%)	1,708	1,687	1,770	1,908	2,091	2,303	2,219	2,035	1,586	1,171	981	899

Alternative 4 H2 (LLT) minus No Action Alternative (LLT)

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	146	155	44	30	45	21	1	0	-52	-1	-18	185
20%	283	428	63	21	30	22	-11	0	-32	6	-81	260
30%	291	532	230	120	12	14	-23	-63	-23	-28	-14	231
40%	154	385	430	98	71	13	15	-98	-52	29	41	110
50%	86	192	312	222	130	88	42	-3	-23	-8	-24	109
60%	3	99	199	181	35	214	79	108	47	78	15	74
70%	172	57	252	200	268	22	201	80	128	67	105	188
80%	45	170	235	200	81	196	278	216	124	149	11	-18
90%	71	28	13	230	188	230	424	221	225	343	167	11
Long Term												
Full Simulation Period[a]	136	210	168	121	83	74	71	49	43	58	43	142
Water Year Types[b]												
Wet (32%)	157	235	106	41	4	0	2	-11	-31	-22	-40	272
Above Normal (15%)	75	200	203	128	39	15	4	-39	-16	5	-8	198
Below Normal (17%)	163	244	232	158	88	64	52	38	43	73	41	-20
Dry (22%)	113	168	168	145	145	149	154	121	99	109	125	76
Critical (15%)	152	194	193	206	198	190	189	176	177	191	149	94

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-2-19. Shasta Lake, End of Month Storage

No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,054	3,093	3,304	3,608	3,831	4,180	4,478	4,552	4,403	3,754	3,348	3,035
20%	2,728	2,749	3,252	3,530	3,730	4,107	4,403	4,552	4,173	3,568	3,273	2,848
30%	2,605	2,520	3,045	3,364	3,646	4,007	4,347	4,475	4,085	3,450	3,033	2,695
40%	2,495	2,461	2,783	3,252	3,494	3,959	4,227	4,293	3,817	3,151	2,806	2,601
50%	2,302	2,339	2,610	3,030	3,359	3,754	4,113	4,099	3,642	3,041	2,665	2,436
60%	2,143	2,176	2,423	2,785	3,261	3,490	3,880	3,830	3,406	2,813	2,454	2,331
70%	1,867	1,948	2,118	2,541	2,984	3,416	3,581	3,604	3,129	2,561	2,222	2,018
80%	1,599	1,558	1,693	2,082	2,771	2,985	3,214	2,984	2,586	2,054	1,776	1,754
90%	618	655	889	1,467	1,756	2,075	2,104	2,034	1,663	1,180	894	803
Long Term												
Full Simulation Period[a]	2,128	2,141	2,415	2,774	3,129	3,488	3,738	3,720	3,330	2,771	2,438	2,242
Water Year Types[b]												
Wet (32%)	2,412	2,501	2,975	3,365	3,657	3,877	4,283	4,436	4,150	3,568	3,224	2,805
Above Normal (15%)	2,153	2,111	2,389	3,057	3,444	4,007	4,416	4,388	3,930	3,273	2,857	2,582
Below Normal (17%)	2,199	2,175	2,310	2,730	3,195	3,611	3,914	3,912	3,517	2,954	2,599	2,518
Dry (22%)	2,028	2,044	2,262	2,478	2,929	3,400	3,501	3,334	2,882	2,336	1,969	1,944
Critical (15%)	1,556	1,493	1,577	1,702	1,893	2,113	2,030	1,859	1,409	980	832	805

Alternative 4 H3 (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,900	3,006	3,319	3,615	3,848	4,197	4,479	4,552	4,290	3,696	3,294	2,917
20%	2,703	2,865	3,263	3,531	3,739	4,128	4,410	4,552	4,095	3,438	3,102	2,745
30%	2,603	2,620	3,077	3,367	3,643	4,020	4,305	4,339	3,922	3,245	2,860	2,680
40%	2,353	2,503	2,873	3,252	3,494	3,964	4,224	4,128	3,633	3,006	2,700	2,529
50%	2,261	2,300	2,708	3,078	3,433	3,754	4,084	4,001	3,419	2,881	2,564	2,383
60%	2,107	2,131	2,345	2,841	3,264	3,516	3,849	3,775	3,244	2,766	2,409	2,303
70%	1,898	1,971	2,176	2,505	3,030	3,416	3,542	3,452	3,026	2,527	2,279	2,102
80%	1,412	1,484	1,580	2,133	2,689	2,931	3,106	2,871	2,390	2,003	1,699	1,632
90%	604	669	845	1,149	1,417	1,900	2,438	2,134	1,631	1,173	897	730
Long Term												
Full Simulation Period[a]	2,079	2,145	2,414	2,772	3,113	3,470	3,711	3,651	3,214	2,688	2,384	2,181
Water Year Types[b]												
Wet (32%)	2,374	2,516	2,997	3,372	3,661	3,877	4,284	4,411	4,071	3,494	3,156	2,712
Above Normal (15%)	2,107	2,151	2,415	3,109	3,463	4,028	4,419	4,318	3,767	3,143	2,755	2,520
Below Normal (17%)	2,163	2,205	2,320	2,722	3,138	3,558	3,838	3,780	3,346	2,811	2,466	2,429
Dry (22%)	1,929	1,992	2,206	2,438	2,888	3,364	3,450	3,228	2,731	2,260	1,980	1,920
Critical (15%)	1,539	1,493	1,572	1,696	1,882	2,087	2,005	1,821	1,375	984	847	795

Alternative 4 H3 (LLT) minus No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-155	-87	15	7	17	17	1	0	-113	-58	-55	-118
20%	-25	116	11	0	9	22	7	0	-78	-130	-171	-103
30%	-2	100	32	4	-4	13	-42	-136	-163	-205	-173	-14
40%	-141	42	90	0	1	5	-2	-165	-184	-145	-106	-72
50%	-41	-39	98	48	75	0	-29	-98	-223	-160	-101	-53
60%	-36	-45	-78	56	3	26	-31	-54	-163	-47	-45	-28
70%	31	24	58	-36	46	0	-39	-152	-104	-34	57	84
80%	-187	-73	-112	50	-82	-54	-108	-114	-196	-51	-77	-121
90%	-14	14	-44	-318	-339	-175	335	100	-32	-7	3	-73
Long Term												
Full Simulation Period[a]	-49	4	-1	-1	-16	-18	-27	-69	-116	-83	-54	-60
Water Year Types[b]												
Wet (32%)	-38	15	22	7	4	0	1	-25	-79	-74	-68	-93
Above Normal (15%)	-46	39	26	51	18	21	3	-70	-163	-130	-102	-62
Below Normal (17%)	-35	30	10	-8	-57	-53	-76	-131	-170	-143	-134	-88
Dry (22%)	-99	-52	-56	-41	-41	-36	-51	-106	-151	-76	11	-23
Critical (15%)	-17	0	-5	-6	-11	-26	-25	-38	-34	4	16	-10

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-2-20. Shasta Lake, End of Month Storage

No Action Alternative (LLT)

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,054	3,093	3,304	3,608	3,831	4,180	4,478	4,552	4,403	3,754	3,348	3,035
20%	2,728	2,749	3,252	3,530	3,730	4,107	4,403	4,552	4,173	3,568	3,273	2,848
30%	2,605	2,520	3,045	3,364	3,646	4,007	4,347	4,475	4,085	3,450	3,033	2,695
40%	2,495	2,461	2,783	3,252	3,494	3,959	4,227	4,293	3,817	3,151	2,806	2,601
50%	2,302	2,339	2,610	3,030	3,359	3,754	4,113	4,099	3,642	3,041	2,665	2,436
60%	2,143	2,176	2,423	2,785	3,261	3,490	3,880	3,830	3,406	2,813	2,454	2,331
70%	1,867	1,948	2,118	2,541	2,984	3,416	3,581	3,604	3,129	2,561	2,222	2,018
80%	1,599	1,558	1,693	2,082	2,771	2,985	3,214	2,984	2,586	2,054	1,776	1,754
90%	618	655	889	1,467	1,756	2,075	2,104	2,034	1,663	1,180	894	803
Long Term												
Full Simulation Period[a]	2,128	2,141	2,415	2,774	3,129	3,488	3,738	3,720	3,330	2,771	2,438	2,242
Water Year Types[b]												
Wet (32%)	2,412	2,501	2,975	3,365	3,657	3,877	4,283	4,436	4,150	3,568	3,224	2,805
Above Normal (15%)	2,153	2,111	2,389	3,057	3,444	4,007	4,416	4,388	3,930	3,273	2,857	2,582
Below Normal (17%)	2,199	2,175	2,310	2,730	3,195	3,611	3,914	3,912	3,517	2,954	2,599	2,518
Dry (22%)	2,028	2,044	2,262	2,478	2,929	3,400	3,501	3,334	2,882	2,336	1,969	1,944
Critical (15%)	1,556	1,493	1,577	1,702	1,893	2,113	2,030	1,859	1,409	980	832	805

Alternative 4 H4 (LLT)

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,022	3,124	3,315	3,624	3,843	4,199	4,479	4,552	4,363	3,752	3,384	2,959
20%	2,771	2,907	3,254	3,530	3,730	4,124	4,404	4,552	4,128	3,519	3,182	2,805
30%	2,614	2,663	3,108	3,367	3,628	4,015	4,312	4,425	4,056	3,408	3,032	2,664
40%	2,423	2,457	2,881	3,252	3,511	3,965	4,228	4,249	3,777	3,163	2,814	2,582
50%	2,261	2,311	2,669	3,058	3,414	3,777	4,134	4,117	3,613	3,033	2,621	2,460
60%	2,108	2,094	2,445	2,820	3,266	3,568	3,855	3,890	3,438	2,850	2,465	2,262
70%	1,901	2,017	2,129	2,562	3,116	3,416	3,714	3,627	3,278	2,631	2,285	2,117
80%	1,638	1,676	1,890	2,269	2,813	3,072	3,200	3,089	2,657	2,268	1,762	1,764
90%	654	684	905	1,616	1,895	2,088	2,432	2,130	1,666	1,201	916	809
Long Term												
Full Simulation Period[a]	2,120	2,183	2,454	2,821	3,163	3,522	3,772	3,738	3,347	2,800	2,455	2,229
Water Year Types[b]												
Wet (32%)	2,380	2,525	2,994	3,373	3,661	3,877	4,282	4,425	4,126	3,548	3,189	2,723
Above Normal (15%)	2,106	2,123	2,384	3,079	3,446	4,029	4,424	4,360	3,914	3,286	2,854	2,576
Below Normal (17%)	2,231	2,270	2,401	2,801	3,216	3,635	3,945	3,936	3,543	3,003	2,631	2,560
Dry (22%)	1,985	2,047	2,277	2,515	2,966	3,435	3,538	3,356	2,909	2,391	2,035	1,960
Critical (15%)	1,643	1,605	1,684	1,853	2,034	2,247	2,162	1,973	1,519	1,073	892	831

Alternative 4 H4 (LLT) minus No Action Alternative (LLT)

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-32	31	11	16	12	20	1	0	-40	-2	35	-76
20%	43	158	1	0	0	17	1	0	-45	-49	-91	-43
30%	9	143	63	4	-18	8	-35	-50	-29	-42	-1	-31
40%	-72	-4	98	0	17	6	2	-44	-40	11	8	-18
50%	-41	-28	59	29	55	22	22	18	-29	-8	-44	24
60%	-35	-83	22	35	4	78	-25	61	32	37	11	-69
70%	34	69	11	21	132	0	133	23	148	71	63	99
80%	39	118	197	187	43	87	-14	105	71	213	-14	10
90%	37	29	16	148	139	13	328	96	4	21	22	5
Long Term												
Full Simulation Period[a]	-8	42	40	48	34	35	33	18	16	30	17	-12
Water Year Types[b]												
Wet (32%)	-32	24	19	7	4	0	-1	-10	-24	-20	-35	-82
Above Normal (15%)	-47	11	-6	21	2	22	8	-28	-16	14	-3	-6
Below Normal (17%)	32	95	91	71	22	24	30	24	26	48	32	43
Dry (22%)	-43	3	15	37	36	35	37	22	26	56	66	16
Critical (15%)	87	112	107	151	141	134	133	114	110	93	60	25

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-2-21. Shasta Lake, End of Month Storage

No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,054	3,093	3,304	3,608	3,831	4,180	4,478	4,552	4,403	3,754	3,348	3,035
20%	2,728	2,749	3,252	3,530	3,730	4,107	4,403	4,552	4,173	3,568	3,273	2,848
30%	2,605	2,520	3,045	3,364	3,646	4,007	4,347	4,475	4,085	3,450	3,033	2,695
40%	2,495	2,461	2,783	3,252	3,494	3,959	4,227	4,293	3,817	3,151	2,806	2,601
50%	2,302	2,339	2,610	3,030	3,359	3,754	4,113	4,099	3,642	3,041	2,665	2,436
60%	2,143	2,176	2,423	2,785	3,261	3,490	3,880	3,830	3,406	2,813	2,454	2,331
70%	1,867	1,948	2,118	2,541	2,984	3,416	3,581	3,604	3,129	2,561	2,222	2,018
80%	1,599	1,558	1,693	2,082	2,771	2,985	3,214	2,984	2,586	2,054	1,776	1,754
90%	618	655	889	1,467	1,756	2,075	2,104	2,034	1,663	1,180	894	803
Long Term												
Full Simulation Period[a]	2,128	2,141	2,415	2,774	3,129	3,488	3,738	3,720	3,330	2,771	2,438	2,242
Water Year Types[b]												
Wet (32%)	2,412	2,501	2,975	3,365	3,657	3,877	4,283	4,436	4,150	3,568	3,224	2,805
Above Normal (15%)	2,153	2,111	2,389	3,057	3,444	4,007	4,416	4,388	3,930	3,273	2,857	2,582
Below Normal (17%)	2,199	2,175	2,310	2,730	3,195	3,611	3,914	3,912	3,517	2,954	2,599	2,518
Dry (22%)	2,028	2,044	2,262	2,478	2,929	3,400	3,501	3,334	2,882	2,336	1,969	1,944
Critical (15%)	1,556	1,493	1,577	1,702	1,893	2,113	2,030	1,859	1,409	980	832	805

Alternative 5 (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,914	2,988	3,319	3,601	3,843	4,162	4,479	4,552	4,356	3,756	3,284	2,922
20%	2,661	2,755	3,252	3,525	3,692	4,124	4,411	4,552	4,167	3,510	3,188	2,719
30%	2,536	2,551	3,023	3,364	3,621	4,020	4,306	4,378	3,990	3,304	2,933	2,619
40%	2,361	2,482	2,792	3,252	3,498	3,964	4,226	4,188	3,678	3,031	2,659	2,481
50%	2,248	2,233	2,668	3,041	3,396	3,754	4,088	4,048	3,435	2,862	2,532	2,381
60%	2,052	2,110	2,406	2,767	3,236	3,467	3,763	3,752	3,241	2,702	2,357	2,291
70%	1,783	1,892	2,117	2,433	3,042	3,415	3,547	3,424	3,070	2,507	2,228	2,102
80%	1,460	1,517	1,525	2,107	2,720	3,001	3,189	2,938	2,494	2,036	1,768	1,718
90%	698	699	874	1,372	1,558	1,932	2,335	2,046	1,565	1,196	929	814
Long Term												
Full Simulation Period[a]	2,058	2,116	2,399	2,759	3,113	3,472	3,715	3,670	3,251	2,706	2,395	2,189
Water Year Types[b]												
Wet (32%)	2,364	2,493	2,996	3,370	3,660	3,877	4,284	4,423	4,100	3,526	3,158	2,694
Above Normal (15%)	2,051	2,097	2,373	3,075	3,461	4,028	4,419	4,336	3,852	3,206	2,815	2,536
Below Normal (17%)	2,064	2,105	2,262	2,644	3,108	3,527	3,814	3,786	3,344	2,786	2,450	2,422
Dry (22%)	1,960	2,007	2,206	2,451	2,899	3,383	3,478	3,263	2,770	2,256	1,988	1,962
Critical (15%)	1,538	1,497	1,582	1,718	1,905	2,111	2,015	1,845	1,425	1,009	870	813

Alternative 5 (LLT) minus No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-140	-105	15	-7	11	-17	1	0	-47	1	-65	-113
20%	-67	6	0	-5	-38	17	8	0	-6	-58	-85	-129
30%	-69	31	-22	0	-25	13	-41	-97	-95	-146	-100	-76
40%	-134	22	9	0	4	5	-1	-105	-138	-120	-147	-120
50%	-54	-106	58	11	37	0	-25	-51	-207	-179	-133	-55
60%	-90	-66	-17	-18	-25	-23	-117	-78	-166	-111	-97	-40
70%	-84	-56	-1	-108	58	-1	-34	-180	-59	-54	5	84
80%	-139	-41	-167	24	-51	16	-25	-46	-92	-18	-9	-36
90%	81	44	-15	-95	-198	-142	232	12	-98	17	35	10
Long Term												
Full Simulation Period[a]	-71	-24	-15	-14	-16	-15	-24	-50	-79	-65	-43	-53
Water Year Types[b]												
Wet (32%)	-48	-8	21	5	3	0	1	-12	-50	-41	-66	-111
Above Normal (15%)	-103	-14	-17	18	17	21	3	-51	-78	-67	-42	-45
Below Normal (17%)	-135	-70	-48	-86	-87	-84	-101	-125	-172	-168	-149	-95
Dry (22%)	-68	-37	-55	-27	-31	-18	-23	-71	-112	-80	19	19
Critical (15%)	-18	4	5	16	12	-3	-15	-14	16	29	39	8

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-2-22. Shasta Lake, End of Month Storage

No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,054	3,093	3,304	3,608	3,831	4,180	4,478	4,552	4,403	3,754	3,348	3,035
20%	2,728	2,749	3,252	3,530	3,730	4,107	4,403	4,552	4,173	3,568	3,273	2,848
30%	2,605	2,520	3,045	3,364	3,646	4,007	4,347	4,475	4,085	3,450	3,033	2,695
40%	2,495	2,461	2,783	3,252	3,494	3,959	4,227	4,293	3,817	3,151	2,806	2,601
50%	2,302	2,339	2,610	3,030	3,359	3,754	4,113	4,099	3,642	3,041	2,665	2,436
60%	2,143	2,176	2,423	2,785	3,261	3,490	3,880	3,830	3,406	2,813	2,454	2,331
70%	1,867	1,948	2,118	2,541	2,984	3,416	3,581	3,604	3,129	2,561	2,222	2,018
80%	1,599	1,558	1,693	2,082	2,771	2,985	3,214	2,984	2,586	2,054	1,776	1,754
90%	618	655	889	1,467	1,756	2,075	2,104	2,034	1,663	1,180	894	803
Long Term												
Full Simulation Period[a]	2,128	2,141	2,415	2,774	3,129	3,488	3,738	3,720	3,330	2,771	2,438	2,242
Water Year Types[b]												
Wet (32%)	2,412	2,501	2,975	3,365	3,657	3,877	4,283	4,436	4,150	3,568	3,224	2,805
Above Normal (15%)	2,153	2,111	2,389	3,057	3,444	4,007	4,416	4,388	3,930	3,273	2,857	2,582
Below Normal (17%)	2,199	2,175	2,310	2,730	3,195	3,611	3,914	3,912	3,517	2,954	2,599	2,518
Dry (22%)	2,028	2,044	2,262	2,478	2,929	3,400	3,501	3,334	2,882	2,336	1,969	1,944
Critical (15%)	1,556	1,493	1,577	1,702	1,893	2,113	2,030	1,859	1,409	980	832	805

Alternative 6A,6B,6C (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,013	3,207	3,322	3,621	3,870	4,209	4,479	4,552	4,294	3,720	3,217	3,019
20%	2,865	2,854	3,283	3,530	3,742	4,128	4,416	4,552	4,177	3,570	3,160	2,911
30%	2,636	2,736	3,171	3,370	3,651	4,028	4,346	4,428	3,942	3,312	3,003	2,779
40%	2,559	2,560	2,977	3,254	3,524	3,981	4,265	4,269	3,793	3,175	2,856	2,695
50%	2,462	2,471	2,803	3,155	3,427	3,814	4,134	4,162	3,678	3,057	2,720	2,596
60%	2,292	2,386	2,566	2,944	3,292	3,617	3,988	3,956	3,441	2,870	2,591	2,460
70%	2,063	2,112	2,320	2,696	3,244	3,416	3,664	3,528	3,262	2,701	2,412	2,238
80%	1,675	1,565	1,708	2,470	2,713	2,974	3,176	3,087	2,739	2,166	1,902	1,827
90%	618	636	919	1,392	1,556	2,031	2,467	2,138	1,653	1,141	854	744
Long Term												
Full Simulation Period[a]	2,208	2,245	2,503	2,835	3,161	3,519	3,774	3,737	3,346	2,780	2,465	2,314
Water Year Types[b]												
Wet (32%)	2,532	2,659	3,069	3,382	3,661	3,877	4,290	4,411	4,107	3,507	3,119	2,787
Above Normal (15%)	2,275	2,284	2,541	3,154	3,474	4,034	4,425	4,363	3,907	3,285	2,936	2,743
Below Normal (17%)	2,182	2,198	2,361	2,769	3,160	3,579	3,893	3,892	3,510	2,952	2,634	2,601
Dry (22%)	2,086	2,103	2,333	2,556	3,006	3,474	3,578	3,406	2,971	2,406	2,114	2,082
Critical (15%)	1,653	1,577	1,658	1,829	1,995	2,224	2,156	1,969	1,507	1,057	908	873

Alternative 6A,6B,6C (LLT) minus No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	**-41**	114	17	13	39	30	1	0	**-109**	**-34**	**-131**	**-16**
20%	137	105	31	0	12	22	13	0	4	2	**-112**	63
30%	30	216	126	7	5	21	**-1**	**-47**	**-144**	**-138**	**-30**	84
40%	65	99	194	2	31	22	38	**-25**	**-24**	24	50	94
50%	160	132	194	125	68	59	22	63	36	16	56	159
60%	149	209	143	159	30	126	108	126	35	57	137	129
70%	196	164	202	155	260	0	83	**-76**	133	140	190	220
80%	76	7	16	388	**-57**	**-11**	**-38**	102	153	112	125	73
90%	0	**-19**	30	**-75**	**-200**	**-43**	364	104	**-10**	**-39**	**-40**	**-59**
Long Term												
Full Simulation Period[a]	80	105	88	62	31	31	35	17	16	9	27	72
Water Year Types[b]												
Wet (32%)	120	158	94	17	4	0	7	**-25**	**-43**	**-61**	**-105**	**-19**
Above Normal (15%)	122	173	152	96	30	27	10	**-24**	**-23**	13	79	161
Below Normal (17%)	**-17**	23	51	39	**-34**	**-32**	**-21**	**-20**	**-6**	**-2**	35	84
Dry (22%)	58	59	72	77	76	74	77	72	89	71	145	138
Critical (15%)	98	84	81	127	102	111	127	109	98	77	77	68

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-2-23. Shasta Lake, End of Month Storage

No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,054	3,093	3,304	3,608	3,831	4,180	4,478	4,552	4,403	3,754	3,348	3,035
20%	2,728	2,749	3,252	3,530	3,730	4,107	4,403	4,552	4,173	3,568	3,273	2,848
30%	2,605	2,520	3,045	3,364	3,646	4,007	4,347	4,475	4,085	3,450	3,033	2,695
40%	2,495	2,461	2,783	3,252	3,494	3,959	4,227	4,293	3,817	3,151	2,806	2,601
50%	2,302	2,339	2,610	3,030	3,359	3,754	4,113	4,099	3,642	3,041	2,665	2,436
60%	2,143	2,176	2,423	2,785	3,261	3,490	3,880	3,830	3,406	2,813	2,454	2,331
70%	1,867	1,948	2,118	2,541	2,984	3,416	3,581	3,604	3,129	2,561	2,222	2,018
80%	1,599	1,558	1,693	2,082	2,771	2,985	3,214	2,984	2,586	2,054	1,776	1,754
90%	618	655	889	1,467	1,756	2,075	2,104	2,034	1,663	1,180	894	803
Long Term												
Full Simulation Period[a]	2,128	2,141	2,415	2,774	3,129	3,488	3,738	3,720	3,330	2,771	2,438	2,242
Water Year Types[b]												
Wet (32%)	2,412	2,501	2,975	3,365	3,657	3,877	4,283	4,436	4,150	3,568	3,224	2,805
Above Normal (15%)	2,153	2,111	2,389	3,057	3,444	4,007	4,416	4,388	3,930	3,273	2,857	2,582
Below Normal (17%)	2,199	2,175	2,310	2,730	3,195	3,611	3,914	3,912	3,517	2,954	2,599	2,518
Dry (22%)	2,028	2,044	2,262	2,478	2,929	3,400	3,501	3,334	2,882	2,336	1,969	1,944
Critical (15%)	1,556	1,493	1,577	1,702	1,893	2,113	2,030	1,859	1,409	980	832	805

Alternative 7 (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,993	3,107	3,319	3,624	3,852	4,198	4,479	4,552	4,340	3,754	3,341	2,947
20%	2,748	2,820	3,267	3,539	3,742	4,124	4,425	4,552	4,134	3,523	3,182	2,805
30%	2,606	2,651	3,095	3,367	3,642	4,016	4,360	4,442	3,950	3,288	2,916	2,671
40%	2,358	2,494	2,897	3,252	3,524	3,964	4,262	4,283	3,767	3,128	2,767	2,581
50%	2,272	2,366	2,759	3,081	3,390	3,773	4,134	4,083	3,596	2,908	2,589	2,465
60%	2,165	2,195	2,413	2,846	3,284	3,504	3,983	3,896	3,390	2,794	2,480	2,337
70%	1,937	1,900	2,204	2,486	3,015	3,416	3,606	3,387	3,149	2,628	2,322	2,075
80%	1,486	1,479	1,733	2,295	2,660	2,941	3,152	3,010	2,548	1,956	1,720	1,713
90%	556	636	847	1,110	1,377	1,843	2,348	2,042	1,547	1,084	649	584
Long Term												
Full Simulation Period[a]	2,100	2,146	2,430	2,782	3,111	3,470	3,729	3,700	3,291	2,719	2,398	2,211
Water Year Types[b]												
Wet (32%)	2,411	2,550	3,021	3,369	3,661	3,877	4,290	4,428	4,086	3,502	3,165	2,732
Above Normal (15%)	2,163	2,188	2,489	3,146	3,467	4,028	4,420	4,348	3,858	3,187	2,818	2,586
Below Normal (17%)	2,152	2,174	2,328	2,728	3,116	3,538	3,861	3,861	3,468	2,872	2,509	2,489
Dry (22%)	1,968	1,994	2,224	2,460	2,914	3,384	3,498	3,347	2,907	2,324	1,981	1,938
Critical (15%)	1,501	1,429	1,517	1,691	1,851	2,084	2,018	1,816	1,369	967	811	795

Alternative 7 (LLT) minus No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-61	15	15	16	21	19	1	0	-63	0	-7	-88
20%	20	71	15	9	12	17	22	0	-39	-45	-90	-43
30%	1	131	50	4	-5	9	13	-33	-136	-162	-117	-23
40%	-137	33	114	0	31	5	35	-10	-50	-24	-39	-20
50%	-30	28	150	51	31	19	22	-16	-46	-133	-76	29
60%	22	19	-11	61	23	14	104	67	-16	-18	26	6
70%	70	-48	85	-55	31	0	25	-216	20	68	100	57
80%	-113	-79	41	213	-110	-44	-62	26	-38	-98	-57	-40
90%	-61	-19	-42	-357	-378	-232	245	8	-116	-95	-246	-220
Long Term												
Full Simulation Period[a]	-28	6	16	8	-18	-17	-9	-20	-40	-52	-40	-30
Water Year Types[b]												
Wet (32%)	-1	49	46	4	4	0	7	-8	-64	-65	-60	-73
Above Normal (15%)	9	77	100	88	23	21	5	-39	-72	-85	-38	4
Below Normal (17%)	-47	-1	18	-1	-78	-73	-54	-50	-49	-82	-90	-28
Dry (22%)	-61	-50	-37	-19	-16	-16	-3	13	25	-11	12	-6
Critical (15%)	-54	-64	-60	-11	-42	-29	-12	-44	-40	-13	-20	-10

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-2-24. Shasta Lake, End of Month Storage

No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,054	3,093	3,304	3,608	3,831	4,180	4,478	4,552	4,403	3,754	3,348	3,035
20%	2,728	2,749	3,252	3,530	3,730	4,107	4,403	4,552	4,173	3,568	3,273	2,848
30%	2,605	2,520	3,045	3,364	3,646	4,007	4,347	4,475	4,085	3,450	3,033	2,695
40%	2,495	2,461	2,783	3,252	3,494	3,959	4,227	4,293	3,817	3,151	2,806	2,601
50%	2,302	2,339	2,610	3,030	3,359	3,754	4,113	4,099	3,642	3,041	2,665	2,436
60%	2,143	2,176	2,423	2,785	3,261	3,490	3,880	3,830	3,406	2,813	2,454	2,331
70%	1,867	1,948	2,118	2,541	2,984	3,416	3,581	3,604	3,129	2,561	2,222	2,018
80%	1,599	1,558	1,693	2,082	2,771	2,985	3,214	2,984	2,586	2,054	1,776	1,754
90%	618	655	889	1,467	1,756	2,075	2,104	2,034	1,663	1,180	894	803
Long Term												
Full Simulation Period[a]	2,128	2,141	2,415	2,774	3,129	3,488	3,738	3,720	3,330	2,771	2,438	2,242
Water Year Types[b]												
Wet (32%)	2,412	2,501	2,975	3,365	3,657	3,877	4,283	4,436	4,150	3,568	3,224	2,805
Above Normal (15%)	2,153	2,111	2,389	3,057	3,444	4,007	4,416	4,388	3,930	3,273	2,857	2,582
Below Normal (17%)	2,199	2,175	2,310	2,730	3,195	3,611	3,914	3,912	3,517	2,954	2,599	2,518
Dry (22%)	2,028	2,044	2,262	2,478	2,929	3,400	3,501	3,334	2,882	2,336	1,969	1,944
Critical (15%)	1,556	1,493	1,577	1,702	1,893	2,113	2,030	1,859	1,409	980	832	805

Alternative 8 (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,983	3,091	3,319	3,615	3,842	4,150	4,457	4,552	4,210	3,513	3,367	3,024
20%	2,854	2,934	3,279	3,525	3,693	4,031	4,288	4,378	3,913	3,414	3,174	2,888
30%	2,707	2,799	3,234	3,367	3,649	3,984	4,194	4,124	3,672	3,316	3,026	2,770
40%	2,544	2,655	2,991	3,292	3,511	3,946	4,083	3,933	3,414	3,028	2,812	2,597
50%	2,405	2,462	2,774	3,168	3,426	3,698	3,915	3,650	3,380	2,845	2,606	2,514
60%	2,225	2,329	2,538	2,914	3,265	3,505	3,579	3,472	3,194	2,748	2,526	2,429
70%	2,000	1,992	2,327	2,592	3,012	3,416	3,414	3,377	2,923	2,572	2,221	2,183
80%	1,700	1,715	1,824	2,184	2,790	3,032	3,265	3,135	2,668	2,115	1,734	1,713
90%	576	720	1,038	1,555	1,687	2,105	2,449	2,111	1,504	1,070	668	574
Long Term												
Full Simulation Period[a]	2,216	2,272	2,528	2,832	3,148	3,466	3,638	3,548	3,158	2,696	2,434	2,284
Water Year Types[b]												
Wet (32%)	2,585	2,718	3,114	3,397	3,658	3,870	4,240	4,305	3,951	3,477	3,211	2,840
Above Normal (15%)	2,184	2,218	2,539	3,135	3,481	4,019	4,306	4,122	3,655	3,164	2,903	2,709
Below Normal (17%)	2,228	2,259	2,389	2,720	3,139	3,501	3,625	3,504	3,192	2,764	2,515	2,519
Dry (22%)	2,067	2,111	2,344	2,565	2,969	3,334	3,343	3,188	2,806	2,307	1,973	1,977
Critical (15%)	1,658	1,615	1,687	1,834	1,987	2,195	2,122	1,927	1,430	1,039	877	844

Alternative 8 (LLT) minus No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-71	-1	15	7	11	-30	-21	0	-193	-241	18	-11
20%	126	185	27	-5	-37	-75	-115	-174	-260	-154	-99	39
30%	102	279	188	4	2	-23	-153	-351	-413	-134	-7	76
40%	50	195	208	40	17	-12	-144	-360	-403	-123	6	-3
50%	103	123	164	138	67	-56	-197	-449	-262	-195	-59	78
60%	83	152	115	129	4	14	-301	-357	-212	-65	72	99
70%	133	45	208	52	28	0	-167	-227	-206	11	-1	165
80%	101	157	131	102	20	47	51	151	82	61	-42	-41
90%	-41	65	150	87	-69	30	345	77	-158	-110	-226	-229
Long Term												
Full Simulation Period[a]	88	131	114	58	19	-22	-100	-172	-172	-75	-4	43
Water Year Types[b]												
Wet (32%)	173	217	139	32	1	-7	-43	-131	-199	-91	-13	34
Above Normal (15%)	31	107	150	77	37	12	-110	-265	-275	-109	46	127
Below Normal (17%)	29	84	79	-10	-55	-110	-289	-408	-325	-190	-84	1
Dry (22%)	39	67	82	86	39	-66	-159	-146	-76	-29	4	33
Critical (15%)	102	122	110	132	94	81	92	68	22	59	45	39

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-2-25. Shasta Lake, End of Month Storage

No Action Alternative (LLT)

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,054	3,093	3,304	3,608	3,831	4,180	4,478	4,552	4,403	3,754	3,348	3,035
20%	2,728	2,749	3,252	3,530	3,730	4,107	4,403	4,552	4,173	3,568	3,273	2,848
30%	2,605	2,520	3,045	3,364	3,646	4,007	4,347	4,475	4,085	3,450	3,033	2,695
40%	2,495	2,461	2,783	3,252	3,494	3,959	4,227	4,293	3,817	3,151	2,806	2,601
50%	2,302	2,339	2,610	3,030	3,359	3,754	4,113	4,099	3,642	3,041	2,665	2,436
60%	2,143	2,176	2,423	2,785	3,261	3,490	3,880	3,830	3,406	2,813	2,454	2,331
70%	1,867	1,948	2,118	2,541	2,984	3,416	3,581	3,604	3,129	2,561	2,222	2,018
80%	1,599	1,558	1,693	2,082	2,771	2,985	3,214	2,984	2,586	2,054	1,776	1,754
90%	618	655	889	1,467	1,756	2,075	2,104	2,034	1,663	1,180	894	803
Long Term												
Full Simulation Period[a]	2,128	2,141	2,415	2,774	3,129	3,488	3,738	3,720	3,330	2,771	2,438	2,242
Water Year Types[b]												
Wet (32%)	2,412	2,501	2,975	3,365	3,657	3,877	4,283	4,436	4,150	3,568	3,224	2,805
Above Normal (15%)	2,153	2,111	2,389	3,057	3,444	4,007	4,416	4,388	3,930	3,273	2,857	2,582
Below Normal (17%)	2,199	2,175	2,310	2,730	3,195	3,611	3,914	3,912	3,517	2,954	2,599	2,518
Dry (22%)	2,028	2,044	2,262	2,478	2,929	3,400	3,501	3,334	2,882	2,336	1,969	1,944
Critical (15%)	1,556	1,493	1,577	1,702	1,893	2,113	2,030	1,859	1,409	980	832	805

Alternative 9 (LLT)

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,031	3,122	3,303	3,621	3,832	4,181	4,479	4,552	4,386	3,755	3,401	2,973
20%	2,775	2,740	3,252	3,525	3,742	4,116	4,398	4,552	4,220	3,609	3,291	2,828
30%	2,623	2,564	3,168	3,364	3,644	4,020	4,322	4,473	4,061	3,440	3,102	2,730
40%	2,516	2,423	2,809	3,252	3,511	3,964	4,227	4,243	3,768	3,162	2,830	2,624
50%	2,322	2,319	2,661	3,045	3,357	3,773	4,123	3,997	3,559	2,996	2,674	2,455
60%	2,184	2,235	2,468	2,822	3,252	3,474	3,903	3,805	3,349	2,800	2,459	2,299
70%	1,897	2,022	2,192	2,498	3,133	3,394	3,577	3,412	3,113	2,535	2,264	2,036
80%	1,535	1,424	1,682	2,280	2,763	3,136	3,177	2,920	2,490	1,902	1,640	1,644
90%	653	674	984	1,271	1,492	2,154	2,368	2,082	1,708	1,208	901	793
Long Term												
Full Simulation Period[a]	2,145	2,149	2,426	2,786	3,133	3,494	3,735	3,684	3,298	2,765	2,448	2,235
Water Year Types[b]												
Wet (32%)	2,421	2,507	3,003	3,373	3,657	3,875	4,281	4,433	4,149	3,580	3,249	2,780
Above Normal (15%)	2,167	2,128	2,405	3,057	3,438	4,025	4,418	4,388	3,911	3,272	2,906	2,629
Below Normal (17%)	2,283	2,224	2,349	2,754	3,189	3,609	3,912	3,861	3,481	2,951	2,622	2,538
Dry (22%)	1,997	2,026	2,250	2,494	2,949	3,414	3,485	3,219	2,763	2,256	1,935	1,918
Critical (15%)	1,584	1,492	1,551	1,718	1,904	2,125	2,036	1,851	1,433	1,039	820	780

Alternative 9 (LLT) minus No Action Alternative (LLT)

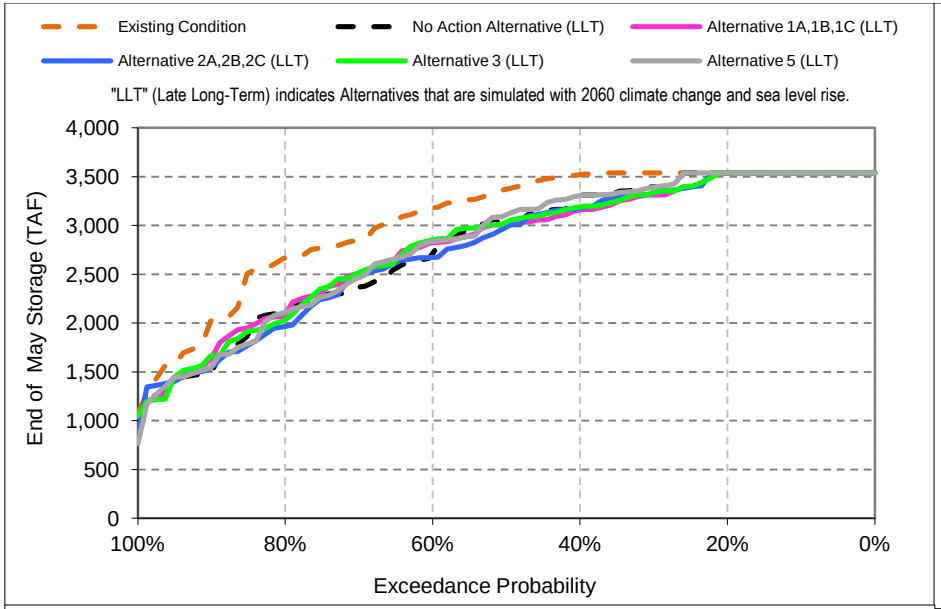
Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-23	29	-1	13	1	1	1	0	-17	1	53	-62
20%	47	-9	0	-5	12	9	-5	0	47	41	19	-20
30%	17	44	122	0	-2	13	-25	-2	-24	-9	69	35
40%	21	-37	26	0	17	5	1	-50	-49	11	24	23
50%	20	-20	51	15	-2	19	10	-102	-82	-45	9	19
60%	41	59	45	37	-9	-16	24	-24	-58	-12	5	-32
70%	30	75	74	-42	149	-22	-4	-192	-16	-26	42	19
80%	-64	-134	-11	198	-7	151	-37	-64	-95	-153	-137	-109
90%	36	19	95	-196	-264	79	264	49	45	28	7	-11
Long Term												
Full Simulation Period[a]	16	8	12	13	4	6	-3	-36	-32	-6	10	-7
Water Year Types[b]												
Wet (32%)	9	6	28	8	0	-2	-2	-3	-1	12	24	-25
Above Normal (15%)	14	16	16	0	-6	19	3	0	-19	-1	49	47
Below Normal (17%)	85	49	39	25	-6	-2	-3	-50	-35	-3	23	21
Dry (22%)	-31	-18	-11	15	19	13	-16	-115	-119	-80	-34	-26
Critical (15%)	28	-2	-26	16	11	12	6	-8	24	59	-11	-25

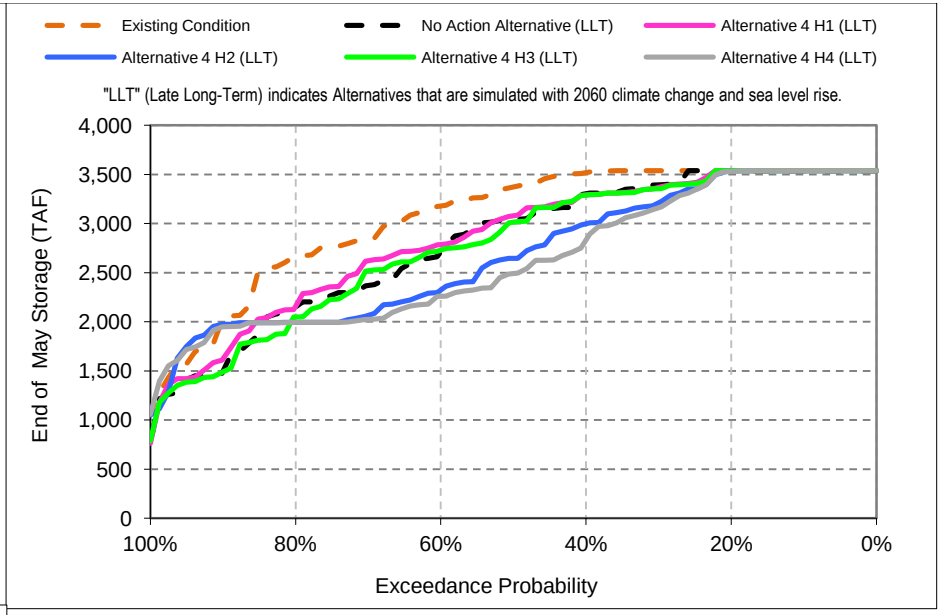
Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

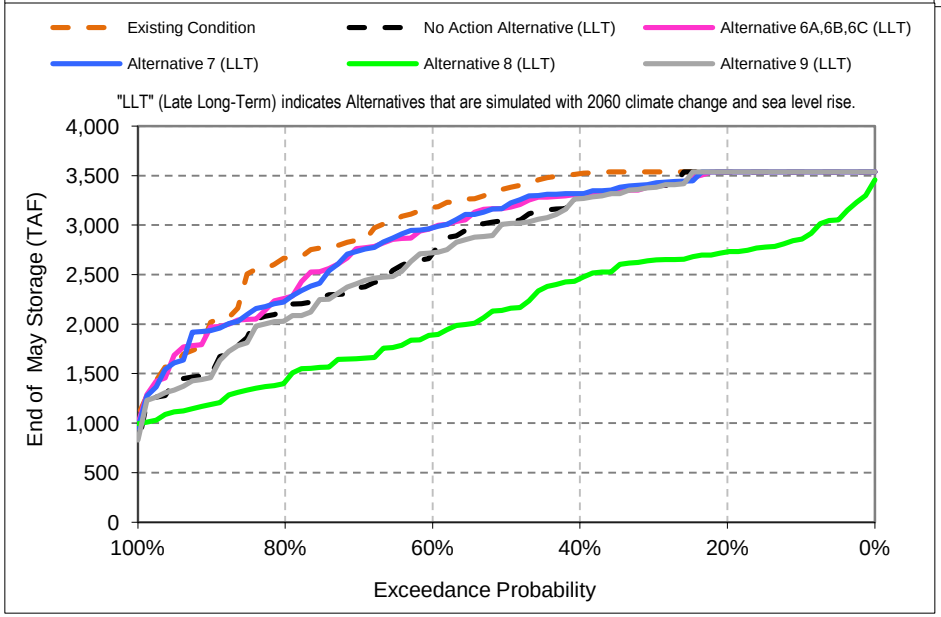
a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

C.3. Oroville Storage



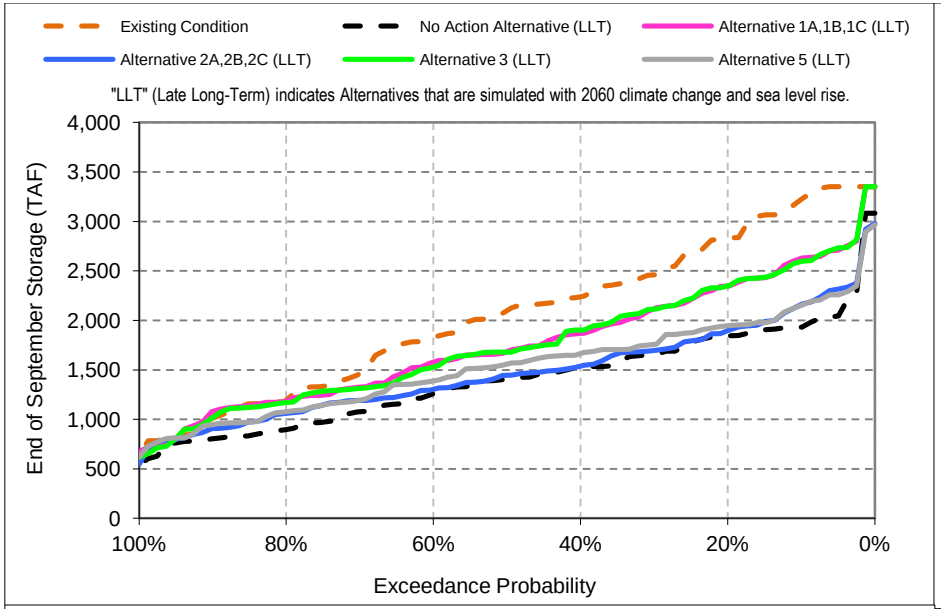


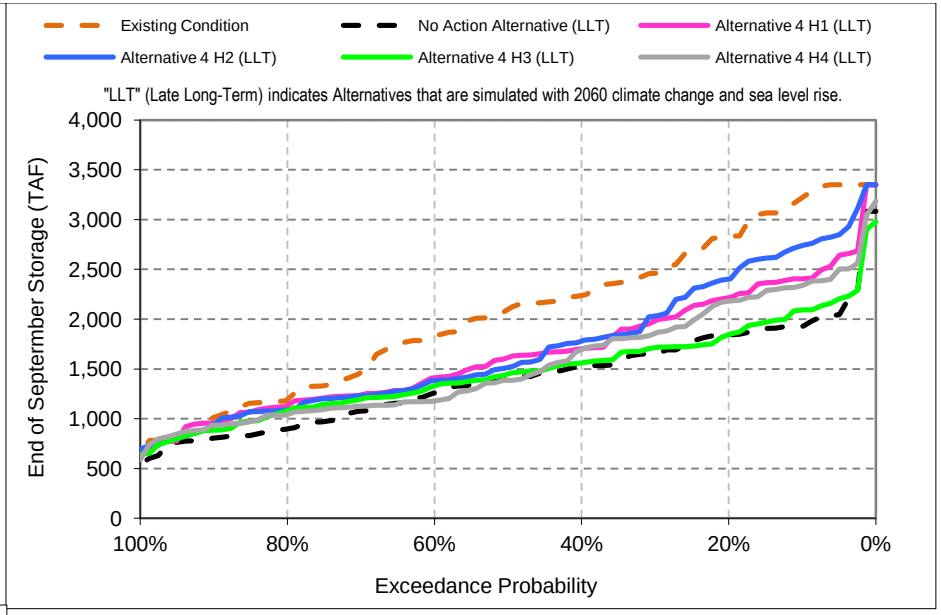


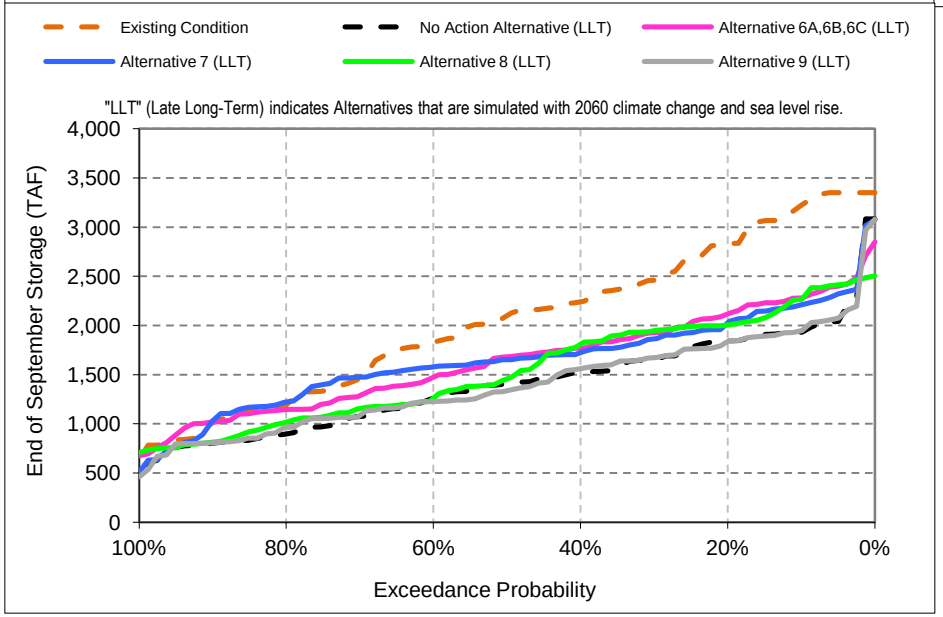
Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-3-1. Lake Oroville, End of May Storage







Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-3-2. Lake Oroville, End of September Storage

Table C-3-1. Lake Oroville, End of Month Storage

Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,161	3,046	2,987	2,976	3,052	3,116	3,395	3,538	3,538	3,378	3,278	3,221
20%	2,778	2,876	2,812	2,869	2,946	3,025	3,352	3,538	3,538	3,037	2,862	2,831
30%	2,408	2,583	2,787	2,792	2,853	2,981	3,293	3,538	3,538	2,959	2,563	2,461
40%	2,169	2,291	2,559	2,788	2,788	2,938	3,237	3,520	3,380	2,789	2,399	2,239
50%	2,031	2,081	2,337	2,688	2,788	2,841	3,205	3,371	3,199	2,651	2,232	2,099
60%	1,690	1,792	2,004	2,217	2,588	2,788	3,100	3,179	3,025	2,422	2,010	1,828
70%	1,443	1,426	1,512	1,891	2,203	2,584	2,807	2,847	2,697	2,105	1,614	1,464
80%	1,156	1,220	1,291	1,490	1,892	2,248	2,563	2,666	2,467	1,885	1,378	1,194
90%	1,031	1,065	1,145	1,293	1,480	1,720	1,759	2,024	1,858	1,283	1,065	1,012
Long Term												
Full Simulation Period[a]	1,980	2,032	2,141	2,305	2,470	2,644	2,918	3,053	2,945	2,460	2,162	2,054
Water Year Types[b]												
Wet (32%)	2,280	2,366	2,576	2,760	2,889	2,943	3,303	3,507	3,488	3,146	2,986	2,899
Above Normal (15%)	1,922	2,023	2,154	2,459	2,660	2,937	3,298	3,497	3,397	2,848	2,483	2,374
Below Normal (17%)	2,027	2,040	2,115	2,285	2,483	2,673	3,046	3,264	3,163	2,577	2,177	2,018
Dry (22%)	1,818	1,852	1,913	2,009	2,226	2,520	2,713	2,756	2,556	1,977	1,508	1,361
Critical (15%)	1,574	1,576	1,557	1,632	1,721	1,858	1,857	1,824	1,644	1,174	1,022	984

No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,902	2,079	2,701	2,788	2,961	3,056	3,354	3,538	3,535	2,894	2,432	1,931
20%	1,766	1,849	2,149	2,787	2,788	2,983	3,292	3,538	3,310	2,680	2,250	1,843
30%	1,543	1,680	1,962	2,516	2,788	2,937	3,245	3,396	3,148	2,498	2,070	1,655
40%	1,425	1,442	1,817	2,150	2,672	2,809	3,213	3,305	2,970	2,346	1,893	1,523
50%	1,321	1,354	1,533	1,912	2,384	2,786	3,013	3,042	2,816	2,190	1,691	1,406
60%	1,177	1,221	1,337	1,694	2,132	2,499	2,745	2,712	2,415	1,833	1,462	1,260
70%	1,050	1,098	1,231	1,512	1,875	2,290	2,411	2,369	2,121	1,496	1,164	1,076
80%	873	935	1,104	1,308	1,638	1,912	2,170	2,152	1,911	1,297	953	898
90%	786	804	904	1,161	1,407	1,627	1,667	1,497	1,305	942	834	805
Long Term												
Full Simulation Period[a]	1,347	1,411	1,657	1,971	2,278	2,495	2,739	2,795	2,582	2,025	1,667	1,408
Water Year Types[b]												
Wet (32%)	1,522	1,661	2,212	2,626	2,883	2,945	3,290	3,461	3,292	2,730	2,353	1,885
Above Normal (15%)	1,362	1,429	1,581	2,146	2,612	2,930	3,261	3,341	3,096	2,455	1,987	1,583
Below Normal (17%)	1,292	1,308	1,418	1,725	2,172	2,497	2,835	2,911	2,676	2,065	1,612	1,409
Dry (22%)	1,224	1,265	1,372	1,533	1,822	2,156	2,299	2,236	1,981	1,401	1,058	1,008
Critical (15%)	1,199	1,191	1,238	1,321	1,440	1,592	1,574	1,508	1,324	959	838	796

No Action Alternative (LLT) minus Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-1,258	-967	-286	-188	-91	-60	-41	0	-3	-484	-846	-1,290
20%	-1,012	-1,027	-663	-82	-158	-42	-60	0	-228	-357	-612	-988
30%	-865	-904	-825	-276	-65	-44	-48	-142	-390	-461	-493	-806
40%	-744	-848	-742	-638	-116	-129	-25	-214	-410	-443	-506	-716
50%	-709	-727	-804	-776	-404	-55	-192	-329	-383	-462	-541	-693
60%	-513	-571	-668	-524	-456	-289	-355	-468	-610	-589	-549	-568
70%	-393	-327	-282	-380	-328	-293	-396	-477	-576	-609	-450	-389
80%	-283	-285	-188	-182	-254	-336	-393	-513	-556	-587	-425	-296
90%	-245	-261	-241	-133	-72	-93	-92	-527	-553	-341	-231	-208
Long Term												
Full Simulation Period[a]	-633	-621	-484	-334	-192	-149	-178	-258	-362	-435	-496	-646
Water Year Types[b]												
Wet (32%)	-758	-705	-363	-134	-6	2	-13	-47	-196	-416	-633	-1,014
Above Normal (15%)	-560	-594	-573	-313	-48	-7	-37	-156	-302	-393	-496	-791
Below Normal (17%)	-736	-732	-697	-560	-311	-176	-211	-353	-487	-512	-565	-610
Dry (22%)	-594	-588	-541	-476	-404	-364	-415	-520	-575	-576	-450	-353
Critical (15%)	-375	-385	-320	-311	-281	-266	-283	-317	-319	-215	-184	-187

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-3-2. Lake Oroville, End of Month Storage

Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,161	3,046	2,987	2,976	3,052	3,116	3,395	3,538	3,538	3,378	3,278	3,221
20%	2,778	2,876	2,812	2,869	2,946	3,025	3,352	3,538	3,538	3,037	2,862	2,831
30%	2,408	2,583	2,787	2,792	2,853	2,981	3,293	3,538	3,538	2,959	2,563	2,461
40%	2,169	2,291	2,559	2,788	2,788	2,938	3,237	3,520	3,380	2,789	2,399	2,239
50%	2,031	2,081	2,337	2,688	2,788	2,841	3,205	3,371	3,199	2,651	2,232	2,099
60%	1,690	1,792	2,004	2,217	2,588	2,788	3,100	3,179	3,025	2,422	2,010	1,828
70%	1,443	1,426	1,512	1,891	2,203	2,584	2,807	2,847	2,697	2,105	1,614	1,464
80%	1,156	1,220	1,291	1,490	1,892	2,248	2,563	2,666	2,467	1,885	1,378	1,194
90%	1,031	1,065	1,145	1,293	1,480	1,720	1,759	2,024	1,858	1,283	1,065	1,012
Long Term												
Full Simulation Period[a]	1,980	2,032	2,141	2,305	2,470	2,644	2,918	3,053	2,945	2,460	2,162	2,054
Water Year Types[b]												
Wet (32%)	2,280	2,366	2,576	2,760	2,889	2,943	3,303	3,507	3,488	3,146	2,986	2,899
Above Normal (15%)	1,922	2,023	2,154	2,459	2,660	2,937	3,298	3,497	3,397	2,848	2,483	2,374
Below Normal (17%)	2,027	2,040	2,115	2,285	2,483	2,673	3,046	3,264	3,163	2,577	2,177	2,018
Dry (22%)	1,818	1,852	1,913	2,009	2,226	2,520	2,713	2,756	2,556	1,977	1,508	1,361
Critical (15%)	1,574	1,576	1,557	1,632	1,721	1,858	1,857	1,824	1,644	1,174	1,022	984

Alternative 1A,1B,1C (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,491	2,575	2,788	2,854	2,986	3,093	3,352	3,538	3,372	2,933	2,669	2,627
20%	2,287	2,420	2,632	2,788	2,856	3,023	3,295	3,538	3,205	2,719	2,406	2,348
30%	2,123	2,235	2,420	2,788	2,811	2,960	3,238	3,312	2,914	2,438	2,136	2,117
40%	1,758	1,898	2,231	2,623	2,788	2,909	3,212	3,158	2,791	2,305	1,972	1,867
50%	1,568	1,604	1,874	2,387	2,788	2,796	3,141	3,006	2,626	2,168	1,813	1,684
60%	1,422	1,454	1,605	1,916	2,319	2,788	2,868	2,822	2,408	1,962	1,677	1,577
70%	1,261	1,332	1,349	1,619	2,043	2,479	2,528	2,511	2,156	1,745	1,454	1,325
80%	1,121	1,153	1,266	1,397	1,768	1,989	2,183	2,097	1,944	1,613	1,327	1,183
90%	1,015	1,018	1,005	1,267	1,456	1,700	1,697	1,644	1,497	1,224	1,137	1,081
Long Term												
Full Simulation Period[a]	1,676	1,733	1,906	2,153	2,390	2,579	2,791	2,797	2,521	2,120	1,846	1,762
Water Year Types[b]												
Wet (32%)	1,925	2,044	2,473	2,739	2,894	2,942	3,288	3,416	3,183	2,754	2,476	2,432
Above Normal (15%)	1,753	1,838	1,919	2,410	2,744	2,947	3,258	3,260	2,873	2,349	1,980	1,870
Below Normal (17%)	1,590	1,605	1,672	1,974	2,343	2,644	2,928	2,885	2,536	2,084	1,791	1,678
Dry (22%)	1,539	1,570	1,649	1,765	2,043	2,359	2,429	2,346	2,077	1,720	1,436	1,319
Critical (15%)	1,365	1,351	1,321	1,420	1,522	1,679	1,632	1,564	1,382	1,157	1,029	964

Alternative 1A,1B,1C (LLT) minus Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-669	-471	-199	-122	-66	-23	-43	0	-166	-446	-609	-594
20%	-491	-456	-180	-81	-90	-2	-57	0	-333	-318	-456	-483
30%	-285	-349	-367	-4	-42	-21	-54	-226	-624	-522	-428	-344
40%	-411	-392	-328	-165	0	-29	-26	-361	-590	-483	-427	-372
50%	-463	-478	-463	-300	-1	-45	-64	-366	-573	-483	-420	-415
60%	-268	-338	-399	-302	-270	0	-232	-358	-618	-460	-333	-251
70%	-182	-94	-164	-272	-160	-104	-279	-335	-541	-361	-160	-140
80%	-35	-67	-26	-93	-124	-259	-380	-569	-523	-272	-51	-10
90%	-16	-47	-140	-26	-23	-20	-62	-380	-361	-59	72	68
Long Term												
Full Simulation Period[a]	-304	-298	-235	-151	-79	-65	-126	-256	-424	-340	-316	-292
Water Year Types[b]												
Wet (32%)	-356	-323	-103	-21	5	-1	-15	-91	-305	-392	-510	-467
Above Normal (15%)	-169	-185	-234	-49	83	10	-41	-237	-524	-499	-504	-504
Below Normal (17%)	-437	-435	-443	-311	-140	-29	-118	-379	-627	-493	-385	-340
Dry (22%)	-279	-283	-264	-244	-183	-161	-284	-410	-479	-257	-72	-42
Critical (15%)	-209	-224	-236	-212	-199	-178	-225	-260	-262	-18	7	-20

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-3-3. Lake Oroville, End of Month Storage

Existing Condition

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,161	3,046	2,987	2,976	3,052	3,116	3,395	3,538	3,538	3,378	3,278	3,221
20%	2,778	2,876	2,812	2,869	2,946	3,025	3,352	3,538	3,538	3,037	2,862	2,831
30%	2,408	2,583	2,787	2,792	2,853	2,981	3,293	3,538	3,538	2,959	2,563	2,461
40%	2,169	2,291	2,559	2,788	2,788	2,938	3,237	3,520	3,380	2,789	2,399	2,239
50%	2,031	2,081	2,337	2,688	2,788	2,841	3,205	3,371	3,199	2,651	2,232	2,099
60%	1,690	1,792	2,004	2,217	2,588	2,788	3,100	3,179	3,025	2,422	2,010	1,828
70%	1,443	1,426	1,512	1,891	2,203	2,584	2,807	2,847	2,697	2,105	1,614	1,464
80%	1,156	1,220	1,291	1,490	1,892	2,248	2,563	2,666	2,467	1,885	1,378	1,194
90%	1,031	1,065	1,145	1,293	1,480	1,720	1,759	2,024	1,858	1,283	1,065	1,012
Long Term												
Full Simulation Period[a]	1,980	2,032	2,141	2,305	2,470	2,644	2,918	3,053	2,945	2,460	2,162	2,054
Water Year Types[b]												
Wet (32%)	2,280	2,366	2,576	2,760	2,889	2,943	3,303	3,507	3,488	3,146	2,986	2,899
Above Normal (15%)	1,922	2,023	2,154	2,459	2,660	2,937	3,298	3,497	3,397	2,848	2,483	2,374
Below Normal (17%)	2,027	2,040	2,115	2,285	2,483	2,673	3,046	3,264	3,163	2,577	2,177	2,018
Dry (22%)	1,818	1,852	1,913	2,009	2,226	2,520	2,713	2,756	2,556	1,977	1,508	1,361
Critical (15%)	1,574	1,576	1,557	1,632	1,721	1,858	1,857	1,824	1,644	1,174	1,022	984

Alternative 2A,2B,2C (LLT)

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,074	2,254	2,731	2,843	2,927	3,035	3,352	3,538	3,305	2,874	2,546	2,161
20%	1,848	1,983	2,264	2,788	2,830	2,990	3,292	3,538	3,131	2,608	2,311	1,896
30%	1,605	1,710	2,009	2,577	2,788	2,944	3,244	3,337	2,821	2,265	1,985	1,696
40%	1,455	1,471	1,896	2,322	2,788	2,841	3,208	3,177	2,669	2,109	1,773	1,538
50%	1,278	1,362	1,610	2,002	2,564	2,788	3,089	2,982	2,512	1,979	1,639	1,445
60%	1,226	1,256	1,400	1,693	2,153	2,637	2,782	2,673	2,260	1,831	1,491	1,303
70%	1,134	1,176	1,273	1,509	1,858	2,212	2,477	2,500	2,130	1,652	1,318	1,191
80%	1,023	1,066	1,148	1,386	1,649	1,866	1,998	1,967	1,760	1,380	1,114	1,062
90%	863	851	1,030	1,256	1,431	1,622	1,666	1,546	1,359	1,093	952	907
Long Term												
Full Simulation Period[a]	1,413	1,481	1,715	2,038	2,308	2,520	2,746	2,763	2,436	1,989	1,704	1,486
Water Year Types[b]												
Wet (32%)	1,576	1,717	2,226	2,677	2,865	2,945	3,290	3,429	3,131	2,661	2,374	1,970
Above Normal (15%)	1,494	1,582	1,746	2,312	2,705	2,947	3,275	3,292	2,800	2,195	1,822	1,515
Below Normal (17%)	1,367	1,387	1,481	1,789	2,221	2,553	2,864	2,860	2,459	1,923	1,569	1,459
Dry (22%)	1,260	1,299	1,410	1,551	1,839	2,171	2,265	2,180	1,891	1,512	1,248	1,169
Critical (15%)	1,266	1,251	1,305	1,398	1,510	1,659	1,623	1,552	1,357	1,116	974	913

Alternative 2A,2B,2C (LLT) minus Existing Condition

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-1,086	-793	-256	-133	-125	-81	-43	0	-233	-504	-732	-1,059
20%	-930	-893	-548	-81	-116	-35	-60	0	-407	-429	-551	-935
30%	-803	-874	-778	-216	-65	-37	-49	-201	-717	-694	-578	-765
40%	-713	-820	-664	-466	0	-96	-29	-343	-711	-679	-627	-701
50%	-752	-720	-727	-686	-224	-53	-116	-389	-687	-673	-593	-653
60%	-464	-536	-605	-525	-435	-151	-318	-506	-765	-591	-519	-525
70%	-309	-249	-239	-382	-345	-372	-330	-347	-567	-453	-296	-273
80%	-133	-154	-144	-104	-243	-382	-564	-699	-707	-504	-264	-132
90%	-168	-214	-115	-37	-48	-98	-93	-478	-499	-190	-113	-105
Long Term												
Full Simulation Period[a]	-566	-551	-426	-267	-162	-124	-171	-290	-509	-472	-458	-568
Water Year Types[b]												
Wet (32%)	-704	-650	-350	-83	-24	2	-13	-78	-357	-485	-612	-930
Above Normal (15%)	-428	-440	-408	-147	44	10	-23	-205	-597	-654	-661	-859
Below Normal (17%)	-660	-652	-634	-496	-262	-120	-181	-404	-704	-654	-607	-559
Dry (22%)	-558	-553	-503	-458	-387	-349	-449	-576	-665	-465	-260	-192
Critical (15%)	-309	-324	-252	-234	-211	-199	-234	-272	-286	-58	-48	-71

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-3-4. Lake Oroville, End of Month Storage

Existing Condition

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,161	3,046	2,987	2,976	3,052	3,116	3,395	3,538	3,538	3,378	3,278	3,221
20%	2,778	2,876	2,812	2,869	2,946	3,025	3,352	3,538	3,538	3,037	2,862	2,831
30%	2,408	2,583	2,787	2,792	2,853	2,981	3,293	3,538	3,538	2,959	2,563	2,461
40%	2,169	2,291	2,559	2,788	2,788	2,938	3,237	3,520	3,380	2,789	2,399	2,239
50%	2,031	2,081	2,337	2,688	2,788	2,841	3,205	3,371	3,199	2,651	2,232	2,099
60%	1,690	1,792	2,004	2,217	2,588	2,788	3,100	3,179	3,025	2,422	2,010	1,828
70%	1,443	1,426	1,512	1,891	2,203	2,584	2,807	2,847	2,697	2,105	1,614	1,464
80%	1,156	1,220	1,291	1,490	1,892	2,248	2,563	2,666	2,467	1,885	1,378	1,194
90%	1,031	1,065	1,145	1,293	1,480	1,720	1,759	2,024	1,858	1,283	1,065	1,012
Long Term												
Full Simulation Period[a]	1,980	2,032	2,141	2,305	2,470	2,644	2,918	3,053	2,945	2,460	2,162	2,054
Water Year Types[b]												
Wet (32%)	2,280	2,366	2,576	2,760	2,889	2,943	3,303	3,507	3,488	3,146	2,986	2,899
Above Normal (15%)	1,922	2,023	2,154	2,459	2,660	2,937	3,298	3,497	3,397	2,848	2,483	2,374
Below Normal (17%)	2,027	2,040	2,115	2,285	2,483	2,673	3,046	3,264	3,163	2,577	2,177	2,018
Dry (22%)	1,818	1,852	1,913	2,009	2,226	2,520	2,713	2,756	2,556	1,977	1,508	1,361
Critical (15%)	1,574	1,576	1,557	1,632	1,721	1,858	1,857	1,824	1,644	1,174	1,022	984

Alternative 3 (LLT)

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,458	2,589	2,788	2,852	2,985	3,092	3,352	3,538	3,371	2,934	2,633	2,595
20%	2,318	2,391	2,656	2,788	2,856	3,014	3,292	3,538	3,209	2,709	2,406	2,347
30%	2,127	2,234	2,410	2,787	2,811	2,961	3,238	3,337	2,965	2,455	2,174	2,114
40%	1,795	1,910	2,219	2,606	2,788	2,920	3,218	3,190	2,819	2,327	1,999	1,903
50%	1,531	1,597	1,867	2,386	2,707	2,807	3,157	3,033	2,680	2,196	1,814	1,680
60%	1,433	1,397	1,630	1,896	2,330	2,788	2,910	2,851	2,499	1,983	1,688	1,529
70%	1,195	1,301	1,358	1,625	2,027	2,369	2,547	2,516	2,212	1,806	1,452	1,313
80%	1,134	1,156	1,227	1,399	1,734	1,956	2,173	2,034	1,805	1,572	1,302	1,168
90%	903	868	969	1,261	1,480	1,697	1,717	1,666	1,527	1,234	1,104	1,020
Long Term												
Full Simulation Period[a]	1,666	1,723	1,895	2,140	2,382	2,569	2,787	2,802	2,538	2,121	1,845	1,756
Water Year Types[b]												
Wet (32%)	1,927	2,046	2,475	2,742	2,904	2,945	3,288	3,424	3,191	2,752	2,476	2,422
Above Normal (15%)	1,715	1,798	1,880	2,362	2,723	2,947	3,267	3,280	2,922	2,387	2,025	1,892
Below Normal (17%)	1,577	1,596	1,653	1,947	2,324	2,633	2,923	2,921	2,604	2,118	1,766	1,646
Dry (22%)	1,544	1,566	1,640	1,745	2,006	2,311	2,400	2,312	2,053	1,691	1,433	1,331
Critical (15%)	1,341	1,331	1,318	1,430	1,544	1,689	1,642	1,569	1,392	1,135	1,009	944

Alternative 3 (LLT) minus Existing Condition

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-702	-457	-199	-124	-67	-24	-43	0	-167	-445	-645	-626
20%	-460	-485	-155	-81	-90	-11	-60	0	-329	-329	-456	-484
30%	-281	-349	-377	-5	-42	-20	-54	-201	-573	-504	-389	-347
40%	-373	-381	-341	-182	0	-17	-20	-330	-561	-462	-400	-337
50%	-500	-484	-470	-302	-81	-34	-48	-338	-519	-455	-419	-418
60%	-256	-396	-374	-321	-258	0	-189	-329	-527	-438	-322	-299
70%	-248	-125	-155	-266	-176	-214	-260	-331	-485	-299	-162	-151
80%	-22	-64	-64	-91	-158	-292	-390	-632	-662	-312	-76	-25
90%	-127	-197	-176	-32	0	-23	-42	-358	-331	-49	38	7
Long Term												
Full Simulation Period[a]	-313	-309	-246	-165	-87	-75	-131	-252	-406	-339	-317	-298
Water Year Types[b]												
Wet (32%)	-353	-320	-101	-18	15	2	-16	-83	-297	-394	-510	-477
Above Normal (15%)	-207	-224	-274	-97	63	10	-32	-217	-475	-461	-458	-482
Below Normal (17%)	-451	-444	-462	-338	-159	-40	-122	-343	-559	-459	-411	-372
Dry (22%)	-274	-286	-274	-264	-220	-209	-314	-444	-503	-286	-75	-30
Critical (15%)	-234	-244	-239	-202	-177	-169	-215	-256	-251	-39	-14	-40

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-3-5. Lake Oroville, End of Month Storage

Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,161	3,046	2,987	2,976	3,052	3,116	3,395	3,538	3,538	3,378	3,278	3,221
20%	2,778	2,876	2,812	2,869	2,946	3,025	3,352	3,538	3,538	3,037	2,862	2,831
30%	2,408	2,583	2,787	2,792	2,853	2,981	3,293	3,538	3,538	2,959	2,563	2,461
40%	2,169	2,291	2,559	2,788	2,788	2,938	3,237	3,520	3,380	2,789	2,399	2,239
50%	2,031	2,081	2,337	2,688	2,788	2,841	3,205	3,371	3,199	2,651	2,232	2,099
60%	1,690	1,792	2,004	2,217	2,588	2,788	3,100	3,179	3,025	2,422	2,010	1,828
70%	1,443	1,426	1,512	1,891	2,203	2,584	2,807	2,847	2,697	2,105	1,614	1,464
80%	1,156	1,220	1,291	1,490	1,892	2,248	2,563	2,666	2,467	1,885	1,378	1,194
90%	1,031	1,065	1,145	1,293	1,480	1,720	1,759	2,024	1,858	1,283	1,065	1,012
Long Term												
Full Simulation Period[a]	1,980	2,032	2,141	2,305	2,470	2,644	2,918	3,053	2,945	2,460	2,162	2,054
Water Year Types[b]												
Wet (32%)	2,280	2,366	2,576	2,760	2,889	2,943	3,303	3,507	3,488	3,146	2,986	2,899
Above Normal (15%)	1,922	2,023	2,154	2,459	2,660	2,937	3,298	3,497	3,397	2,848	2,483	2,374
Below Normal (17%)	2,027	2,040	2,115	2,285	2,483	2,673	3,046	3,264	3,163	2,577	2,177	2,018
Dry (22%)	1,818	1,852	1,913	2,009	2,226	2,520	2,713	2,756	2,556	1,977	1,508	1,361
Critical (15%)	1,574	1,576	1,557	1,632	1,721	1,858	1,857	1,824	1,644	1,174	1,022	984

Alternative 4 H1 (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,297	2,448	2,788	2,853	2,961	3,068	3,354	3,538	3,397	2,865	2,499	2,406
20%	2,160	2,275	2,544	2,788	2,856	2,998	3,292	3,538	3,128	2,622	2,267	2,215
30%	1,978	2,130	2,331	2,769	2,801	2,953	3,267	3,368	2,924	2,353	2,015	1,983
40%	1,586	1,675	2,101	2,506	2,788	2,920	3,228	3,293	2,768	2,180	1,823	1,702
50%	1,490	1,494	1,784	2,302	2,726	2,793	3,146	3,080	2,631	2,046	1,665	1,614
60%	1,280	1,346	1,573	1,846	2,321	2,721	2,828	2,787	2,388	1,923	1,544	1,410
70%	1,178	1,219	1,328	1,598	2,056	2,486	2,590	2,623	2,259	1,767	1,382	1,240
80%	1,059	1,072	1,183	1,448	1,764	2,039	2,179	2,158	1,954	1,579	1,252	1,131
90%	958	945	993	1,277	1,479	1,721	1,695	1,623	1,420	1,165	1,038	959
Long Term												
Full Simulation Period[a]	1,584	1,643	1,851	2,122	2,380	2,577	2,805	2,833	2,524	2,053	1,748	1,658
Water Year Types[b]												
Wet (32%)	1,808	1,925	2,394	2,709	2,889	2,945	3,290	3,442	3,164	2,659	2,355	2,309
Above Normal (15%)	1,620	1,706	1,853	2,370	2,734	2,947	3,271	3,300	2,873	2,246	1,864	1,729
Below Normal (17%)	1,521	1,541	1,619	1,928	2,322	2,644	2,952	2,979	2,579	2,034	1,650	1,527
Dry (22%)	1,474	1,505	1,623	1,760	2,048	2,377	2,480	2,392	2,101	1,674	1,366	1,253
Critical (15%)	1,301	1,298	1,284	1,369	1,486	1,633	1,601	1,535	1,357	1,139	1,006	934

Alternative 4 H1 (LLT) minus Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-864	-599	-199	-123	-91	-48	-41	0	-141	-514	-779	-814
20%	-618	-601	-268	-81	-90	-27	-60	0	-410	-415	-595	-616
30%	-430	-453	-455	-23	-52	-28	-26	-170	-614	-607	-549	-478
40%	-583	-616	-459	-282	0	-17	-9	-226	-612	-608	-576	-537
50%	-541	-587	-553	-385	-62	-49	-59	-291	-568	-606	-567	-485
60%	-409	-446	-432	-371	-267	-67	-272	-393	-637	-498	-466	-418
70%	-265	-206	-184	-294	-147	-97	-217	-224	-438	-338	-232	-224
80%	-98	-148	-109	-42	-128	-209	-383	-508	-513	-305	-126	-62
90%	-73	-120	-152	-16	-1	1	-64	-400	-438	-118	-27	-54
Long Term												
Full Simulation Period[a]	-396	-388	-290	-183	-90	-67	-113	-220	-421	-407	-414	-396
Water Year Types[b]												
Wet (32%)	-472	-441	-182	-50	0	2	-13	-65	-324	-487	-632	-591
Above Normal (15%)	-302	-317	-301	-89	74	10	-27	-197	-524	-602	-620	-645
Below Normal (17%)	-506	-499	-496	-357	-161	-28	-94	-285	-584	-543	-527	-491
Dry (22%)	-344	-347	-290	-249	-178	-143	-233	-365	-455	-303	-142	-108
Critical (15%)	-274	-278	-273	-263	-235	-225	-256	-289	-286	-35	-16	-50

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-3-6. Lake Oroville, End of Month Storage

Existing Condition

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,161	3,046	2,987	2,976	3,052	3,116	3,395	3,538	3,538	3,378	3,278	3,221
20%	2,778	2,876	2,812	2,869	2,946	3,025	3,352	3,538	3,538	3,037	2,862	2,831
30%	2,408	2,583	2,787	2,792	2,853	2,981	3,293	3,538	3,538	2,959	2,563	2,461
40%	2,169	2,291	2,559	2,788	2,788	2,938	3,237	3,520	3,380	2,789	2,399	2,239
50%	2,031	2,081	2,337	2,688	2,788	2,841	3,205	3,371	3,199	2,651	2,232	2,099
60%	1,690	1,792	2,004	2,217	2,588	2,788	3,100	3,179	3,025	2,422	2,010	1,828
70%	1,443	1,426	1,512	1,891	2,203	2,584	2,807	2,847	2,697	2,105	1,614	1,464
80%	1,156	1,220	1,291	1,490	1,892	2,248	2,563	2,666	2,467	1,885	1,378	1,194
90%	1,031	1,065	1,145	1,293	1,480	1,720	1,759	2,024	1,858	1,283	1,065	1,012
Long Term												
Full Simulation Period[a]	1,980	2,032	2,141	2,305	2,470	2,644	2,918	3,053	2,945	2,460	2,162	2,054
Water Year Types[b]												
Wet (32%)	2,280	2,366	2,576	2,760	2,889	2,943	3,303	3,507	3,488	3,146	2,986	2,899
Above Normal (15%)	1,922	2,023	2,154	2,459	2,660	2,937	3,298	3,497	3,397	2,848	2,483	2,374
Below Normal (17%)	2,027	2,040	2,115	2,285	2,483	2,673	3,046	3,264	3,163	2,577	2,177	2,018
Dry (22%)	1,818	1,852	1,913	2,009	2,226	2,520	2,713	2,756	2,556	1,977	1,508	1,361
Critical (15%)	1,574	1,576	1,557	1,632	1,721	1,858	1,857	1,824	1,644	1,174	1,022	984

Alternative 4 H2 (LLT)

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,618	2,649	2,788	2,854	2,985	3,093	3,348	3,538	3,420	2,926	2,760	2,739
20%	2,392	2,431	2,719	2,788	2,870	3,020	3,243	3,536	3,197	2,733	2,531	2,402
30%	1,872	1,997	2,449	2,788	2,811	2,964	3,206	3,213	2,816	2,334	2,106	2,031
40%	1,672	1,691	2,025	2,553	2,788	2,932	3,107	2,999	2,693	2,113	1,862	1,781
50%	1,418	1,585	1,768	2,274	2,788	2,838	2,711	2,645	2,336	1,872	1,675	1,514
60%	1,292	1,410	1,624	1,921	2,451	2,788	2,477	2,324	2,058	1,688	1,453	1,382
70%	1,208	1,289	1,466	1,720	2,161	2,446	2,335	2,065	1,909	1,610	1,368	1,231
80%	1,102	1,163	1,344	1,594	1,880	2,181	2,267	1,993	1,842	1,494	1,178	1,088
90%	1,027	1,023	1,129	1,427	1,637	1,834	2,004	1,975	1,715	1,321	1,014	945
Long Term												
Full Simulation Period[a]	1,644	1,707	1,916	2,183	2,438	2,634	2,714	2,668	2,424	2,030	1,787	1,713
Water Year Types[b]												
Wet (32%)	1,833	1,958	2,354	2,685	2,893	2,945	3,088	3,097	2,936	2,551	2,354	2,321
Above Normal (15%)	1,469	1,564	1,800	2,310	2,629	2,883	2,951	2,889	2,617	2,196	1,903	1,822
Below Normal (17%)	1,622	1,642	1,752	2,030	2,378	2,662	2,692	2,642	2,288	1,809	1,500	1,423
Dry (22%)	1,493	1,540	1,666	1,805	2,096	2,427	2,532	2,436	2,139	1,721	1,452	1,347
Critical (15%)	1,659	1,631	1,650	1,718	1,843	1,988	1,965	1,900	1,709	1,455	1,281	1,172

Alternative 4 H2 (LLT) minus Existing Condition

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-543	-397	-199	-122	-68	-23	-47	0	-118	-453	-517	-482
20%	-386	-446	-92	-81	-76	-4	-108	-2	-341	-304	-331	-429
30%	-535	-587	-338	-5	-42	-17	-87	-325	-722	-625	-458	-430
40%	-496	-599	-534	-235	0	-5	-131	-520	-687	-675	-538	-458
50%	-613	-496	-569	-413	-1	-3	-494	-726	-863	-779	-557	-585
60%	-397	-382	-381	-296	-137	0	-622	-855	-967	-734	-557	-446
70%	-235	-136	-46	-171	-42	-137	-473	-782	-788	-495	-247	-233
80%	-54	-57	52	104	-12	-67	-296	-672	-625	-391	-200	-106
90%	-4	-42	-16	134	157	114	245	-49	-143	38	-51	-67
Long Term												
Full Simulation Period[a]	-336	-325	-225	-121	-32	-10	-204	-385	-521	-430	-375	-341
Water Year Types[b]												
Wet (32%)	-447	-408	-222	-75	4	2	-216	-411	-552	-595	-632	-578
Above Normal (15%)	-453	-459	-354	-149	-31	-54	-347	-608	-781	-653	-581	-552
Below Normal (17%)	-405	-397	-363	-255	-105	-11	-354	-622	-875	-768	-677	-595
Dry (22%)	-325	-312	-248	-204	-130	-93	-181	-321	-417	-257	-56	-14
Critical (15%)	84	56	93	86	122	131	108	75	66	281	259	188

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-3-7. Lake Oroville, End of Month Storage

Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,161	3,046	2,987	2,976	3,052	3,116	3,395	3,538	3,538	3,378	3,278	3,221
20%	2,778	2,876	2,812	2,869	2,946	3,025	3,352	3,538	3,538	3,037	2,862	2,831
30%	2,408	2,583	2,787	2,792	2,853	2,981	3,293	3,538	3,538	2,959	2,563	2,461
40%	2,169	2,291	2,559	2,788	2,788	2,938	3,237	3,520	3,380	2,789	2,399	2,239
50%	2,031	2,081	2,337	2,688	2,788	2,841	3,205	3,371	3,199	2,651	2,232	2,099
60%	1,690	1,792	2,004	2,217	2,588	2,788	3,100	3,179	3,025	2,422	2,010	1,828
70%	1,443	1,426	1,512	1,891	2,203	2,584	2,807	2,847	2,697	2,105	1,614	1,464
80%	1,156	1,220	1,291	1,490	1,892	2,248	2,563	2,666	2,467	1,885	1,378	1,194
90%	1,031	1,065	1,145	1,293	1,480	1,720	1,759	2,024	1,858	1,283	1,065	1,012
Long Term												
Full Simulation Period[a]	1,980	2,032	2,141	2,305	2,470	2,644	2,918	3,053	2,945	2,460	2,162	2,054
Water Year Types[b]												
Wet (32%)	2,280	2,366	2,576	2,760	2,889	2,943	3,303	3,507	3,488	3,146	2,986	2,899
Above Normal (15%)	1,922	2,023	2,154	2,459	2,660	2,937	3,298	3,497	3,397	2,848	2,483	2,374
Below Normal (17%)	2,027	2,040	2,115	2,285	2,483	2,673	3,046	3,264	3,163	2,577	2,177	2,018
Dry (22%)	1,818	1,852	1,913	2,009	2,226	2,520	2,713	2,756	2,556	1,977	1,508	1,361
Critical (15%)	1,574	1,576	1,557	1,632	1,721	1,858	1,857	1,824	1,644	1,174	1,022	984

Alternative 4 H3 (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,982	2,133	2,686	2,843	2,924	3,035	3,354	3,538	3,398	2,790	2,459	2,092
20%	1,811	1,903	2,230	2,788	2,796	2,985	3,292	3,538	3,093	2,599	2,259	1,845
30%	1,574	1,712	1,992	2,605	2,788	2,941	3,262	3,355	2,890	2,271	1,971	1,714
40%	1,476	1,515	1,867	2,318	2,773	2,841	3,213	3,291	2,779	2,167	1,777	1,561
50%	1,333	1,396	1,602	1,924	2,564	2,788	3,106	3,014	2,561	2,011	1,648	1,448
60%	1,228	1,270	1,447	1,685	2,117	2,574	2,756	2,729	2,303	1,872	1,558	1,330
70%	1,125	1,181	1,324	1,525	1,889	2,168	2,507	2,521	2,131	1,610	1,275	1,197
80%	1,026	1,044	1,167	1,399	1,636	1,908	2,057	2,051	1,813	1,425	1,107	1,081
90%	838	838	1,014	1,257	1,413	1,616	1,607	1,491	1,278	1,080	976	886
Long Term												
Full Simulation Period[a]	1,404	1,470	1,703	2,027	2,295	2,515	2,746	2,771	2,454	1,986	1,689	1,474
Water Year Types[b]												
Wet (32%)	1,570	1,710	2,230	2,687	2,861	2,945	3,290	3,440	3,139	2,620	2,314	1,921
Above Normal (15%)	1,458	1,539	1,720	2,283	2,684	2,947	3,277	3,305	2,875	2,237	1,853	1,551
Below Normal (17%)	1,363	1,378	1,492	1,799	2,228	2,581	2,890	2,902	2,499	1,948	1,575	1,447
Dry (22%)	1,284	1,320	1,429	1,582	1,868	2,199	2,308	2,224	1,939	1,540	1,269	1,191
Critical (15%)	1,221	1,215	1,201	1,278	1,399	1,550	1,523	1,452	1,270	1,075	936	884

Alternative 4 H3 (LLT) minus Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-1,178	-914	-301	-133	-128	-81	-41	0	-140	-588	-819	-1,128
20%	-967	-974	-582	-81	-150	-40	-60	0	-445	-438	-602	-986
30%	-834	-872	-795	-187	-65	-40	-30	-183	-648	-688	-593	-747
40%	-693	-776	-692	-470	-15	-96	-24	-229	-601	-621	-622	-678
50%	-698	-686	-735	-763	-224	-53	-99	-358	-638	-640	-585	-650
60%	-461	-522	-557	-533	-471	-214	-344	-450	-722	-549	-452	-498
70%	-318	-244	-188	-367	-314	-415	-300	-326	-566	-495	-339	-268
80%	-130	-176	-124	-91	-256	-340	-505	-614	-654	-460	-271	-112
90%	-193	-227	-130	-36	-66	-104	-152	-532	-580	-203	-89	-127
Long Term												
Full Simulation Period[a]	-576	-561	-438	-277	-174	-129	-172	-282	-490	-474	-473	-580
Water Year Types[b]												
Wet (32%)	-710	-656	-346	-73	-28	2	-13	-67	-349	-526	-672	-979
Above Normal (15%)	-464	-483	-433	-176	24	10	-21	-192	-522	-611	-630	-823
Below Normal (17%)	-664	-662	-623	-486	-255	-92	-156	-362	-664	-629	-601	-572
Dry (22%)	-534	-532	-484	-427	-358	-321	-406	-532	-617	-437	-239	-170
Critical (15%)	-354	-361	-356	-354	-322	-308	-335	-373	-373	-99	-86	-99

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-3-8. Lake Oroville, End of Month Storage

Existing Condition

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,161	3,046	2,987	2,976	3,052	3,116	3,395	3,538	3,538	3,378	3,278	3,221
20%	2,778	2,876	2,812	2,869	2,946	3,025	3,352	3,538	3,538	3,037	2,862	2,831
30%	2,408	2,583	2,787	2,792	2,853	2,981	3,293	3,538	3,538	2,959	2,563	2,461
40%	2,169	2,291	2,559	2,788	2,788	2,938	3,237	3,520	3,380	2,789	2,399	2,239
50%	2,031	2,081	2,337	2,688	2,788	2,841	3,205	3,371	3,199	2,651	2,232	2,099
60%	1,690	1,792	2,004	2,217	2,588	2,788	3,100	3,179	3,025	2,422	2,010	1,828
70%	1,443	1,426	1,512	1,891	2,203	2,584	2,807	2,847	2,697	2,105	1,614	1,464
80%	1,156	1,220	1,291	1,490	1,892	2,248	2,563	2,666	2,467	1,885	1,378	1,194
90%	1,031	1,065	1,145	1,293	1,480	1,720	1,759	2,024	1,858	1,283	1,065	1,012
Long Term												
Full Simulation Period[a]	1,980	2,032	2,141	2,305	2,470	2,644	2,918	3,053	2,945	2,460	2,162	2,054
Water Year Types[b]												
Wet (32%)	2,280	2,366	2,576	2,760	2,889	2,943	3,303	3,507	3,488	3,146	2,986	2,899
Above Normal (15%)	1,922	2,023	2,154	2,459	2,660	2,937	3,298	3,497	3,397	2,848	2,483	2,374
Below Normal (17%)	2,027	2,040	2,115	2,285	2,483	2,673	3,046	3,264	3,163	2,577	2,177	2,018
Dry (22%)	1,818	1,852	1,913	2,009	2,226	2,520	2,713	2,756	2,556	1,977	1,508	1,361
Critical (15%)	1,574	1,576	1,557	1,632	1,721	1,858	1,857	1,824	1,644	1,174	1,022	984

Alternative 4 H4 (LLT)

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,238	2,304	2,785	2,843	2,952	3,056	3,348	3,538	3,416	2,909	2,764	2,340
20%	2,029	2,101	2,444	2,788	2,849	2,983	3,238	3,532	3,149	2,699	2,470	2,180
30%	1,736	1,865	2,161	2,564	2,788	2,938	3,187	3,161	2,813	2,318	2,040	1,858
40%	1,599	1,649	1,879	2,356	2,788	2,874	2,941	2,837	2,499	2,014	1,804	1,695
50%	1,256	1,417	1,655	2,163	2,569	2,788	2,614	2,493	2,166	1,807	1,562	1,385
60%	1,186	1,239	1,516	1,818	2,308	2,732	2,422	2,261	1,999	1,596	1,380	1,179
70%	1,112	1,159	1,339	1,653	1,922	2,401	2,304	2,026	1,853	1,547	1,256	1,127
80%	1,010	1,074	1,203	1,527	1,752	1,987	2,131	1,993	1,784	1,442	1,163	1,043
90%	919	971	1,104	1,292	1,615	1,876	1,963	1,948	1,710	1,262	1,034	937
Long Term												
Full Simulation Period[a]	1,485	1,552	1,786	2,092	2,368	2,579	2,659	2,619	2,375	1,981	1,754	1,551
Water Year Types[b]												
Wet (32%)	1,636	1,779	2,255	2,652	2,885	2,945	3,085	3,096	2,930	2,515	2,318	1,964
Above Normal (15%)	1,334	1,429	1,662	2,207	2,559	2,840	2,905	2,832	2,563	2,129	1,904	1,663
Below Normal (17%)	1,445	1,461	1,581	1,871	2,281	2,603	2,641	2,611	2,244	1,766	1,476	1,399
Dry (22%)	1,354	1,393	1,502	1,667	1,952	2,290	2,393	2,305	2,030	1,665	1,407	1,295
Critical (15%)	1,550	1,530	1,561	1,663	1,781	1,929	1,912	1,848	1,656	1,402	1,226	1,109

Alternative 4 H4 (LLT) minus Existing Condition

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-922	-743	-202	-133	-100	-60	-47	0	-122	-470	-514	-881
20%	-749	-776	-368	-81	-97	-42	-114	-6	-389	-338	-391	-651
30%	-672	-718	-626	-228	-65	-43	-106	-377	-725	-641	-523	-603
40%	-570	-641	-680	-432	0	-64	-296	-683	-882	-774	-595	-544
50%	-774	-664	-682	-525	-219	-53	-591	-879	-1,033	-845	-671	-714
60%	-504	-553	-488	-400	-281	-56	-678	-918	-1,026	-826	-630	-649
70%	-331	-267	-174	-238	-281	-182	-504	-821	-844	-558	-358	-337
80%	-146	-147	-89	37	-140	-261	-432	-672	-683	-443	-215	-150
90%	-111	-94	-40	-1	135	156	204	-75	-148	-22	-32	-75
Long Term												
Full Simulation Period[a]	-495	-479	-355	-212	-102	-65	-258	-435	-570	-479	-408	-503
Water Year Types[b]												
Wet (32%)	-644	-587	-321	-108	-4	2	-218	-411	-558	-631	-668	-935
Above Normal (15%)	-588	-594	-492	-252	-102	-97	-393	-665	-835	-720	-579	-711
Below Normal (17%)	-582	-579	-534	-414	-202	-69	-404	-653	-919	-811	-700	-619
Dry (22%)	-464	-459	-412	-342	-274	-230	-320	-451	-526	-312	-101	-66
Critical (15%)	-24	-46	4	31	60	71	55	23	12	227	204	125

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-3-9. Lake Oroville, End of Month Storage

Existing Condition

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,161	3,046	2,987	2,976	3,052	3,116	3,395	3,538	3,538	3,378	3,278	3,221
20%	2,778	2,876	2,812	2,869	2,946	3,025	3,352	3,538	3,538	3,037	2,862	2,831
30%	2,408	2,583	2,787	2,792	2,853	2,981	3,293	3,538	3,538	2,959	2,563	2,461
40%	2,169	2,291	2,559	2,788	2,788	2,938	3,237	3,520	3,380	2,789	2,399	2,239
50%	2,031	2,081	2,337	2,688	2,788	2,841	3,205	3,371	3,199	2,651	2,232	2,099
60%	1,690	1,792	2,004	2,217	2,588	2,788	3,100	3,179	3,025	2,422	2,010	1,828
70%	1,443	1,426	1,512	1,891	2,203	2,584	2,807	2,847	2,697	2,105	1,614	1,464
80%	1,156	1,220	1,291	1,490	1,892	2,248	2,563	2,666	2,467	1,885	1,378	1,194
90%	1,031	1,065	1,145	1,293	1,480	1,720	1,759	2,024	1,858	1,283	1,065	1,012
Long Term												
Full Simulation Period[a]	1,980	2,032	2,141	2,305	2,470	2,644	2,918	3,053	2,945	2,460	2,162	2,054
Water Year Types[b]												
Wet (32%)	2,280	2,366	2,576	2,760	2,889	2,943	3,303	3,507	3,488	3,146	2,986	2,899
Above Normal (15%)	1,922	2,023	2,154	2,459	2,660	2,937	3,298	3,497	3,397	2,848	2,483	2,374
Below Normal (17%)	2,027	2,040	2,115	2,285	2,483	2,673	3,046	3,264	3,163	2,577	2,177	2,018
Dry (22%)	1,818	1,852	1,913	2,009	2,226	2,520	2,713	2,756	2,556	1,977	1,508	1,361
Critical (15%)	1,574	1,576	1,557	1,632	1,721	1,858	1,857	1,824	1,644	1,174	1,022	984

Alternative 5 (LLT)

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,074	2,184	2,788	2,813	2,948	3,035	3,352	3,538	3,372	2,736	2,412	2,151
20%	1,834	2,027	2,341	2,788	2,822	2,983	3,292	3,538	3,175	2,548	2,219	1,947
30%	1,750	1,766	2,057	2,653	2,788	2,937	3,239	3,392	3,049	2,412	2,071	1,759
40%	1,541	1,675	1,881	2,296	2,775	2,841	3,217	3,305	2,904	2,232	1,834	1,665
50%	1,425	1,466	1,660	2,019	2,597	2,788	3,144	3,108	2,781	2,120	1,684	1,558
60%	1,257	1,308	1,439	1,765	2,235	2,606	2,797	2,835	2,399	1,788	1,518	1,388
70%	1,127	1,187	1,324	1,529	1,936	2,304	2,496	2,465	2,249	1,617	1,256	1,194
80%	963	1,020	1,157	1,394	1,714	1,953	2,037	2,113	1,882	1,340	1,091	1,077
90%	849	858	937	1,248	1,457	1,665	1,683	1,557	1,401	1,106	981	947
Long Term												
Full Simulation Period[a]	1,450	1,520	1,743	2,056	2,324	2,528	2,760	2,811	2,538	1,993	1,690	1,537
Water Year Types[b]												
Wet (32%)	1,655	1,800	2,298	2,705	2,881	2,945	3,290	3,462	3,215	2,616	2,314	2,014
Above Normal (15%)	1,486	1,568	1,743	2,313	2,723	2,947	3,278	3,357	3,012	2,358	1,902	1,744
Below Normal (17%)	1,407	1,426	1,526	1,828	2,263	2,603	2,919	2,982	2,658	1,989	1,563	1,469
Dry (22%)	1,314	1,354	1,444	1,605	1,884	2,212	2,326	2,252	1,971	1,481	1,241	1,183
Critical (15%)	1,223	1,223	1,239	1,337	1,447	1,593	1,559	1,492	1,312	1,049	950	908

Alternative 5 (LLT) minus Existing Condition

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-1,087	-862	-199	-163	-104	-81	-43	0	-166	-643	-865	-1,070
20%	-944	-850	-471	-81	-123	-42	-60	0	-363	-490	-643	-884
30%	-658	-817	-730	-140	-65	-44	-54	-146	-489	-548	-492	-702
40%	-628	-616	-678	-492	-13	-96	-20	-215	-477	-556	-565	-574
50%	-606	-615	-677	-668	-191	-53	-61	-263	-419	-532	-549	-540
60%	-433	-484	-565	-453	-353	-182	-303	-344	-626	-634	-492	-440
70%	-317	-238	-189	-363	-267	-280	-311	-382	-448	-488	-358	-271
80%	-193	-200	-135	-96	-177	-295	-526	-553	-585	-545	-287	-116
90%	-182	-207	-207	-45	-23	-55	-75	-467	-457	-177	-84	-66
Long Term												
Full Simulation Period[a]	-530	-512	-398	-249	-146	-116	-157	-243	-406	-467	-472	-517
Water Year Types[b]												
Wet (32%)	-625	-566	-277	-54	-8	2	-13	-45	-273	-530	-672	-885
Above Normal (15%)	-436	-455	-411	-146	63	10	-20	-140	-385	-491	-582	-630
Below Normal (17%)	-620	-614	-589	-457	-220	-70	-126	-282	-505	-588	-613	-549
Dry (22%)	-504	-498	-469	-404	-342	-308	-388	-505	-584	-496	-267	-178
Critical (15%)	-351	-352	-318	-295	-274	-265	-298	-333	-332	-125	-72	-76

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-3-10. Lake Oroville, End of Month Storage

Existing Condition

	End of Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	3,161	3,046	2,987	2,976	3,052	3,116	3,395	3,538	3,538	3,378	3,278	3,221
20%	2,778	2,876	2,812	2,869	2,946	3,025	3,352	3,538	3,538	3,037	2,862	2,831
30%	2,408	2,583	2,787	2,792	2,853	2,981	3,293	3,538	3,538	2,959	2,563	2,461
40%	2,169	2,291	2,559	2,788	2,788	2,938	3,237	3,520	3,380	2,789	2,399	2,239
50%	2,031	2,081	2,337	2,688	2,788	2,841	3,205	3,371	3,199	2,651	2,232	2,099
60%	1,690	1,792	2,004	2,217	2,588	2,788	3,100	3,179	3,025	2,422	2,010	1,828
70%	1,443	1,426	1,512	1,891	2,203	2,584	2,807	2,847	2,697	2,105	1,614	1,464
80%	1,156	1,220	1,291	1,490	1,892	2,248	2,563	2,666	2,467	1,885	1,378	1,194
90%	1,031	1,065	1,145	1,293	1,480	1,720	1,759	2,024	1,858	1,283	1,065	1,012
Long Term												
Full Simulation Period[a]	1,980	2,032	2,141	2,305	2,470	2,644	2,918	3,053	2,945	2,460	2,162	2,054
Water Year Types[b]												
Wet (32%)	2,280	2,366	2,576	2,760	2,889	2,943	3,303	3,507	3,488	3,146	2,986	2,899
Above Normal (15%)	1,922	2,023	2,154	2,459	2,660	2,937	3,298	3,497	3,397	2,848	2,483	2,374
Below Normal (17%)	2,027	2,040	2,115	2,285	2,483	2,673	3,046	3,264	3,163	2,577	2,177	2,018
Dry (22%)	1,818	1,852	1,913	2,009	2,226	2,520	2,713	2,756	2,556	1,977	1,508	1,361
Critical (15%)	1,574	1,576	1,557	1,632	1,721	1,858	1,857	1,824	1,644	1,174	1,022	984

Alternative 6A,6B,6C (LLT)

	End of Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	2,249	2,332	2,788	2,813	2,952	3,092	3,368	3,538	3,507	2,924	2,640	2,279
20%	2,083	2,184	2,448	2,788	2,862	2,998	3,307	3,538	3,284	2,811	2,446	2,116
30%	1,840	1,978	2,324	2,742	2,801	2,944	3,280	3,393	3,139	2,587	2,227	1,926
40%	1,744	1,790	2,087	2,471	2,788	2,906	3,229	3,310	2,984	2,501	2,067	1,769
50%	1,587	1,597	1,874	2,127	2,721	2,817	3,174	3,175	2,895	2,343	1,979	1,681
60%	1,444	1,422	1,642	1,948	2,402	2,788	3,017	2,976	2,702	2,204	1,748	1,474
70%	1,225	1,315	1,452	1,731	2,095	2,404	2,701	2,765	2,530	2,054	1,639	1,288
80%	1,118	1,170	1,327	1,524	1,889	2,147	2,305	2,262	2,119	1,739	1,384	1,144
90%	1,029	1,058	1,115	1,341	1,606	1,837	1,999	1,971	1,770	1,386	1,114	1,017
Long Term												
Full Simulation Period[a]	1,593	1,663	1,893	2,165	2,427	2,620	2,865	2,921	2,705	2,260	1,908	1,640
Water Year Types[b]												
Wet (32%)	1,846	1,993	2,431	2,717	2,897	2,945	3,290	3,436	3,250	2,797	2,474	2,145
Above Normal (15%)	1,602	1,690	1,899	2,434	2,768	2,947	3,278	3,360	3,058	2,509	2,091	1,798
Below Normal (17%)	1,501	1,517	1,663	1,960	2,400	2,724	3,064	3,140	2,887	2,315	1,844	1,521
Dry (22%)	1,440	1,481	1,604	1,769	2,060	2,394	2,535	2,506	2,312	1,946	1,601	1,348
Critical (15%)	1,373	1,367	1,422	1,536	1,647	1,804	1,792	1,735	1,549	1,257	1,032	961

Alternative 6A,6B,6C (LLT) minus Existing Condition

	End of Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	**-911**	**-714**	**-199**	**-163**	**-100**	**-24**	**-27**	0	**-31**	**-454**	**-638**	**-941**
20%	**-695**	**-692**	**-364**	**-81**	**-84**	**-27**	**-45**	0	**-254**	**-226**	**-416**	**-715**
30%	**-567**	**-605**	**-462**	**-50**	**-53**	**-37**	**-12**	**-145**	**-399**	**-372**	**-336**	**-535**
40%	**-425**	**-501**	**-472**	**-317**	0	**-32**	**-9**	**-210**	**-396**	**-287**	**-333**	**-471**
50%	**-444**	**-484**	**-463**	**-560**	**-67**	**-24**	**-31**	**-197**	**-304**	**-308**	**-254**	**-417**
60%	**-245**	**-370**	**-362**	**-269**	**-186**	0	**-83**	**-204**	**-323**	**-218**	**-262**	**-354**
70%	**-218**	**-111**	**-61**	**-160**	**-108**	**-179**	**-106**	**-82**	**-167**	**-51**	25	**-176**
80%	**-38**	**-50**	35	34	**-3**	**-101**	**-258**	**-404**	**-348**	**-145**	6	**-50**
90%	**-1**	**-7**	**-29**	48	126	117	240	**-53**	**-88**	102	49	5
Long Term												
Full Simulation Period[a]	**-387**	**-368**	**-248**	**-140**	**-43**	**-25**	**-53**	**-132**	**-240**	**-200**	**-255**	**-414**
Water Year Types[b]												
Wet (32%)	**-435**	**-374**	**-145**	**-43**	8	2	**-13**	**-72**	**-238**	**-349**	**-512**	**-754**
Above Normal (15%)	**-320**	**-332**	**-255**	**-25**	108	10	**-20**	**-137**	**-340**	**-339**	**-393**	**-576**
Below Normal (17%)	**-526**	**-522**	**-452**	**-325**	**-83**	51	18	**-124**	**-276**	**-262**	**-332**	**-498**
Dry (22%)	**-378**	**-372**	**-309**	**-240**	**-166**	**-126**	**-179**	**-250**	**-244**	**-31**	93	**-13**
Critical (15%)	**-201**	**-208**	**-135**	**-96**	**-74**	**-54**	**-65**	**-89**	**-94**	83	9	**-23**

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-3-11. Lake Oroville, End of Month Storage

Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,161	3,046	2,987	2,976	3,052	3,116	3,395	3,538	3,538	3,378	3,278	3,221
20%	2,778	2,876	2,812	2,869	2,946	3,025	3,352	3,538	3,538	3,037	2,862	2,831
30%	2,408	2,583	2,787	2,792	2,853	2,981	3,293	3,538	3,538	2,959	2,563	2,461
40%	2,169	2,291	2,559	2,788	2,788	2,938	3,237	3,520	3,380	2,789	2,399	2,239
50%	2,031	2,081	2,337	2,688	2,788	2,841	3,205	3,371	3,199	2,651	2,232	2,099
60%	1,690	1,792	2,004	2,217	2,588	2,788	3,100	3,179	3,025	2,422	2,010	1,828
70%	1,443	1,426	1,512	1,891	2,203	2,584	2,807	2,847	2,697	2,105	1,614	1,464
80%	1,156	1,220	1,291	1,490	1,892	2,248	2,563	2,666	2,467	1,885	1,378	1,194
90%	1,031	1,065	1,145	1,293	1,480	1,720	1,759	2,024	1,858	1,283	1,065	1,012
Long Term												
Full Simulation Period[a]	1,980	2,032	2,141	2,305	2,470	2,644	2,918	3,053	2,945	2,460	2,162	2,054
Water Year Types[b]												
Wet (32%)	2,280	2,366	2,576	2,760	2,889	2,943	3,303	3,507	3,488	3,146	2,986	2,899
Above Normal (15%)	1,922	2,023	2,154	2,459	2,660	2,937	3,298	3,497	3,397	2,848	2,483	2,374
Below Normal (17%)	2,027	2,040	2,115	2,285	2,483	2,673	3,046	3,264	3,163	2,577	2,177	2,018
Dry (22%)	1,818	1,852	1,913	2,009	2,226	2,520	2,713	2,756	2,556	1,977	1,508	1,361
Critical (15%)	1,574	1,576	1,557	1,632	1,721	1,858	1,857	1,824	1,644	1,174	1,022	984

Alternative 7 (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,185	2,301	2,788	2,843	2,952	3,059	3,373	3,538	3,481	2,886	2,617	2,211
20%	1,994	2,020	2,413	2,788	2,841	2,998	3,307	3,538	3,297	2,743	2,358	2,025
30%	1,819	1,891	2,117	2,742	2,788	2,949	3,280	3,421	3,149	2,550	2,151	1,864
40%	1,600	1,670	1,965	2,341	2,788	2,921	3,236	3,318	3,025	2,408	1,974	1,724
50%	1,521	1,567	1,836	2,141	2,600	2,807	3,180	3,195	2,856	2,266	1,862	1,651
60%	1,433	1,465	1,677	1,904	2,354	2,788	2,984	2,973	2,716	2,176	1,794	1,580
70%	1,376	1,377	1,566	1,767	2,195	2,474	2,657	2,740	2,526	1,906	1,614	1,474
80%	1,187	1,191	1,456	1,649	1,913	2,126	2,303	2,235	2,062	1,646	1,401	1,221
90%	975	957	1,021	1,400	1,644	1,962	2,020	1,937	1,679	1,295	1,075	1,031
Long Term												
Full Simulation Period[a]	1,569	1,633	1,864	2,153	2,413	2,624	2,869	2,927	2,689	2,197	1,861	1,642
Water Year Types[b]												
Wet (32%)	1,774	1,910	2,363	2,713	2,870	2,945	3,290	3,451	3,257	2,729	2,401	2,014
Above Normal (15%)	1,561	1,646	1,819	2,321	2,691	2,947	3,278	3,339	3,013	2,394	1,976	1,699
Below Normal (17%)	1,501	1,514	1,659	1,968	2,408	2,703	3,045	3,141	2,906	2,308	1,855	1,696
Dry (22%)	1,431	1,464	1,598	1,760	2,057	2,397	2,539	2,513	2,295	1,870	1,611	1,523
Critical (15%)	1,420	1,411	1,464	1,576	1,687	1,851	1,835	1,748	1,472	1,210	956	894

Alternative 7 (LLT) minus Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-976	-745	-199	-133	-100	-57	-23	0	-57	-492	-661	-1,010
20%	-784	-857	-399	-81	-105	-27	-44	0	-241	-294	-504	-806
30%	-589	-692	-670	-51	-65	-32	-13	-117	-389	-409	-412	-597
40%	-569	-621	-594	-447	0	-16	-2	-202	-356	-381	-425	-515
50%	-510	-515	-501	-547	-188	-34	-25	-177	-343	-385	-370	-447
60%	-257	-327	-328	-314	-234	0	-116	-206	-310	-246	-217	-248
70%	-67	-49	53	-125	-8	-109	-150	-107	-171	-199	0	10
80%	31	-29	165	159	21	-122	-259	-431	-405	-239	23	28
90%	-56	-108	-124	106	164	242	261	-87	-179	12	10	19
Long Term												
Full Simulation Period[a]	-411	-399	-277	-152	-56	-21	-49	-126	-256	-263	-302	-412
Water Year Types[b]												
Wet (32%)	-506	-456	-213	-46	-19	2	-13	-56	-231	-417	-585	-885
Above Normal (15%)	-361	-377	-335	-138	31	10	-20	-158	-385	-454	-507	-675
Below Normal (17%)	-526	-526	-455	-316	-74	31	-1	-123	-257	-269	-322	-322
Dry (22%)	-387	-389	-316	-248	-168	-123	-175	-243	-261	-107	103	162
Critical (15%)	-155	-164	-93	-56	-34	-7	-22	-77	-172	36	-66	-90

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-3-12. Lake Oroville, End of Month Storage

Existing Condition

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,161	3,046	2,987	2,976	3,052	3,116	3,395	3,538	3,538	3,378	3,278	3,221
20%	2,778	2,876	2,812	2,869	2,946	3,025	3,352	3,538	3,538	3,037	2,862	2,831
30%	2,408	2,583	2,787	2,792	2,853	2,981	3,293	3,538	3,538	2,959	2,563	2,461
40%	2,169	2,291	2,559	2,788	2,788	2,938	3,237	3,520	3,380	2,789	2,399	2,239
50%	2,031	2,081	2,337	2,688	2,788	2,841	3,205	3,371	3,199	2,651	2,232	2,099
60%	1,690	1,792	2,004	2,217	2,588	2,788	3,100	3,179	3,025	2,422	2,010	1,828
70%	1,443	1,426	1,512	1,891	2,203	2,584	2,807	2,847	2,697	2,105	1,614	1,464
80%	1,156	1,220	1,291	1,490	1,892	2,248	2,563	2,666	2,467	1,885	1,378	1,194
90%	1,031	1,065	1,145	1,293	1,480	1,720	1,759	2,024	1,858	1,283	1,065	1,012
Long Term												
Full Simulation Period[a]	1,980	2,032	2,141	2,305	2,470	2,644	2,918	3,053	2,945	2,460	2,162	2,054
Water Year Types[b]												
Wet (32%)	2,280	2,366	2,576	2,760	2,889	2,943	3,303	3,507	3,488	3,146	2,986	2,899
Above Normal (15%)	1,922	2,023	2,154	2,459	2,660	2,937	3,298	3,497	3,397	2,848	2,483	2,374
Below Normal (17%)	2,027	2,040	2,115	2,285	2,483	2,673	3,046	3,264	3,163	2,577	2,177	2,018
Dry (22%)	1,818	1,852	1,913	2,009	2,226	2,520	2,713	2,756	2,556	1,977	1,508	1,361
Critical (15%)	1,574	1,576	1,557	1,632	1,721	1,858	1,857	1,824	1,644	1,174	1,022	984

Alternative 8 (LLT)

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,329	2,390	2,788	2,788	2,871	2,918	3,023	2,859	2,654	2,556	2,464	2,265
20%	2,040	2,135	2,600	2,788	2,788	2,828	2,844	2,729	2,607	2,391	2,240	2,004
30%	1,941	1,996	2,360	2,529	2,760	2,788	2,739	2,646	2,470	2,242	2,084	1,947
40%	1,785	1,922	2,104	2,332	2,541	2,664	2,580	2,458	2,298	2,056	1,895	1,809
50%	1,562	1,629	1,887	2,070	2,303	2,370	2,303	2,149	1,990	1,736	1,529	1,457
60%	1,226	1,398	1,657	1,879	2,106	2,154	2,055	1,891	1,693	1,491	1,313	1,260
70%	1,147	1,201	1,504	1,612	1,845	1,886	1,796	1,652	1,484	1,271	1,137	1,155
80%	997	1,035	1,136	1,430	1,556	1,655	1,615	1,420	1,278	1,084	1,006	1,018
90%	782	803	971	1,168	1,344	1,370	1,300	1,190	1,037	861	805	813
Long Term												
Full Simulation Period[a]	1,542	1,627	1,878	2,048	2,213	2,269	2,239	2,125	1,957	1,747	1,622	1,537
Water Year Types[b]												
Wet (32%)	1,823	1,988	2,441	2,623	2,827	2,844	2,917	2,818	2,652	2,430	2,315	2,124
Above Normal (15%)	1,455	1,551	1,804	2,142	2,363	2,529	2,448	2,329	2,160	1,926	1,766	1,677
Below Normal (17%)	1,394	1,434	1,586	1,764	2,004	2,055	1,992	1,850	1,684	1,488	1,343	1,309
Dry (22%)	1,495	1,540	1,691	1,785	1,873	1,921	1,820	1,692	1,517	1,317	1,186	1,163
Critical (15%)	1,260	1,279	1,351	1,434	1,483	1,535	1,475	1,388	1,228	1,035	956	954

Alternative 8 (LLT) minus Existing Condition

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-832	-656	-199	-188	-181	-198	-372	-679	-885	-822	-814	-955
20%	-738	-741	-211	-81	-158	-197	-507	-809	-931	-646	-621	-827
30%	-466	-588	-426	-264	-94	-193	-554	-892	-1,068	-718	-480	-514
40%	-383	-369	-455	-456	-247	-274	-657	-1,062	-1,083	-733	-504	-431
50%	-469	-452	-450	-617	-485	-471	-902	-1,222	-1,209	-916	-704	-641
60%	-464	-394	-348	-339	-482	-634	-1,045	-1,289	-1,332	-930	-697	-568
70%	-296	-225	-8	-279	-358	-698	-1,012	-1,195	-1,213	-834	-477	-309
80%	-159	-185	-156	-60	-336	-594	-947	-1,246	-1,189	-800	-372	-176
90%	-248	-262	-174	-125	-135	-350	-459	-834	-821	-422	-260	-199
Long Term												
Full Simulation Period[a]	-438	-404	-263	-257	-257	-375	-679	-929	-987	-713	-540	-517
Water Year Types[b]												
Wet (32%)	-457	-378	-135	-136	-62	-99	-386	-689	-835	-716	-671	-775
Above Normal (15%)	-467	-472	-350	-317	-298	-408	-850	-1,168	-1,238	-922	-717	-697
Below Normal (17%)	-633	-605	-529	-521	-479	-618	-1,054	-1,414	-1,479	-1,089	-834	-709
Dry (22%)	-323	-312	-222	-224	-353	-599	-893	-1,065	-1,039	-660	-322	-198
Critical (15%)	-314	-297	-207	-198	-238	-323	-382	-437	-416	-139	-66	-30

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-3-13. Lake Oroville, End of Month Storage

Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,161	3,046	2,987	2,976	3,052	3,116	3,395	3,538	3,538	3,378	3,278	3,221
20%	2,778	2,876	2,812	2,869	2,946	3,025	3,352	3,538	3,538	3,037	2,862	2,831
30%	2,408	2,583	2,787	2,792	2,853	2,981	3,293	3,538	3,538	2,959	2,563	2,461
40%	2,169	2,291	2,559	2,788	2,788	2,938	3,237	3,520	3,380	2,789	2,399	2,239
50%	2,031	2,081	2,337	2,688	2,788	2,841	3,205	3,371	3,199	2,651	2,232	2,099
60%	1,690	1,792	2,004	2,217	2,588	2,788	3,100	3,179	3,025	2,422	2,010	1,828
70%	1,443	1,426	1,512	1,891	2,203	2,584	2,807	2,847	2,697	2,105	1,614	1,464
80%	1,156	1,220	1,291	1,490	1,892	2,248	2,563	2,666	2,467	1,885	1,378	1,194
90%	1,031	1,065	1,145	1,293	1,480	1,720	1,759	2,024	1,858	1,283	1,065	1,012
Long Term												
Full Simulation Period[a]	1,980	2,032	2,141	2,305	2,470	2,644	2,918	3,053	2,945	2,460	2,162	2,054
Water Year Types[b]												
Wet (32%)	2,280	2,366	2,576	2,760	2,889	2,943	3,303	3,507	3,488	3,146	2,986	2,899
Above Normal (15%)	1,922	2,023	2,154	2,459	2,660	2,937	3,298	3,497	3,397	2,848	2,483	2,374
Below Normal (17%)	2,027	2,040	2,115	2,285	2,483	2,673	3,046	3,264	3,163	2,577	2,177	2,018
Dry (22%)	1,818	1,852	1,913	2,009	2,226	2,520	2,713	2,756	2,556	1,977	1,508	1,361
Critical (15%)	1,574	1,576	1,557	1,632	1,721	1,858	1,857	1,824	1,644	1,174	1,022	984

Alternative 9 (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,927	2,093	2,774	2,807	2,952	3,056	3,354	3,538	3,536	2,893	2,468	1,946
20%	1,756	1,792	2,197	2,788	2,828	2,964	3,292	3,538	3,329	2,732	2,325	1,836
30%	1,573	1,688	1,910	2,540	2,788	2,933	3,245	3,381	3,103	2,489	2,108	1,672
40%	1,419	1,493	1,704	2,124	2,765	2,809	3,213	3,266	2,957	2,331	1,865	1,560
50%	1,277	1,380	1,582	1,888	2,309	2,770	2,998	3,013	2,720	2,102	1,685	1,336
60%	1,212	1,242	1,389	1,711	2,109	2,516	2,725	2,720	2,414	1,880	1,489	1,227
70%	1,036	1,104	1,275	1,524	1,971	2,330	2,505	2,417	2,159	1,574	1,137	1,087
80%	977	979	1,129	1,371	1,685	1,913	2,122	2,040	1,791	1,228	1,003	966
90%	795	787	923	1,143	1,403	1,617	1,654	1,478	1,321	982	841	806
Long Term												
Full Simulation Period[a]	1,355	1,417	1,661	1,975	2,281	2,505	2,743	2,769	2,559	2,029	1,671	1,405
Water Year Types[b]												
Wet (32%)	1,523	1,665	2,203	2,608	2,868	2,945	3,290	3,450	3,292	2,752	2,373	1,882
Above Normal (15%)	1,332	1,414	1,585	2,158	2,609	2,921	3,252	3,313	3,071	2,425	1,958	1,558
Below Normal (17%)	1,326	1,332	1,439	1,743	2,197	2,522	2,850	2,884	2,652	2,058	1,613	1,413
Dry (22%)	1,257	1,281	1,399	1,558	1,845	2,190	2,315	2,196	1,931	1,402	1,075	1,024
Critical (15%)	1,192	1,188	1,213	1,316	1,435	1,589	1,567	1,473	1,289	977	823	782

Alternative 9 (LLT) minus Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-1,233	-953	-213	-169	-100	-60	-41	0	-2	-485	-810	-1,275
20%	-1,022	-1,085	-615	-81	-118	-61	-60	0	-209	-305	-537	-995
30%	-835	-896	-877	-252	-65	-47	-48	-157	-435	-470	-455	-789
40%	-749	-797	-855	-664	-23	-129	-25	-253	-424	-458	-534	-680
50%	-754	-702	-755	-800	-479	-71	-207	-359	-479	-549	-547	-762
60%	-478	-550	-615	-506	-479	-272	-375	-459	-612	-542	-521	-601
70%	-407	-321	-238	-367	-232	-253	-302	-429	-538	-531	-477	-378
80%	-179	-241	-163	-119	-206	-335	-440	-626	-676	-657	-375	-228
90%	-236	-278	-221	-150	-77	-103	-105	-546	-537	-301	-224	-207
Long Term												
Full Simulation Period[a]	-625	-614	-480	-330	-188	-140	-174	-284	-386	-431	-492	-649
Water Year Types[b]												
Wet (32%)	-757	-701	-372	-152	-21	2	-13	-57	-196	-394	-613	-1,018
Above Normal (15%)	-590	-609	-568	-301	-51	-16	-46	-184	-327	-423	-525	-816
Below Normal (17%)	-701	-707	-675	-541	-286	-151	-196	-380	-511	-519	-564	-605
Dry (22%)	-561	-571	-514	-451	-380	-330	-398	-560	-625	-576	-433	-337
Critical (15%)	-382	-388	-344	-316	-286	-269	-290	-351	-354	-197	-200	-202

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-3-14. Lake Oroville, End of Month Storage

No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1,902	2,079	2,701	2,788	2,961	3,056	3,354	3,538	3,535	2,894	2,432	1,931
20%	1,766	1,849	2,149	2,787	2,788	2,983	3,292	3,538	3,310	2,680	2,250	1,843
30%	1,543	1,680	1,962	2,516	2,788	2,937	3,245	3,396	3,148	2,498	2,070	1,655
40%	1,425	1,442	1,817	2,150	2,672	2,809	3,213	3,305	2,970	2,346	1,893	1,523
50%	1,321	1,354	1,533	1,912	2,384	2,786	3,013	3,042	2,816	2,190	1,691	1,406
60%	1,177	1,221	1,337	1,694	2,132	2,499	2,745	2,712	2,415	1,833	1,462	1,260
70%	1,050	1,098	1,231	1,512	1,875	2,290	2,411	2,369	2,121	1,496	1,164	1,076
80%	873	935	1,104	1,308	1,638	1,912	2,170	2,152	1,911	1,297	953	898
90%	786	804	904	1,161	1,407	1,627	1,667	1,497	1,305	942	834	805
Long Term												
Full Simulation Period[a]	1,347	1,411	1,657	1,971	2,278	2,495	2,739	2,795	2,582	2,025	1,667	1,408
Water Year Types[b]												
Wet (32%)	1,522	1,661	2,212	2,626	2,883	2,945	3,290	3,461	3,292	2,730	2,353	1,885
Above Normal (15%)	1,362	1,429	1,581	2,146	2,612	2,930	3,261	3,341	3,096	2,455	1,987	1,583
Below Normal (17%)	1,292	1,308	1,418	1,725	2,172	2,497	2,835	2,911	2,676	2,065	1,612	1,409
Dry (22%)	1,224	1,265	1,372	1,533	1,822	2,156	2,299	2,236	1,981	1,401	1,058	1,008
Critical (15%)	1,199	1,191	1,238	1,321	1,440	1,592	1,574	1,508	1,324	959	838	796

Alternative 1A,1B,1C (LLT)

	End of Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	2,491	2,575	2,788	2,854	2,986	3,093	3,352	3,538	3,372	2,933	2,669	2,627
20%	2,287	2,420	2,632	2,788	2,856	3,023	3,295	3,538	3,205	2,719	2,406	2,348
30%	2,123	2,235	2,420	2,788	2,811	2,960	3,238	3,312	2,914	2,438	2,136	2,117
40%	1,758	1,898	2,231	2,623	2,788	2,909	3,212	3,158	2,791	2,305	1,972	1,867
50%	1,568	1,604	1,874	2,387	2,788	2,796	3,141	3,006	2,626	2,168	1,813	1,684
60%	1,422	1,454	1,605	1,916	2,319	2,788	2,868	2,822	2,408	1,962	1,677	1,577
70%	1,261	1,332	1,349	1,619	2,043	2,479	2,528	2,511	2,156	1,745	1,454	1,325
80%	1,121	1,153	1,266	1,397	1,768	1,989	2,183	2,097	1,944	1,613	1,327	1,183
90%	1,015	1,018	1,005	1,267	1,456	1,700	1,697	1,644	1,497	1,224	1,137	1,081
Long Term												
Full Simulation Period[a]	1,676	1,733	1,906	2,153	2,390	2,579	2,791	2,797	2,521	2,120	1,846	1,762
Water Year Types[b]												
Wet (32%)	1,925	2,044	2,473	2,739	2,894	2,942	3,288	3,416	3,183	2,754	2,476	2,432
Above Normal (15%)	1,753	1,838	1,919	2,410	2,744	2,947	3,258	3,260	2,873	2,349	1,980	1,870
Below Normal (17%)	1,590	1,605	1,672	1,974	2,343	2,644	2,928	2,885	2,536	2,084	1,791	1,678
Dry (22%)	1,539	1,570	1,649	1,765	2,043	2,359	2,429	2,346	2,077	1,720	1,436	1,319
Critical (15%)	1,365	1,351	1,321	1,420	1,522	1,679	1,632	1,564	1,382	1,157	1,029	964

Alternative 1A,1B,1C (LLT) minus No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	589	496	87	66	25	37	**-2**	0	**-163**	39	237	696
20%	521	571	483	1	68	40	3	0	**-105**	39	156	505
30%	580	555	459	272	23	23	**-7**	**-84**	**-234**	**-61**	65	462
40%	333	456	414	473	116	100	**-1**	**-147**	**-179**	**-40**	78	344
50%	247	249	341	475	403	10	128	**-37**	**-191**	**-21**	121	278
60%	245	233	269	222	186	289	123	110	**-7**	128	215	317
70%	212	234	118	108	168	189	117	142	35	249	290	249
80%	248	218	162	89	130	77	13	**-55**	32	315	375	286
90%	229	214	101	107	49	73	30	147	192	282	303	276
Long Term												
Full Simulation Period[a]	329	322	248	182	113	84	52	2	**-61**	94	179	354
Water Year Types[b]												
Wet (32%)	403	382	261	113	12	**-3**	**-2**	**-45**	**-109**	25	123	547
Above Normal (15%)	391	409	338	264	132	17	**-3**	**-81**	**-222**	**-106**	**-7**	287
Below Normal (17%)	298	297	254	249	171	147	93	**-26**	**-140**	19	179	270
Dry (22%)	316	305	276	232	220	203	130	110	96	319	378	311
Critical (15%)	166	160	83	99	82	87	58	57	57	197	191	168

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-3-15. Lake Oroville, End of Month Storage

No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,902	2,079	2,701	2,788	2,961	3,056	3,354	3,538	3,535	2,894	2,432	1,931
20%	1,766	1,849	2,149	2,787	2,788	2,983	3,292	3,538	3,310	2,680	2,250	1,843
30%	1,543	1,680	1,962	2,516	2,788	2,937	3,245	3,396	3,148	2,498	2,070	1,655
40%	1,425	1,442	1,817	2,150	2,672	2,809	3,213	3,305	2,970	2,346	1,893	1,523
50%	1,321	1,354	1,533	1,912	2,384	2,786	3,013	3,042	2,816	2,190	1,691	1,406
60%	1,177	1,221	1,337	1,694	2,132	2,499	2,745	2,712	2,415	1,833	1,462	1,260
70%	1,050	1,098	1,231	1,512	1,875	2,290	2,411	2,369	2,121	1,496	1,164	1,076
80%	873	935	1,104	1,308	1,638	1,912	2,170	2,152	1,911	1,297	953	898
90%	786	804	904	1,161	1,407	1,627	1,667	1,497	1,305	942	834	805
Long Term												
Full Simulation Period[a]	1,347	1,411	1,657	1,971	2,278	2,495	2,739	2,795	2,582	2,025	1,667	1,408
Water Year Types[b]												
Wet (32%)	1,522	1,661	2,212	2,626	2,883	2,945	3,290	3,461	3,292	2,730	2,353	1,885
Above Normal (15%)	1,362	1,429	1,581	2,146	2,612	2,930	3,261	3,341	3,096	2,455	1,987	1,583
Below Normal (17%)	1,292	1,308	1,418	1,725	2,172	2,497	2,835	2,911	2,676	2,065	1,612	1,409
Dry (22%)	1,224	1,265	1,372	1,533	1,822	2,156	2,299	2,236	1,981	1,401	1,058	1,008
Critical (15%)	1,199	1,191	1,238	1,321	1,440	1,592	1,574	1,508	1,324	959	838	796

Alternative 2A,2B,2C (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,074	2,254	2,731	2,843	2,927	3,035	3,352	3,538	3,305	2,874	2,546	2,161
20%	1,848	1,983	2,264	2,788	2,830	2,990	3,292	3,538	3,131	2,608	2,311	1,896
30%	1,605	1,710	2,009	2,577	2,788	2,944	3,244	3,337	2,821	2,265	1,985	1,696
40%	1,455	1,471	1,896	2,322	2,788	2,841	3,208	3,177	2,669	2,109	1,773	1,538
50%	1,278	1,362	1,610	2,002	2,564	2,788	3,089	2,982	2,512	1,979	1,639	1,445
60%	1,226	1,256	1,400	1,693	2,153	2,637	2,782	2,673	2,260	1,831	1,491	1,303
70%	1,134	1,176	1,273	1,509	1,858	2,212	2,477	2,500	2,130	1,652	1,318	1,191
80%	1,023	1,066	1,148	1,386	1,649	1,866	1,998	1,967	1,760	1,380	1,114	1,062
90%	863	851	1,030	1,256	1,431	1,622	1,666	1,546	1,359	1,093	952	907
Long Term												
Full Simulation Period[a]	1,413	1,481	1,715	2,038	2,308	2,520	2,746	2,763	2,436	1,989	1,704	1,486
Water Year Types[b]												
Wet (32%)	1,576	1,717	2,226	2,677	2,865	2,945	3,290	3,429	3,131	2,661	2,374	1,970
Above Normal (15%)	1,494	1,582	1,746	2,312	2,705	2,947	3,275	3,292	2,800	2,195	1,822	1,515
Below Normal (17%)	1,367	1,387	1,481	1,789	2,221	2,553	2,864	2,860	2,459	1,923	1,569	1,459
Dry (22%)	1,260	1,299	1,410	1,551	1,839	2,171	2,265	2,180	1,891	1,512	1,248	1,169
Critical (15%)	1,266	1,251	1,305	1,398	1,510	1,659	1,623	1,552	1,357	1,116	974	913

Alternative 2A,2B,2C (LLT) minus No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	172	174	30	55	-34	-21	-2	0	-230	-20	114	231
20%	82	134	115	1	42	6	0	0	-180	-72	61	53
30%	62	30	47	60	0	7	-1	-59	-327	-233	-85	41
40%	31	29	79	172	116	32	-5	-129	-301	-236	-121	15
50%	-43	7	77	90	180	2	76	-60	-304	-211	-52	39
60%	49	35	63	-1	21	138	37	-38	-155	-2	30	44
70%	84	78	43	-2	-16	-79	66	130	9	156	154	116
80%	150	131	44	78	11	-45	-171	-185	-152	83	161	164
90%	77	48	126	96	24	-5	-1	49	54	151	119	103
Long Term												
Full Simulation Period[a]	67	70	57	67	30	25	7	-32	-146	-37	37	78
Water Year Types[b]												
Wet (32%)	54	55	14	51	-17	0	0	-31	-161	-68	21	84
Above Normal (15%)	132	153	165	167	93	17	14	-49	-295	-260	-165	-68
Below Normal (17%)	76	79	63	63	49	56	29	-51	-217	-142	-43	51
Dry (22%)	36	34	38	18	17	15	-34	-56	-90	111	190	161
Critical (15%)	66	60	67	77	70	67	49	45	33	156	136	116

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-3-16. Lake Oroville, End of Month Storage

No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1,902	2,079	2,701	2,788	2,961	3,056	3,354	3,538	3,535	2,894	2,432	1,931
20%	1,766	1,849	2,149	2,787	2,788	2,983	3,292	3,538	3,310	2,680	2,250	1,843
30%	1,543	1,680	1,962	2,516	2,788	2,937	3,245	3,396	3,148	2,498	2,070	1,655
40%	1,425	1,442	1,817	2,150	2,672	2,809	3,213	3,305	2,970	2,346	1,893	1,523
50%	1,321	1,354	1,533	1,912	2,384	2,786	3,013	3,042	2,816	2,190	1,691	1,406
60%	1,177	1,221	1,337	1,694	2,132	2,499	2,745	2,712	2,415	1,833	1,462	1,260
70%	1,050	1,098	1,231	1,512	1,875	2,290	2,411	2,369	2,121	1,496	1,164	1,076
80%	873	935	1,104	1,308	1,638	1,912	2,170	2,152	1,911	1,297	953	898
90%	786	804	904	1,161	1,407	1,627	1,667	1,497	1,305	942	834	805
Long Term												
Full Simulation Period[a]	1,347	1,411	1,657	1,971	2,278	2,495	2,739	2,795	2,582	2,025	1,667	1,408
Water Year Types[b]												
Wet (32%)	1,522	1,661	2,212	2,626	2,883	2,945	3,290	3,461	3,292	2,730	2,353	1,885
Above Normal (15%)	1,362	1,429	1,581	2,146	2,612	2,930	3,261	3,341	3,096	2,455	1,987	1,583
Below Normal (17%)	1,292	1,308	1,418	1,725	2,172	2,497	2,835	2,911	2,676	2,065	1,612	1,409
Dry (22%)	1,224	1,265	1,372	1,533	1,822	2,156	2,299	2,236	1,981	1,401	1,058	1,008
Critical (15%)	1,199	1,191	1,238	1,321	1,440	1,592	1,574	1,508	1,324	959	838	796

Alternative 3 (LLT)

	End of Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	2,458	2,589	2,788	2,852	2,985	3,092	3,352	3,538	3,371	2,934	2,633	2,595
20%	2,318	2,391	2,656	2,788	2,856	3,014	3,292	3,538	3,209	2,709	2,406	2,347
30%	2,127	2,234	2,410	2,787	2,811	2,961	3,238	3,337	2,965	2,455	2,174	2,114
40%	1,795	1,910	2,219	2,606	2,788	2,920	3,218	3,190	2,819	2,327	1,999	1,903
50%	1,531	1,597	1,867	2,386	2,707	2,807	3,157	3,033	2,680	2,196	1,814	1,680
60%	1,433	1,397	1,630	1,896	2,330	2,788	2,910	2,851	2,499	1,983	1,688	1,529
70%	1,195	1,301	1,358	1,625	2,027	2,369	2,547	2,516	2,212	1,806	1,452	1,313
80%	1,134	1,156	1,227	1,399	1,734	1,956	2,173	2,034	1,805	1,572	1,302	1,168
90%	903	868	969	1,261	1,480	1,697	1,717	1,666	1,527	1,234	1,104	1,020
Long Term												
Full Simulation Period[a]	1,666	1,723	1,895	2,140	2,382	2,569	2,787	2,802	2,538	2,121	1,845	1,756
Water Year Types[b]												
Wet (32%)	1,927	2,046	2,475	2,742	2,904	2,945	3,288	3,424	3,191	2,752	2,476	2,422
Above Normal (15%)	1,715	1,798	1,880	2,362	2,723	2,947	3,267	3,280	2,922	2,387	2,025	1,892
Below Normal (17%)	1,577	1,596	1,653	1,947	2,324	2,633	2,923	2,921	2,604	2,118	1,766	1,646
Dry (22%)	1,544	1,566	1,640	1,745	2,006	2,311	2,400	2,312	2,053	1,691	1,433	1,331
Critical (15%)	1,341	1,331	1,318	1,430	1,544	1,689	1,642	1,569	1,392	1,135	1,009	944

Alternative 3 (LLT) minus No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	556	510	87	64	24	37	**-2**	0	**-165**	40	201	664
20%	552	542	508	1	68	31	0	0	**-101**	28	157	504
30%	584	555	448	271	23	24	**-7**	**-59**	**-183**	**-43**	104	459
40%	371	468	402	456	116	111	5	**-115**	**-151**	**-19**	106	379
50%	209	243	334	474	323	21	143	**-9**	**-136**	6	123	274
60%	257	176	294	203	198	289	166	139	84	150	226	270
70%	145	202	127	114	153	79	136	147	91	310	287	238
80%	261	221	124	91	95	44	3	**-118**	**-106**	275	350	271
90%	118	64	65	101	73	70	50	168	222	292	270	215
Long Term												
Full Simulation Period[a]	320	312	237	169	104	74	47	7	**-44**	95	178	349
Water Year Types[b]												
Wet (32%)	405	384	262	116	21	0	**-3**	**-37**	**-101**	22	123	537
Above Normal (15%)	353	369	299	217	111	17	6	**-61**	**-174**	**-68**	38	309
Below Normal (17%)	285	288	235	222	152	136	88	10	**-72**	53	154	237
Dry (22%)	321	302	267	212	184	155	101	76	72	290	375	323
Critical (15%)	141	140	81	109	104	97	68	61	68	176	171	148

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-3-17. Lake Oroville, End of Month Storage

No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1,902	2,079	2,701	2,788	2,961	3,056	3,354	3,538	3,535	2,894	2,432	1,931
20%	1,766	1,849	2,149	2,787	2,788	2,983	3,292	3,538	3,310	2,680	2,250	1,843
30%	1,543	1,680	1,962	2,516	2,788	2,937	3,245	3,396	3,148	2,498	2,070	1,655
40%	1,425	1,442	1,817	2,150	2,672	2,809	3,213	3,305	2,970	2,346	1,893	1,523
50%	1,321	1,354	1,533	1,912	2,384	2,786	3,013	3,042	2,816	2,190	1,691	1,406
60%	1,177	1,221	1,337	1,694	2,132	2,499	2,745	2,712	2,415	1,833	1,462	1,260
70%	1,050	1,098	1,231	1,512	1,875	2,290	2,411	2,369	2,121	1,496	1,164	1,076
80%	873	935	1,104	1,308	1,638	1,912	2,170	2,152	1,911	1,297	953	898
90%	786	804	904	1,161	1,407	1,627	1,667	1,497	1,305	942	834	805
Long Term												
Full Simulation Period[a]	1,347	1,411	1,657	1,971	2,278	2,495	2,739	2,795	2,582	2,025	1,667	1,408
Water Year Types[b]												
Wet (32%)	1,522	1,661	2,212	2,626	2,883	2,945	3,290	3,461	3,292	2,730	2,353	1,885
Above Normal (15%)	1,362	1,429	1,581	2,146	2,612	2,930	3,261	3,341	3,096	2,455	1,987	1,583
Below Normal (17%)	1,292	1,308	1,418	1,725	2,172	2,497	2,835	2,911	2,676	2,065	1,612	1,409
Dry (22%)	1,224	1,265	1,372	1,533	1,822	2,156	2,299	2,236	1,981	1,401	1,058	1,008
Critical (15%)	1,199	1,191	1,238	1,321	1,440	1,592	1,574	1,508	1,324	959	838	796

Alternative 4 H1 (LLT)

	End of Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	2,297	2,448	2,788	2,853	2,961	3,068	3,354	3,538	3,397	2,865	2,499	2,406
20%	2,160	2,275	2,544	2,788	2,856	2,998	3,292	3,538	3,128	2,622	2,267	2,215
30%	1,978	2,130	2,331	2,769	2,801	2,953	3,267	3,368	2,924	2,353	2,015	1,983
40%	1,586	1,675	2,101	2,506	2,788	2,920	3,228	3,293	2,768	2,180	1,823	1,702
50%	1,490	1,494	1,784	2,302	2,726	2,793	3,146	3,080	2,631	2,046	1,665	1,614
60%	1,280	1,346	1,573	1,846	2,321	2,721	2,828	2,787	2,388	1,923	1,544	1,410
70%	1,178	1,219	1,328	1,598	2,056	2,486	2,590	2,623	2,259	1,767	1,382	1,240
80%	1,059	1,072	1,183	1,448	1,764	2,039	2,179	2,158	1,954	1,579	1,252	1,131
90%	958	945	993	1,277	1,479	1,721	1,695	1,623	1,420	1,165	1,038	959
Long Term												
Full Simulation Period[a]	1,584	1,643	1,851	2,122	2,380	2,577	2,805	2,833	2,524	2,053	1,748	1,658
Water Year Types[b]												
Wet (32%)	1,808	1,925	2,394	2,709	2,889	2,945	3,290	3,442	3,164	2,659	2,355	2,309
Above Normal (15%)	1,620	1,706	1,853	2,370	2,734	2,947	3,271	3,300	2,873	2,246	1,864	1,729
Below Normal (17%)	1,521	1,541	1,619	1,928	2,322	2,644	2,952	2,979	2,579	2,034	1,650	1,527
Dry (22%)	1,474	1,505	1,623	1,760	2,048	2,377	2,480	2,392	2,101	1,674	1,366	1,253
Critical (15%)	1,301	1,298	1,284	1,369	1,486	1,633	1,601	1,535	1,357	1,139	1,006	934

Alternative 4 H1 (LLT) minus No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	395	368	87	65	0	12	0	0	**-139**	**-29**	67	475
20%	394	426	395	1	68	15	0	0	**-183**	**-58**	17	372
30%	436	450	370	253	13	16	22	**-28**	**-223**	**-146**	**-55**	328
40%	161	233	284	356	116	111	16	**-12**	**-202**	**-165**	**-71**	179
50%	168	140	251	390	342	6	133	38	**-186**	**-144**	**-26**	208
60%	104	125	236	152	188	222	83	75	**-27**	90	83	150
70%	129	121	98	86	181	196	178	253	138	271	218	164
80%	186	137	79	140	126	127	9	6	43	282	299	234
90%	172	141	89	117	72	94	28	126	114	222	205	154
Long Term												
Full Simulation Period[a]	237	232	194	151	102	82	65	38	**-58**	28	81	250
Water Year Types[b]												
Wet (32%)	286	263	182	83	6	0	**0**	**-18**	**-128**	**-70**	2	423
Above Normal (15%)	258	277	272	225	122	17	10	**-41**	**-223**	**-209**	**-124**	146
Below Normal (17%)	229	233	201	203	150	148	117	68	**-97**	**-31**	38	119
Dry (22%)	250	241	251	227	226	221	182	156	120	273	308	245
Critical (15%)	101	107	46	48	46	41	27	28	33	180	168	138

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-3-18. Lake Oroville, End of Month Storage

No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,902	2,079	2,701	2,788	2,961	3,056	3,354	3,538	3,535	2,894	2,432	1,931
20%	1,766	1,849	2,149	2,787	2,788	2,983	3,292	3,538	3,310	2,680	2,250	1,843
30%	1,543	1,680	1,962	2,516	2,788	2,937	3,245	3,396	3,148	2,498	2,070	1,655
40%	1,425	1,442	1,817	2,150	2,672	2,809	3,213	3,305	2,970	2,346	1,893	1,523
50%	1,321	1,354	1,533	1,912	2,384	2,786	3,013	3,042	2,816	2,190	1,691	1,406
60%	1,177	1,221	1,337	1,694	2,132	2,499	2,745	2,712	2,415	1,833	1,462	1,260
70%	1,050	1,098	1,231	1,512	1,875	2,290	2,411	2,369	2,121	1,496	1,164	1,076
80%	873	935	1,104	1,308	1,638	1,912	2,170	2,152	1,911	1,297	953	898
90%	786	804	904	1,161	1,407	1,627	1,667	1,497	1,305	942	834	805
Long Term												
Full Simulation Period[a]	1,347	1,411	1,657	1,971	2,278	2,495	2,739	2,795	2,582	2,025	1,667	1,408
Water Year Types[b]												
Wet (32%)	1,522	1,661	2,212	2,626	2,883	2,945	3,290	3,461	3,292	2,730	2,353	1,885
Above Normal (15%)	1,362	1,429	1,581	2,146	2,612	2,930	3,261	3,341	3,096	2,455	1,987	1,583
Below Normal (17%)	1,292	1,308	1,418	1,725	2,172	2,497	2,835	2,911	2,676	2,065	1,612	1,409
Dry (22%)	1,224	1,265	1,372	1,533	1,822	2,156	2,299	2,236	1,981	1,401	1,058	1,008
Critical (15%)	1,199	1,191	1,238	1,321	1,440	1,592	1,574	1,508	1,324	959	838	796

Alternative 4 H2 (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,618	2,649	2,788	2,854	2,985	3,093	3,348	3,538	3,420	2,926	2,760	2,739
20%	2,392	2,431	2,719	2,788	2,870	3,020	3,243	3,536	3,197	2,733	2,531	2,402
30%	1,872	1,997	2,449	2,788	2,811	2,964	3,206	3,213	2,816	2,334	2,106	2,031
40%	1,672	1,691	2,025	2,553	2,788	2,932	3,107	2,999	2,693	2,113	1,862	1,781
50%	1,418	1,585	1,768	2,274	2,788	2,838	2,711	2,645	2,336	1,872	1,675	1,514
60%	1,292	1,410	1,624	1,921	2,451	2,788	2,477	2,324	2,058	1,688	1,453	1,382
70%	1,208	1,289	1,466	1,720	2,161	2,446	2,335	2,065	1,909	1,610	1,368	1,231
80%	1,102	1,163	1,344	1,594	1,880	2,181	2,267	1,993	1,842	1,494	1,178	1,088
90%	1,027	1,023	1,129	1,427	1,637	1,834	2,004	1,975	1,715	1,321	1,014	945
Long Term												
Full Simulation Period[a]	1,644	1,707	1,916	2,183	2,438	2,634	2,714	2,668	2,424	2,030	1,787	1,713
Water Year Types[b]												
Wet (32%)	1,833	1,958	2,354	2,685	2,893	2,945	3,088	3,097	2,936	2,551	2,354	2,321
Above Normal (15%)	1,469	1,564	1,800	2,310	2,629	2,883	2,951	2,889	2,617	2,196	1,903	1,822
Below Normal (17%)	1,622	1,642	1,752	2,030	2,378	2,662	2,692	2,642	2,288	1,809	1,500	1,423
Dry (22%)	1,493	1,540	1,666	1,805	2,096	2,427	2,532	2,436	2,139	1,721	1,452	1,347
Critical (15%)	1,659	1,631	1,650	1,718	1,843	1,988	1,965	1,900	1,709	1,455	1,281	1,172

Alternative 4 H2 (LLT) minus No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	715	570	87	66	24	38	**-5**	0	**-115**	32	329	808
20%	626	582	570	1	82	37	**-49**	**-2**	**-113**	53	281	559
30%	330	317	487	271	23	27	**-39**	**-183**	**-332**	**-164**	35	376
40%	248	249	208	404	116	123	**-106**	**-306**	**-277**	**-232**	**-32**	257
50%	96	231	235	363	403	52	**-302**	**-397**	**-480**	**-317**	**-16**	108
60%	116	189	287	228	319	289	**-267**	**-387**	**-357**	**-145**	**-8**	123
70%	159	191	236	209	286	156	**-77**	**-305**	**-212**	114	203	156
80%	229	228	240	286	242	269	97	**-159**	**-69**	197	225	190
90%	241	219	225	267	230	207	337	478	409	379	180	140
Long Term												
Full Simulation Period[a]	297	296	259	212	160	139	**-26**	**-126**	**-158**	4	120	305
Water Year Types[b]												
Wet (32%)	311	297	141	59	10	0	**-203**	**-364**	**-356**	**-179**	1	436
Above Normal (15%)	107	135	219	164	17	**-47**	**-310**	**-452**	**-479**	**-259**	**-84**	239
Below Normal (17%)	330	334	334	304	206	165	**-143**	**-269**	**-388**	**-256**	**-112**	14
Dry (22%)	270	276	293	272	274	271	234	200	158	319	394	339
Critical (15%)	459	440	413	397	403	396	391	392	385	496	444	375

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-3-19. Lake Oroville, End of Month Storage

No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,902	2,079	2,701	2,788	2,961	3,056	3,354	3,538	3,535	2,894	2,432	1,931
20%	1,766	1,849	2,149	2,787	2,788	2,983	3,292	3,538	3,310	2,680	2,250	1,843
30%	1,543	1,680	1,962	2,516	2,788	2,937	3,245	3,396	3,148	2,498	2,070	1,655
40%	1,425	1,442	1,817	2,150	2,672	2,809	3,213	3,305	2,970	2,346	1,893	1,523
50%	1,321	1,354	1,533	1,912	2,384	2,786	3,013	3,042	2,816	2,190	1,691	1,406
60%	1,177	1,221	1,337	1,694	2,132	2,499	2,745	2,712	2,415	1,833	1,462	1,260
70%	1,050	1,098	1,231	1,512	1,875	2,290	2,411	2,369	2,121	1,496	1,164	1,076
80%	873	935	1,104	1,308	1,638	1,912	2,170	2,152	1,911	1,297	953	898
90%	786	804	904	1,161	1,407	1,627	1,667	1,497	1,305	942	834	805
Long Term												
Full Simulation Period[a]	1,347	1,411	1,657	1,971	2,278	2,495	2,739	2,795	2,582	2,025	1,667	1,408
Water Year Types[b]												
Wet (32%)	1,522	1,661	2,212	2,626	2,883	2,945	3,290	3,461	3,292	2,730	2,353	1,885
Above Normal (15%)	1,362	1,429	1,581	2,146	2,612	2,930	3,261	3,341	3,096	2,455	1,987	1,583
Below Normal (17%)	1,292	1,308	1,418	1,725	2,172	2,497	2,835	2,911	2,676	2,065	1,612	1,409
Dry (22%)	1,224	1,265	1,372	1,533	1,822	2,156	2,299	2,236	1,981	1,401	1,058	1,008
Critical (15%)	1,199	1,191	1,238	1,321	1,440	1,592	1,574	1,508	1,324	959	838	796

Alternative 4 H3 (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,982	2,133	2,686	2,843	2,924	3,035	3,354	3,538	3,398	2,790	2,459	2,092
20%	1,811	1,903	2,230	2,788	2,796	2,985	3,292	3,538	3,093	2,599	2,259	1,845
30%	1,574	1,712	1,992	2,605	2,788	2,941	3,262	3,355	2,890	2,271	1,971	1,714
40%	1,476	1,515	1,867	2,318	2,773	2,841	3,213	3,291	2,779	2,167	1,777	1,561
50%	1,333	1,396	1,602	1,924	2,564	2,788	3,106	3,014	2,561	2,011	1,648	1,448
60%	1,228	1,270	1,447	1,685	2,117	2,574	2,756	2,729	2,303	1,872	1,558	1,330
70%	1,125	1,181	1,324	1,525	1,889	2,168	2,507	2,521	2,131	1,610	1,275	1,197
80%	1,026	1,044	1,167	1,399	1,636	1,908	2,057	2,051	1,813	1,425	1,107	1,081
90%	838	838	1,014	1,257	1,413	1,616	1,607	1,491	1,278	1,080	976	886
Long Term												
Full Simulation Period[a]	1,404	1,470	1,703	2,027	2,295	2,515	2,746	2,771	2,454	1,986	1,689	1,474
Water Year Types[b]												
Wet (32%)	1,570	1,710	2,230	2,687	2,861	2,945	3,290	3,440	3,139	2,620	2,314	1,921
Above Normal (15%)	1,458	1,539	1,720	2,283	2,684	2,947	3,277	3,305	2,875	2,237	1,853	1,551
Below Normal (17%)	1,363	1,378	1,492	1,799	2,228	2,581	2,890	2,902	2,499	1,948	1,575	1,447
Dry (22%)	1,284	1,320	1,429	1,582	1,868	2,199	2,308	2,224	1,939	1,540	1,269	1,191
Critical (15%)	1,221	1,215	1,201	1,278	1,399	1,550	1,523	1,452	1,270	1,075	936	884

Alternative 4 H3 (LLT) minus No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	80	53	**-15**	55	**-37**	**-21**	0	0	**-138**	**-104**	27	162
20%	45	54	81	1	8	2	0	0	**-217**	**-81**	10	2
30%	32	32	30	89	0	5	17	**-41**	**-257**	**-227**	**-100**	59
40%	51	73	50	168	101	32	0	**-14**	**-191**	**-178**	**-116**	38
50%	12	41	69	12	180	2	93	**-28**	**-256**	**-179**	**-44**	42
60%	51	49	111	**-9**	**-15**	75	12	18	**-112**	39	97	70
70%	75	83	94	13	15	**-122**	95	152	10	114	111	121
80%	153	109	63	91	**-2**	**-3**	**-112**	**-101**	**-98**	128	155	184
90%	52	34	111	97	6	**-11**	**-60**	**-6**	**-27**	138	142	81
Long Term												
Full Simulation Period[a]	58	59	46	56	17	20	6	**-24**	**-128**	**-39**	23	66
Water Year Types[b]												
Wet (32%)	48	49	17	61	**-22**	0	**0**	**-21**	**-153**	**-110**	**-39**	35
Above Normal (15%)	95	110	139	137	72	17	16	**-36**	**-220**	**-218**	**-134**	**-32**
Below Normal (17%)	71	70	74	74	56	84	55	**-9**	**-177**	**-117**	**-37**	38
Dry (22%)	60	56	57	49	46	43	9	**-12**	**-42**	139	211	183
Critical (15%)	21	24	**-36**	**-43**	**-41**	**-42**	**-51**	**-56**	**-54**	116	98	88

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-3-20. Lake Oroville, End of Month Storage

No Action Alternative (LLT)

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,902	2,079	2,701	2,788	2,961	3,056	3,354	3,538	3,535	2,894	2,432	1,931
20%	1,766	1,849	2,149	2,787	2,788	2,983	3,292	3,538	3,310	2,680	2,250	1,843
30%	1,543	1,680	1,962	2,516	2,788	2,937	3,245	3,396	3,148	2,498	2,070	1,655
40%	1,425	1,442	1,817	2,150	2,672	2,809	3,213	3,305	2,970	2,346	1,893	1,523
50%	1,321	1,354	1,533	1,912	2,384	2,786	3,013	3,042	2,816	2,190	1,691	1,406
60%	1,177	1,221	1,337	1,694	2,132	2,499	2,745	2,712	2,415	1,833	1,462	1,260
70%	1,050	1,098	1,231	1,512	1,875	2,290	2,411	2,369	2,121	1,496	1,164	1,076
80%	873	935	1,104	1,308	1,638	1,912	2,170	2,152	1,911	1,297	953	898
90%	786	804	904	1,161	1,407	1,627	1,667	1,497	1,305	942	834	805
Long Term												
Full Simulation Period[a]	1,347	1,411	1,657	1,971	2,278	2,495	2,739	2,795	2,582	2,025	1,667	1,408
Water Year Types[b]												
Wet (32%)	1,522	1,661	2,212	2,626	2,883	2,945	3,290	3,461	3,292	2,730	2,353	1,885
Above Normal (15%)	1,362	1,429	1,581	2,146	2,612	2,930	3,261	3,341	3,096	2,455	1,987	1,583
Below Normal (17%)	1,292	1,308	1,418	1,725	2,172	2,497	2,835	2,911	2,676	2,065	1,612	1,409
Dry (22%)	1,224	1,265	1,372	1,533	1,822	2,156	2,299	2,236	1,981	1,401	1,058	1,008
Critical (15%)	1,199	1,191	1,238	1,321	1,440	1,592	1,574	1,508	1,324	959	838	796

Alternative 4 H4 (LLT)

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,238	2,304	2,785	2,843	2,952	3,056	3,348	3,538	3,416	2,909	2,764	2,340
20%	2,029	2,101	2,444	2,788	2,849	2,983	3,238	3,532	3,149	2,699	2,470	2,180
30%	1,736	1,865	2,161	2,564	2,788	2,938	3,187	3,161	2,813	2,318	2,040	1,858
40%	1,599	1,649	1,879	2,356	2,788	2,874	2,941	2,837	2,499	2,014	1,804	1,695
50%	1,256	1,417	1,655	2,163	2,569	2,788	2,614	2,493	2,166	1,807	1,562	1,385
60%	1,186	1,239	1,516	1,818	2,308	2,732	2,422	2,261	1,999	1,596	1,380	1,179
70%	1,112	1,159	1,339	1,653	1,922	2,401	2,304	2,026	1,853	1,547	1,256	1,127
80%	1,010	1,074	1,203	1,527	1,752	1,987	2,131	1,993	1,784	1,442	1,163	1,043
90%	919	971	1,104	1,292	1,615	1,876	1,963	1,948	1,710	1,262	1,034	937
Long Term												
Full Simulation Period[a]	1,485	1,552	1,786	2,092	2,368	2,579	2,659	2,619	2,375	1,981	1,754	1,551
Water Year Types[b]												
Wet (32%)	1,636	1,779	2,255	2,652	2,885	2,945	3,085	3,096	2,930	2,515	2,318	1,964
Above Normal (15%)	1,334	1,429	1,662	2,207	2,559	2,840	2,905	2,832	2,563	2,129	1,904	1,663
Below Normal (17%)	1,445	1,461	1,581	1,871	2,281	2,603	2,641	2,611	2,244	1,766	1,476	1,399
Dry (22%)	1,354	1,393	1,502	1,667	1,952	2,290	2,393	2,305	2,030	1,665	1,407	1,295
Critical (15%)	1,550	1,530	1,561	1,663	1,781	1,929	1,912	1,848	1,656	1,402	1,226	1,109

Alternative 4 H4 (LLT) minus No Action Alternative (LLT)

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	336	224	84	55	-9	0	-5	0	-120	15	332	409
20%	263	252	295	1	61	0	-54	-6	-161	19	221	337
30%	193	186	199	48	0	1	-58	-234	-335	-181	-30	203
40%	174	207	62	206	116	65	-272	-468	-471	-331	-89	172
50%	-65	63	122	251	185	2	-399	-549	-651	-383	-129	-21
60%	9	18	179	124	175	232	-323	-450	-416	-237	-81	-81
70%	62	60	108	142	47	111	-108	-344	-268	51	92	51
80%	137	138	99	219	114	75	-39	-159	-127	145	210	146
90%	134	167	201	132	207	249	296	451	405	319	200	133
Long Term												
Full Simulation Period[a]	138	141	129	121	90	84	-80	-176	-207	-44	87	144
Water Year Types[b]												
Wet (32%)	114	118	42	26	2	0	-205	-364	-362	-214	-35	79
Above Normal (15%)	-28	0	81	61	-53	-90	-356	-509	-533	-326	-83	81
Below Normal (17%)	154	153	163	146	109	107	-194	-300	-432	-299	-136	-10
Dry (22%)	130	129	129	134	130	134	95	69	49	264	349	287
Critical (15%)	351	339	324	342	341	337	338	340	332	442	388	312

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-3-21. Lake Oroville, End of Month Storage

No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,902	2,079	2,701	2,788	2,961	3,056	3,354	3,538	3,535	2,894	2,432	1,931
20%	1,766	1,849	2,149	2,787	2,788	2,983	3,292	3,538	3,310	2,680	2,250	1,843
30%	1,543	1,680	1,962	2,516	2,788	2,937	3,245	3,396	3,148	2,498	2,070	1,655
40%	1,425	1,442	1,817	2,150	2,672	2,809	3,213	3,305	2,970	2,346	1,893	1,523
50%	1,321	1,354	1,533	1,912	2,384	2,786	3,013	3,042	2,816	2,190	1,691	1,406
60%	1,177	1,221	1,337	1,694	2,132	2,499	2,745	2,712	2,415	1,833	1,462	1,260
70%	1,050	1,098	1,231	1,512	1,875	2,290	2,411	2,369	2,121	1,496	1,164	1,076
80%	873	935	1,104	1,308	1,638	1,912	2,170	2,152	1,911	1,297	953	898
90%	786	804	904	1,161	1,407	1,627	1,667	1,497	1,305	942	834	805
Long Term												
Full Simulation Period[a]	1,347	1,411	1,657	1,971	2,278	2,495	2,739	2,795	2,582	2,025	1,667	1,408
Water Year Types[b]												
Wet (32%)	1,522	1,661	2,212	2,626	2,883	2,945	3,290	3,461	3,292	2,730	2,353	1,885
Above Normal (15%)	1,362	1,429	1,581	2,146	2,612	2,930	3,261	3,341	3,096	2,455	1,987	1,583
Below Normal (17%)	1,292	1,308	1,418	1,725	2,172	2,497	2,835	2,911	2,676	2,065	1,612	1,409
Dry (22%)	1,224	1,265	1,372	1,533	1,822	2,156	2,299	2,236	1,981	1,401	1,058	1,008
Critical (15%)	1,199	1,191	1,238	1,321	1,440	1,592	1,574	1,508	1,324	959	838	796

Alternative 5 (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,074	2,184	2,788	2,813	2,948	3,035	3,352	3,538	3,372	2,736	2,412	2,151
20%	1,834	2,027	2,341	2,788	2,822	2,983	3,292	3,538	3,175	2,548	2,219	1,947
30%	1,750	1,766	2,057	2,653	2,788	2,937	3,239	3,392	3,049	2,412	2,071	1,759
40%	1,541	1,675	1,881	2,296	2,775	2,841	3,217	3,305	2,904	2,232	1,834	1,665
50%	1,425	1,466	1,660	2,019	2,597	2,788	3,144	3,108	2,781	2,120	1,684	1,558
60%	1,257	1,308	1,439	1,765	2,235	2,606	2,797	2,835	2,399	1,788	1,518	1,388
70%	1,127	1,187	1,324	1,529	1,936	2,304	2,496	2,465	2,249	1,617	1,256	1,194
80%	963	1,020	1,157	1,394	1,714	1,953	2,037	2,113	1,882	1,340	1,091	1,077
90%	849	858	937	1,248	1,457	1,665	1,683	1,557	1,401	1,106	981	947
Long Term												
Full Simulation Period[a]	1,450	1,520	1,743	2,056	2,324	2,528	2,760	2,811	2,538	1,993	1,690	1,537
Water Year Types[b]												
Wet (32%)	1,655	1,800	2,298	2,705	2,881	2,945	3,290	3,462	3,215	2,616	2,314	2,014
Above Normal (15%)	1,486	1,568	1,743	2,313	2,723	2,947	3,278	3,357	3,012	2,358	1,902	1,744
Below Normal (17%)	1,407	1,426	1,526	1,828	2,263	2,603	2,919	2,982	2,658	1,989	1,563	1,469
Dry (22%)	1,314	1,354	1,444	1,605	1,884	2,212	2,326	2,252	1,971	1,481	1,241	1,183
Critical (15%)	1,223	1,223	1,239	1,337	1,447	1,593	1,559	1,492	1,312	1,049	950	908

Alternative 5 (LLT) minus No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	171	105	87	25	-13	-21	-2	0	-163	-158	-19	220
20%	68	178	192	1	34	0	0	0	-135	-133	-30	104
30%	207	87	96	136	0	0	-7	-4	-99	-87	1	104
40%	116	233	64	146	103	32	4	-1	-66	-113	-59	142
50%	104	112	128	107	213	2	131	66	-36	-70	-8	152
60%	80	87	102	71	102	107	52	124	-16	-45	57	128
70%	77	89	93	17	62	14	84	96	128	121	92	118
80%	90	85	53	86	76	41	-133	-39	-29	43	138	180
90%	63	55	34	87	49	38	17	60	96	164	148	142
Long Term												
Full Simulation Period[a]	103	109	85	85	46	33	21	16	-44	-33	24	130
Water Year Types[b]												
Wet (32%)	133	139	86	79	-2	0	0	1	-77	-114	-39	129
Above Normal (15%)	124	139	162	167	111	17	17	16	-84	-97	-86	161
Below Normal (17%)	116	118	108	103	91	106	84	71	-18	-76	-49	61
Dry (22%)	90	89	72	72	62	56	27	16	-10	80	183	175
Critical (15%)	24	32	2	15	7	1	-15	-16	-13	89	112	111

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-3-22. Lake Oroville, End of Month Storage

No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,902	2,079	2,701	2,788	2,961	3,056	3,354	3,538	3,535	2,894	2,432	1,931
20%	1,766	1,849	2,149	2,787	2,788	2,983	3,292	3,538	3,310	2,680	2,250	1,843
30%	1,543	1,680	1,962	2,516	2,788	2,937	3,245	3,396	3,148	2,498	2,070	1,655
40%	1,425	1,442	1,817	2,150	2,672	2,809	3,213	3,305	2,970	2,346	1,893	1,523
50%	1,321	1,354	1,533	1,912	2,384	2,786	3,013	3,042	2,816	2,190	1,691	1,406
60%	1,177	1,221	1,337	1,694	2,132	2,499	2,745	2,712	2,415	1,833	1,462	1,260
70%	1,050	1,098	1,231	1,512	1,875	2,290	2,411	2,369	2,121	1,496	1,164	1,076
80%	873	935	1,104	1,308	1,638	1,912	2,170	2,152	1,911	1,297	953	898
90%	786	804	904	1,161	1,407	1,627	1,667	1,497	1,305	942	834	805
Long Term												
Full Simulation Period[a]	1,347	1,411	1,657	1,971	2,278	2,495	2,739	2,795	2,582	2,025	1,667	1,408
Water Year Types[b]												
Wet (32%)	1,522	1,661	2,212	2,626	2,883	2,945	3,290	3,461	3,292	2,730	2,353	1,885
Above Normal (15%)	1,362	1,429	1,581	2,146	2,612	2,930	3,261	3,341	3,096	2,455	1,987	1,583
Below Normal (17%)	1,292	1,308	1,418	1,725	2,172	2,497	2,835	2,911	2,676	2,065	1,612	1,409
Dry (22%)	1,224	1,265	1,372	1,533	1,822	2,156	2,299	2,236	1,981	1,401	1,058	1,008
Critical (15%)	1,199	1,191	1,238	1,321	1,440	1,592	1,574	1,508	1,324	959	838	796

Alternative 6A,6B,6C (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,249	2,332	2,788	2,813	2,952	3,092	3,368	3,538	3,507	2,924	2,640	2,279
20%	2,083	2,184	2,448	2,788	2,862	2,998	3,307	3,538	3,284	2,811	2,446	2,116
30%	1,840	1,978	2,324	2,742	2,801	2,944	3,280	3,393	3,139	2,587	2,227	1,926
40%	1,744	1,790	2,087	2,471	2,788	2,906	3,229	3,310	2,984	2,501	2,067	1,769
50%	1,587	1,597	1,874	2,127	2,721	2,817	3,174	3,175	2,895	2,343	1,979	1,681
60%	1,444	1,422	1,642	1,948	2,402	2,788	3,017	2,976	2,702	2,204	1,748	1,474
70%	1,225	1,315	1,452	1,731	2,095	2,404	2,701	2,765	2,530	2,054	1,639	1,288
80%	1,118	1,170	1,327	1,524	1,889	2,147	2,305	2,262	2,119	1,739	1,384	1,144
90%	1,029	1,058	1,115	1,341	1,606	1,837	1,999	1,971	1,770	1,386	1,114	1,017
Long Term												
Full Simulation Period[a]	1,593	1,663	1,893	2,165	2,427	2,620	2,865	2,921	2,705	2,260	1,908	1,640
Water Year Types[b]												
Wet (32%)	1,846	1,993	2,431	2,717	2,897	2,945	3,290	3,436	3,250	2,797	2,474	2,145
Above Normal (15%)	1,602	1,690	1,899	2,434	2,768	2,947	3,278	3,360	3,058	2,509	2,091	1,798
Below Normal (17%)	1,501	1,517	1,663	1,960	2,400	2,724	3,064	3,140	2,887	2,315	1,844	1,521
Dry (22%)	1,440	1,481	1,604	1,769	2,060	2,394	2,535	2,506	2,312	1,946	1,601	1,348
Critical (15%)	1,373	1,367	1,422	1,536	1,647	1,804	1,792	1,735	1,549	1,257	1,032	961

Alternative 6A,6B,6C (LLT) minus No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	347	253	87	25	-9	37	14	0	-29	30	208	349
20%	317	335	299	1	74	15	15	0	-26	131	196	273
30%	298	299	363	226	13	7	35	-3	-9	89	157	271
40%	319	348	270	322	116	97	16	5	14	156	173	245
50%	265	243	341	215	337	31	160	132	79	153	288	275
60%	268	201	305	255	270	289	272	264	287	371	286	214
70%	175	217	221	220	220	114	290	396	409	558	474	213
80%	245	234	223	216	251	235	135	110	208	442	432	246
90%	244	254	212	180	198	210	332	474	465	443	280	213
Long Term												
Full Simulation Period[a]	247	252	236	194	149	125	125	126	123	235	241	232
Water Year Types[b]												
Wet (32%)	324	331	219	91	14	0	0	-25	-42	67	121	260
Above Normal (15%)	240	261	318	288	156	17	17	19	-38	54	104	216
Below Normal (17%)	210	209	245	235	228	227	229	229	211	250	232	112
Dry (22%)	216	216	232	236	238	238	236	270	331	545	543	340
Critical (15%)	174	176	185	214	207	212	218	228	225	297	194	165

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-3-23. Lake Oroville, End of Month Storage

No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,902	2,079	2,701	2,788	2,961	3,056	3,354	3,538	3,535	2,894	2,432	1,931
20%	1,766	1,849	2,149	2,787	2,788	2,983	3,292	3,538	3,310	2,680	2,250	1,843
30%	1,543	1,680	1,962	2,516	2,788	2,937	3,245	3,396	3,148	2,498	2,070	1,655
40%	1,425	1,442	1,817	2,150	2,672	2,809	3,213	3,305	2,970	2,346	1,893	1,523
50%	1,321	1,354	1,533	1,912	2,384	2,786	3,013	3,042	2,816	2,190	1,691	1,406
60%	1,177	1,221	1,337	1,694	2,132	2,499	2,745	2,712	2,415	1,833	1,462	1,260
70%	1,050	1,098	1,231	1,512	1,875	2,290	2,411	2,369	2,121	1,496	1,164	1,076
80%	873	935	1,104	1,308	1,638	1,912	2,170	2,152	1,911	1,297	953	898
90%	786	804	904	1,161	1,407	1,627	1,667	1,497	1,305	942	834	805
Long Term												
Full Simulation Period[a]	1,347	1,411	1,657	1,971	2,278	2,495	2,739	2,795	2,582	2,025	1,667	1,408
Water Year Types[b]												
Wet (32%)	1,522	1,661	2,212	2,626	2,883	2,945	3,290	3,461	3,292	2,730	2,353	1,885
Above Normal (15%)	1,362	1,429	1,581	2,146	2,612	2,930	3,261	3,341	3,096	2,455	1,987	1,583
Below Normal (17%)	1,292	1,308	1,418	1,725	2,172	2,497	2,835	2,911	2,676	2,065	1,612	1,409
Dry (22%)	1,224	1,265	1,372	1,533	1,822	2,156	2,299	2,236	1,981	1,401	1,058	1,008
Critical (15%)	1,199	1,191	1,238	1,321	1,440	1,592	1,574	1,508	1,324	959	838	796

Alternative 7 (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,185	2,301	2,788	2,843	2,952	3,059	3,373	3,538	3,481	2,886	2,617	2,211
20%	1,994	2,020	2,413	2,788	2,841	2,998	3,307	3,538	3,297	2,743	2,358	2,025
30%	1,819	1,891	2,117	2,742	2,788	2,949	3,280	3,421	3,149	2,550	2,151	1,864
40%	1,600	1,670	1,965	2,341	2,788	2,921	3,236	3,318	3,025	2,408	1,974	1,724
50%	1,521	1,567	1,836	2,141	2,600	2,807	3,180	3,195	2,856	2,266	1,862	1,651
60%	1,433	1,465	1,677	1,904	2,354	2,788	2,984	2,973	2,716	2,176	1,794	1,580
70%	1,376	1,377	1,566	1,767	2,195	2,474	2,657	2,740	2,526	1,906	1,614	1,474
80%	1,187	1,191	1,456	1,649	1,913	2,126	2,303	2,235	2,062	1,646	1,401	1,221
90%	975	957	1,021	1,400	1,644	1,962	2,020	1,937	1,679	1,295	1,075	1,031
Long Term												
Full Simulation Period[a]	1,569	1,633	1,864	2,153	2,413	2,624	2,869	2,927	2,689	2,197	1,861	1,642
Water Year Types[b]												
Wet (32%)	1,774	1,910	2,363	2,713	2,870	2,945	3,290	3,451	3,257	2,729	2,401	2,014
Above Normal (15%)	1,561	1,646	1,819	2,321	2,691	2,947	3,278	3,339	3,013	2,394	1,976	1,699
Below Normal (17%)	1,501	1,514	1,659	1,968	2,408	2,703	3,045	3,141	2,906	2,308	1,855	1,696
Dry (22%)	1,431	1,464	1,598	1,760	2,057	2,397	2,539	2,513	2,295	1,870	1,611	1,523
Critical (15%)	1,420	1,411	1,464	1,576	1,687	1,851	1,835	1,748	1,472	1,210	956	894

Alternative 7 (LLT) minus No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	282	222	87	55	-9	3	19	0	-54	-8	185	280
20%	228	171	264	1	53	15	15	0	-13	63	108	182
30%	276	212	155	225	0	12	35	26	1	52	81	208
40%	175	227	149	192	116	112	23	13	55	62	81	201
50%	200	212	304	229	216	21	167	153	39	77	171	245
60%	256	244	340	210	222	289	239	262	300	343	332	320
70%	326	278	335	255	320	184	246	371	405	410	449	399
80%	314	256	352	341	275	214	134	83	151	349	448	324
90%	189	153	117	239	237	335	353	440	374	352	241	227
Long Term												
Full Simulation Period[a]	222	222	206	182	136	129	129	132	107	172	194	234
Water Year Types[b]												
Wet (32%)	252	249	150	87	-13	0	0	-10	-35	-1	48	129
Above Normal (15%)	198	217	238	176	79	17	17	-2	-83	-61	-11	117
Below Normal (17%)	209	206	242	243	237	207	210	230	230	243	243	287
Dry (22%)	207	199	225	227	235	241	240	277	314	469	552	515
Critical (15%)	220	220	227	255	247	259	261	240	147	251	118	98

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-3-24. Lake Oroville, End of Month Storage

No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,902	2,079	2,701	2,788	2,961	3,056	3,354	3,538	3,535	2,894	2,432	1,931
20%	1,766	1,849	2,149	2,787	2,788	2,983	3,292	3,538	3,310	2,680	2,250	1,843
30%	1,543	1,680	1,962	2,516	2,788	2,937	3,245	3,396	3,148	2,498	2,070	1,655
40%	1,425	1,442	1,817	2,150	2,672	2,809	3,213	3,305	2,970	2,346	1,893	1,523
50%	1,321	1,354	1,533	1,912	2,384	2,786	3,013	3,042	2,816	2,190	1,691	1,406
60%	1,177	1,221	1,337	1,694	2,132	2,499	2,745	2,712	2,415	1,833	1,462	1,260
70%	1,050	1,098	1,231	1,512	1,875	2,290	2,411	2,369	2,121	1,496	1,164	1,076
80%	873	935	1,104	1,308	1,638	1,912	2,170	2,152	1,911	1,297	953	898
90%	786	804	904	1,161	1,407	1,627	1,667	1,497	1,305	942	834	805
Long Term												
Full Simulation Period[a]	1,347	1,411	1,657	1,971	2,278	2,495	2,739	2,795	2,582	2,025	1,667	1,408
Water Year Types[b]												
Wet (32%)	1,522	1,661	2,212	2,626	2,883	2,945	3,290	3,461	3,292	2,730	2,353	1,885
Above Normal (15%)	1,362	1,429	1,581	2,146	2,612	2,930	3,261	3,341	3,096	2,455	1,987	1,583
Below Normal (17%)	1,292	1,308	1,418	1,725	2,172	2,497	2,835	2,911	2,676	2,065	1,612	1,409
Dry (22%)	1,224	1,265	1,372	1,533	1,822	2,156	2,299	2,236	1,981	1,401	1,058	1,008
Critical (15%)	1,199	1,191	1,238	1,321	1,440	1,592	1,574	1,508	1,324	959	838	796

Alternative 8 (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,329	2,390	2,788	2,788	2,871	2,918	3,023	2,859	2,654	2,556	2,464	2,265
20%	2,040	2,135	2,600	2,788	2,788	2,828	2,844	2,729	2,607	2,391	2,240	2,004
30%	1,941	1,996	2,360	2,529	2,760	2,788	2,739	2,646	2,470	2,242	2,084	1,947
40%	1,785	1,922	2,104	2,332	2,541	2,664	2,580	2,458	2,298	2,056	1,895	1,809
50%	1,562	1,629	1,887	2,070	2,303	2,370	2,303	2,149	1,990	1,736	1,529	1,457
60%	1,226	1,398	1,657	1,879	2,106	2,154	2,055	1,891	1,693	1,491	1,313	1,260
70%	1,147	1,201	1,504	1,612	1,845	1,886	1,796	1,652	1,484	1,271	1,137	1,155
80%	997	1,035	1,136	1,430	1,556	1,655	1,615	1,420	1,278	1,084	1,006	1,018
90%	782	803	971	1,168	1,344	1,370	1,300	1,190	1,037	861	805	813
Long Term												
Full Simulation Period[a]	1,542	1,627	1,878	2,048	2,213	2,269	2,239	2,125	1,957	1,747	1,622	1,537
Water Year Types[b]												
Wet (32%)	1,823	1,988	2,441	2,623	2,827	2,844	2,917	2,818	2,652	2,430	2,315	2,124
Above Normal (15%)	1,455	1,551	1,804	2,142	2,363	2,529	2,448	2,329	2,160	1,926	1,766	1,677
Below Normal (17%)	1,394	1,434	1,586	1,764	2,004	2,055	1,992	1,850	1,684	1,488	1,343	1,309
Dry (22%)	1,495	1,540	1,691	1,785	1,873	1,921	1,820	1,692	1,517	1,317	1,186	1,163
Critical (15%)	1,260	1,279	1,351	1,434	1,483	1,535	1,475	1,388	1,228	1,035	956	954

Alternative 8 (LLT) minus No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	426	311	87	0	-90	-138	-331	-679	-882	-338	32	335
20%	274	286	451	1	0	-155	-448	-809	-703	-289	-9	161
30%	399	316	399	12	-28	-149	-506	-750	-678	-257	13	291
40%	361	479	287	183	-131	-145	-632	-847	-672	-290	2	285
50%	241	275	355	158	-81	-416	-710	-893	-826	-454	-163	51
60%	49	177	320	185	-26	-346	-690	-821	-722	-342	-149	0
70%	97	102	274	101	-30	-404	-616	-718	-637	-225	-27	79
80%	124	99	32	122	-82	-257	-554	-732	-634	-213	54	120
90%	-3	-1	67	7	-63	-257	-367	-307	-268	-81	-28	9
Long Term												
Full Simulation Period[a]	195	216	220	77	-65	-226	-501	-670	-625	-278	-45	130
Water Year Types[b]												
Wet (32%)	301	327	229	-3	-56	-101	-373	-643	-639	-300	-38	239
Above Normal (15%)	92	122	223	-4	-249	-401	-813	-1,012	-936	-529	-221	94
Below Normal (17%)	103	126	168	39	-168	-442	-843	-1,061	-992	-577	-269	-100
Dry (22%)	271	275	319	252	51	-235	-478	-544	-464	-84	128	155
Critical (15%)	61	88	113	112	43	-58	-99	-120	-96	75	118	157

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-3-25. Lake Oroville, End of Month Storage

No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,902	2,079	2,701	2,788	2,961	3,056	3,354	3,538	3,535	2,894	2,432	1,931
20%	1,766	1,849	2,149	2,787	2,788	2,983	3,292	3,538	3,310	2,680	2,250	1,843
30%	1,543	1,680	1,962	2,516	2,788	2,937	3,245	3,396	3,148	2,498	2,070	1,655
40%	1,425	1,442	1,817	2,150	2,672	2,809	3,213	3,305	2,970	2,346	1,893	1,523
50%	1,321	1,354	1,533	1,912	2,384	2,786	3,013	3,042	2,816	2,190	1,691	1,406
60%	1,177	1,221	1,337	1,694	2,132	2,499	2,745	2,712	2,415	1,833	1,462	1,260
70%	1,050	1,098	1,231	1,512	1,875	2,290	2,411	2,369	2,121	1,496	1,164	1,076
80%	873	935	1,104	1,308	1,638	1,912	2,170	2,152	1,911	1,297	953	898
90%	786	804	904	1,161	1,407	1,627	1,667	1,497	1,305	942	834	805
Long Term												
Full Simulation Period[a]	1,347	1,411	1,657	1,971	2,278	2,495	2,739	2,795	2,582	2,025	1,667	1,408
Water Year Types[b]												
Wet (32%)	1,522	1,661	2,212	2,626	2,883	2,945	3,290	3,461	3,292	2,730	2,353	1,885
Above Normal (15%)	1,362	1,429	1,581	2,146	2,612	2,930	3,261	3,341	3,096	2,455	1,987	1,583
Below Normal (17%)	1,292	1,308	1,418	1,725	2,172	2,497	2,835	2,911	2,676	2,065	1,612	1,409
Dry (22%)	1,224	1,265	1,372	1,533	1,822	2,156	2,299	2,236	1,981	1,401	1,058	1,008
Critical (15%)	1,199	1,191	1,238	1,321	1,440	1,592	1,574	1,508	1,324	959	838	796

Alternative 9 (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,927	2,093	2,774	2,807	2,952	3,056	3,354	3,538	3,536	2,893	2,468	1,946
20%	1,756	1,792	2,197	2,788	2,828	2,964	3,292	3,538	3,329	2,732	2,325	1,836
30%	1,573	1,688	1,910	2,540	2,788	2,933	3,245	3,381	3,103	2,489	2,108	1,672
40%	1,419	1,493	1,704	2,124	2,765	2,809	3,213	3,266	2,957	2,331	1,865	1,560
50%	1,277	1,380	1,582	1,888	2,309	2,770	2,998	3,013	2,720	2,102	1,685	1,336
60%	1,212	1,242	1,389	1,711	2,109	2,516	2,725	2,720	2,414	1,880	1,489	1,227
70%	1,036	1,104	1,275	1,524	1,971	2,330	2,505	2,417	2,159	1,574	1,137	1,087
80%	977	979	1,129	1,371	1,685	1,913	2,122	2,040	1,791	1,228	1,003	966
90%	795	787	923	1,143	1,403	1,617	1,654	1,478	1,321	982	841	806
Long Term												
Full Simulation Period[a]	1,355	1,417	1,661	1,975	2,281	2,505	2,743	2,769	2,559	2,029	1,671	1,405
Water Year Types[b]												
Wet (32%)	1,523	1,665	2,203	2,608	2,868	2,945	3,290	3,450	3,292	2,752	2,373	1,882
Above Normal (15%)	1,332	1,414	1,585	2,158	2,609	2,921	3,252	3,313	3,071	2,425	1,958	1,558
Below Normal (17%)	1,326	1,332	1,439	1,743	2,197	2,522	2,850	2,884	2,652	2,058	1,613	1,413
Dry (22%)	1,257	1,281	1,399	1,558	1,845	2,190	2,315	2,196	1,931	1,402	1,075	1,024
Critical (15%)	1,192	1,188	1,213	1,316	1,435	1,589	1,567	1,473	1,289	977	823	782

Alternative 9 (LLT) minus No Action Alternative (LLT)

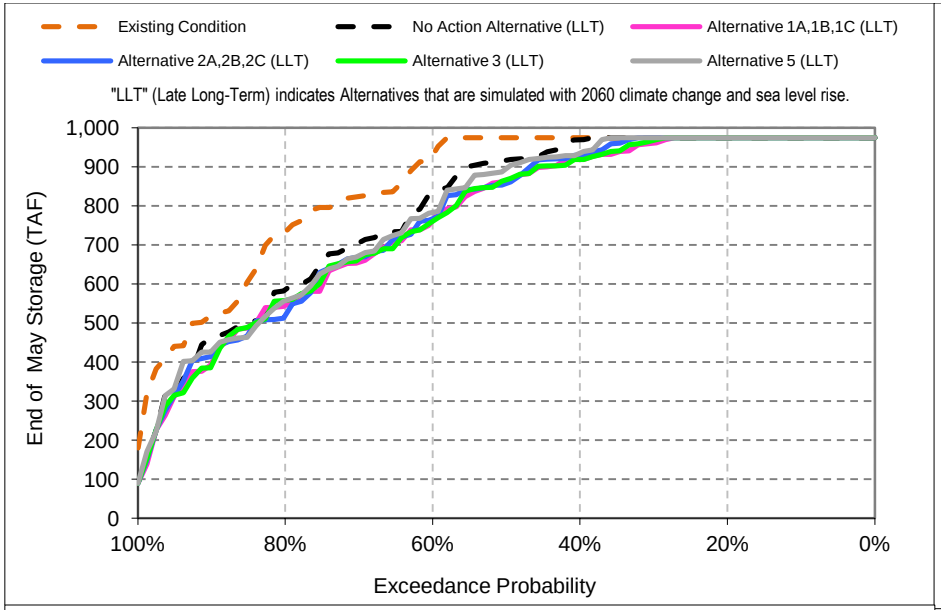
	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	25	14	73	19	-9	0	0	0	1	-1	36	15
20%	-10	-57	48	1	40	-19	0	0	19	52	75	-7
30%	30	8	-52	24	0	-3	0	-15	-45	-9	38	17
40%	-5	51	-113	-26	93	0	0	-39	-13	-15	-29	36
50%	-45	25	49	-24	-75	-16	-16	-30	-96	-87	-6	-70
60%	35	22	52	18	-24	17	-20	9	-1	47	28	-32
70%	-14	6	44	13	96	40	93	48	38	78	-28	11
80%	104	44	25	63	47	1	-47	-113	-121	-69	50	68
90%	9	-17	20	-17	-5	-10	-13	-19	16	40	7	1
Long Term												
Full Simulation Period[a]	8	6	4	4	4	10	4	-26	-24	4	4	-3
Water Year Types[b]												
Wet (32%)	1	4	-9	-18	-15	0	0	-11	0	22	20	-4
Above Normal (15%)	-30	-15	4	12	-3	-9	-9	-28	-25	-30	-29	-24
Below Normal (17%)	34	24	22	18	25	25	15	-27	-23	-7	1	4
Dry (22%)	33	16	27	25	23	34	17	-40	-50	0	17	16
Critical (15%)	-7	-3	-25	-5	-5	-3	-7	-34	-35	18	-15	-14

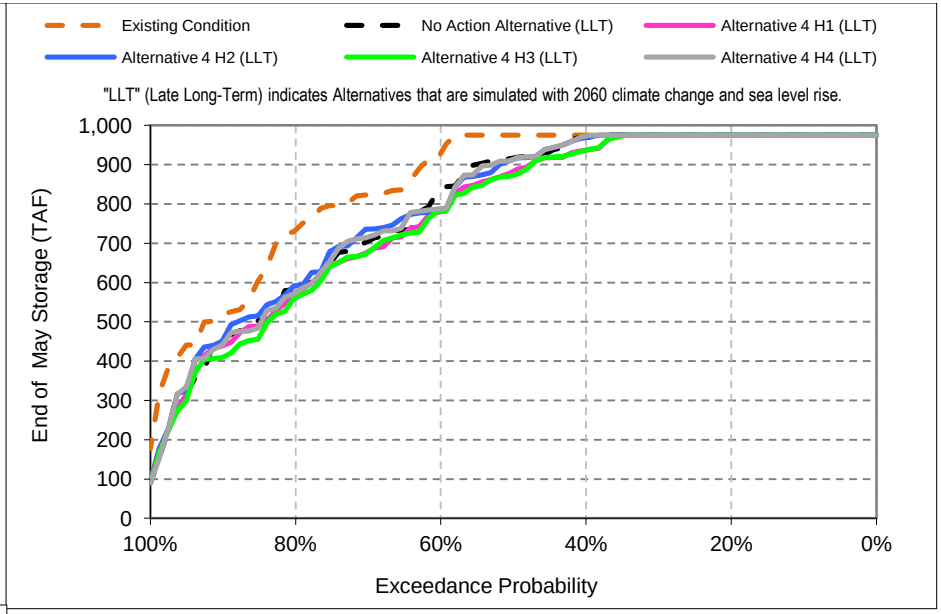
Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

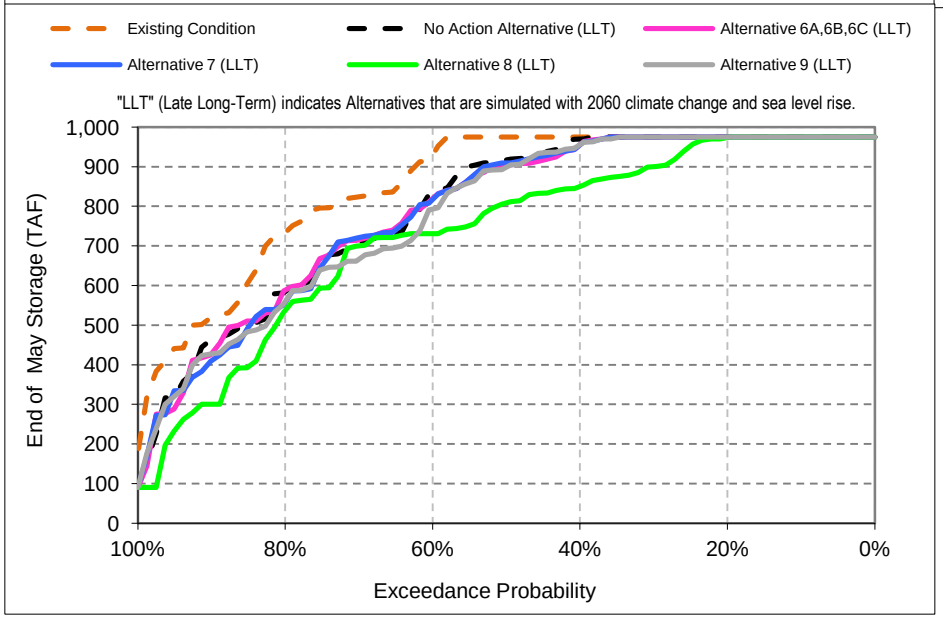
a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

C.4. Folsom Storage



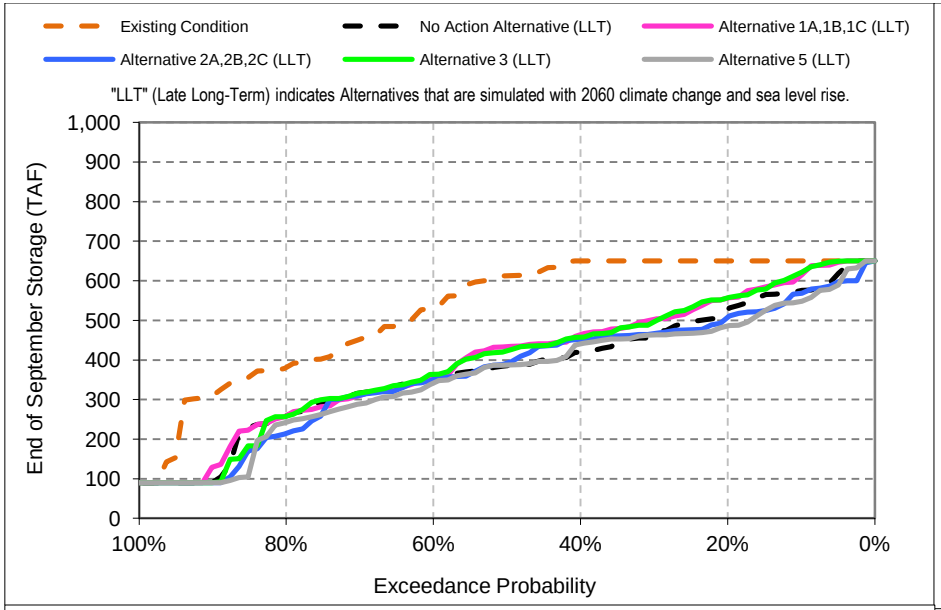


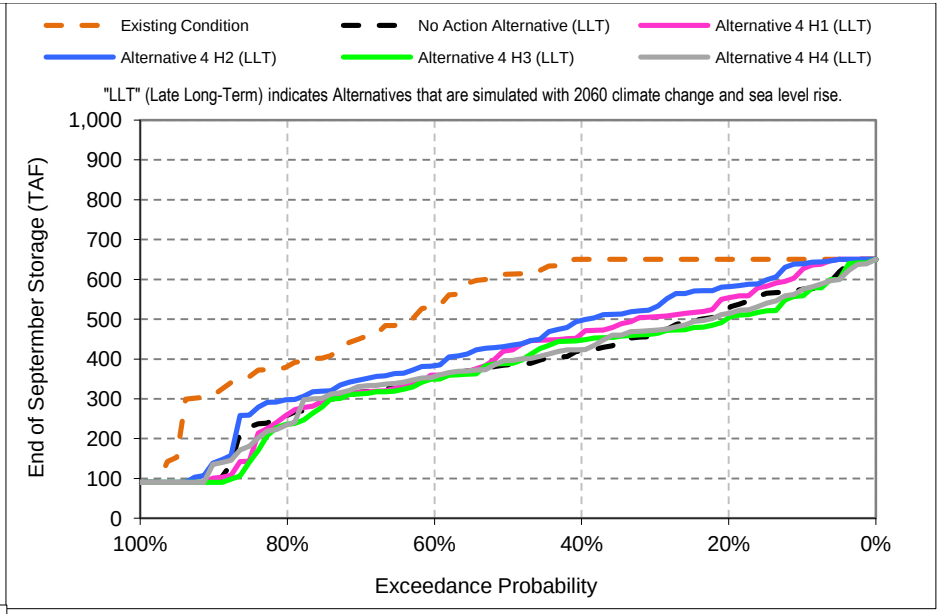


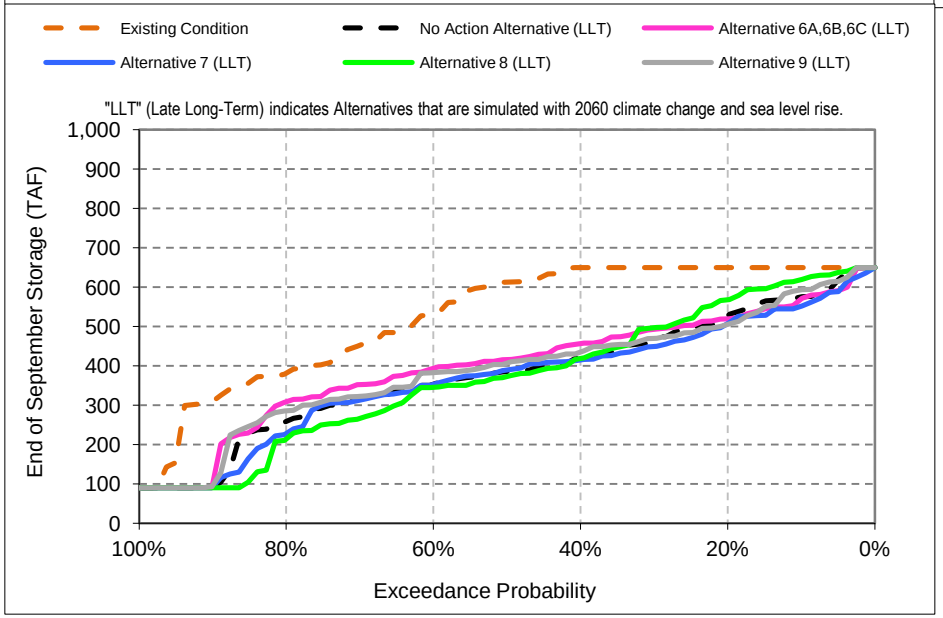
Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-4-1. Folsom Lake, End of May Storage







Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-4-2. Folsom Lake, End of September Storage

Table C-4-1. Folsom Lake, End of Month Storage

Existing Condition

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	652	575	575	575	575	672	800	975	975	950	800	650
20%	642	575	575	575	573	667	800	975	975	891	800	650
30%	632	575	571	570	563	659	800	975	975	807	767	650
40%	603	568	546	560	553	645	800	975	975	781	725	650
50%	583	544	516	521	536	634	800	975	975	751	659	613
60%	480	459	476	481	506	622	800	929	874	667	577	532
70%	411	420	404	431	467	601	755	824	743	554	476	452
80%	361	374	359	385	427	563	682	734	640	469	391	381
90%	301	297	285	318	359	465	498	519	499	376	326	310
Long Term												
Full Simulation Period[a]	505	467	468	479	494	598	727	850	823	684	600	525
Water Year Types[b]												
Wet (32%)	559	520	527	523	502	633	794	966	966	876	770	636
Above Normal (15%)	474	432	445	526	531	642	796	968	952	760	697	623
Below Normal (17%)	511	491	478	515	543	639	790	934	913	710	643	589
Dry (22%)	496	461	469	460	522	618	731	806	741	572	477	441
Critical (15%)	423	370	349	324	340	401	433	448	405	329	270	240

No Action Alternative (LLT)

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	548	494	575	575	575	672	800	975	975	798	718	575
20%	473	424	546	572	570	667	800	975	961	716	620	526
30%	415	399	492	561	562	660	800	975	878	618	547	469
40%	380	376	429	529	555	649	800	970	822	581	491	419
50%	348	351	389	457	518	629	800	917	770	527	428	385
60%	319	330	346	412	474	611	797	835	692	443	396	353
70%	292	299	306	347	417	570	686	706	601	372	332	317
80%	243	259	255	313	360	502	605	585	443	322	285	259
90%	92	115	212	233	330	402	431	463	410	180	90	91
Long Term												
Full Simulation Period[a]	354	341	388	431	469	580	697	791	712	509	439	379
Water Year Types[b]												
Wet (32%)	400	401	500	515	505	635	789	943	902	705	623	485
Above Normal (15%)	341	311	358	489	516	648	795	930	825	547	483	430
Below Normal (17%)	352	338	354	438	522	624	776	891	788	543	451	423
Dry (22%)	339	336	371	386	471	579	665	691	560	376	319	306
Critical (15%)	291	253	245	249	278	345	359	360	324	210	165	159

No Action Alternative (LLT) minus Existing Condition

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-103	-81	0	0	0	0	0	0	0	-152	-82	-75
20%	-169	-151	-29	-3	-3	0	0	0	-14	-175	-180	-124
30%	-218	-176	-78	-9	0	1	0	0	-97	-189	-220	-181
40%	-223	-192	-117	-31	1	4	0	-5	-153	-199	-234	-231
50%	-235	-193	-127	-64	-18	-6	0	-58	-205	-224	-232	-227
60%	-161	-130	-130	-69	-32	-11	-3	-94	-181	-225	-181	-179
70%	-118	-121	-98	-85	-50	-31	-69	-118	-142	-182	-144	-135
80%	-119	-115	-104	-71	-67	-61	-78	-148	-197	-148	-106	-123
90%	-209	-182	-73	-85	-29	-63	-67	-56	-89	-196	-236	-219
Long Term												
Full Simulation Period[a]	-151	-126	-79	-48	-25	-18	-29	-58	-112	-174	-161	-146
Water Year Types[b]												
Wet (32%)	-158	-119	-27	-8	3	2	-5	-23	-64	-172	-147	-151
Above Normal (15%)	-133	-122	-87	-37	-14	6	-1	-38	-126	-213	-215	-192
Below Normal (17%)	-159	-153	-124	-77	-21	-15	-14	-43	-125	-167	-192	-166
Dry (22%)	-157	-125	-98	-74	-51	-39	-66	-115	-181	-196	-158	-136
Critical (15%)	-132	-117	-104	-75	-62	-57	-74	-89	-81	-119	-105	-80

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-4-2. Folsom Lake, End of Month Storage

Existing Condition

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	652	575	575	575	575	672	800	975	975	950	800	650
20%	642	575	575	575	573	667	800	975	975	891	800	650
30%	632	575	571	570	563	659	800	975	975	807	767	650
40%	603	568	546	560	553	645	800	975	975	781	725	650
50%	583	544	516	521	536	634	800	975	975	751	659	613
60%	480	459	476	481	506	622	800	929	874	667	577	532
70%	411	420	404	431	467	601	755	824	743	554	476	452
80%	361	374	359	385	427	563	682	734	640	469	391	381
90%	301	297	285	318	359	465	498	519	499	376	326	310
Long Term												
Full Simulation Period[a]	505	467	468	479	494	598	727	850	823	684	600	525
Water Year Types[b]												
Wet (32%)	559	520	527	523	502	633	794	966	966	876	770	636
Above Normal (15%)	474	432	445	526	531	642	796	968	952	760	697	623
Below Normal (17%)	511	491	478	515	543	639	790	934	913	710	643	589
Dry (22%)	496	461	469	460	522	618	731	806	741	572	477	441
Critical (15%)	423	370	349	324	340	401	433	448	405	329	270	240

Alternative 1A,1B,1C (LLT)

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	617	570	575	575	575	670	800	975	938	748	658	613
20%	474	495	568	572	568	667	800	975	867	659	569	556
30%	434	414	502	563	561	658	800	961	807	576	519	502
40%	374	391	455	538	549	647	800	919	748	539	475	464
50%	337	346	382	458	515	632	798	865	661	500	452	434
60%	302	307	345	406	457	616	748	763	603	414	375	361
70%	271	280	286	366	405	570	685	656	551	340	312	310
80%	228	226	242	291	357	517	566	545	426	312	264	259
90%	115	133	193	184	301	398	425	397	353	197	126	130
Long Term												
Full Simulation Period[a]	354	346	387	429	461	577	689	764	650	477	420	400
Water Year Types[b]												
Wet (32%)	415	417	500	516	505	635	788	934	841	664	579	543
Above Normal (15%)	332	327	373	505	521	648	793	901	746	510	454	435
Below Normal (17%)	374	364	370	450	522	630	770	851	696	493	443	428
Dry (22%)	318	316	351	366	446	566	644	643	514	370	328	316
Critical (15%)	276	238	230	233	260	330	342	342	292	186	152	147

Alternative 1A,1B,1C (LLT) minus Existing Condition

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-35	-5	0	0	0	-2	0	0	-37	-202	-142	-37
20%	-168	-80	-7	-3	-5	0	0	0	-108	-232	-231	-94
30%	-198	-161	-69	-7	-1	-1	0	-14	-168	-231	-248	-148
40%	-229	-177	-91	-22	-4	1	0	-56	-227	-242	-250	-186
50%	-246	-198	-134	-63	-21	-3	-2	-110	-314	-251	-207	-179
60%	-178	-152	-131	-75	-49	-7	-52	-166	-271	-253	-201	-171
70%	-140	-140	-117	-65	-61	-31	-70	-168	-192	-214	-164	-142
80%	-134	-148	-117	-93	-70	-46	-116	-189	-213	-157	-127	-122
90%	-186	-164	-93	-134	-58	-67	-73	-122	-146	-179	-200	-180
Long Term												
Full Simulation Period[a]	-151	-121	-81	-50	-32	-22	-38	-86	-173	-206	-180	-125
Water Year Types[b]												
Wet (32%)	-144	-103	-27	-7	3	2	-6	-32	-125	-213	-191	-93
Above Normal (15%)	-143	-105	-72	-21	-9	6	-3	-67	-205	-250	-243	-188
Below Normal (17%)	-137	-126	-107	-65	-21	-9	-19	-82	-217	-218	-200	-160
Dry (22%)	-179	-145	-117	-94	-76	-52	-87	-163	-227	-202	-149	-125
Critical (15%)	-147	-133	-118	-91	-80	-71	-91	-106	-113	-143	-119	-92

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-4-3. Folsom Lake, End of Month Storage

Existing Condition

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	652	575	575	575	575	672	800	975	975	950	800	650
20%	642	575	575	575	573	667	800	975	975	891	800	650
30%	632	575	571	570	563	659	800	975	975	807	767	650
40%	603	568	546	560	553	645	800	975	975	781	725	650
50%	583	544	516	521	536	634	800	975	975	751	659	613
60%	480	459	476	481	506	622	800	929	874	667	577	532
70%	411	420	404	431	467	601	755	824	743	554	476	452
80%	361	374	359	385	427	563	682	734	640	469	391	381
90%	301	297	285	318	359	465	498	519	499	376	326	310
Long Term												
Full Simulation Period[a]	505	467	468	479	494	598	727	850	823	684	600	525
Water Year Types[b]												
Wet (32%)	559	520	527	523	502	633	794	966	966	876	770	636
Above Normal (15%)	474	432	445	526	531	642	796	968	952	760	697	623
Below Normal (17%)	511	491	478	515	543	639	790	934	913	710	643	589
Dry (22%)	496	461	469	460	522	618	731	806	741	572	477	441
Critical (15%)	423	370	349	324	340	401	433	448	405	329	270	240

Alternative 2A,2B,2C (LLT)

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	558	496	575	575	575	672	800	975	975	764	670	569
20%	459	434	556	571	571	667	800	975	889	671	572	508
30%	417	400	500	560	563	660	800	975	828	579	516	467
40%	395	380	432	541	555	649	800	930	755	546	484	452
50%	351	348	390	439	523	632	800	857	681	486	437	392
60%	318	316	341	403	429	613	752	767	607	420	376	351
70%	274	294	291	348	405	561	681	669	556	349	314	311
80%	198	238	253	300	354	497	589	520	410	258	234	214
90%	92	114	187	204	304	400	411	417	325	149	91	90
Long Term												
Full Simulation Period[a]	346	337	383	426	461	575	692	769	658	472	415	371
Water Year Types[b]												
Wet (32%)	387	394	498	515	505	635	789	936	846	667	583	483
Above Normal (15%)	343	319	367	498	520	648	795	899	758	500	447	406
Below Normal (17%)	355	343	350	437	518	620	770	858	716	492	433	418
Dry (22%)	328	320	355	375	452	568	657	658	518	360	320	306
Critical (15%)	278	249	231	228	256	327	343	343	293	168	142	136

Alternative 2A,2B,2C (LLT) minus Existing Condition

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-94	-79	0	0	0	0	0	0	0	-186	-130	-81
20%	-183	-141	-19	-4	-2	0	0	0	-86	-220	-228	-142
30%	-215	-175	-71	-10	0	1	0	0	-147	-227	-251	-183
40%	-209	-188	-114	-19	1	4	0	-45	-220	-235	-241	-198
50%	-232	-195	-126	-82	-13	-3	0	-118	-294	-265	-222	-221
60%	-162	-143	-135	-79	-77	-9	-48	-162	-267	-247	-201	-181
70%	-136	-126	-113	-84	-61	-40	-74	-155	-187	-205	-162	-141
80%	-164	-136	-105	-85	-72	-66	-94	-214	-230	-211	-156	-167
90%	-209	-183	-99	-114	-55	-64	-87	-102	-174	-227	-235	-220
Long Term												
Full Simulation Period[a]	-158	-130	-84	-53	-32	-23	-35	-80	-165	-212	-185	-154
Water Year Types[b]												
Wet (32%)	-172	-126	-29	-8	3	2	-5	-30	-120	-209	-187	-152
Above Normal (15%)	-131	-114	-78	-28	-11	6	-1	-69	-194	-260	-250	-216
Below Normal (17%)	-156	-148	-128	-78	-25	-19	-19	-76	-197	-218	-210	-171
Dry (22%)	-168	-141	-113	-85	-70	-50	-74	-148	-223	-212	-157	-135
Critical (15%)	-145	-121	-118	-96	-84	-75	-90	-105	-112	-161	-129	-103

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-4-4. Folsom Lake, End of Month Storage

Existing Condition

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	652	575	575	575	575	672	800	975	975	950	800	650
20%	642	575	575	575	573	667	800	975	975	891	800	650
30%	632	575	571	570	563	659	800	975	975	807	767	650
40%	603	568	546	560	553	645	800	975	975	781	725	650
50%	583	544	516	521	536	634	800	975	975	751	659	613
60%	480	459	476	481	506	622	800	929	874	667	577	532
70%	411	420	404	431	467	601	755	824	743	554	476	452
80%	361	374	359	385	427	563	682	734	640	469	391	381
90%	301	297	285	318	359	465	498	519	499	376	326	310
Long Term												
Full Simulation Period[a]	505	467	468	479	494	598	727	850	823	684	600	525
Water Year Types[b]												
Wet (32%)	559	520	527	523	502	633	794	966	966	876	770	636
Above Normal (15%)	474	432	445	526	531	642	796	968	952	760	697	623
Below Normal (17%)	511	491	478	515	543	639	790	934	913	710	643	589
Dry (22%)	496	461	469	460	522	618	731	806	741	572	477	441
Critical (15%)	423	370	349	324	340	401	433	448	405	329	270	240

Alternative 3 (LLT)

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	617	575	575	575	575	670	800	975	953	765	666	621
20%	480	501	568	571	566	667	800	975	870	670	576	557
30%	424	417	510	560	562	659	800	968	815	566	515	496
40%	379	385	453	521	556	647	800	919	747	531	476	458
50%	343	339	395	463	523	630	799	867	673	499	441	423
60%	308	322	345	394	460	615	760	761	602	412	378	363
70%	288	284	287	367	409	588	678	664	523	352	315	316
80%	249	240	250	278	362	511	585	558	440	288	265	258
90%	90	107	186	192	294	410	415	390	362	171	115	90
Long Term												
Full Simulation Period[a]	356	347	387	426	464	578	691	766	655	475	418	397
Water Year Types[b]												
Wet (32%)	412	414	496	515	505	635	788	934	846	666	582	544
Above Normal (15%)	335	328	374	505	522	648	793	903	751	509	454	433
Below Normal (17%)	370	360	363	431	528	629	775	852	697	488	439	424
Dry (22%)	325	321	355	370	454	572	650	647	516	358	321	310
Critical (15%)	287	245	237	232	260	330	345	344	303	185	151	144

Alternative 3 (LLT) minus Existing Condition

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-34	0	0	0	0	-2	0	0	-22	-185	-134	-29
20%	-162	-74	-7	-4	-7	0	0	0	-105	-221	-224	-93
30%	-209	-158	-61	-10	-1	0	0	-7	-160	-241	-253	-154
40%	-225	-183	-93	-39	2	2	0	-56	-228	-249	-249	-192
50%	-240	-204	-122	-58	-13	-4	-1	-108	-302	-252	-218	-190
60%	-173	-137	-131	-87	-46	-7	-40	-168	-272	-255	-199	-169
70%	-122	-135	-117	-64	-57	-13	-77	-160	-220	-202	-161	-136
80%	-113	-134	-109	-107	-65	-52	-97	-176	-199	-181	-126	-123
90%	-211	-190	-99	-126	-65	-54	-83	-129	-137	-204	-211	-220
Long Term												
Full Simulation Period[a]	-149	-120	-81	-53	-29	-21	-35	-84	-169	-209	-182	-128
Water Year Types[b]												
Wet (32%)	-147	-106	-31	-8	3	2	-6	-33	-120	-210	-188	-92
Above Normal (15%)	-139	-105	-71	-21	-8	6	-2	-65	-201	-251	-243	-189
Below Normal (17%)	-141	-131	-114	-84	-15	-11	-15	-82	-217	-222	-204	-164
Dry (22%)	-171	-140	-114	-90	-68	-46	-81	-159	-225	-214	-156	-132
Critical (15%)	-136	-126	-112	-92	-80	-71	-88	-104	-102	-144	-120	-95

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-4-5. Folsom Lake, End of Month Storage

Existing Condition

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	652	575	575	575	575	672	800	975	975	950	800	650
20%	642	575	575	575	573	667	800	975	975	891	800	650
30%	632	575	571	570	563	659	800	975	975	807	767	650
40%	603	568	546	560	553	645	800	975	975	781	725	650
50%	583	544	516	521	536	634	800	975	975	751	659	613
60%	480	459	476	481	506	622	800	929	874	667	577	532
70%	411	420	404	431	467	601	755	824	743	554	476	452
80%	361	374	359	385	427	563	682	734	640	469	391	381
90%	301	297	285	318	359	465	498	519	499	376	326	310
Long Term												
Full Simulation Period[a]	505	467	468	479	494	598	727	850	823	684	600	525
Water Year Types[b]												
Wet (32%)	559	520	527	523	502	633	794	966	966	876	770	636
Above Normal (15%)	474	432	445	526	531	642	796	968	952	760	697	623
Below Normal (17%)	511	491	478	515	543	639	790	934	913	710	643	589
Dry (22%)	496	461	469	460	522	618	731	806	741	572	477	441
Critical (15%)	423	370	349	324	340	401	433	448	405	329	270	240

Alternative 4 H1 (LLT)

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	600	559	575	575	575	670	800	975	975	744	674	624
20%	522	517	568	574	571	667	800	975	885	657	567	554
30%	449	446	510	565	563	660	800	975	837	583	529	506
40%	398	401	476	541	556	649	800	937	752	549	478	463
50%	349	364	418	463	524	634	800	883	694	472	430	421
60%	320	319	354	425	445	617	766	780	614	410	378	360
70%	289	302	307	382	421	577	687	679	526	359	321	317
80%	249	264	268	313	375	505	596	575	421	301	276	261
90%	99	112	195	215	306	423	434	439	367	165	91	101
Long Term												
Full Simulation Period[a]	367	361	398	437	471	583	698	780	662	476	417	394
Water Year Types[b]												
Wet (32%)	421	429	510	519	505	636	789	939	851	663	581	541
Above Normal (15%)	353	339	385	507	525	648	794	913	774	510	445	424
Below Normal (17%)	377	369	368	450	530	629	778	864	692	476	416	401
Dry (22%)	329	330	360	383	464	579	663	672	531	367	325	311
Critical (15%)	308	272	259	259	284	354	366	364	297	204	175	163

Alternative 4 H1 (LLT) minus Existing Condition

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-52	-16	0	0	0	-2	0	0	0	-206	-126	-26
20%	-120	-58	-7	0	-1	0	0	0	-90	-233	-233	-96
30%	-183	-129	-60	-5	0	1	0	0	-138	-224	-238	-144
40%	-206	-167	-70	-19	3	4	0	-38	-223	-232	-247	-187
50%	-234	-180	-99	-58	-12	0	0	-92	-281	-279	-229	-191
60%	-160	-140	-122	-56	-61	-5	-34	-149	-260	-258	-198	-172
70%	-122	-118	-97	-49	-45	-24	-68	-145	-218	-195	-155	-135
80%	-112	-110	-91	-72	-51	-57	-87	-159	-218	-168	-114	-121
90%	-202	-185	-90	-103	-53	-41	-64	-80	-132	-211	-235	-209
Long Term												
Full Simulation Period[a]	-138	-107	-70	-42	-23	-15	-28	-70	-162	-207	-183	-131
Water Year Types[b]												
Wet (32%)	-138	-91	-17	-4	3	3	-5	-27	-115	-214	-189	-95
Above Normal (15%)	-121	-94	-60	-19	-6	6	-2	-55	-178	-250	-252	-198
Below Normal (17%)	-134	-121	-110	-65	-13	-10	-11	-70	-221	-235	-227	-187
Dry (22%)	-167	-131	-108	-78	-58	-39	-68	-134	-210	-204	-152	-131
Critical (15%)	-116	-99	-90	-65	-55	-47	-67	-84	-108	-124	-96	-76

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-4-6. Folsom Lake, End of Month Storage

Existing Condition

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	652	575	575	575	575	672	800	975	975	950	800	650
20%	642	575	575	575	573	667	800	975	975	891	800	650
30%	632	575	571	570	563	659	800	975	975	807	767	650
40%	603	568	546	560	553	645	800	975	975	781	725	650
50%	583	544	516	521	536	634	800	975	975	751	659	613
60%	480	459	476	481	506	622	800	929	874	667	577	532
70%	411	420	404	431	467	601	755	824	743	554	476	452
80%	361	374	359	385	427	563	682	734	640	469	391	381
90%	301	297	285	318	359	465	498	519	499	376	326	310
Long Term												
Full Simulation Period[a]	505	467	468	479	494	598	727	850	823	684	600	525
Water Year Types[b]												
Wet (32%)	559	520	527	523	502	633	794	966	966	876	770	636
Above Normal (15%)	474	432	445	526	531	642	796	968	952	760	697	623
Below Normal (17%)	511	491	478	515	543	639	790	934	913	710	643	589
Dry (22%)	496	461	469	460	522	618	731	806	741	572	477	441
Critical (15%)	423	370	349	324	340	401	433	448	405	329	270	240

Alternative 4 H2 (LLT)

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	600	559	575	575	575	672	800	975	975	780	668	639
20%	538	518	574	572	575	667	800	975	971	696	600	581
30%	502	489	520	561	563	662	800	975	871	649	546	530
40%	428	417	488	541	559	655	800	969	808	592	520	497
50%	394	390	437	488	535	636	800	913	736	528	460	433
60%	345	338	385	446	470	621	796	783	704	472	412	383
70%	314	325	308	390	428	591	691	736	604	401	369	348
80%	285	289	271	319	392	526	636	592	473	359	315	298
90%	114	113	231	254	327	445	452	455	414	220	158	139
Long Term												
Full Simulation Period[a]	394	380	411	447	478	589	705	795	712	518	449	422
Water Year Types[b]												
Wet (32%)	448	442	508	519	505	635	789	943	889	700	611	568
Above Normal (15%)	370	350	392	507	524	648	795	921	830	569	498	479
Below Normal (17%)	404	393	392	468	537	636	786	899	793	558	477	454
Dry (22%)	368	363	390	404	481	591	677	694	569	393	345	326
Critical (15%)	327	290	275	273	299	369	383	382	328	210	170	157

Alternative 4 H2 (LLT) minus Existing Condition

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-52	-16	0	0	0	0	0	0	0	-170	-132	-11
20%	-104	-57	-1	-3	2	0	0	0	-4	-194	-200	-69
30%	-130	-86	-51	-9	0	3	0	0	-104	-157	-222	-120
40%	-175	-151	-58	-19	6	10	0	-6	-167	-189	-205	-153
50%	-189	-154	-79	-33	-1	2	0	-62	-239	-223	-199	-180
60%	-135	-121	-91	-35	-36	-1	-4	-146	-170	-196	-165	-149
70%	-97	-95	-96	-41	-39	-11	-64	-88	-139	-153	-107	-104
80%	-76	-85	-88	-65	-35	-37	-47	-142	-167	-110	-76	-83
90%	-187	-183	-55	-64	-32	-19	-46	-64	-85	-156	-168	-171
Long Term												
Full Simulation Period[a]	-111	-87	-56	-32	-16	-9	-21	-55	-112	-166	-152	-103
Water Year Types[b]												
Wet (32%)	-111	-78	-19	-4	3	2	-5	-24	-77	-176	-159	-68
Above Normal (15%)	-104	-83	-53	-19	-7	6	-1	-47	-122	-190	-199	-144
Below Normal (17%)	-107	-98	-85	-47	-6	-3	-3	-34	-120	-152	-166	-134
Dry (22%)	-128	-98	-78	-56	-41	-27	-54	-112	-172	-179	-132	-115
Critical (15%)	-96	-80	-74	-51	-41	-32	-50	-66	-77	-118	-100	-82

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-4-7. Folsom Lake, End of Month Storage

Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	652	575	575	575	575	672	800	975	975	950	800	650
20%	642	575	575	575	573	667	800	975	975	891	800	650
30%	632	575	571	570	563	659	800	975	975	807	767	650
40%	603	568	546	560	553	645	800	975	975	781	725	650
50%	583	544	516	521	536	634	800	975	975	751	659	613
60%	480	459	476	481	506	622	800	929	874	667	577	532
70%	411	420	404	431	467	601	755	824	743	554	476	452
80%	361	374	359	385	427	563	682	734	640	469	391	381
90%	301	297	285	318	359	465	498	519	499	376	326	310
Long Term												
Full Simulation Period[a]	505	467	468	479	494	598	727	850	823	684	600	525
Water Year Types[b]												
Wet (32%)	559	520	527	523	502	633	794	966	966	876	770	636
Above Normal (15%)	474	432	445	526	531	642	796	968	952	760	697	623
Below Normal (17%)	511	491	478	515	543	639	790	934	913	710	643	589
Dry (22%)	496	461	469	460	522	618	731	806	741	572	477	441
Critical (15%)	423	370	349	324	340	401	433	448	405	329	270	240

Alternative 4 H3 (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	555	512	575	575	575	670	800	975	975	764	677	558
20%	444	431	549	573	574	667	800	975	886	678	584	503
30%	422	400	500	563	563	659	800	975	839	581	520	464
40%	377	380	430	541	556	649	800	937	753	542	474	447
50%	345	345	382	437	523	632	800	873	691	476	437	389
60%	323	313	341	395	430	617	769	781	640	411	379	349
70%	287	297	302	359	404	561	681	677	557	361	319	313
80%	220	243	257	298	362	509	588	561	412	329	275	236
90%	90	100	188	206	283	383	401	411	331	157	90	90
Long Term												
Full Simulation Period[a]	345	337	385	428	463	577	693	774	666	475	417	371
Water Year Types[b]												
Wet (32%)	390	396	500	515	505	635	789	938	856	669	587	485
Above Normal (15%)	335	313	361	495	518	648	795	913	775	508	443	405
Below Normal (17%)	345	339	351	438	523	622	775	864	724	488	431	417
Dry (22%)	330	322	357	378	455	571	657	662	519	358	318	302
Critical (15%)	281	251	239	233	262	332	346	346	299	182	152	143

Alternative 4 H3 (LLT) minus Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-96	-63	0	0	0	-2	0	0	0	-186	-123	-92
20%	-198	-144	-26	-2	1	0	0	0	-89	-213	-216	-147
30%	-210	-175	-71	-7	0	0	0	0	-136	-225	-247	-186
40%	-226	-188	-116	-19	2	3	0	-38	-222	-238	-251	-203
50%	-238	-198	-134	-84	-13	-3	0	-102	-284	-275	-222	-224
60%	-157	-146	-135	-86	-76	-6	-31	-148	-234	-256	-198	-183
70%	-123	-123	-102	-72	-62	-40	-74	-147	-187	-193	-157	-139
80%	-141	-130	-102	-87	-64	-54	-94	-172	-227	-141	-115	-145
90%	-211	-197	-98	-112	-76	-82	-97	-109	-169	-219	-236	-220
Long Term												
Full Simulation Period[a]	-160	-131	-83	-51	-30	-22	-33	-75	-157	-209	-183	-154
Water Year Types[b]												
Wet (32%)	-169	-124	-27	-8	3	3	-5	-29	-110	-208	-183	-151
Above Normal (15%)	-139	-119	-84	-31	-13	6	-1	-54	-177	-251	-254	-218
Below Normal (17%)	-166	-152	-127	-77	-20	-17	-15	-69	-189	-222	-212	-172
Dry (22%)	-166	-139	-111	-82	-67	-47	-74	-144	-222	-214	-159	-139
Critical (15%)	-142	-119	-110	-90	-78	-69	-87	-102	-106	-147	-118	-96

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-4-8. Folsom Lake, End of Month Storage

Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	652	575	575	575	575	672	800	975	975	950	800	650
20%	642	575	575	575	573	667	800	975	975	891	800	650
30%	632	575	571	570	563	659	800	975	975	807	767	650
40%	603	568	546	560	553	645	800	975	975	781	725	650
50%	583	544	516	521	536	634	800	975	975	751	659	613
60%	480	459	476	481	506	622	800	929	874	667	577	532
70%	411	420	404	431	467	601	755	824	743	554	476	452
80%	361	374	359	385	427	563	682	734	640	469	391	381
90%	301	297	285	318	359	465	498	519	499	376	326	310
Long Term												
Full Simulation Period[a]	505	467	468	479	494	598	727	850	823	684	600	525
Water Year Types[b]												
Wet (32%)	559	520	527	523	502	633	794	966	966	876	770	636
Above Normal (15%)	474	432	445	526	531	642	796	968	952	760	697	623
Below Normal (17%)	511	491	478	515	543	639	790	934	913	710	643	589
Dry (22%)	496	461	469	460	522	618	731	806	741	572	477	441
Critical (15%)	423	370	349	324	340	401	433	448	405	329	270	240

Alternative 4 H4 (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	575	517	575	575	575	672	800	975	975	787	683	574
20%	474	447	564	572	574	667	800	975	971	702	604	514
30%	431	404	502	561	563	662	800	975	877	650	546	472
40%	386	381	446	541	556	652	800	973	824	593	512	423
50%	366	364	389	449	523	634	800	914	742	540	459	396
60%	322	333	349	414	456	618	787	788	692	454	387	356
70%	310	303	297	361	411	578	691	716	607	376	335	331
80%	246	268	266	317	381	519	608	575	470	336	309	235
90%	128	129	221	253	344	411	419	444	380	216	128	136
Long Term												
Full Simulation Period[a]	360	351	394	436	471	584	701	792	706	515	441	380
Water Year Types[b]												
Wet (32%)	402	406	497	515	505	635	789	942	889	695	606	468
Above Normal (15%)	331	313	363	490	514	648	795	924	829	568	488	436
Below Normal (17%)	362	355	366	449	527	629	780	896	790	559	474	450
Dry (22%)	352	342	374	392	472	584	673	688	560	393	337	314
Critical (15%)	305	275	262	261	286	356	370	369	307	205	157	148

Alternative 4 H4 (LLT) minus Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-76	-58	0	0	0	0	0	0	0	-163	-117	-76
20%	-168	-128	-11	-3	1	0	0	0	-4	-189	-196	-136
30%	-201	-171	-69	-9	0	3	0	0	-98	-157	-221	-178
40%	-217	-187	-100	-19	2	7	0	-2	-151	-188	-213	-227
50%	-217	-180	-128	-72	-13	0	0	-61	-232	-211	-200	-217
60%	-158	-126	-127	-67	-50	-4	-13	-141	-182	-214	-189	-176
70%	-101	-116	-107	-70	-56	-24	-64	-108	-137	-178	-141	-121
80%	-115	-106	-93	-68	-46	-44	-74	-159	-169	-134	-82	-146
90%	-173	-168	-64	-65	-15	-54	-79	-75	-119	-160	-198	-174
Long Term												
Full Simulation Period[a]	-145	-116	-74	-43	-23	-14	-25	-58	-118	-169	-159	-145
Water Year Types[b]												
Wet (32%)	-157	-113	-30	-8	3	3	-5	-24	-77	-181	-164	-167
Above Normal (15%)	-143	-119	-82	-36	-17	6	-1	-44	-123	-192	-209	-186
Below Normal (17%)	-149	-135	-111	-66	-16	-11	-10	-38	-124	-151	-169	-139
Dry (22%)	-144	-119	-94	-68	-50	-34	-58	-118	-181	-179	-140	-127
Critical (15%)	-118	-95	-87	-63	-54	-45	-63	-79	-98	-124	-113	-91

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-4-9. Folsom Lake, End of Month Storage

Existing Condition

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	652	575	575	575	575	672	800	975	975	950	800	650
20%	642	575	575	575	573	667	800	975	975	891	800	650
30%	632	575	571	570	563	659	800	975	975	807	767	650
40%	603	568	546	560	553	645	800	975	975	781	725	650
50%	583	544	516	521	536	634	800	975	975	751	659	613
60%	480	459	476	481	506	622	800	929	874	667	577	532
70%	411	420	404	431	467	601	755	824	743	554	476	452
80%	361	374	359	385	427	563	682	734	640	469	391	381
90%	301	297	285	318	359	465	498	519	499	376	326	310
Long Term												
Full Simulation Period[a]	505	467	468	479	494	598	727	850	823	684	600	525
Water Year Types[b]												
Wet (32%)	559	520	527	523	502	633	794	966	966	876	770	636
Above Normal (15%)	474	432	445	526	531	642	796	968	952	760	697	623
Below Normal (17%)	511	491	478	515	543	639	790	934	913	710	643	589
Dry (22%)	496	461	469	460	522	618	731	806	741	572	477	441
Critical (15%)	423	370	349	324	340	401	433	448	405	329	270	240

Alternative 5 (LLT)

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	540	487	575	575	575	672	800	975	975	783	686	548
20%	454	432	543	571	566	667	800	975	892	671	594	486
30%	416	401	492	558	561	660	800	975	847	584	508	463
40%	361	379	442	539	548	648	800	935	760	542	476	440
50%	339	342	388	440	523	632	800	896	724	495	434	387
60%	295	311	351	402	445	608	770	783	660	417	379	342
70%	266	292	304	363	406	560	684	673	569	349	304	289
80%	247	249	256	303	360	505	595	557	424	308	260	242
90%	90	99	190	237	310	397	418	428	362	140	90	90
Long Term												
Full Simulation Period[a]	341	333	385	429	465	578	694	779	674	472	417	363
Water Year Types[b]												
Wet (32%)	386	393	501	515	505	635	789	940	868	669	593	472
Above Normal (15%)	323	307	357	494	517	648	795	919	795	546	479	419
Below Normal (17%)	324	319	339	429	519	622	775	871	738	499	433	418
Dry (22%)	336	328	362	385	459	570	652	662	518	329	294	282
Critical (15%)	286	252	246	244	275	344	356	355	294	157	137	128

Alternative 5 (LLT) minus Existing Condition

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-112	-88	0	0	0	0	0	0	0	-167	-114	-102
20%	-188	-143	-32	-4	-7	0	0	0	-83	-220	-206	-164
30%	-216	-174	-78	-12	-2	1	0	0	-128	-222	-259	-187
40%	-243	-189	-104	-21	-6	3	0	-40	-215	-238	-249	-210
50%	-244	-201	-128	-81	-13	-3	0	-79	-251	-256	-225	-226
60%	-186	-148	-125	-80	-61	-14	-30	-146	-214	-250	-198	-190
70%	-144	-128	-100	-68	-60	-41	-71	-151	-174	-205	-172	-163
80%	-114	-124	-103	-81	-66	-58	-88	-176	-216	-161	-131	-139
90%	-211	-197	-95	-81	-50	-68	-80	-91	-137	-236	-236	-220
Long Term												
Full Simulation Period[a]	-164	-134	-83	-50	-28	-20	-33	-71	-149	-212	-183	-162
Water Year Types[b]												
Wet (32%)	-172	-127	-26	-8	3	2	-5	-26	-98	-208	-177	-163
Above Normal (15%)	-151	-126	-88	-32	-14	6	-1	-49	-156	-214	-218	-203
Below Normal (17%)	-187	-172	-138	-86	-24	-17	-15	-62	-175	-211	-210	-171
Dry (22%)	-160	-132	-106	-75	-63	-48	-79	-143	-223	-242	-183	-159
Critical (15%)	-137	-118	-103	-80	-64	-58	-77	-93	-111	-171	-133	-112

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-4-10. Folsom Lake, End of Month Storage

Existing Condition

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	652	575	575	575	575	672	800	975	975	950	800	650
20%	642	575	575	575	573	667	800	975	975	891	800	650
30%	632	575	571	570	563	659	800	975	975	807	767	650
40%	603	568	546	560	553	645	800	975	975	781	725	650
50%	583	544	516	521	536	634	800	975	975	751	659	613
60%	480	459	476	481	506	622	800	929	874	667	577	532
70%	411	420	404	431	467	601	755	824	743	554	476	452
80%	361	374	359	385	427	563	682	734	640	469	391	381
90%	301	297	285	318	359	465	498	519	499	376	326	310
Long Term												
Full Simulation Period[a]	505	467	468	479	494	598	727	850	823	684	600	525
Water Year Types[b]												
Wet (32%)	559	520	527	523	502	633	794	966	966	876	770	636
Above Normal (15%)	474	432	445	526	531	642	796	968	952	760	697	623
Below Normal (17%)	511	491	478	515	543	639	790	934	913	710	643	589
Dry (22%)	496	461	469	460	522	618	731	806	741	572	477	441
Critical (15%)	423	370	349	324	340	401	433	448	405	329	270	240

Alternative 6A,6B,6C (LLT)

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	532	489	575	575	575	670	800	975	975	776	607	570
20%	491	464	568	571	571	667	800	975	919	699	592	519
30%	436	417	506	560	563	660	800	975	871	642	555	493
40%	399	390	455	533	557	652	800	956	800	589	508	456
50%	375	375	392	446	528	634	800	904	751	521	443	416
60%	349	343	362	412	439	621	771	819	683	472	422	394
70%	330	324	310	355	411	574	712	716	635	412	367	352
80%	258	268	269	298	378	473	612	589	486	360	328	309
90%	100	113	195	231	274	410	457	427	370	273	99	101
Long Term												
Full Simulation Period[a]	367	353	394	431	465	578	700	788	706	512	438	399
Water Year Types[b]												
Wet (32%)	429	423	509	515	505	635	788	937	878	673	575	500
Above Normal (15%)	369	342	384	495	518	648	795	921	815	566	499	456
Below Normal (17%)	348	341	357	445	521	622	779	883	787	576	484	457
Dry (22%)	352	344	371	382	463	572	672	693	573	401	346	332
Critical (15%)	277	241	236	242	266	344	364	363	329	198	162	156

Alternative 6A,6B,6C (LLT) minus Existing Condition

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-120	-86	0	0	0	-2	0	0	0	-174	-193	-80
20%	-151	-111	-7	-4	-2	0	0	0	-56	-192	-208	-131
30%	-197	-158	-64	-10	0	1	0	0	-104	-164	-213	-157
40%	-204	-178	-91	-27	3	7	0	-19	-175	-191	-216	-194
50%	-208	-168	-125	-75	-8	0	0	-71	-224	-230	-216	-197
60%	-131	-116	-114	-69	-67	-1	-29	-110	-191	-195	-155	-138
70%	-81	-96	-94	-77	-56	-27	-43	-108	-108	-142	-109	-100
80%	-104	-105	-89	-86	-49	-90	-71	-145	-154	-109	-63	-72
90%	-201	-184	-91	-87	-85	-55	-42	-92	-129	-103	-227	-209
Long Term												
Full Simulation Period[a]	-138	-114	-73	-48	-28	-20	-27	-62	-117	-172	-163	-126
Water Year Types[b]												
Wet (32%)	-130	-97	-18	-8	3	2	-5	-29	-88	-203	-195	-135
Above Normal (15%)	-105	-91	-61	-31	-13	6	-1	-47	-137	-194	-198	-166
Below Normal (17%)	-163	-149	-121	-70	-22	-17	-11	-50	-126	-134	-159	-132
Dry (22%)	-144	-116	-98	-78	-59	-46	-59	-113	-168	-170	-131	-109
Critical (15%)	-146	-129	-113	-82	-74	-57	-69	-85	-76	-131	-108	-83

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-4-11. Folsom Lake, End of Month Storage

Existing Condition

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	652	575	575	575	575	672	800	975	975	950	800	650
20%	642	575	575	575	573	667	800	975	975	891	800	650
30%	632	575	571	570	563	659	800	975	975	807	767	650
40%	603	568	546	560	553	645	800	975	975	781	725	650
50%	583	544	516	521	536	634	800	975	975	751	659	613
60%	480	459	476	481	506	622	800	929	874	667	577	532
70%	411	420	404	431	467	601	755	824	743	554	476	452
80%	361	374	359	385	427	563	682	734	640	469	391	381
90%	301	297	285	318	359	465	498	519	499	376	326	310
Long Term												
Full Simulation Period[a]	505	467	468	479	494	598	727	850	823	684	600	525
Water Year Types[b]												
Wet (32%)	559	520	527	523	502	633	794	966	966	876	770	636
Above Normal (15%)	474	432	445	526	531	642	796	968	952	760	697	623
Below Normal (17%)	511	491	478	515	543	639	790	934	913	710	643	589
Dry (22%)	496	461	469	460	522	618	731	806	741	572	477	441
Critical (15%)	423	370	349	324	340	401	433	448	405	329	270	240

Alternative 7 (LLT)

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	541	499	575	575	575	670	800	975	975	766	670	551
20%	479	440	558	571	571	667	800	975	895	689	587	507
30%	411	407	498	562	563	661	800	975	841	594	508	449
40%	383	373	435	541	558	652	800	955	771	546	455	415
50%	350	346	396	434	526	634	800	909	726	485	421	390
60%	319	319	356	396	436	617	796	817	660	427	387	353
70%	298	301	302	356	409	580	698	721	600	364	327	313
80%	203	188	246	272	359	497	602	558	456	314	270	228
90%	90	115	167	204	265	376	396	410	351	157	97	93
Long Term												
Full Simulation Period[a]	346	334	384	426	462	576	699	785	684	482	417	369
Water Year Types[b]												
Wet (32%)	406	407	505	515	505	635	789	939	860	673	591	484
Above Normal (15%)	347	321	368	498	520	648	795	918	784	525	464	424
Below Normal (17%)	342	330	353	439	519	621	780	886	756	505	418	403
Dry (22%)	330	322	357	376	456	572	673	693	566	369	310	289
Critical (15%)	247	215	212	219	253	329	350	341	299	169	154	142

Alternative 7 (LLT) minus Existing Condition

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-111	-76	0	0	0	-2	0	0	0	-184	-130	-99
20%	-163	-135	-17	-4	-2	0	0	0	-80	-201	-213	-143
30%	-221	-168	-72	-8	0	2	0	0	-134	-212	-259	-201
40%	-221	-195	-111	-19	4	7	0	-20	-204	-234	-270	-235
50%	-233	-198	-121	-87	-10	0	0	-66	-249	-267	-238	-223
60%	-161	-140	-120	-85	-70	-5	-4	-112	-214	-241	-190	-179
70%	-113	-119	-102	-76	-57	-21	-57	-103	-143	-190	-149	-139
80%	-159	-186	-112	-113	-67	-66	-81	-176	-184	-156	-121	-153
90%	-211	-182	-118	-114	-95	-89	-102	-109	-148	-219	-229	-217
Long Term												
Full Simulation Period[a]	-158	-133	-84	-53	-32	-22	-28	-64	-139	-202	-183	-157
Water Year Types[b]												
Wet (32%)	-153	-113	-22	-8	3	2	-5	-27	-106	-204	-179	-151
Above Normal (15%)	-128	-111	-77	-28	-11	6	-1	-50	-168	-235	-233	-199
Below Normal (17%)	-169	-161	-124	-76	-24	-18	-10	-47	-157	-205	-225	-186
Dry (22%)	-166	-139	-112	-84	-66	-46	-57	-113	-175	-203	-167	-153
Critical (15%)	-177	-155	-137	-105	-87	-73	-83	-107	-106	-160	-117	-98

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-4-12. Folsom Lake, End of Month Storage

Existing Condition

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	652	575	575	575	575	672	800	975	975	950	800	650
20%	642	575	575	575	573	667	800	975	975	891	800	650
30%	632	575	571	570	563	659	800	975	975	807	767	650
40%	603	568	546	560	553	645	800	975	975	781	725	650
50%	583	544	516	521	536	634	800	975	975	751	659	613
60%	480	459	476	481	506	622	800	929	874	667	577	532
70%	411	420	404	431	467	601	755	824	743	554	476	452
80%	361	374	359	385	427	563	682	734	640	469	391	381
90%	301	297	285	318	359	465	498	519	499	376	326	310
Long Term												
Full Simulation Period[a]	505	467	468	479	494	598	727	850	823	684	600	525
Water Year Types[b]												
Wet (32%)	559	520	527	523	502	633	794	966	966	876	770	636
Above Normal (15%)	474	432	445	526	531	642	796	968	952	760	697	623
Below Normal (17%)	511	491	478	515	543	639	790	934	913	710	643	589
Dry (22%)	496	461	469	460	522	618	731	806	741	572	477	441
Critical (15%)	423	370	349	324	340	401	433	448	405	329	270	240

Alternative 8 (LLT)

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	597	572	575	575	575	670	800	975	975	758	708	619
20%	497	492	571	571	574	667	800	974	866	731	670	568
30%	464	448	515	558	563	658	800	900	804	695	630	497
40%	383	375	463	514	556	649	782	850	731	601	527	419
50%	345	339	397	459	514	632	761	808	699	560	423	373
60%	309	319	351	416	449	608	732	731	658	392	356	345
70%	268	281	302	344	421	575	688	700	592	314	289	266
80%	131	175	247	290	351	531	581	538	328	277	245	214
90%	90	90	163	230	268	392	425	300	293	178	90	90
Long Term												
Full Simulation Period[a]	348	345	388	424	459	579	681	728	636	501	434	373
Water Year Types[b]												
Wet (32%)	421	423	505	514	505	636	785	923	865	729	656	522
Above Normal (15%)	318	311	358	461	480	633	783	904	785	634	565	477
Below Normal (17%)	352	357	376	450	525	627	754	782	686	509	410	396
Dry (22%)	337	330	364	384	461	586	644	599	460	310	256	245
Critical (15%)	233	214	215	224	261	336	324	262	199	152	117	114

Alternative 8 (LLT) minus Existing Condition

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-54	-3	0	0	0	-2	0	0	0	-192	-92	-31
20%	-145	-83	-4	-4	1	0	0	-1	-109	-159	-130	-82
30%	-168	-127	-56	-12	0	-1	0	-75	-171	-112	-137	-153
40%	-221	-193	-83	-46	2	4	-18	-125	-244	-180	-198	-231
50%	-238	-204	-120	-62	-22	-3	-39	-167	-276	-191	-236	-240
60%	-172	-140	-125	-65	-58	-14	-68	-198	-216	-276	-221	-187
70%	-143	-139	-102	-87	-46	-26	-67	-124	-151	-240	-187	-186
80%	-230	-199	-112	-95	-76	-32	-102	-196	-311	-192	-145	-167
90%	-211	-207	-123	-88	-91	-73	-73	-219	-206	-197	-236	-220
Long Term												
Full Simulation Period[a]	-156	-123	-80	-55	-34	-19	-46	-122	-187	-183	-166	-152
Water Year Types[b]												
Wet (32%)	-138	-96	-22	-8	3	4	-9	-44	-101	-148	-114	-114
Above Normal (15%)	-156	-121	-87	-65	-51	-9	-12	-64	-167	-126	-132	-145
Below Normal (17%)	-159	-134	-102	-65	-18	-13	-35	-151	-227	-202	-233	-193
Dry (22%)	-159	-131	-105	-76	-61	-32	-87	-207	-281	-262	-221	-196
Critical (15%)	-190	-156	-134	-100	-79	-65	-109	-186	-206	-176	-153	-125

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-4-13. Folsom Lake, End of Month Storage

Existing Condition

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	652	575	575	575	575	672	800	975	975	950	800	650
20%	642	575	575	575	573	667	800	975	975	891	800	650
30%	632	575	571	570	563	659	800	975	975	807	767	650
40%	603	568	546	560	553	645	800	975	975	781	725	650
50%	583	544	516	521	536	634	800	975	975	751	659	613
60%	480	459	476	481	506	622	800	929	874	667	577	532
70%	411	420	404	431	467	601	755	824	743	554	476	452
80%	361	374	359	385	427	563	682	734	640	469	391	381
90%	301	297	285	318	359	465	498	519	499	376	326	310
Long Term												
Full Simulation Period[a]	505	467	468	479	494	598	727	850	823	684	600	525
Water Year Types[b]												
Wet (32%)	559	520	527	523	502	633	794	966	966	876	770	636
Above Normal (15%)	474	432	445	526	531	642	796	968	952	760	697	623
Below Normal (17%)	511	491	478	515	543	639	790	934	913	710	643	589
Dry (22%)	496	461	469	460	522	618	731	806	741	572	477	441
Critical (15%)	423	370	349	324	340	401	433	448	405	329	270	240

Alternative 9 (LLT)

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	554	468	575	575	575	672	800	975	975	788	685	593
20%	478	427	539	572	572	667	800	975	959	716	638	505
30%	429	406	491	561	563	662	800	975	885	650	564	470
40%	397	390	430	532	555	653	800	956	808	601	499	435
50%	375	361	397	448	525	634	800	899	737	532	444	407
60%	338	345	351	406	462	617	771	793	649	450	401	383
70%	301	320	305	349	412	589	699	667	573	374	345	322
80%	273	265	276	301	361	511	553	560	449	334	303	285
90%	100	114	202	244	316	411	424	428	380	225	137	96
Long Term												
Full Simulation Period[a]	368	348	394	435	470	582	696	778	695	519	452	390
Water Year Types[b]												
Wet (32%)	417	406	506	515	505	635	789	941	890	705	624	489
Above Normal (15%)	338	316	363	494	515	648	795	927	819	567	504	448
Below Normal (17%)	366	351	368	449	532	633	779	870	766	567	477	438
Dry (22%)	361	342	369	389	466	579	653	652	527	388	338	322
Critical (15%)	302	258	248	252	281	347	364	356	319	208	169	161

Alternative 9 (LLT) minus Existing Condition

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-97	-107	0	0	0	0	0	0	0	-162	-115	-57
20%	-164	-148	-36	-3	-1	0	0	0	-16	-174	-162	-145
30%	-203	-169	-79	-9	0	3	0	0	-90	-157	-204	-180
40%	-207	-178	-116	-28	1	8	0	-19	-167	-179	-226	-215
50%	-208	-182	-120	-73	-11	0	0	-76	-238	-219	-215	-206
60%	-142	-114	-125	-75	-44	-5	-29	-136	-225	-217	-176	-150
70%	-110	-100	-99	-82	-54	-12	-56	-157	-170	-180	-131	-130
80%	-89	-108	-83	-83	-65	-52	-130	-173	-191	-135	-87	-96
90%	-201	-183	-84	-74	-44	-54	-74	-91	-119	-150	-189	-214
Long Term												
Full Simulation Period[a]	-137	-119	-74	-45	-24	-16	-31	-72	-128	-165	-148	-135
Water Year Types[b]												
Wet (32%)	-141	-114	-21	-8	3	2	-5	-26	-76	-172	-146	-147
Above Normal (15%)	-136	-117	-82	-32	-15	6	0	-41	-133	-193	-194	-175
Below Normal (17%)	-145	-139	-110	-66	-11	-6	-10	-63	-147	-143	-165	-150
Dry (22%)	-135	-118	-99	-71	-56	-39	-78	-154	-214	-184	-139	-120
Critical (15%)	-122	-112	-101	-72	-59	-54	-69	-93	-86	-121	-101	-79

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-4-14. Folsom Lake, End of Month Storage

No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	548	494	575	575	575	672	800	975	975	798	718	575
20%	473	424	546	572	570	667	800	975	961	716	620	526
30%	415	399	492	561	562	660	800	975	878	618	547	469
40%	380	376	429	529	555	649	800	970	822	581	491	419
50%	348	351	389	457	518	629	800	917	770	527	428	385
60%	319	330	346	412	474	611	797	835	692	443	396	353
70%	292	299	306	347	417	570	686	706	601	372	332	317
80%	243	259	255	313	360	502	605	585	443	322	285	259
90%	92	115	212	233	330	402	431	463	410	180	90	91
Long Term												
Full Simulation Period[a]	354	341	388	431	469	580	697	791	712	509	439	379
Water Year Types[b]												
Wet (32%)	400	401	500	515	505	635	789	943	902	705	623	485
Above Normal (15%)	341	311	358	489	516	648	795	930	825	547	483	430
Below Normal (17%)	352	338	354	438	522	624	776	891	788	543	451	423
Dry (22%)	339	336	371	386	471	579	665	691	560	376	319	306
Critical (15%)	291	253	245	249	278	345	359	360	324	210	165	159

Alternative 1A,1B,1C (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	617	570	575	575	575	670	800	975	938	748	658	613
20%	474	495	568	572	568	667	800	975	867	659	569	556
30%	434	414	502	563	561	658	800	961	807	576	519	502
40%	374	391	455	538	549	647	800	919	748	539	475	464
50%	337	346	382	458	515	632	798	865	661	500	452	434
60%	302	307	345	406	457	616	748	763	603	414	375	361
70%	271	280	286	366	405	570	685	656	551	340	312	310
80%	228	226	242	291	357	517	566	545	426	312	264	259
90%	115	133	193	184	301	398	425	397	353	197	126	130
Long Term												
Full Simulation Period[a]	354	346	387	429	461	577	689	764	650	477	420	400
Water Year Types[b]												
Wet (32%)	415	417	500	516	505	635	788	934	841	664	579	543
Above Normal (15%)	332	327	373	505	521	648	793	901	746	510	454	435
Below Normal (17%)	374	364	370	450	522	630	770	851	696	493	443	428
Dry (22%)	318	316	351	366	446	566	644	643	514	370	328	316
Critical (15%)	276	238	230	233	260	330	342	342	292	186	152	147

Alternative 1A,1B,1C (LLT) minus No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	69	76	0	0	0	-2	0	0	-37	-49	-60	38
20%	1	71	22	0	-2	0	0	0	-94	-57	-51	30
30%	19	15	10	2	-1	-2	0	-14	-71	-42	-28	34
40%	-6	15	25	8	-6	-2	0	-51	-73	-43	-16	44
50%	-12	-5	-7	0	-4	3	-2	-52	-109	-27	24	48
60%	-16	-23	-1	-6	-17	4	-49	-72	-89	-29	-20	8
70%	-21	-19	-19	19	-11	0	-1	-50	-50	-32	-20	-6
80%	-15	-33	-13	-22	-3	15	-38	-40	-16	-9	-21	0
90%	22	18	-19	-49	-29	-4	-6	-67	-58	16	36	38
Long Term												
Full Simulation Period[a]	0	5	-1	-2	-7	-4	-9	-27	-62	-32	-19	21
Water Year Types[b]												
Wet (32%)	15	16	0	1	0	0	-1	-9	-61	-41	-43	58
Above Normal (15%)	-9	16	16	17	5	0	-3	-29	-79	-37	-28	4
Below Normal (17%)	23	27	17	12	0	6	-5	-39	-92	-51	-8	6
Dry (22%)	-22	-20	-20	-20	-25	-13	-20	-48	-46	-6	9	10
Critical (15%)	-15	-16	-15	-15	-18	-14	-17	-18	-32	-24	-13	-12

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-4-15. Folsom Lake, End of Month Storage

No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	548	494	575	575	575	672	800	975	975	798	718	575
20%	473	424	546	572	570	667	800	975	961	716	620	526
30%	415	399	492	561	562	660	800	975	878	618	547	469
40%	380	376	429	529	555	649	800	970	822	581	491	419
50%	348	351	389	457	518	629	800	917	770	527	428	385
60%	319	330	346	412	474	611	797	835	692	443	396	353
70%	292	299	306	347	417	570	686	706	601	372	332	317
80%	243	259	255	313	360	502	605	585	443	322	285	259
90%	92	115	212	233	330	402	431	463	410	180	90	91
Long Term												
Full Simulation Period[a]	354	341	388	431	469	580	697	791	712	509	439	379
Water Year Types[b]												
Wet (32%)	400	401	500	515	505	635	789	943	902	705	623	485
Above Normal (15%)	341	311	358	489	516	648	795	930	825	547	483	430
Below Normal (17%)	352	338	354	438	522	624	776	891	788	543	451	423
Dry (22%)	339	336	371	386	471	579	665	691	560	376	319	306
Critical (15%)	291	253	245	249	278	345	359	360	324	210	165	159

Alternative 2A,2B,2C (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	558	496	575	575	575	672	800	975	975	764	670	569
20%	459	434	556	571	571	667	800	975	889	671	572	508
30%	417	400	500	560	563	660	800	975	828	579	516	467
40%	395	380	432	541	555	649	800	930	755	546	484	452
50%	351	348	390	439	523	632	800	857	681	486	437	392
60%	318	316	341	403	429	613	752	767	607	420	376	351
70%	274	294	291	348	405	561	681	669	556	349	314	311
80%	198	238	253	300	354	497	589	520	410	258	234	214
90%	92	114	187	204	304	400	411	417	325	149	91	90
Long Term												
Full Simulation Period[a]	346	337	383	426	461	575	692	769	658	472	415	371
Water Year Types[b]												
Wet (32%)	387	394	498	515	505	635	789	936	846	667	583	483
Above Normal (15%)	343	319	367	498	520	648	795	899	758	500	447	406
Below Normal (17%)	355	343	350	437	518	620	770	858	716	492	433	418
Dry (22%)	328	320	355	375	452	568	657	658	518	360	320	306
Critical (15%)	278	249	231	228	256	327	343	343	293	168	142	136

Alternative 2A,2B,2C (LLT) minus No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9	2	0	0	0	0	0	0	0	-34	-48	-7
20%	-13	10	11	-1	2	0	0	0	-73	-45	-48	-18
30%	2	0	7	-1	0	0	0	0	-49	-39	-31	-2
40%	15	4	3	12	0	0	0	-40	-67	-35	-7	32
50%	3	-2	1	-19	5	3	0	-59	-89	-40	10	6
60%	0	-14	-4	-9	-45	2	-45	-68	-86	-23	-20	-3
70%	-18	-4	-15	1	-11	-9	-5	-37	-45	-23	-18	-6
80%	-45	-21	-2	-14	-6	-5	-16	-66	-33	-63	-51	-44
90%	0	-1	-26	-29	-26	-1	-20	-46	-85	-31	1	-1
Long Term												
Full Simulation Period[a]	-8	-4	-5	-5	-7	-6	-5	-22	-54	-37	-24	-8
Water Year Types[b]												
Wet (32%)	-14	-7	-2	0	0	0	0	-7	-56	-38	-40	-1
Above Normal (15%)	2	8	9	9	4	0	0	-30	-68	-46	-35	-24
Below Normal (17%)	4	5	-4	-2	-4	-4	-5	-33	-72	-51	-18	-5
Dry (22%)	-11	-16	-16	-11	-19	-11	-8	-33	-42	-16	1	0
Critical (15%)	-12	-4	-14	-21	-22	-18	-16	-17	-31	-42	-24	-23

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-4-16. Folsom Lake, End of Month Storage

No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	548	494	575	575	575	672	800	975	975	798	718	575
20%	473	424	546	572	570	667	800	975	961	716	620	526
30%	415	399	492	561	562	660	800	975	878	618	547	469
40%	380	376	429	529	555	649	800	970	822	581	491	419
50%	348	351	389	457	518	629	800	917	770	527	428	385
60%	319	330	346	412	474	611	797	835	692	443	396	353
70%	292	299	306	347	417	570	686	706	601	372	332	317
80%	243	259	255	313	360	502	605	585	443	322	285	259
90%	92	115	212	233	330	402	431	463	410	180	90	91
Long Term												
Full Simulation Period[a]	354	341	388	431	469	580	697	791	712	509	439	379
Water Year Types[b]												
Wet (32%)	400	401	500	515	505	635	789	943	902	705	623	485
Above Normal (15%)	341	311	358	489	516	648	795	930	825	547	483	430
Below Normal (17%)	352	338	354	438	522	624	776	891	788	543	451	423
Dry (22%)	339	336	371	386	471	579	665	691	560	376	319	306
Critical (15%)	291	253	245	249	278	345	359	360	324	210	165	159

Alternative 3 (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	617	575	575	575	575	670	800	975	953	765	666	621
20%	480	501	568	571	566	667	800	975	870	670	576	557
30%	424	417	510	560	562	659	800	968	815	566	515	496
40%	379	385	453	521	556	647	800	919	747	531	476	458
50%	343	339	395	463	523	630	799	867	673	499	441	423
60%	308	322	345	394	460	615	760	761	602	412	378	363
70%	288	284	287	367	409	588	678	664	523	352	315	316
80%	249	240	250	278	362	511	585	558	440	288	265	258
90%	90	107	186	192	294	410	415	390	362	171	115	90
Long Term												
Full Simulation Period[a]	356	347	387	426	464	578	691	766	655	475	418	397
Water Year Types[b]												
Wet (32%)	412	414	496	515	505	635	788	934	846	666	582	544
Above Normal (15%)	335	328	374	505	522	648	793	903	751	509	454	433
Below Normal (17%)	370	360	363	431	528	629	775	852	697	488	439	424
Dry (22%)	325	321	355	370	454	572	650	647	516	358	321	310
Critical (15%)	287	245	237	232	260	330	345	344	303	185	151	144

Alternative 3 (LLT) minus No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	69	81	0	0	0	-2	0	0	-22	-33	-52	45
20%	7	77	22	-1	-4	0	0	0	-91	-46	-44	31
30%	9	17	17	-2	0	-1	0	-7	-63	-52	-33	28
40%	-1	9	24	-8	1	-2	0	-51	-75	-50	-16	38
50%	-5	-12	6	6	5	1	-1	-50	-97	-28	13	38
60%	-11	-8	-1	-17	-14	4	-36	-75	-91	-30	-18	10
70%	-4	-14	-19	20	-7	18	-8	-42	-78	-21	-17	0
80%	6	-19	-5	-35	2	9	-20	-27	-2	-33	-20	0
90%	-2	-8	-26	-41	-36	8	-15	-73	-48	-9	25	-1
Long Term												
Full Simulation Period[a]	2	6	-2	-5	-5	-3	-6	-26	-57	-35	-21	18
Water Year Types[b]												
Wet (32%)	11	13	-3	0	0	0	-1	-10	-56	-38	-41	59
Above Normal (15%)	-6	17	16	16	6	0	-2	-27	-74	-38	-29	3
Below Normal (17%)	18	22	9	-7	6	5	0	-39	-92	-55	-12	2
Dry (22%)	-15	-14	-16	-17	-17	-7	-15	-44	-45	-18	2	4
Critical (15%)	-4	-9	-8	-17	-18	-14	-14	-15	-21	-25	-14	-15

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-4-17. Folsom Lake, End of Month Storage

No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	548	494	575	575	575	672	800	975	975	798	718	575
20%	473	424	546	572	570	667	800	975	961	716	620	526
30%	415	399	492	561	562	660	800	975	878	618	547	469
40%	380	376	429	529	555	649	800	970	822	581	491	419
50%	348	351	389	457	518	629	800	917	770	527	428	385
60%	319	330	346	412	474	611	797	835	692	443	396	353
70%	292	299	306	347	417	570	686	706	601	372	332	317
80%	243	259	255	313	360	502	605	585	443	322	285	259
90%	92	115	212	233	330	402	431	463	410	180	90	91
Long Term												
Full Simulation Period[a]	354	341	388	431	469	580	697	791	712	509	439	379
Water Year Types[b]												
Wet (32%)	400	401	500	515	505	635	789	943	902	705	623	485
Above Normal (15%)	341	311	358	489	516	648	795	930	825	547	483	430
Below Normal (17%)	352	338	354	438	522	624	776	891	788	543	451	423
Dry (22%)	339	336	371	386	471	579	665	691	560	376	319	306
Critical (15%)	291	253	245	249	278	345	359	360	324	210	165	159

Alternative 4 H1 (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	600	559	575	575	575	670	800	975	975	744	674	624
20%	522	517	568	574	571	667	800	975	885	657	567	554
30%	449	446	510	565	563	660	800	975	837	583	529	506
40%	398	401	476	541	556	649	800	937	752	549	478	463
50%	349	364	418	463	524	634	800	883	694	472	430	421
60%	320	319	354	425	445	617	766	780	614	410	378	360
70%	289	302	307	382	421	577	687	679	526	359	321	317
80%	249	264	268	313	375	505	596	575	421	301	276	261
90%	99	112	195	215	306	423	434	439	367	165	91	101
Long Term												
Full Simulation Period[a]	367	361	398	437	471	583	698	780	662	476	417	394
Water Year Types[b]												
Wet (32%)	421	429	510	519	505	636	789	939	851	663	581	541
Above Normal (15%)	353	339	385	507	525	648	794	913	774	510	445	424
Below Normal (17%)	377	369	368	450	530	629	778	864	692	476	416	401
Dry (22%)	329	330	360	383	464	579	663	672	531	367	325	311
Critical (15%)	308	272	259	259	284	354	366	364	297	204	175	163

Alternative 4 H1 (LLT) minus No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	52	65	0	0	0	-2	0	0	0	-54	-44	49
20%	50	93	22	3	2	0	0	0	-76	-59	-54	28
30%	35	46	18	4	1	0	0	0	-40	-35	-18	38
40%	18	25	46	12	1	0	0	-32	-70	-33	-14	44
50%	1	13	29	6	6	6	0	-34	-75	-55	3	36
60%	1	-11	8	13	-28	6	-30	-55	-78	-33	-17	6
70%	-3	3	1	35	5	8	1	-27	-75	-13	-11	0
80%	7	5	13	0	15	3	-9	-11	-21	-21	-9	2
90%	7	-3	-17	-18	-24	22	4	-24	-44	-15	0	10
Long Term												
Full Simulation Period[a]	13	20	9	7	2	3	1	-12	-50	-33	-22	15
Water Year Types[b]												
Wet (32%)	20	28	10	4	0	0	0	-4	-51	-42	-42	56
Above Normal (15%)	12	28	27	18	8	0	-2	-16	-51	-36	-38	-6
Below Normal (17%)	25	31	14	12	8	5	3	-27	-96	-68	-35	-21
Dry (22%)	-10	-6	-10	-4	-6	0	-2	-19	-29	-9	6	5
Critical (15%)	17	18	14	11	6	10	7	5	-27	-6	10	4

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-4-18. Folsom Lake, End of Month Storage

No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	548	494	575	575	575	672	800	975	975	798	718	575
20%	473	424	546	572	570	667	800	975	961	716	620	526
30%	415	399	492	561	562	660	800	975	878	618	547	469
40%	380	376	429	529	555	649	800	970	822	581	491	419
50%	348	351	389	457	518	629	800	917	770	527	428	385
60%	319	330	346	412	474	611	797	835	692	443	396	353
70%	292	299	306	347	417	570	686	706	601	372	332	317
80%	243	259	255	313	360	502	605	585	443	322	285	259
90%	92	115	212	233	330	402	431	463	410	180	90	91
Long Term												
Full Simulation Period[a]	354	341	388	431	469	580	697	791	712	509	439	379
Water Year Types[b]												
Wet (32%)	400	401	500	515	505	635	789	943	902	705	623	485
Above Normal (15%)	341	311	358	489	516	648	795	930	825	547	483	430
Below Normal (17%)	352	338	354	438	522	624	776	891	788	543	451	423
Dry (22%)	339	336	371	386	471	579	665	691	560	376	319	306
Critical (15%)	291	253	245	249	278	345	359	360	324	210	165	159

Alternative 4 H2 (LLT)

	End of Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	600	559	575	575	575	672	800	975	975	780	668	639
20%	538	518	574	572	575	667	800	975	971	696	600	581
30%	502	489	520	561	563	662	800	975	871	649	546	530
40%	428	417	488	541	559	655	800	969	808	592	520	497
50%	394	390	437	488	535	636	800	913	736	528	460	433
60%	345	338	385	446	470	621	796	783	704	472	412	383
70%	314	325	308	390	428	591	691	736	604	401	369	348
80%	285	289	271	319	392	526	636	592	473	359	315	298
90%	114	113	231	254	327	445	452	455	414	220	158	139
Long Term												
Full Simulation Period[a]	394	380	411	447	478	589	705	795	712	518	449	422
Water Year Types[b]												
Wet (32%)	448	442	508	519	505	635	789	943	889	700	611	568
Above Normal (15%)	370	350	392	507	524	648	795	921	830	569	498	479
Below Normal (17%)	404	393	392	468	537	636	786	899	793	558	477	454
Dry (22%)	368	363	390	404	481	591	677	694	569	393	345	326
Critical (15%)	327	290	275	273	299	369	383	382	328	210	170	157

Alternative 4 H2 (LLT) minus No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	52	65	0	0	0	0	0	0	0	**-18**	**-50**	64
20%	66	95	29	0	5	0	0	0	9	**-20**	**-20**	56
30%	88	90	27	0	1	2	0	0	**-6**	32	**-2**	61
40%	48	41	59	11	4	6	0	**-1**	**-13**	10	29	78
50%	46	39	48	31	17	7	0	**-4**	**-34**	1	32	48
60%	26	9	39	34	**-4**	10	**-1**	**-52**	12	29	16	30
70%	22	26	2	43	11	21	5	30	3	28	37	31
80%	42	30	16	6	32	24	31	7	30	37	30	39
90%	22	**-1**	18	21	**-3**	44	21	**-8**	3	40	68	48
Long Term												
Full Simulation Period[a]	40	39	23	16	9	8	8	4	**0**	8	9	43
Water Year Types[b]												
Wet (32%)	48	41	9	4	0	**0**	0	**-1**	**-13**	**-4**	**-11**	83
Above Normal (15%)	29	39	34	18	8	**0**	**0**	**-9**	5	23	15	48
Below Normal (17%)	52	55	39	30	15	12	11	9	5	15	26	32
Dry (22%)	29	27	20	17	11	12	12	3	9	16	25	20
Critical (15%)	36	37	30	24	20	25	24	22	3	0	5	**-2**

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-4-19. Folsom Lake, End of Month Storage

No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	548	494	575	575	575	672	800	975	975	798	718	575
20%	473	424	546	572	570	667	800	975	961	716	620	526
30%	415	399	492	561	562	660	800	975	878	618	547	469
40%	380	376	429	529	555	649	800	970	822	581	491	419
50%	348	351	389	457	518	629	800	917	770	527	428	385
60%	319	330	346	412	474	611	797	835	692	443	396	353
70%	292	299	306	347	417	570	686	706	601	372	332	317
80%	243	259	255	313	360	502	605	585	443	322	285	259
90%	92	115	212	233	330	402	431	463	410	180	90	91
Long Term												
Full Simulation Period[a]	354	341	388	431	469	580	697	791	712	509	439	379
Water Year Types[b]												
Wet (32%)	400	401	500	515	505	635	789	943	902	705	623	485
Above Normal (15%)	341	311	358	489	516	648	795	930	825	547	483	430
Below Normal (17%)	352	338	354	438	522	624	776	891	788	543	451	423
Dry (22%)	339	336	371	386	471	579	665	691	560	376	319	306
Critical (15%)	291	253	245	249	278	345	359	360	324	210	165	159

Alternative 4 H3 (LLT)

	End of Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	555	512	575	575	575	670	800	975	975	764	677	558
20%	444	431	549	573	574	667	800	975	886	678	584	503
30%	422	400	500	563	563	659	800	975	839	581	520	464
40%	377	380	430	541	556	649	800	937	753	542	474	447
50%	345	345	382	437	523	632	800	873	691	476	437	389
60%	323	313	341	395	430	617	769	781	640	411	379	349
70%	287	297	302	359	404	561	681	677	557	361	319	313
80%	220	243	257	298	362	509	588	561	412	329	275	236
90%	90	100	188	206	283	383	401	411	331	157	90	90
Long Term												
Full Simulation Period[a]	345	337	385	428	463	577	693	774	666	475	417	371
Water Year Types[b]												
Wet (32%)	390	396	500	515	505	635	789	938	856	669	587	485
Above Normal (15%)	335	313	361	495	518	648	795	913	775	508	443	405
Below Normal (17%)	345	339	351	438	523	622	775	864	724	488	431	417
Dry (22%)	330	322	357	378	455	571	657	662	519	358	318	302
Critical (15%)	281	251	239	233	262	332	346	346	299	182	152	143

Alternative 4 H3 (LLT) minus No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	7	18	0	0	0	**-2**	0	0	0	**-34**	**-41**	**-17**
20%	**-28**	7	3	1	4	**0**	0	0	**-75**	**-38**	**-37**	**-23**
30%	7	1	8	2	1	**-1**	0	0	**-39**	**-37**	**-27**	**-4**
40%	**-3**	4	1	12	1	**0**	0	**-33**	**-69**	**-39**	**-17**	28
50%	**-4**	**-6**	**-7**	**-20**	5	3	0	**-44**	**-78**	**-51**	9	3
60%	5	**-17**	**-5**	**-17**	**-44**	5	**-27**	**-54**	**-52**	**-32**	**-17**	**-4**
70%	**-5**	**-2**	**-4**	13	**-12**	**-9**	**-5**	**-29**	**-44**	**-12**	**-13**	**-4**
80%	**-23**	**-15**	2	**-15**	2	7	**-17**	**-24**	**-30**	7	**-10**	**-23**
90%	**-2**	**-15**	**-25**	**-27**	**-47**	**-19**	**-29**	**-53**	**-80**	**-23**	**0**	**-1**
Long Term												
Full Simulation Period[a]	**-9**	**-4**	**-4**	**-3**	**-5**	**-4**	**-4**	**-17**	**-46**	**-35**	**-22**	**-8**
Water Year Types[b]												
Wet (32%)	**-11**	**-5**	0	0	**0**	0	**0**	**-5**	**-46**	**-36**	**-35**	**0**
Above Normal (15%)	**-6**	2	3	6	1	**0**	**0**	**-16**	**-50**	**-38**	**-39**	**-25**
Below Normal (17%)	**-7**	1	**-3**	**0**	1	**-2**	**-1**	**-26**	**-64**	**-55**	**-20**	**-6**
Dry (22%)	**-10**	**-14**	**-13**	**-8**	**-15**	**-8**	**-8**	**-29**	**-42**	**-18**	**-1**	**-4**
Critical (15%)	**-10**	**-2**	**-6**	**-15**	**-16**	**-12**	**-13**	**-14**	**-26**	**-28**	**-13**	**-16**

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-4-20. Folsom Lake, End of Month Storage

No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	548	494	575	575	575	672	800	975	975	798	718	575
20%	473	424	546	572	570	667	800	975	961	716	620	526
30%	415	399	492	561	562	660	800	975	878	618	547	469
40%	380	376	429	529	555	649	800	970	822	581	491	419
50%	348	351	389	457	518	629	800	917	770	527	428	385
60%	319	330	346	412	474	611	797	835	692	443	396	353
70%	292	299	306	347	417	570	686	706	601	372	332	317
80%	243	259	255	313	360	502	605	585	443	322	285	259
90%	92	115	212	233	330	402	431	463	410	180	90	91
Long Term												
Full Simulation Period[a]	354	341	388	431	469	580	697	791	712	509	439	379
Water Year Types[b]												
Wet (32%)	400	401	500	515	505	635	789	943	902	705	623	485
Above Normal (15%)	341	311	358	489	516	648	795	930	825	547	483	430
Below Normal (17%)	352	338	354	438	522	624	776	891	788	543	451	423
Dry (22%)	339	336	371	386	471	579	665	691	560	376	319	306
Critical (15%)	291	253	245	249	278	345	359	360	324	210	165	159

Alternative 4 H4 (LLT)

	End of Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	575	517	575	575	575	672	800	975	975	787	683	574
20%	474	447	564	572	574	667	800	975	971	702	604	514
30%	431	404	502	561	563	662	800	975	877	650	546	472
40%	386	381	446	541	556	652	800	973	824	593	512	423
50%	366	364	389	449	523	634	800	914	742	540	459	396
60%	322	333	349	414	456	618	787	788	692	454	387	356
70%	310	303	297	361	411	578	691	716	607	376	335	331
80%	246	268	266	317	381	519	608	575	470	336	309	235
90%	128	129	221	253	344	411	419	444	380	216	128	136
Long Term												
Full Simulation Period[a]	360	351	394	436	471	584	701	792	706	515	441	380
Water Year Types[b]												
Wet (32%)	402	406	497	515	505	635	789	942	889	695	606	468
Above Normal (15%)	331	313	363	490	514	648	795	924	829	568	488	436
Below Normal (17%)	362	355	366	449	527	629	780	896	790	559	474	450
Dry (22%)	352	342	374	392	472	584	673	688	560	393	337	314
Critical (15%)	305	275	262	261	286	356	370	369	307	205	157	148

Alternative 4 H4 (LLT) minus No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	27	23	0	0	0	0	0	0	0	**-11**	**-35**	**-1**
20%	1	23	18	0	4	0	0	0	9	**-14**	**-16**	**-12**
30%	17	4	10	0	0	2	0	0	**-1**	32	**-1**	4
40%	6	5	17	11	1	3	0	3	2	11	21	4
50%	18	13	**-1**	**-8**	5	6	0	**-3**	**-27**	13	31	11
60%	3	4	3	2	**-18**	7	**-10**	**-47**	**-1**	11	**-8**	2
70%	18	5	**-9**	15	**-6**	8	5	10	6	4	3	15
80%	4	9	11	3	21	17	4	**-11**	28	14	24	**-23**
90%	36	14	9	20	14	9	**-12**	**-19**	**-30**	36	37	44
Long Term												
Full Simulation Period[a]	6	10	5	5	2	4	4	1	**-6**	6	2	1
Water Year Types[b]												
Wet (32%)	1	6	**-3**	0	**0**	0	**0**	**-1**	**-13**	**-9**	**-17**	**-16**
Above Normal (15%)	**-10**	3	5	1	**-2**	**0**	**0**	**-6**	3	21	5	6
Below Normal (17%)	10	17	13	11	5	5	4	5	1	16	22	28
Dry (22%)	13	6	4	6	1	5	8	**-3**	**0**	17	17	8
Critical (15%)	15	22	17	13	7	11	10	10	**-17**	**-5**	**-8**	**-11**

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-4-21. Folsom Lake, End of Month Storage

No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	548	494	575	575	575	672	800	975	975	798	718	575
20%	473	424	546	572	570	667	800	975	961	716	620	526
30%	415	399	492	561	562	660	800	975	878	618	547	469
40%	380	376	429	529	555	649	800	970	822	581	491	419
50%	348	351	389	457	518	629	800	917	770	527	428	385
60%	319	330	346	412	474	611	797	835	692	443	396	353
70%	292	299	306	347	417	570	686	706	601	372	332	317
80%	243	259	255	313	360	502	605	585	443	322	285	259
90%	92	115	212	233	330	402	431	463	410	180	90	91
Long Term												
Full Simulation Period[a]	354	341	388	431	469	580	697	791	712	509	439	379
Water Year Types[b]												
Wet (32%)	400	401	500	515	505	635	789	943	902	705	623	485
Above Normal (15%)	341	311	358	489	516	648	795	930	825	547	483	430
Below Normal (17%)	352	338	354	438	522	624	776	891	788	543	451	423
Dry (22%)	339	336	371	386	471	579	665	691	560	376	319	306
Critical (15%)	291	253	245	249	278	345	359	360	324	210	165	159

Alternative 5 (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	540	487	575	575	575	672	800	975	975	783	686	548
20%	454	432	543	571	566	667	800	975	892	671	594	486
30%	416	401	492	558	561	660	800	975	847	584	508	463
40%	361	379	442	539	548	648	800	935	760	542	476	440
50%	339	342	388	440	523	632	800	896	724	495	434	387
60%	295	311	351	402	445	608	770	783	660	417	379	342
70%	266	292	304	363	406	560	684	673	569	349	304	289
80%	247	249	256	303	360	505	595	557	424	308	260	242
90%	90	99	190	237	310	397	418	428	362	140	90	90
Long Term												
Full Simulation Period[a]	341	333	385	429	465	578	694	779	674	472	417	363
Water Year Types[b]												
Wet (32%)	386	393	501	515	505	635	789	940	868	669	593	472
Above Normal (15%)	323	307	357	494	517	648	795	919	795	546	479	419
Below Normal (17%)	324	319	339	429	519	622	775	871	738	499	433	418
Dry (22%)	336	328	362	385	459	570	652	662	518	329	294	282
Critical (15%)	286	252	246	244	275	344	356	355	294	157	137	128

Alternative 5 (LLT) minus No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-9	-6	0	0	0	0	0	0	0	-15	-32	-27
20%	-18	8	-3	-1	-3	0	0	0	-70	-45	-26	-40
30%	1	1	0	-3	-1	0	0	0	-31	-33	-39	-5
40%	-19	3	13	9	-7	-1	0	-34	-62	-39	-16	21
50%	-9	-8	-1	-17	5	3	0	-21	-46	-32	6	2
60%	-24	-19	5	-10	-29	-3	-27	-52	-33	-26	-17	-12
70%	-26	-7	-2	17	-10	-9	-2	-33	-32	-23	-28	-27
80%	4	-9	1	-10	0	3	-10	-28	-19	-13	-25	-16
90%	-2	-15	-22	5	-21	-5	-13	-35	-48	-40	0	-1
Long Term												
Full Simulation Period[a]	-13	-8	-4	-2	-3	-3	-4	-13	-38	-37	-22	-16
Water Year Types[b]												
Wet (32%)	-14	-8	2	0	0	0	0	-3	-34	-36	-29	-12
Above Normal (15%)	-18	-4	-1	5	1	0	0	-10	-30	0	-4	-11
Below Normal (17%)	-28	-19	-14	-10	-3	-2	-1	-19	-51	-44	-19	-5
Dry (22%)	-3	-7	-8	-1	-11	-9	-13	-28	-42	-47	-25	-24
Critical (15%)	-5	-2	1	-4	-3	-1	-4	-4	-31	-53	-28	-31

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-4-22. Folsom Lake, End of Month Storage

No Action Alternative (LLT)

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	548	494	575	575	575	672	800	975	975	798	718	575
20%	473	424	546	572	570	667	800	975	961	716	620	526
30%	415	399	492	561	562	660	800	975	878	618	547	469
40%	380	376	429	529	555	649	800	970	822	581	491	419
50%	348	351	389	457	518	629	800	917	770	527	428	385
60%	319	330	346	412	474	611	797	835	692	443	396	353
70%	292	299	306	347	417	570	686	706	601	372	332	317
80%	243	259	255	313	360	502	605	585	443	322	285	259
90%	92	115	212	233	330	402	431	463	410	180	90	91
Long Term												
Full Simulation Period[a]	354	341	388	431	469	580	697	791	712	509	439	379
Water Year Types[b]												
Wet (32%)	400	401	500	515	505	635	789	943	902	705	623	485
Above Normal (15%)	341	311	358	489	516	648	795	930	825	547	483	430
Below Normal (17%)	352	338	354	438	522	624	776	891	788	543	451	423
Dry (22%)	339	336	371	386	471	579	665	691	560	376	319	306
Critical (15%)	291	253	245	249	278	345	359	360	324	210	165	159

Alternative 6A,6B,6C (LLT)

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	532	489	575	575	575	670	800	975	975	776	607	570
20%	491	464	568	571	571	667	800	975	919	699	592	519
30%	436	417	506	560	563	660	800	975	871	642	555	493
40%	399	390	455	533	557	652	800	956	800	589	508	456
50%	375	375	392	446	528	634	800	904	751	521	443	416
60%	349	343	362	412	439	621	771	819	683	472	422	394
70%	330	324	310	355	411	574	712	716	635	412	367	352
80%	258	268	269	298	378	473	612	589	486	360	328	309
90%	100	113	195	231	274	410	457	427	370	273	99	101
Long Term												
Full Simulation Period[a]	367	353	394	431	465	578	700	788	706	512	438	399
Water Year Types[b]												
Wet (32%)	429	423	509	515	505	635	788	937	878	673	575	500
Above Normal (15%)	369	342	384	495	518	648	795	921	815	566	499	456
Below Normal (17%)	348	341	357	445	521	622	779	883	787	576	484	457
Dry (22%)	352	344	371	382	463	572	672	693	573	401	346	332
Critical (15%)	277	241	236	242	266	344	364	363	329	198	162	156

Alternative 6A,6B,6C (LLT) minus No Action Alternative (LLT)

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-16	-4	0	0	0	-2	0	0	0	-22	-111	-5
20%	19	40	23	-1	1	0	0	0	-43	-17	-28	-7
30%	21	18	14	-1	0	0	0	0	-6	25	7	24
40%	19	14	25	4	2	3	0	-14	-22	8	17	37
50%	26	25	2	-11	10	6	0	-13	-19	-5	16	30
60%	30	13	16	1	-35	10	-25	-16	-10	30	27	40
70%	38	25	4	8	-5	4	26	10	34	40	35	35
80%	15	10	14	-15	18	-29	7	3	43	38	43	50
90%	7	-2	-18	-1	-56	8	26	-36	-40	93	9	10
Long Term												
Full Simulation Period[a]	13	12	6	0	-3	-2	3	-4	-6	2	-2	20
Water Year Types[b]												
Wet (32%)	28	22	9	0	0	0	-1	-6	-24	-31	-48	16
Above Normal (15%)	28	31	26	6	1	0	-1	-9	-10	19	16	26
Below Normal (17%)	-4	4	3	7	-1	-2	3	-7	-2	33	33	34
Dry (22%)	12	9	0	-5	-7	-7	8	2	13	25	27	26
Critical (15%)	-14	-12	-9	-7	-12	0	5	3	5	-12	-3	-3

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-4-23. Folsom Lake, End of Month Storage

No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	548	494	575	575	575	672	800	975	975	798	718	575
20%	473	424	546	572	570	667	800	975	961	716	620	526
30%	415	399	492	561	562	660	800	975	878	618	547	469
40%	380	376	429	529	555	649	800	970	822	581	491	419
50%	348	351	389	457	518	629	800	917	770	527	428	385
60%	319	330	346	412	474	611	797	835	692	443	396	353
70%	292	299	306	347	417	570	686	706	601	372	332	317
80%	243	259	255	313	360	502	605	585	443	322	285	259
90%	92	115	212	233	330	402	431	463	410	180	90	91
Long Term												
Full Simulation Period[a]	354	341	388	431	469	580	697	791	712	509	439	379
Water Year Types[b]												
Wet (32%)	400	401	500	515	505	635	789	943	902	705	623	485
Above Normal (15%)	341	311	358	489	516	648	795	930	825	547	483	430
Below Normal (17%)	352	338	354	438	522	624	776	891	788	543	451	423
Dry (22%)	339	336	371	386	471	579	665	691	560	376	319	306
Critical (15%)	291	253	245	249	278	345	359	360	324	210	165	159

Alternative 7 (LLT)

	End of Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	541	499	575	575	575	670	800	975	975	766	670	551
20%	479	440	558	571	571	667	800	975	895	689	587	507
30%	411	407	498	562	563	661	800	975	841	594	508	449
40%	383	373	435	541	558	652	800	955	771	546	455	415
50%	350	346	396	434	526	634	800	909	726	485	421	390
60%	319	319	356	396	436	617	796	817	660	427	387	353
70%	298	301	302	356	409	580	698	721	600	364	327	313
80%	203	188	246	272	359	497	602	558	456	314	270	228
90%	90	115	167	204	265	376	396	410	351	157	97	93
Long Term												
Full Simulation Period[a]	346	334	384	426	462	576	699	785	684	482	417	369
Water Year Types[b]												
Wet (32%)	406	407	505	515	505	635	789	939	860	673	591	484
Above Normal (15%)	347	321	368	498	520	648	795	918	784	525	464	424
Below Normal (17%)	342	330	353	439	519	621	780	886	756	505	418	403
Dry (22%)	330	322	357	376	456	572	673	693	566	369	310	289
Critical (15%)	247	215	212	219	253	329	350	341	299	169	154	142

Alternative 7 (LLT) minus No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	-8	5	0	0	0	-2	0	0	0	-32	-48	-24
20%	7	16	12	-1	2	0	0	0	-66	-27	-33	-19
30%	-4	8	6	0	1	1	0	0	-37	-23	-39	-20
40%	3	-3	5	12	3	3	0	-15	-51	-35	-36	-5
50%	2	-5	6	-23	8	6	0	-8	-44	-42	-7	4
60%	1	-11	10	-16	-38	6	-1	-18	-32	-16	-9	-1
70%	6	3	-4	9	-7	10	12	15	-1	-8	-5	-4
80%	-40	-71	-9	-41	-1	-5	-3	-28	13	-8	-15	-30
90%	-2	0	-45	-29	-66	-26	-34	-54	-59	-23	6	1
Long Term												
Full Simulation Period[a]	-7	-7	-5	-5	-7	-4	1	-6	-28	-27	-22	-11
Water Year Types[b]												
Wet (32%)	6	6	5	0	0	0	0	-4	-42	-32	-31	0
Above Normal (15%)	6	11	10	9	4	0	0	-11	-41	-22	-18	-7
Below Normal (17%)	-10	-8	0	1	-3	-3	4	-4	-32	-38	-33	-20
Dry (22%)	-9	-14	-14	-10	-15	-7	9	2	5	-7	-9	-17
Critical (15%)	-44	-39	-34	-30	-25	-16	-10	-19	-25	-41	-11	-17

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-4-24. Folsom Lake, End of Month Storage

No Action Alternative (LLT)

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	548	494	575	575	575	672	800	975	975	798	718	575
20%	473	424	546	572	570	667	800	975	961	716	620	526
30%	415	399	492	561	562	660	800	975	878	618	547	469
40%	380	376	429	529	555	649	800	970	822	581	491	419
50%	348	351	389	457	518	629	800	917	770	527	428	385
60%	319	330	346	412	474	611	797	835	692	443	396	353
70%	292	299	306	347	417	570	686	706	601	372	332	317
80%	243	259	255	313	360	502	605	585	443	322	285	259
90%	92	115	212	233	330	402	431	463	410	180	90	91
Long Term												
Full Simulation Period[a]	354	341	388	431	469	580	697	791	712	509	439	379
Water Year Types[b]												
Wet (32%)	400	401	500	515	505	635	789	943	902	705	623	485
Above Normal (15%)	341	311	358	489	516	648	795	930	825	547	483	430
Below Normal (17%)	352	338	354	438	522	624	776	891	788	543	451	423
Dry (22%)	339	336	371	386	471	579	665	691	560	376	319	306
Critical (15%)	291	253	245	249	278	345	359	360	324	210	165	159

Alternative 8 (LLT)

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	597	572	575	575	575	670	800	975	975	758	708	619
20%	497	492	571	571	574	667	800	974	866	731	670	568
30%	464	448	515	558	563	658	800	900	804	695	630	497
40%	383	375	463	514	556	649	782	850	731	601	527	419
50%	345	339	397	459	514	632	761	808	699	560	423	373
60%	309	319	351	416	449	608	732	731	658	392	356	345
70%	268	281	302	344	421	575	688	700	592	314	289	266
80%	131	175	247	290	351	531	581	538	328	277	245	214
90%	90	90	163	230	268	392	425	300	293	178	90	90
Long Term												
Full Simulation Period[a]	348	345	388	424	459	579	681	728	636	501	434	373
Water Year Types[b]												
Wet (32%)	421	423	505	514	505	636	785	923	865	729	656	522
Above Normal (15%)	318	311	358	461	480	633	783	904	785	634	565	477
Below Normal (17%)	352	357	376	450	525	627	754	782	686	509	410	396
Dry (22%)	337	330	364	384	461	586	644	599	460	310	256	245
Critical (15%)	233	214	215	224	261	336	324	262	199	152	117	114

Alternative 8 (LLT) minus No Action Alternative (LLT)

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	49	78	0	0	0	-2	0	0	0	-40	-11	44
20%	24	68	25	-1	4	0	0	-1	-95	15	50	42
30%	49	49	23	-3	1	-2	0	-75	-73	77	83	28
40%	3	-1	34	-16	1	0	-18	-119	-91	19	36	-1
50%	-4	-11	7	2	-5	3	-39	-109	-71	33	-5	-13
60%	-10	-10	5	4	-25	-3	-65	-104	-35	-51	-40	-8
70%	-24	-18	-4	-2	4	5	2	-6	-9	-58	-43	-51
80%	-112	-84	-8	-23	-9	29	-24	-48	-115	-45	-40	-45
90%	-2	-25	-50	-3	-62	-10	-6	-163	-117	-2	0	-1
Long Term												
Full Simulation Period[a]	-6	4	0	-6	-9	-1	-16	-63	-76	-8	-5	-6
Water Year Types[b]												
Wet (32%)	20	22	5	-1	0	1	-4	-21	-37	24	33	37
Above Normal (15%)	-23	0	0	-28	-37	-15	-12	-25	-41	87	83	47
Below Normal (17%)	1	19	22	12	3	3	-21	-108	-103	-34	-41	-27
Dry (22%)	-2	-5	-7	-3	-9	7	-21	-92	-100	-66	-64	-61
Critical (15%)	-58	-39	-30	-24	-17	-8	-35	-98	-125	-58	-48	-45

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-4-25. Folsom Lake, End of Month Storage

No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	548	494	575	575	575	672	800	975	975	798	718	575
20%	473	424	546	572	570	667	800	975	961	716	620	526
30%	415	399	492	561	562	660	800	975	878	618	547	469
40%	380	376	429	529	555	649	800	970	822	581	491	419
50%	348	351	389	457	518	629	800	917	770	527	428	385
60%	319	330	346	412	474	611	797	835	692	443	396	353
70%	292	299	306	347	417	570	686	706	601	372	332	317
80%	243	259	255	313	360	502	605	585	443	322	285	259
90%	92	115	212	233	330	402	431	463	410	180	90	91
Long Term												
Full Simulation Period[a]	354	341	388	431	469	580	697	791	712	509	439	379
Water Year Types[b]												
Wet (32%)	400	401	500	515	505	635	789	943	902	705	623	485
Above Normal (15%)	341	311	358	489	516	648	795	930	825	547	483	430
Below Normal (17%)	352	338	354	438	522	624	776	891	788	543	451	423
Dry (22%)	339	336	371	386	471	579	665	691	560	376	319	306
Critical (15%)	291	253	245	249	278	345	359	360	324	210	165	159

Alternative 9 (LLT)

	End of Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	554	468	575	575	575	672	800	975	975	788	685	593
20%	478	427	539	572	572	667	800	975	959	716	638	505
30%	429	406	491	561	563	662	800	975	885	650	564	470
40%	397	390	430	532	555	653	800	956	808	601	499	435
50%	375	361	397	448	525	634	800	899	737	532	444	407
60%	338	345	351	406	462	617	771	793	649	450	401	383
70%	301	320	305	349	412	589	699	667	573	374	345	322
80%	273	265	276	301	361	511	553	560	449	334	303	285
90%	100	114	202	244	316	411	424	428	380	225	137	96
Long Term												
Full Simulation Period[a]	368	348	394	435	470	582	696	778	695	519	452	390
Water Year Types[b]												
Wet (32%)	417	406	506	515	505	635	789	941	890	705	624	489
Above Normal (15%)	338	316	363	494	515	648	795	927	819	567	504	448
Below Normal (17%)	366	351	368	449	532	633	779	870	766	567	477	438
Dry (22%)	361	342	369	389	466	579	653	652	527	388	338	322
Critical (15%)	302	258	248	252	281	347	364	356	319	208	169	161

Alternative 9 (LLT) minus No Action Alternative (LLT)

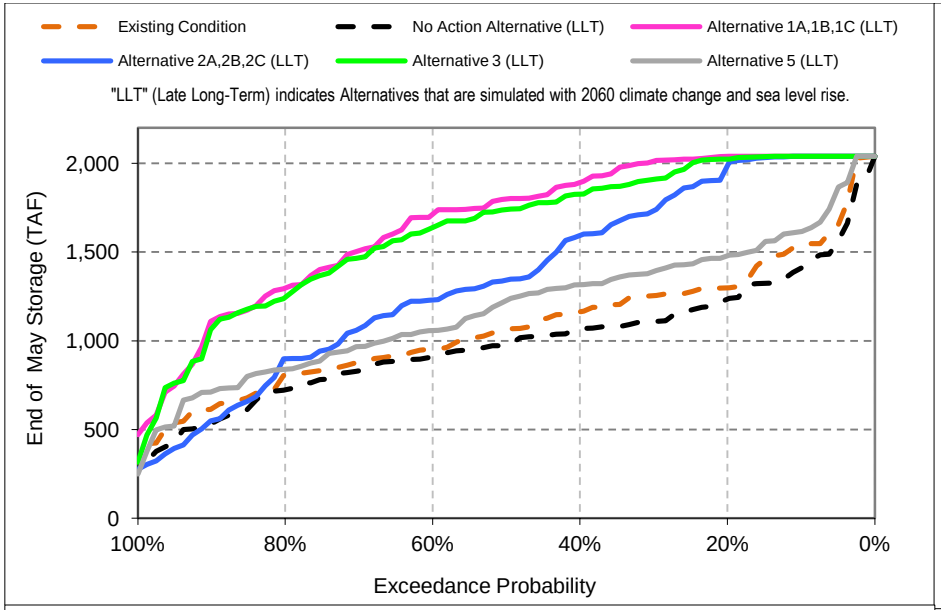
	End of Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	6	**-25**	0	0	0	0	0	0	0	**-10**	**-33**	18
20%	6	3	**-6**	0	2	0	0	0	**-2**	0	18	**-20**
30%	14	7	**-1**	0	0	2	0	0	7	32	16	1
40%	17	14	1	3	0	4	0	**-14**	**-13**	20	7	15
50%	27	11	7	**-9**	7	6	0	**-18**	**-32**	5	16	21
60%	19	16	5	**-6**	**-12**	6	**-26**	**-42**	**-44**	8	6	29
70%	9	21	**-1**	3	**-4**	19	13	**-39**	**-28**	1	13	6
80%	30	7	21	**-12**	1	9	**-52**	**-25**	6	12	18	27
90%	8	**0**	**-11**	11	**-15**	9	**-7**	**-36**	**-31**	45	47	4
Long Term												
Full Simulation Period[a]	14	7	5	4	1	2	**-1**	**-14**	**-17**	9	13	10
Water Year Types[b]												
Wet (32%)	17	5	6	0	0	**0**	**0**	**-3**	**-12**	**0**	2	4
Above Normal (15%)	**-3**	5	6	5	**-1**	0	0	**-3**	**-7**	21	21	18
Below Normal (17%)	15	13	14	10	9	9	4	**-20**	**-22**	24	26	16
Dry (22%)	22	7	**-2**	3	**-5**	0	**-12**	**-39**	**-34**	12	18	16
Critical (15%)	11	4	3	3	2	2	4	**-4**	**-5**	**-2**	4	2

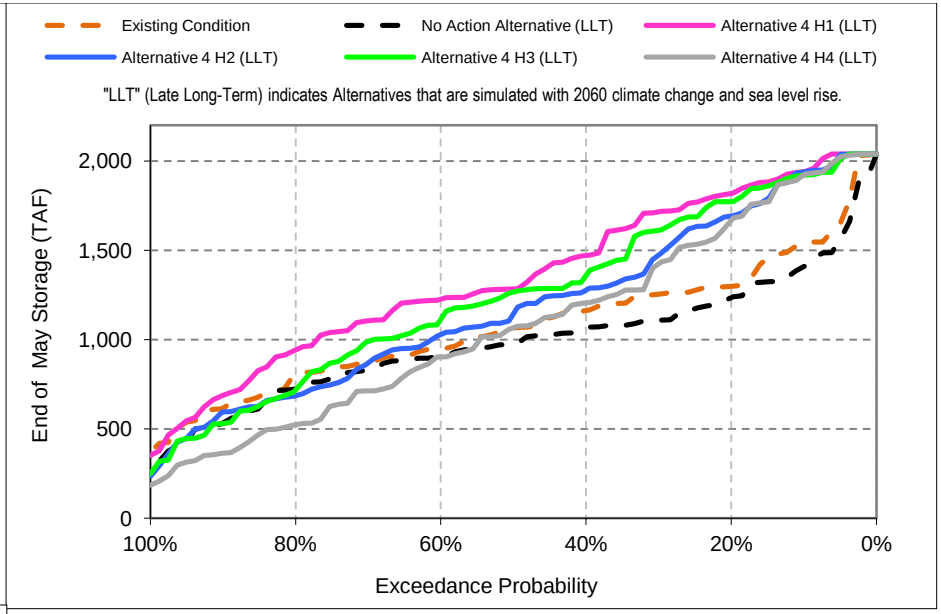
Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

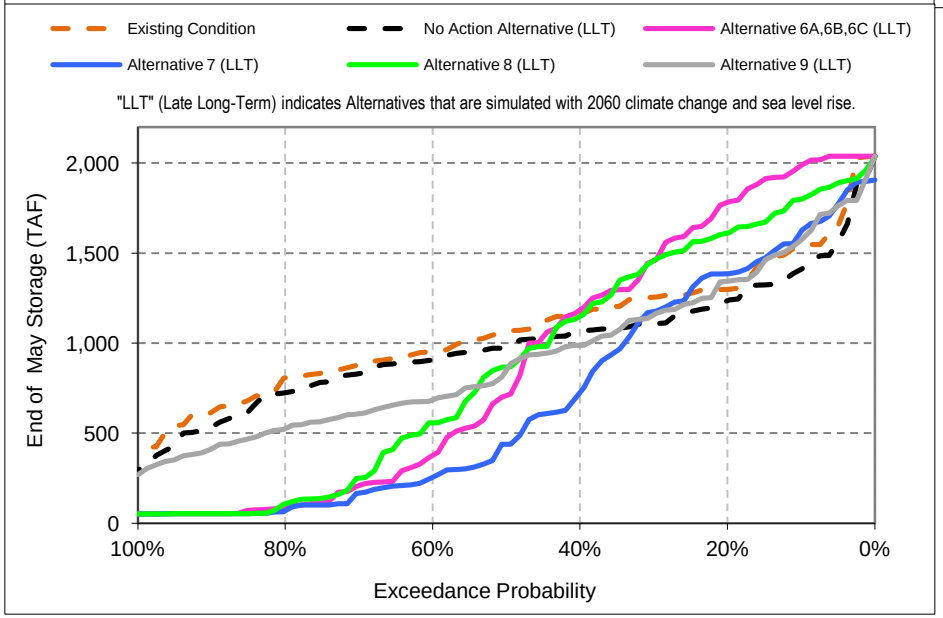
a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

C.5. San Luis Storage



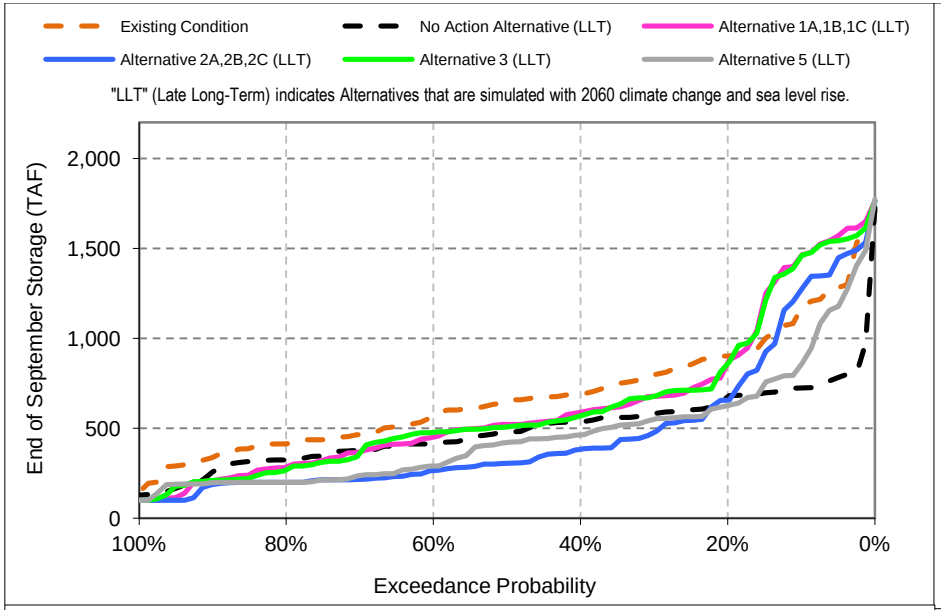


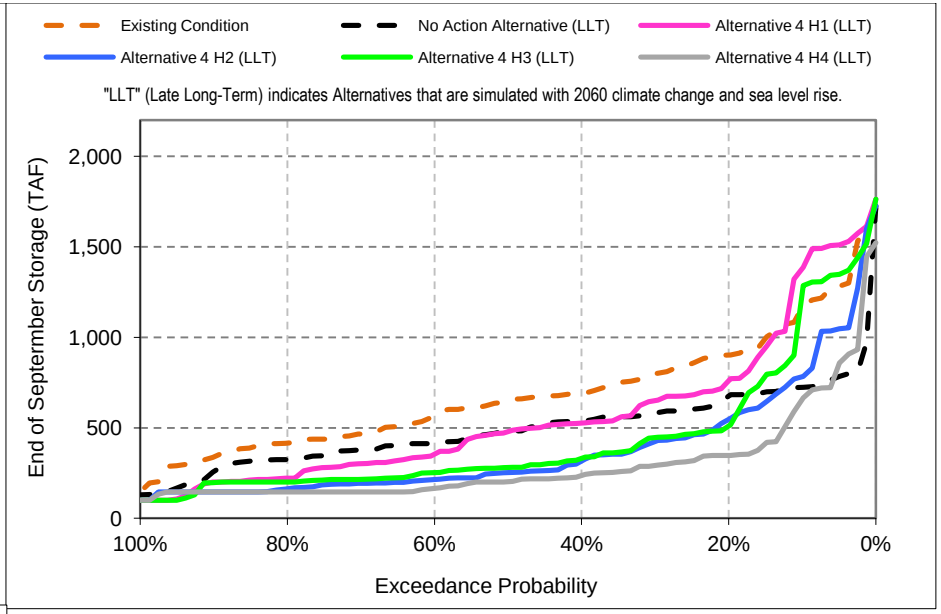


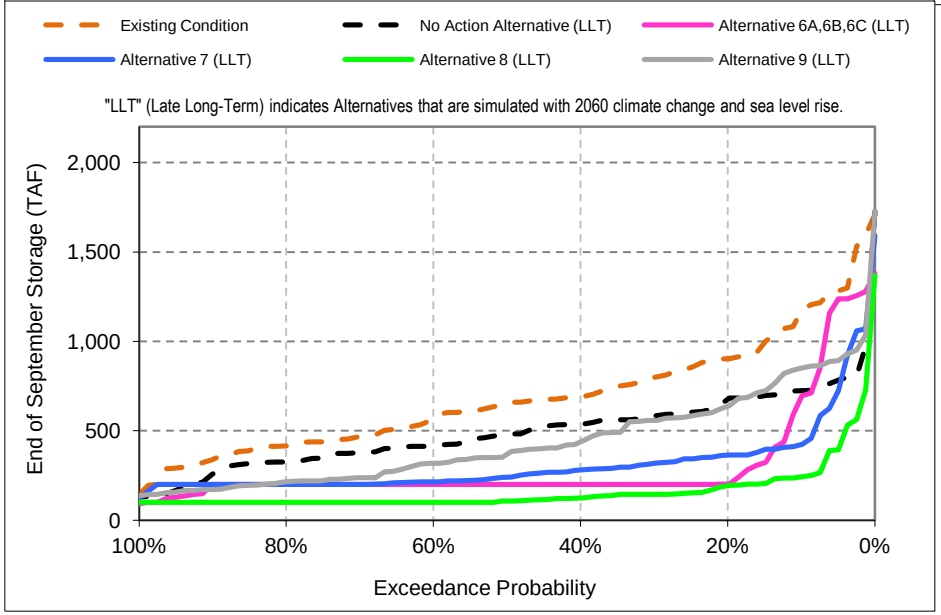
Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-5-1. San Luis Reservoir (SWP and CVP), End of May Storage



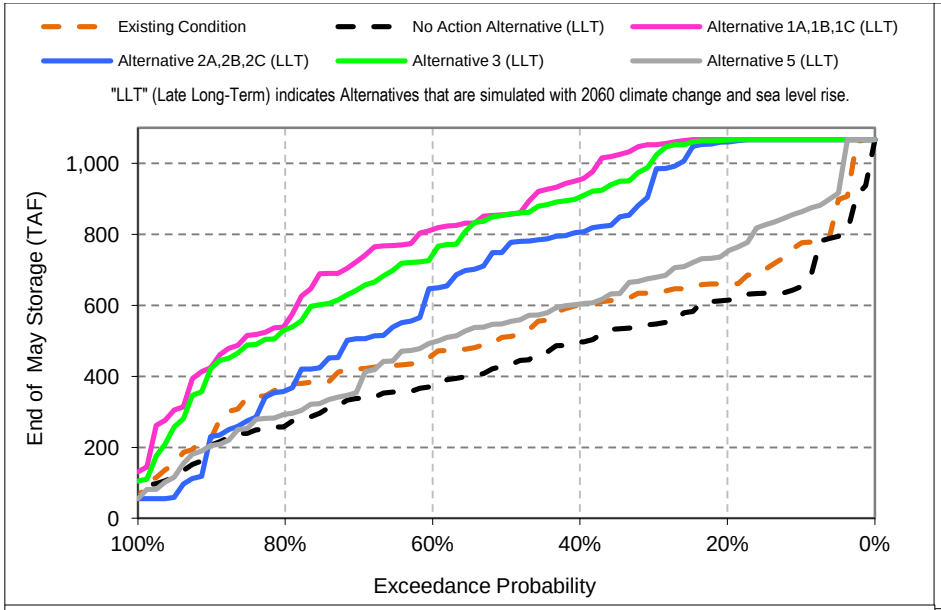


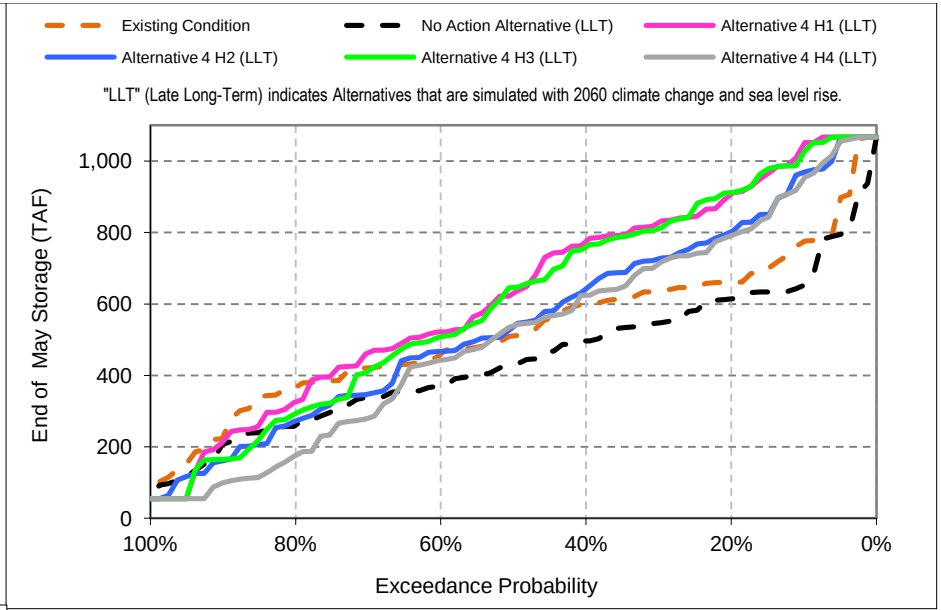


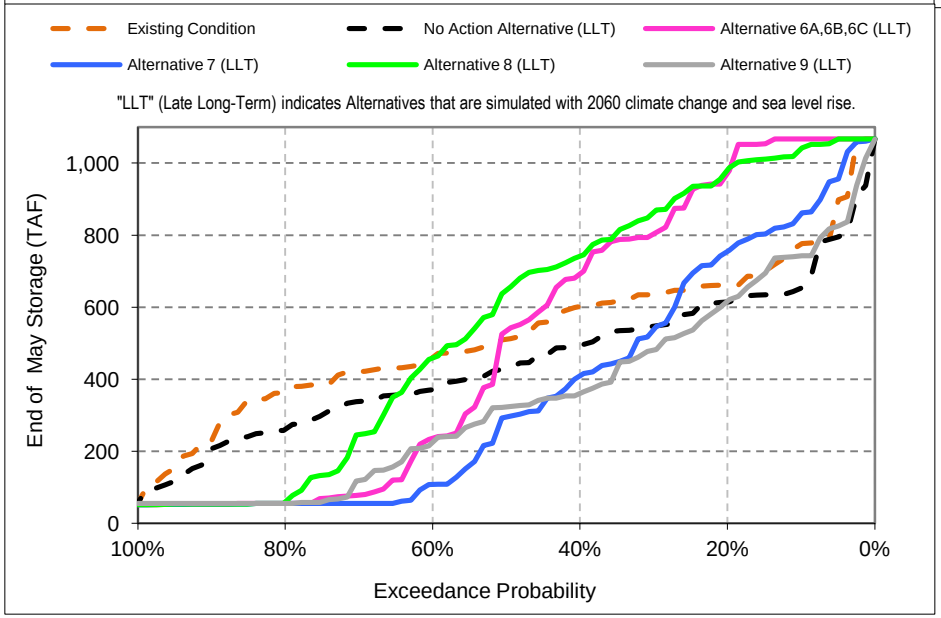
Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-5-2. San Luis Reservoir (SWP and CVP), End of September Storage



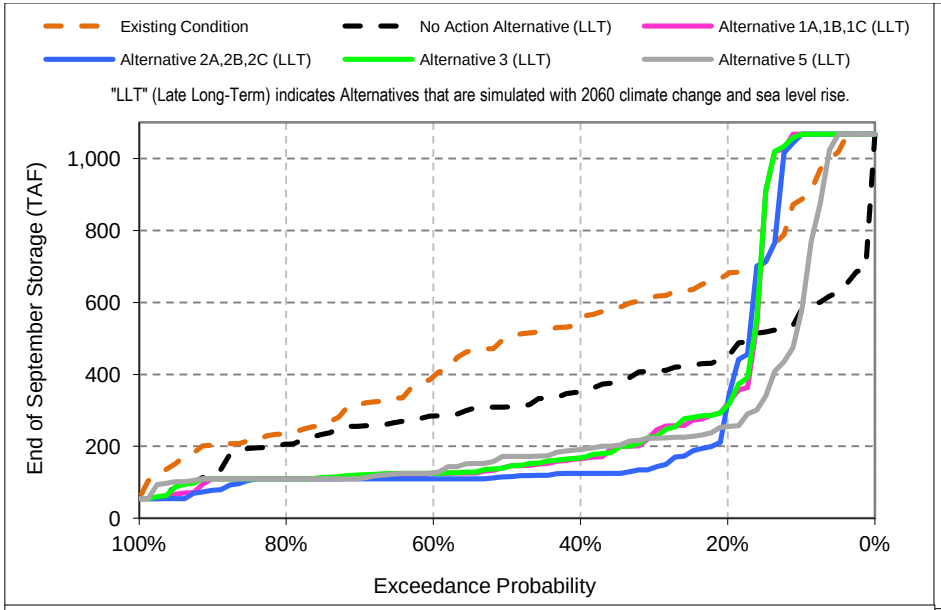


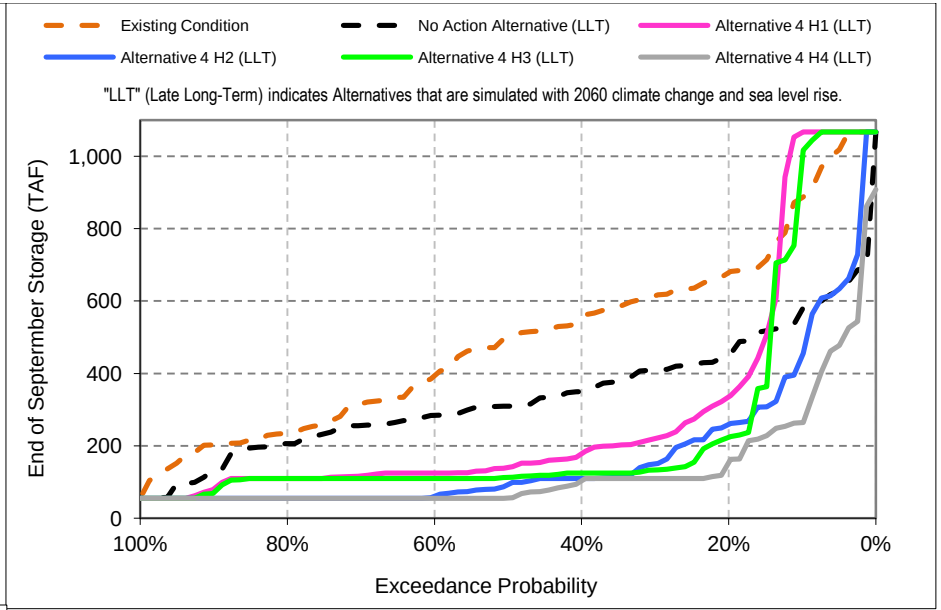


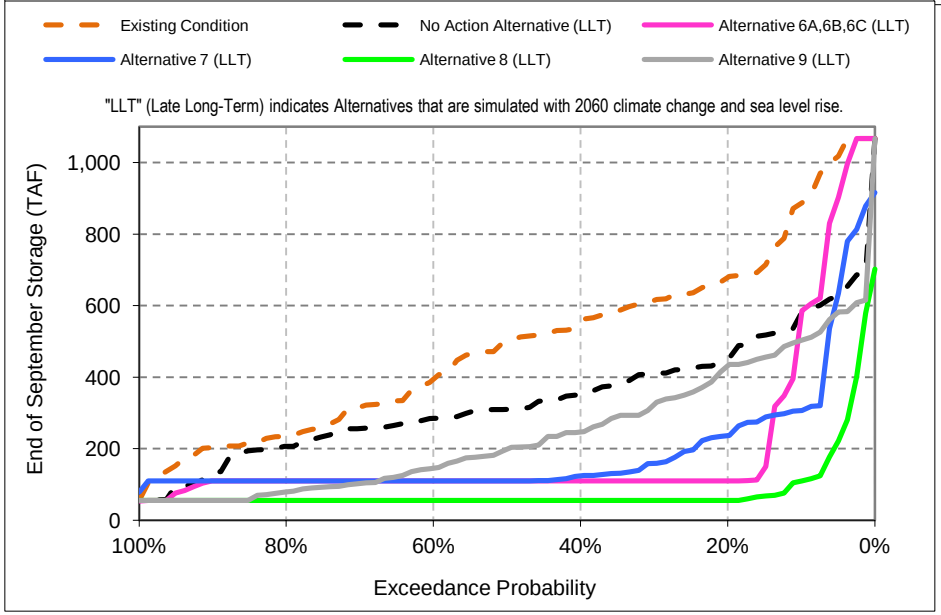
Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-5-3. SWP San Luis Reservoir , End of May Storage



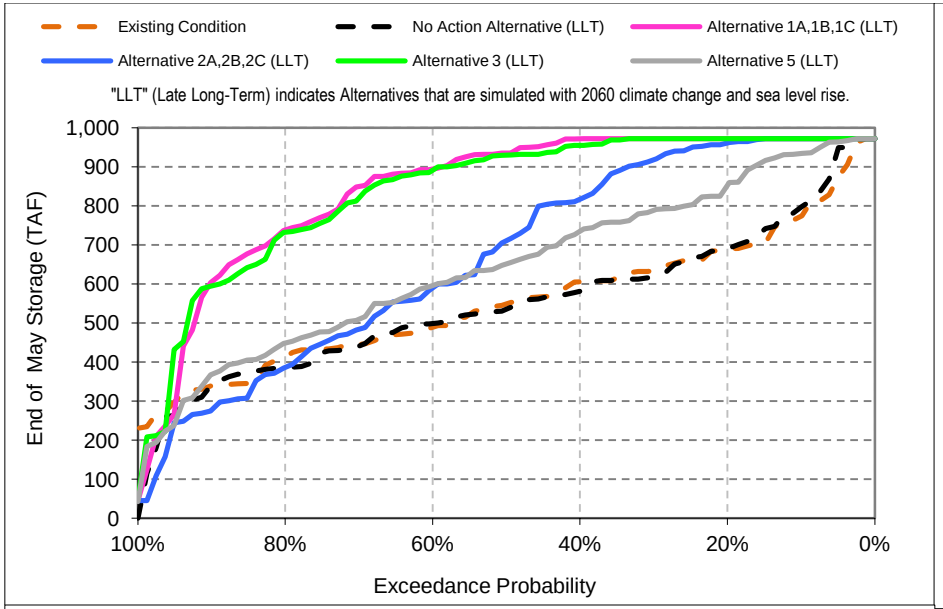


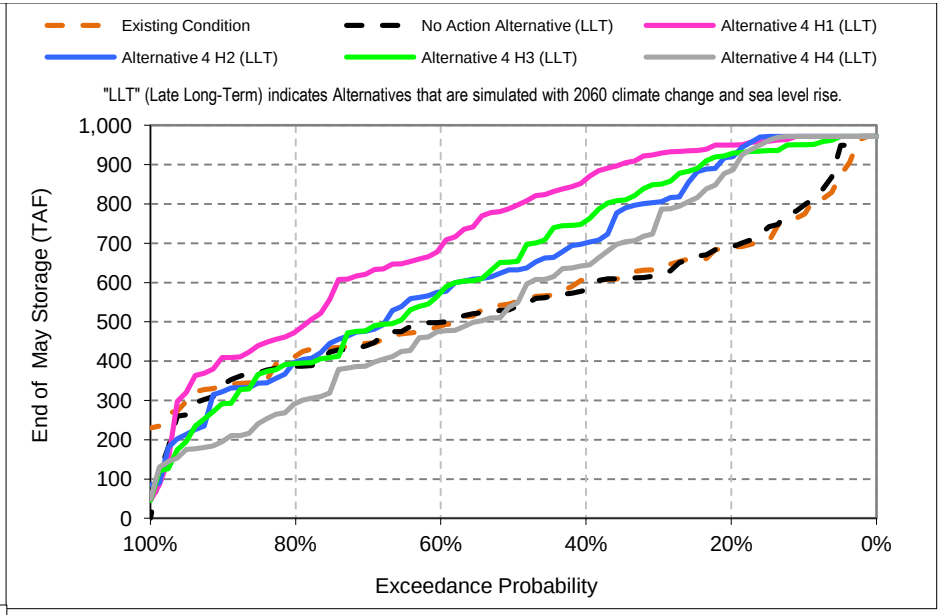


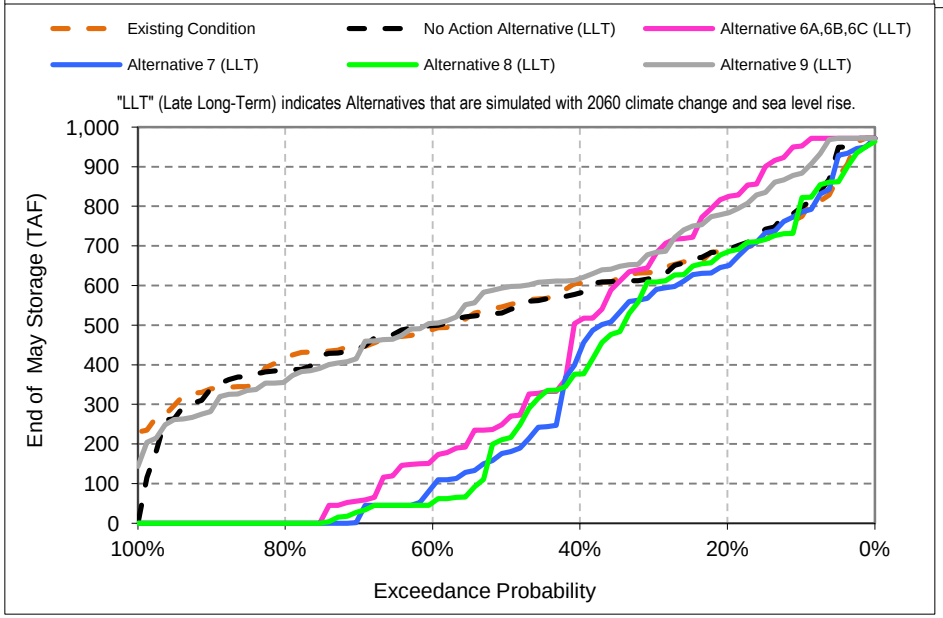
Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-5-4. SWP San Luis Reservoir , End of September Storage



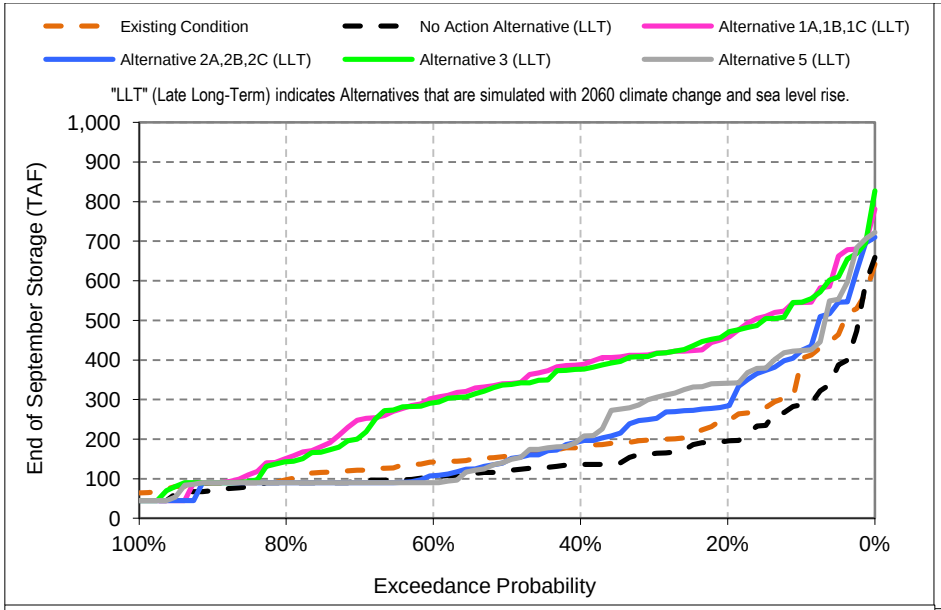


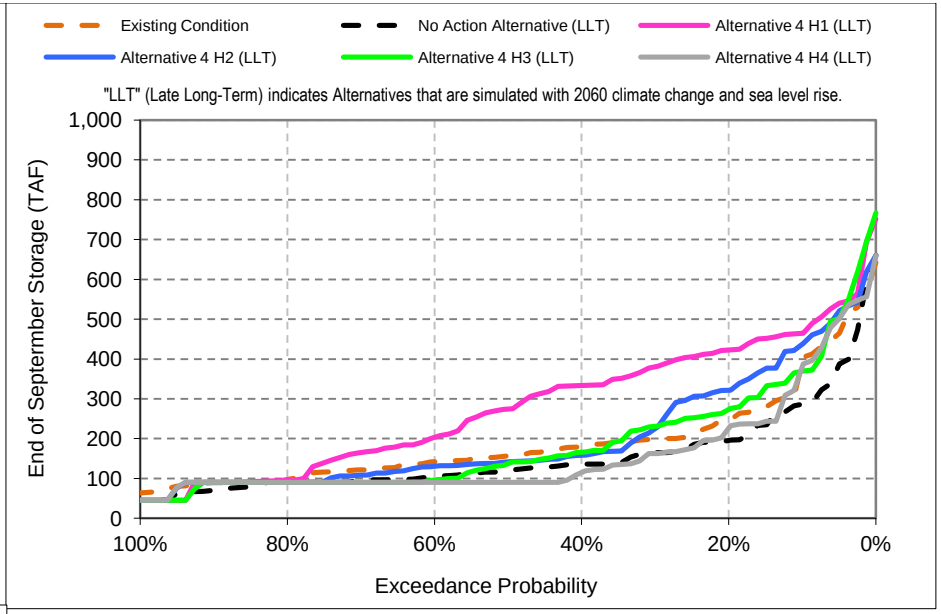


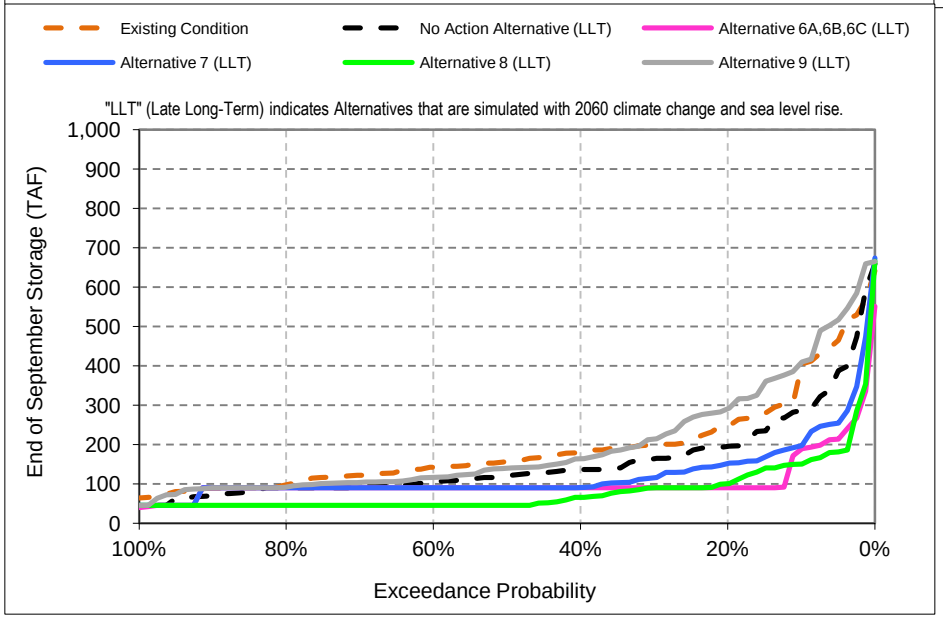
Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-5-5. CVP San Luis Reservoir, End of May Storage







Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-5-6. CVP San Luis Reservoir, End of September Storage

Table C-5-1. San Luis Reservoir (SWP and CVP), End of Month Storage

Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,317	1,508	1,705	1,876	1,998	2,039	1,841	1,525	1,343	1,219	1,006	1,167
20%	1,097	1,404	1,646	1,758	1,879	2,015	1,713	1,298	993	928	771	902
30%	998	1,289	1,577	1,670	1,809	1,917	1,602	1,255	871	716	636	799
40%	907	1,207	1,513	1,638	1,722	1,738	1,510	1,163	769	655	586	692
50%	824	1,105	1,442	1,541	1,660	1,634	1,419	1,064	649	576	535	649
60%	711	1,006	1,367	1,486	1,571	1,604	1,336	952	525	495	493	571
70%	589	851	1,173	1,400	1,453	1,550	1,271	877	438	440	424	465
80%	539	689	1,008	1,270	1,384	1,418	1,201	808	350	337	330	415
90%	381	549	868	987	1,111	1,176	939	617	280	250	240	339
Long Term												
Full Simulation Period[a]	835	1,069	1,357	1,495	1,594	1,647	1,409	1,077	729	651	590	687
Water Year Types[b]												
Wet (32%)	969	1,250	1,513	1,648	1,796	1,913	1,679	1,365	1,082	940	852	980
Above Normal (15%)	731	949	1,267	1,386	1,491	1,623	1,360	991	689	567	515	658
Below Normal (17%)	806	1,056	1,347	1,476	1,572	1,639	1,371	995	608	569	524	637
Dry (22%)	816	1,044	1,357	1,518	1,584	1,547	1,287	919	457	426	445	516
Critical (15%)	712	848	1,118	1,258	1,299	1,253	1,100	868	551	544	394	399

No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	740	1,070	1,404	1,702	1,960	2,039	1,740	1,410	1,015	824	723	724
20%	647	851	1,220	1,498	1,666	1,856	1,600	1,236	854	725	598	675
30%	589	735	1,070	1,377	1,544	1,709	1,478	1,108	762	647	543	583
40%	505	659	975	1,228	1,452	1,636	1,386	1,067	700	553	496	537
50%	444	567	899	1,174	1,338	1,526	1,321	977	609	478	429	481
60%	394	477	812	1,055	1,266	1,423	1,232	906	544	391	387	416
70%	360	433	746	962	1,159	1,273	1,095	831	468	347	306	378
80%	301	372	641	889	1,066	1,160	977	724	363	275	279	326
90%	217	320	536	736	944	993	866	534	225	186	180	258
Long Term												
Full Simulation Period[a]	481	626	939	1,191	1,377	1,496	1,296	995	648	523	458	497
Water Year Types[b]												
Wet (32%)	557	729	1,045	1,300	1,539	1,747	1,520	1,200	867	646	583	608
Above Normal (15%)	406	574	935	1,217	1,421	1,574	1,317	943	561	340	357	474
Below Normal (17%)	465	610	937	1,156	1,329	1,460	1,246	912	533	460	411	514
Dry (22%)	445	566	915	1,183	1,315	1,356	1,188	916	537	550	477	458
Critical (15%)	461	566	750	979	1,127	1,125	1,010	820	562	472	317	320

No Action Alternative (LLT) minus Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-577	-438	-301	-174	-38	0	-101	-115	-327	-396	-282	-443
20%	-450	-554	-427	-260	-213	-159	-112	-63	-139	-203	-173	-227
30%	-409	-553	-507	-293	-265	-208	-124	-147	-110	-69	-93	-216
40%	-401	-548	-538	-410	-270	-102	-124	-96	-69	-102	-90	-155
50%	-380	-538	-542	-368	-322	-108	-98	-87	-40	-98	-106	-168
60%	-317	-529	-555	-431	-305	-182	-104	-47	19	-103	-106	-155
70%	-228	-418	-427	-438	-294	-277	-175	-46	30	-93	-118	-87
80%	-239	-317	-367	-381	-318	-258	-225	-84	13	-63	-51	-89
90%	-164	-229	-332	-251	-166	-182	-73	-83	-55	-64	-60	-82
Long Term												
Full Simulation Period[a]	-355	-443	-418	-304	-217	-151	-113	-81	-81	-128	-132	-190
Water Year Types[b]												
Wet (32%)	-412	-521	-468	-348	-257	-166	-159	-165	-216	-293	-268	-371
Above Normal (15%)	-325	-375	-332	-169	-70	-49	-43	-49	-127	-227	-158	-185
Below Normal (17%)	-341	-446	-410	-320	-243	-179	-125	-83	-75	-109	-113	-123
Dry (22%)	-371	-478	-442	-335	-269	-192	-100	-3	80	124	32	-59
Critical (15%)	-251	-282	-368	-279	-171	-128	-90	-49	11	-72	-77	-79

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-5-2. San Luis Reservoir (SWP and CVP), End of Month Storage

Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,317	1,508	1,705	1,876	1,998	2,039	1,841	1,525	1,343	1,219	1,006	1,167
20%	1,097	1,404	1,646	1,758	1,879	2,015	1,713	1,298	993	928	771	902
30%	998	1,289	1,577	1,670	1,809	1,917	1,602	1,255	871	716	636	799
40%	907	1,207	1,513	1,638	1,722	1,738	1,510	1,163	769	655	586	692
50%	824	1,105	1,442	1,541	1,660	1,634	1,419	1,064	649	576	535	649
60%	711	1,006	1,367	1,486	1,571	1,604	1,336	952	525	495	493	571
70%	589	851	1,173	1,400	1,453	1,550	1,271	877	438	440	424	465
80%	539	689	1,008	1,270	1,384	1,418	1,201	808	350	337	330	415
90%	381	549	868	987	1,111	1,176	939	617	280	250	240	339
Long Term												
Full Simulation Period[a]	835	1,069	1,357	1,495	1,594	1,647	1,409	1,077	729	651	590	687
Water Year Types[b]												
Wet (32%)	969	1,250	1,513	1,648	1,796	1,913	1,679	1,365	1,082	940	852	980
Above Normal (15%)	731	949	1,267	1,386	1,491	1,623	1,360	991	689	567	515	658
Below Normal (17%)	806	1,056	1,347	1,476	1,572	1,639	1,371	995	608	569	524	637
Dry (22%)	816	1,044	1,357	1,518	1,584	1,547	1,287	919	457	426	445	516
Critical (15%)	712	848	1,118	1,258	1,299	1,253	1,100	868	551	544	394	399

Alternative 1A,1B,1C (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,338	1,595	1,858	2,039	2,039	2,039	2,039	2,039	1,942	1,587	1,401	1,458
20%	734	1,164	1,619	1,970	2,039	2,039	2,039	2,039	1,690	1,163	800	861
30%	678	902	1,437	1,811	2,022	2,039	2,039	2,012	1,598	1,079	675	678
40%	592	795	1,256	1,687	1,943	2,034	2,039	1,892	1,515	985	628	589
50%	533	740	1,152	1,458	1,809	1,974	2,000	1,799	1,437	908	545	522
60%	479	663	1,025	1,278	1,688	1,864	1,907	1,713	1,373	837	505	451
70%	351	614	901	1,172	1,603	1,770	1,736	1,507	1,049	763	438	370
80%	313	466	796	1,087	1,356	1,535	1,510	1,298	929	640	354	286
90%	245	319	602	860	1,056	1,293	1,247	1,113	746	482	276	208
Long Term												
Full Simulation Period[a]	639	843	1,186	1,462	1,684	1,786	1,781	1,657	1,343	951	658	630
Water Year Types[b]												
Wet (32%)	777	1,061	1,461	1,802	1,968	2,024	2,029	1,977	1,716	1,269	951	971
Above Normal (15%)	465	664	992	1,425	1,754	1,948	1,972	1,901	1,622	1,123	797	784
Below Normal (17%)	708	915	1,226	1,495	1,765	1,862	1,869	1,717	1,351	942	603	540
Dry (22%)	592	773	1,121	1,317	1,551	1,702	1,683	1,475	1,066	726	440	373
Critical (15%)	500	571	835	938	1,101	1,149	1,092	920	660	439	273	228

Alternative 1A,1B,1C (LLT) minus Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	21	87	153	163	41	0	198	514	599	368	396	291
20%	**-363**	**-240**	**-27**	212	160	24	326	741	698	235	28	**-41**
30%	**-319**	**-386**	**-141**	141	213	122	437	757	727	363	39	**-120**
40%	**-315**	**-412**	**-257**	50	221	296	529	729	746	330	42	**-103**
50%	**-290**	**-365**	**-289**	**-83**	149	340	581	735	788	332	10	**-127**
60%	**-232**	**-343**	**-342**	**-208**	116	260	572	761	848	342	12	**-120**
70%	**-237**	**-237**	**-273**	**-228**	150	220	465	630	610	322	14	**-95**
80%	**-226**	**-223**	**-212**	**-183**	**-28**	117	309	490	579	303	24	**-129**
90%	**-136**	**-229**	**-267**	**-127**	**-55**	118	307	496	467	232	37	**-132**
Long Term												
Full Simulation Period[a]	**-197**	**-226**	**-171**	**-33**	90	139	372	580	614	300	68	**-57**
Water Year Types[b]												
Wet (32%)	**-191**	**-190**	**-52**	155	172	110	351	611	634	329	99	**-8**
Above Normal (15%)	**-266**	**-285**	**-275**	39	263	324	612	910	934	556	282	126
Below Normal (17%)	**-98**	**-141**	**-121**	19	193	223	498	722	743	373	79	**-97**
Dry (22%)	**-224**	**-271**	**-236**	**-201**	**-33**	154	396	557	609	300	**-4**	**-143**
Critical (15%)	**-213**	**-277**	**-283**	**-320**	**-198**	**-104**	**-8**	52	109	**-105**	**-120**	**-171**

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-5-3. San Luis Reservoir (SWP and CVP), End of Month Storage

Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,317	1,508	1,705	1,876	1,998	2,039	1,841	1,525	1,343	1,219	1,006	1,167
20%	1,097	1,404	1,646	1,758	1,879	2,015	1,713	1,298	993	928	771	902
30%	998	1,289	1,577	1,670	1,809	1,917	1,602	1,255	871	716	636	799
40%	907	1,207	1,513	1,638	1,722	1,738	1,510	1,163	769	655	586	692
50%	824	1,105	1,442	1,541	1,660	1,634	1,419	1,064	649	576	535	649
60%	711	1,006	1,367	1,486	1,571	1,604	1,336	952	525	495	493	571
70%	589	851	1,173	1,400	1,453	1,550	1,271	877	438	440	424	465
80%	539	689	1,008	1,270	1,384	1,418	1,201	808	350	337	330	415
90%	381	549	868	987	1,111	1,176	939	617	280	250	240	339
Long Term												
Full Simulation Period[a]	835	1,069	1,357	1,495	1,594	1,647	1,409	1,077	729	651	590	687
Water Year Types[b]												
Wet (32%)	969	1,250	1,513	1,648	1,796	1,913	1,679	1,365	1,082	940	852	980
Above Normal (15%)	731	949	1,267	1,386	1,491	1,623	1,360	991	689	567	515	658
Below Normal (17%)	806	1,056	1,347	1,476	1,572	1,639	1,371	995	608	569	524	637
Dry (22%)	816	1,044	1,357	1,518	1,584	1,547	1,287	919	457	426	445	516
Critical (15%)	712	848	1,118	1,258	1,299	1,253	1,100	868	551	544	394	399

Alternative 2A,2B,2C (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,013	847	1,385	1,759	1,991	2,039	2,039	2,039	1,860	1,635	1,414	1,268
20%	534	717	1,097	1,556	1,815	2,031	2,027	1,987	1,693	1,209	832	657
30%	361	581	946	1,375	1,667	1,865	1,896	1,733	1,485	1,034	695	478
40%	297	497	803	1,216	1,520	1,751	1,759	1,594	1,261	886	539	384
50%	228	431	705	1,023	1,449	1,683	1,665	1,342	1,194	761	478	306
60%	200	358	592	926	1,315	1,561	1,498	1,229	970	670	385	266
70%	152	232	537	833	1,127	1,397	1,295	1,067	766	577	312	217
80%	145	146	421	619	938	1,123	1,115	899	567	417	259	200
90%	145	145	350	461	691	764	767	551	357	228	204	187
Long Term												
Full Simulation Period[a]	384	485	787	1,102	1,376	1,559	1,518	1,351	1,126	841	604	480
Water Year Types[b]												
Wet (32%)	495	607	975	1,432	1,713	1,894	1,897	1,810	1,627	1,253	959	746
Above Normal (15%)	249	388	690	1,105	1,448	1,719	1,705	1,534	1,375	1,024	746	557
Below Normal (17%)	426	483	786	1,031	1,380	1,549	1,460	1,202	953	726	516	430
Dry (22%)	332	447	717	920	1,171	1,405	1,336	1,128	812	575	342	293
Critical (15%)	306	377	582	737	876	916	847	681	462	301	185	165

Alternative 2A,2B,2C (LLT) minus Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-304	-661	-320	-117	-7	0	198	514	517	416	408	101
20%	-563	-687	-549	-202	-65	16	314	688	700	281	61	-245
30%	-637	-708	-631	-295	-142	-52	294	478	614	318	59	-321
40%	-609	-710	-710	-422	-201	13	249	431	492	231	-47	-308
50%	-595	-675	-737	-518	-211	49	246	278	545	185	-58	-344
60%	-511	-648	-775	-560	-256	-43	162	277	445	175	-107	-305
70%	-437	-619	-636	-567	-326	-153	25	190	327	137	-112	-249
80%	-394	-543	-586	-651	-446	-295	-86	91	218	80	-70	-215
90%	-236	-404	-519	-526	-420	-412	-172	-66	77	-22	-35	-152
Long Term												
Full Simulation Period[a]	-451	-584	-570	-393	-218	-88	109	274	397	190	14	-207
Water Year Types[b]												
Wet (32%)	-473	-643	-538	-216	-84	-19	219	444	545	313	107	-233
Above Normal (15%)	-482	-561	-577	-282	-44	96	345	543	686	457	231	-101
Below Normal (17%)	-380	-573	-561	-445	-192	-91	89	207	345	157	-8	-207
Dry (22%)	-485	-597	-640	-597	-413	-142	49	210	356	149	-103	-223
Critical (15%)	-407	-471	-537	-521	-423	-337	-253	-187	-89	-243	-209	-234

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-5-4. San Luis Reservoir (SWP and CVP), End of Month Storage

Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,317	1,508	1,705	1,876	1,998	2,039	1,841	1,525	1,343	1,219	1,006	1,167
20%	1,097	1,404	1,646	1,758	1,879	2,015	1,713	1,298	993	928	771	902
30%	998	1,289	1,577	1,670	1,809	1,917	1,602	1,255	871	716	636	799
40%	907	1,207	1,513	1,638	1,722	1,738	1,510	1,163	769	655	586	692
50%	824	1,105	1,442	1,541	1,660	1,634	1,419	1,064	649	576	535	649
60%	711	1,006	1,367	1,486	1,571	1,604	1,336	952	525	495	493	571
70%	589	851	1,173	1,400	1,453	1,550	1,271	877	438	440	424	465
80%	539	689	1,008	1,270	1,384	1,418	1,201	808	350	337	330	415
90%	381	549	868	987	1,111	1,176	939	617	280	250	240	339
Long Term												
Full Simulation Period[a]	835	1,069	1,357	1,495	1,594	1,647	1,409	1,077	729	651	590	687
Water Year Types[b]												
Wet (32%)	969	1,250	1,513	1,648	1,796	1,913	1,679	1,365	1,082	940	852	980
Above Normal (15%)	731	949	1,267	1,386	1,491	1,623	1,360	991	689	567	515	658
Below Normal (17%)	806	1,056	1,347	1,476	1,572	1,639	1,371	995	608	569	524	637
Dry (22%)	816	1,044	1,357	1,518	1,584	1,547	1,287	919	457	426	445	516
Critical (15%)	712	848	1,118	1,258	1,299	1,253	1,100	868	551	544	394	399

Alternative 3 (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,332	1,630	1,858	2,039	2,039	2,039	2,039	2,039	1,882	1,558	1,413	1,456
20%	770	1,154	1,577	1,924	2,039	2,039	2,039	2,024	1,645	1,127	792	858
30%	674	949	1,408	1,785	1,978	2,039	2,039	1,910	1,558	1,054	689	678
40%	603	800	1,214	1,632	1,896	2,018	2,000	1,826	1,454	969	631	570
50%	522	753	1,141	1,420	1,717	1,914	1,907	1,740	1,393	898	553	508
60%	452	669	1,045	1,235	1,549	1,789	1,805	1,638	1,235	831	499	478
70%	343	599	947	1,131	1,467	1,715	1,699	1,468	1,002	742	424	362
80%	301	489	756	1,022	1,300	1,475	1,494	1,246	888	647	355	269
90%	233	318	611	815	1,044	1,164	1,128	1,069	636	445	266	211
Long Term												
Full Simulation Period[a]	630	840	1,173	1,433	1,637	1,752	1,747	1,618	1,288	929	649	628
Water Year Types[b]												
Wet (32%)	761	1,040	1,412	1,736	1,922	2,003	2,016	1,946	1,671	1,241	927	961
Above Normal (15%)	474	683	993	1,367	1,650	1,881	1,935	1,855	1,544	1,086	769	775
Below Normal (17%)	709	920	1,232	1,505	1,746	1,851	1,844	1,670	1,265	920	627	553
Dry (22%)	587	788	1,141	1,329	1,521	1,660	1,627	1,440	1,025	710	433	370
Critical (15%)	475	548	813	912	1,052	1,101	1,043	875	619	437	278	236

Alternative 3 (LLT) minus Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	15	122	153	163	41	0	198	514	539	338	408	289
20%	**-327**	**-250**	**-69**	166	160	24	326	726	652	199	21	**-44**
30%	**-323**	**-340**	**-169**	115	169	122	437	655	687	338	52	**-120**
40%	**-303**	**-407**	**-298**	**-6**	175	280	490	663	685	314	45	**-122**
50%	**-301**	**-352**	**-301**	**-121**	57	280	489	676	744	322	18	**-141**
60%	**-259**	**-337**	**-321**	**-251**	**-22**	185	470	686	710	337	7	**-93**
70%	**-246**	**-253**	**-226**	**-269**	14	165	429	591	563	302	0	**-103**
80%	**-238**	**-200**	**-251**	**-248**	**-83**	57	293	438	539	310	25	**-146**
90%	**-148**	**-230**	**-258**	**-172**	**-67**	**-12**	189	452	356	195	26	**-129**
Long Term												
Full Simulation Period[a]	**-205**	**-229**	**-184**	**-62**	43	105	338	541	559	278	59	**-59**
Water Year Types[b]												
Wet (32%)	**-208**	**-211**	**-101**	88	126	90	337	580	589	301	76	**-19**
Above Normal (15%)	**-257**	**-266**	**-274**	**-20**	158	257	575	863	856	518	254	117
Below Normal (17%)	**-97**	**-136**	**-115**	29	174	212	473	674	657	351	103	**-84**
Dry (22%)	**-229**	**-257**	**-216**	**-188**	**-63**	113	340	522	569	284	**-12**	**-146**
Critical (15%)	**-238**	**-300**	**-305**	**-346**	**-246**	**-152**	**-57**	6	68	**-106**	**-116**	**-163**

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-5-5. San Luis Reservoir (SWP and CVP), End of Month Storage

Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,317	1,508	1,705	1,876	1,998	2,039	1,841	1,525	1,343	1,219	1,006	1,167
20%	1,097	1,404	1,646	1,758	1,879	2,015	1,713	1,298	993	928	771	902
30%	998	1,289	1,577	1,670	1,809	1,917	1,602	1,255	871	716	636	799
40%	907	1,207	1,513	1,638	1,722	1,738	1,510	1,163	769	655	586	692
50%	824	1,105	1,442	1,541	1,660	1,634	1,419	1,064	649	576	535	649
60%	711	1,006	1,367	1,486	1,571	1,604	1,336	952	525	495	493	571
70%	589	851	1,173	1,400	1,453	1,550	1,271	877	438	440	424	465
80%	539	689	1,008	1,270	1,384	1,418	1,201	808	350	337	330	415
90%	381	549	868	987	1,111	1,176	939	617	280	250	240	339
Long Term												
Full Simulation Period[a]	835	1,069	1,357	1,495	1,594	1,647	1,409	1,077	729	651	590	687
Water Year Types[b]												
Wet (32%)	969	1,250	1,513	1,648	1,796	1,913	1,679	1,365	1,082	940	852	980
Above Normal (15%)	731	949	1,267	1,386	1,491	1,623	1,360	991	689	567	515	658
Below Normal (17%)	806	1,056	1,347	1,476	1,572	1,639	1,371	995	608	569	524	637
Dry (22%)	816	1,044	1,357	1,518	1,584	1,547	1,287	919	457	426	445	516
Critical (15%)	712	848	1,118	1,258	1,299	1,253	1,100	868	551	544	394	399

Alternative 4 H1 (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,318	1,403	1,709	1,893	2,039	2,039	2,039	1,941	1,654	1,413	1,191	1,379
20%	640	960	1,398	1,748	1,919	2,039	2,028	1,820	1,513	1,070	696	760
30%	503	769	1,159	1,509	1,725	2,000	1,912	1,716	1,389	958	641	651
40%	447	669	1,005	1,311	1,626	1,872	1,758	1,472	1,212	867	561	525
50%	385	595	890	1,203	1,512	1,716	1,672	1,284	1,091	775	509	479
60%	313	527	794	1,047	1,400	1,615	1,525	1,227	966	646	420	355
70%	221	441	680	921	1,263	1,396	1,293	1,106	815	567	338	301
80%	172	338	562	877	1,080	1,251	1,192	943	677	457	276	221
90%	145	221	438	748	886	1,037	931	689	406	311	206	200
Long Term												
Full Simulation Period[a]	492	688	972	1,246	1,474	1,625	1,559	1,348	1,083	805	579	568
Water Year Types[b]												
Wet (32%)	652	880	1,218	1,584	1,809	1,943	1,916	1,756	1,524	1,185	906	930
Above Normal (15%)	370	568	839	1,212	1,514	1,713	1,692	1,468	1,208	878	657	664
Below Normal (17%)	479	681	976	1,185	1,483	1,681	1,556	1,264	992	743	532	492
Dry (22%)	437	631	901	1,088	1,282	1,465	1,363	1,127	795	576	342	295
Critical (15%)	368	489	675	857	987	1,024	949	777	541	324	200	185

Alternative 4 H1 (LLT) minus Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1	-105	3	17	41	0	198	416	311	194	185	212
20%	-457	-444	-248	-10	39	24	316	521	521	142	-76	-142
30%	-495	-520	-419	-161	-84	83	310	461	518	242	5	-148
40%	-460	-539	-508	-327	-95	134	248	309	443	213	-25	-167
50%	-439	-510	-552	-339	-147	82	253	220	441	199	-26	-170
60%	-398	-479	-573	-439	-172	10	189	275	441	151	-72	-216
70%	-367	-410	-493	-479	-190	-154	22	229	376	127	-86	-164
80%	-367	-351	-445	-393	-304	-167	-9	135	327	120	-54	-194
90%	-236	-328	-430	-239	-225	-139	-8	72	126	62	-33	-140
Long Term												
Full Simulation Period[a]	-343	-380	-385	-249	-120	-22	150	272	354	154	-11	-120
Water Year Types[b]												
Wet (32%)	-317	-370	-295	-64	13	29	238	391	441	245	55	-50
Above Normal (15%)	-361	-381	-428	-174	22	90	332	476	520	311	142	6
Below Normal (17%)	-327	-375	-372	-291	-89	41	185	268	384	174	9	-145
Dry (22%)	-379	-414	-456	-429	-301	-82	75	209	338	150	-103	-221
Critical (15%)	-345	-359	-444	-402	-311	-229	-150	-91	-10	-220	-194	-214

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-5-6. San Luis Reservoir (SWP and CVP), End of Month Storage

Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,317	1,508	1,705	1,876	1,998	2,039	1,841	1,525	1,343	1,219	1,006	1,167
20%	1,097	1,404	1,646	1,758	1,879	2,015	1,713	1,298	993	928	771	902
30%	998	1,289	1,577	1,670	1,809	1,917	1,602	1,255	871	716	636	799
40%	907	1,207	1,513	1,638	1,722	1,738	1,510	1,163	769	655	586	692
50%	824	1,105	1,442	1,541	1,660	1,634	1,419	1,064	649	576	535	649
60%	711	1,006	1,367	1,486	1,571	1,604	1,336	952	525	495	493	571
70%	589	851	1,173	1,400	1,453	1,550	1,271	877	438	440	424	465
80%	539	689	1,008	1,270	1,384	1,418	1,201	808	350	337	330	415
90%	381	549	868	987	1,111	1,176	939	617	280	250	240	339
Long Term												
Full Simulation Period[a]	835	1,069	1,357	1,495	1,594	1,647	1,409	1,077	729	651	590	687
Water Year Types[b]												
Wet (32%)	969	1,250	1,513	1,648	1,796	1,913	1,679	1,365	1,082	940	852	980
Above Normal (15%)	731	949	1,267	1,386	1,491	1,623	1,360	991	689	567	515	658
Below Normal (17%)	806	1,056	1,347	1,476	1,572	1,639	1,371	995	608	569	524	637
Dry (22%)	816	1,044	1,357	1,518	1,584	1,547	1,287	919	457	426	445	516
Critical (15%)	712	848	1,118	1,258	1,299	1,253	1,100	868	551	544	394	399

Alternative 4 H2 (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	773	1,129	1,426	1,799	1,994	2,039	2,039	1,941	1,543	1,020	699	782
20%	486	741	1,273	1,677	1,882	1,971	1,954	1,692	1,325	828	518	547
30%	359	644	1,070	1,474	1,763	1,857	1,751	1,474	988	676	407	425
40%	243	547	959	1,320	1,656	1,755	1,605	1,278	799	439	260	317
50%	192	495	827	1,231	1,535	1,631	1,429	1,144	725	399	234	253
60%	159	434	749	1,065	1,387	1,458	1,267	1,029	634	319	173	214
70%	145	386	642	940	1,238	1,302	1,137	870	481	243	145	193
80%	145	315	574	791	1,014	1,113	1,024	686	421	195	145	163
90%	145	224	413	711	865	906	788	595	235	146	145	145
Long Term												
Full Simulation Period[a]	354	582	902	1,217	1,462	1,538	1,426	1,185	830	537	351	386
Water Year Types[b]												
Wet (32%)	507	792	1,213	1,620	1,839	1,893	1,825	1,614	1,259	854	574	653
Above Normal (15%)	219	440	744	1,197	1,533	1,708	1,603	1,341	898	490	324	353
Below Normal (17%)	336	564	866	1,121	1,454	1,487	1,336	1,012	645	422	287	335
Dry (22%)	292	501	789	1,003	1,220	1,324	1,161	912	549	365	212	203
Critical (15%)	272	411	601	796	948	975	888	714	467	289	178	172

Alternative 4 H2 (LLT) minus Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-544	-379	-279	-77	-4	0	198	416	200	-199	-306	-385
20%	-611	-663	-373	-81	3	-44	241	394	333	-100	-253	-355
30%	-639	-644	-507	-196	-46	-60	150	219	117	-40	-230	-374
40%	-663	-661	-554	-318	-65	17	94	115	31	-216	-326	-376
50%	-632	-610	-615	-310	-125	-3	11	80	76	-178	-301	-397
60%	-552	-572	-618	-421	-184	-146	-68	77	108	-176	-320	-356
70%	-444	-465	-531	-460	-215	-248	-134	-7	42	-197	-279	-272
80%	-394	-374	-434	-479	-369	-305	-178	-121	71	-142	-185	-252
90%	-236	-325	-455	-276	-246	-269	-151	-21	-45	-104	-95	-194
Long Term												
Full Simulation Period[a]	-481	-487	-455	-278	-132	-110	17	109	101	-114	-239	-302
Water Year Types[b]												
Wet (32%)	-462	-459	-301	-28	42	-20	146	248	176	-85	-278	-326
Above Normal (15%)	-512	-509	-523	-189	42	85	243	349	209	-77	-191	-306
Below Normal (17%)	-470	-493	-481	-355	-118	-152	-35	17	37	-147	-237	-302
Dry (22%)	-524	-543	-568	-515	-364	-223	-127	-7	93	-61	-233	-313
Critical (15%)	-440	-437	-518	-462	-351	-278	-212	-154	-84	-255	-215	-227

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-5-7. San Luis Reservoir (SWP and CVP), End of Month Storage

Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,317	1,508	1,705	1,876	1,998	2,039	1,841	1,525	1,343	1,219	1,006	1,167
20%	1,097	1,404	1,646	1,758	1,879	2,015	1,713	1,298	993	928	771	902
30%	998	1,289	1,577	1,670	1,809	1,917	1,602	1,255	871	716	636	799
40%	907	1,207	1,513	1,638	1,722	1,738	1,510	1,163	769	655	586	692
50%	824	1,105	1,442	1,541	1,660	1,634	1,419	1,064	649	576	535	649
60%	711	1,006	1,367	1,486	1,571	1,604	1,336	952	525	495	493	571
70%	589	851	1,173	1,400	1,453	1,550	1,271	877	438	440	424	465
80%	539	689	1,008	1,270	1,384	1,418	1,201	808	350	337	330	415
90%	381	549	868	987	1,111	1,176	939	617	280	250	240	339
Long Term												
Full Simulation Period[a]	835	1,069	1,357	1,495	1,594	1,647	1,409	1,077	729	651	590	687
Water Year Types[b]												
Wet (32%)	969	1,250	1,513	1,648	1,796	1,913	1,679	1,365	1,082	940	852	980
Above Normal (15%)	731	949	1,267	1,386	1,491	1,623	1,360	991	689	567	515	658
Below Normal (17%)	806	1,056	1,347	1,476	1,572	1,639	1,371	995	608	569	524	637
Dry (22%)	816	1,044	1,357	1,518	1,584	1,547	1,287	919	457	426	445	516
Critical (15%)	712	848	1,118	1,258	1,299	1,253	1,100	868	551	544	394	399

Alternative 4 H3 (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	969	806	1,214	1,717	1,988	2,039	2,039	1,921	1,676	1,409	1,215	1,248
20%	424	635	1,050	1,446	1,770	1,963	1,904	1,773	1,486	1,074	725	510
30%	327	552	871	1,272	1,544	1,826	1,788	1,613	1,274	936	605	446
40%	256	456	746	1,166	1,459	1,692	1,696	1,361	1,160	817	546	331
50%	210	379	622	973	1,332	1,587	1,534	1,267	1,037	672	454	281
60%	191	332	566	867	1,177	1,372	1,297	1,113	890	626	360	252
70%	147	222	506	749	1,018	1,279	1,216	989	736	505	312	215
80%	145	146	420	659	866	1,052	955	719	500	384	256	200
90%	145	145	338	464	687	780	730	530	303	226	204	196
Long Term												
Full Simulation Period[a]	351	454	742	1,044	1,308	1,485	1,441	1,248	1,008	760	554	440
Water Year Types[b]												
Wet (32%)	471	569	924	1,348	1,631	1,814	1,809	1,657	1,449	1,142	880	669
Above Normal (15%)	255	387	681	1,066	1,388	1,601	1,586	1,389	1,151	849	645	476
Below Normal (17%)	312	400	675	913	1,237	1,449	1,372	1,101	854	663	479	411
Dry (22%)	302	425	681	879	1,107	1,317	1,244	1,035	745	534	328	288
Critical (15%)	307	378	581	765	912	947	875	710	482	298	185	172

Alternative 4 H3 (LLT) minus Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-349	-702	-492	-159	-10	0	198	396	333	190	210	80
20%	-673	-769	-596	-312	-109	-52	192	475	494	146	-46	-392
30%	-671	-737	-706	-398	-265	-91	186	358	403	220	-32	-352
40%	-651	-751	-767	-471	-263	-46	186	198	391	162	-40	-361
50%	-613	-726	-820	-568	-327	-47	115	203	388	96	-81	-368
60%	-520	-675	-800	-619	-395	-232	-39	161	364	131	-133	-318
70%	-441	-629	-668	-651	-435	-271	-54	112	298	65	-112	-250
80%	-394	-543	-588	-611	-518	-365	-247	-89	150	47	-74	-215
90%	-236	-404	-530	-523	-424	-396	-209	-86	23	-24	-36	-143
Long Term												
Full Simulation Period[a]	-484	-615	-614	-450	-286	-163	32	171	279	109	-36	-247
Water Year Types[b]												
Wet (32%)	-498	-681	-590	-300	-165	-99	130	292	366	203	28	-311
Above Normal (15%)	-477	-562	-585	-320	-103	-23	226	397	462	282	130	-182
Below Normal (17%)	-494	-656	-672	-563	-335	-190	0	106	245	93	-45	-226
Dry (22%)	-514	-619	-676	-639	-477	-230	-43	116	289	108	-117	-228
Critical (15%)	-405	-470	-537	-493	-386	-306	-225	-158	-69	-246	-209	-227

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-5-8. San Luis Reservoir (SWP and CVP), End of Month Storage

Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,317	1,508	1,705	1,876	1,998	2,039	1,841	1,525	1,343	1,219	1,006	1,167
20%	1,097	1,404	1,646	1,758	1,879	2,015	1,713	1,298	993	928	771	902
30%	998	1,289	1,577	1,670	1,809	1,917	1,602	1,255	871	716	636	799
40%	907	1,207	1,513	1,638	1,722	1,738	1,510	1,163	769	655	586	692
50%	824	1,105	1,442	1,541	1,660	1,634	1,419	1,064	649	576	535	649
60%	711	1,006	1,367	1,486	1,571	1,604	1,336	952	525	495	493	571
70%	589	851	1,173	1,400	1,453	1,550	1,271	877	438	440	424	465
80%	539	689	1,008	1,270	1,384	1,418	1,201	808	350	337	330	415
90%	381	549	868	987	1,111	1,176	939	617	280	250	240	339
Long Term												
Full Simulation Period[a]	835	1,069	1,357	1,495	1,594	1,647	1,409	1,077	729	651	590	687
Water Year Types[b]												
Wet (32%)	969	1,250	1,513	1,648	1,796	1,913	1,679	1,365	1,082	940	852	980
Above Normal (15%)	731	949	1,267	1,386	1,491	1,623	1,360	991	689	567	515	658
Below Normal (17%)	806	1,056	1,347	1,476	1,572	1,639	1,371	995	608	569	524	637
Dry (22%)	816	1,044	1,357	1,518	1,584	1,547	1,287	919	457	426	445	516
Critical (15%)	712	848	1,118	1,258	1,299	1,253	1,100	868	551	544	394	399

Alternative 4 H4 (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	460	707	1,262	1,741	1,989	2,039	2,037	1,923	1,565	1,036	661	658
20%	311	573	968	1,559	1,828	1,951	1,945	1,669	1,280	832	519	347
30%	215	462	767	1,229	1,660	1,787	1,708	1,425	959	561	334	292
40%	169	355	641	1,128	1,486	1,612	1,482	1,206	809	424	267	237
50%	151	285	573	947	1,276	1,433	1,242	1,066	637	379	215	202
60%	147	222	493	804	1,074	1,272	1,165	903	501	275	145	166
70%	145	180	444	694	960	1,112	999	714	408	203	145	145
80%	145	145	386	565	862	906	756	524	278	156	145	145
90%	145	145	342	484	690	757	595	365	167	134	145	145
Long Term												
Full Simulation Period[a]	254	381	693	1,028	1,301	1,408	1,314	1,087	771	507	341	299
Water Year Types[b]												
Wet (32%)	355	515	909	1,360	1,636	1,762	1,722	1,516	1,188	836	575	465
Above Normal (15%)	158	307	631	1,081	1,429	1,607	1,515	1,273	864	479	298	226
Below Normal (17%)	216	329	625	897	1,237	1,288	1,149	854	560	382	271	289
Dry (22%)	225	338	599	829	1,066	1,189	1,045	814	495	308	197	201
Critical (15%)	218	291	509	707	872	908	823	656	433	265	178	170

Alternative 4 H4 (LLT) minus Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-857	-801	-444	-135	-9	0	197	398	222	-183	-344	-509
20%	-786	-831	-678	-199	-51	-64	232	370	287	-96	-252	-555
30%	-782	-826	-811	-441	-149	-130	106	170	88	-155	-303	-507
40%	-737	-852	-872	-510	-236	-126	-28	43	40	-231	-319	-455
50%	-673	-820	-868	-594	-383	-201	-177	2	-12	-197	-320	-447
60%	-565	-785	-873	-682	-497	-332	-170	-49	-25	-220	-348	-405
70%	-444	-671	-729	-706	-493	-438	-271	-163	-31	-237	-279	-320
80%	-394	-544	-621	-705	-522	-512	-445	-283	-72	-181	-185	-270
90%	-236	-404	-526	-503	-421	-419	-344	-252	-112	-116	-95	-194
Long Term												
Full Simulation Period[a]	-581	-688	-664	-467	-293	-239	-95	11	42	-144	-249	-389
Water Year Types[b]												
Wet (32%)	-614	-736	-604	-288	-160	-151	43	150	106	-104	-277	-515
Above Normal (15%)	-573	-642	-636	-305	-63	-16	155	281	176	-88	-217	-432
Below Normal (17%)	-590	-727	-723	-579	-335	-351	-222	-141	-48	-187	-253	-348
Dry (22%)	-591	-706	-758	-688	-518	-358	-242	-105	39	-118	-248	-315
Critical (15%)	-494	-556	-609	-552	-427	-345	-277	-212	-118	-279	-216	-229

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-5-9. San Luis Reservoir (SWP and CVP), End of Month Storage

Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,317	1,508	1,705	1,876	1,998	2,039	1,841	1,525	1,343	1,219	1,006	1,167
20%	1,097	1,404	1,646	1,758	1,879	2,015	1,713	1,298	993	928	771	902
30%	998	1,289	1,577	1,670	1,809	1,917	1,602	1,255	871	716	636	799
40%	907	1,207	1,513	1,638	1,722	1,738	1,510	1,163	769	655	586	692
50%	824	1,105	1,442	1,541	1,660	1,634	1,419	1,064	649	576	535	649
60%	711	1,006	1,367	1,486	1,571	1,604	1,336	952	525	495	493	571
70%	589	851	1,173	1,400	1,453	1,550	1,271	877	438	440	424	465
80%	539	689	1,008	1,270	1,384	1,418	1,201	808	350	337	330	415
90%	381	549	868	987	1,111	1,176	939	617	280	250	240	339
Long Term												
Full Simulation Period[a]	835	1,069	1,357	1,495	1,594	1,647	1,409	1,077	729	651	590	687
Water Year Types[b]												
Wet (32%)	969	1,250	1,513	1,648	1,796	1,913	1,679	1,365	1,082	940	852	980
Above Normal (15%)	731	949	1,267	1,386	1,491	1,623	1,360	991	689	567	515	658
Below Normal (17%)	806	1,056	1,347	1,476	1,572	1,639	1,371	995	608	569	524	637
Dry (22%)	816	1,044	1,357	1,518	1,584	1,547	1,287	919	457	426	445	516
Critical (15%)	712	848	1,118	1,258	1,299	1,253	1,100	868	551	544	394	399

Alternative 5 (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	850	1,001	1,451	1,839	2,034	2,039	1,867	1,615	1,420	1,282	969	853
20%	643	774	1,167	1,454	1,781	1,955	1,796	1,479	1,240	1,050	816	627
30%	494	666	957	1,253	1,506	1,827	1,657	1,391	1,055	963	709	550
40%	414	590	905	1,149	1,424	1,725	1,577	1,317	1,019	837	599	464
50%	370	504	789	1,050	1,349	1,615	1,492	1,227	935	781	551	422
60%	276	378	700	971	1,243	1,385	1,263	1,058	833	658	508	290
70%	251	278	647	928	1,135	1,298	1,208	967	631	560	459	237
80%	184	150	551	842	1,036	1,184	1,101	840	513	460	399	200
90%	145	145	422	721	916	1,031	961	714	398	324	290	198
Long Term												
Full Simulation Period[a]	438	539	871	1,156	1,376	1,540	1,425	1,183	913	785	622	474
Water Year Types[b]												
Wet (32%)	531	640	991	1,345	1,605	1,823	1,697	1,456	1,230	1,039	838	601
Above Normal (15%)	311	448	757	1,090	1,324	1,536	1,400	1,122	828	651	594	367
Below Normal (17%)	446	533	861	1,120	1,334	1,517	1,373	1,068	777	744	631	535
Dry (22%)	387	488	869	1,122	1,312	1,445	1,353	1,135	824	767	544	466
Critical (15%)	430	495	740	908	1,075	1,104	1,028	858	607	447	291	248

Alternative 5 (LLT) minus Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-467	-507	-254	-37	37	0	26	90	77	63	-37	-314
20%	-453	-631	-480	-304	-98	-60	83	181	247	122	45	-275
30%	-504	-623	-620	-417	-303	-90	55	136	184	247	73	-249
40%	-492	-617	-607	-489	-298	-13	67	154	250	182	12	-228
50%	-454	-601	-652	-491	-310	-19	73	163	286	205	16	-228
60%	-436	-629	-667	-515	-328	-219	-73	106	307	163	16	-281
70%	-338	-573	-527	-472	-318	-252	-62	90	193	120	35	-228
80%	-355	-539	-457	-428	-348	-233	-100	32	163	123	69	-215
90%	-236	-404	-446	-266	-195	-145	22	97	118	74	50	-142
Long Term												
Full Simulation Period[a]	-397	-530	-485	-338	-218	-107	16	106	185	134	32	-213
Water Year Types[b]												
Wet (32%)	-438	-610	-522	-303	-191	-91	19	91	147	99	-14	-378
Above Normal (15%)	-420	-501	-510	-296	-167	-87	40	131	140	84	79	-291
Below Normal (17%)	-360	-523	-486	-357	-238	-122	2	73	169	175	107	-103
Dry (22%)	-430	-557	-488	-396	-272	-102	65	216	367	340	99	-50
Critical (15%)	-282	-352	-378	-350	-223	-149	-72	-10	56	-97	-102	-151

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-5-10. San Luis Reservoir (SWP and CVP), End of Month Storage

Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,317	1,508	1,705	1,876	1,998	2,039	1,841	1,525	1,343	1,219	1,006	1,167
20%	1,097	1,404	1,646	1,758	1,879	2,015	1,713	1,298	993	928	771	902
30%	998	1,289	1,577	1,670	1,809	1,917	1,602	1,255	871	716	636	799
40%	907	1,207	1,513	1,638	1,722	1,738	1,510	1,163	769	655	586	692
50%	824	1,105	1,442	1,541	1,660	1,634	1,419	1,064	649	576	535	649
60%	711	1,006	1,367	1,486	1,571	1,604	1,336	952	525	495	493	571
70%	589	851	1,173	1,400	1,453	1,550	1,271	877	438	440	424	465
80%	539	689	1,008	1,270	1,384	1,418	1,201	808	350	337	330	415
90%	381	549	868	987	1,111	1,176	939	617	280	250	240	339
Long Term												
Full Simulation Period[a]	835	1,069	1,357	1,495	1,594	1,647	1,409	1,077	729	651	590	687
Water Year Types[b]												
Wet (32%)	969	1,250	1,513	1,648	1,796	1,913	1,679	1,365	1,082	940	852	980
Above Normal (15%)	731	949	1,267	1,386	1,491	1,623	1,360	991	689	567	515	658
Below Normal (17%)	806	1,056	1,347	1,476	1,572	1,639	1,371	995	608	569	524	637
Dry (22%)	816	1,044	1,357	1,518	1,584	1,547	1,287	919	457	426	445	516
Critical (15%)	712	848	1,118	1,258	1,299	1,253	1,100	868	551	544	394	399

Alternative 6A,6B,6C (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	331	499	818	1,481	1,823	2,016	1,950	1,987	1,669	1,328	872	685
20%	208	341	477	1,094	1,513	1,780	1,879	1,781	1,281	976	432	202
30%	200	251	290	847	1,308	1,671	1,754	1,457	1,025	657	323	200
40%	200	201	234	509	1,142	1,431	1,338	1,184	768	526	284	200
50%	177	200	169	377	656	1,141	926	708	382	352	233	200
60%	166	182	151	228	467	662	642	376	180	215	200	200
70%	145	145	130	180	295	427	334	208	100	200	200	200
80%	145	145	117	130	174	188	145	88	78	200	200	200
90%	118	145	109	100	108	109	76	53	70	200	200	200
Long Term												
Full Simulation Period[a]	243	282	321	591	860	1,039	1,025	894	672	560	384	304
Water Year Types[b]												
Wet (32%)	321	399	562	1,089	1,519	1,767	1,807	1,722	1,379	1,035	669	488
Above Normal (15%)	158	223	275	717	1,178	1,499	1,511	1,301	951	721	436	343
Below Normal (17%)	226	239	205	324	585	757	708	491	301	319	237	196
Dry (22%)	227	250	211	267	360	467	411	278	148	212	200	200
Critical (15%)	205	186	146	180	185	186	137	89	83	171	162	152

Alternative 6A,6B,6C (LLT) minus Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-986	-1,009	-888	-395	-174	-23	109	462	326	109	-134	-482
20%	-889	-1,063	-1,169	-664	-366	-235	166	483	288	48	-340	-700
30%	-798	-1,038	-1,287	-823	-501	-245	153	203	154	-58	-313	-599
40%	-707	-1,006	-1,279	-1,129	-580	-307	-172	21	-1	-129	-302	-492
50%	-647	-905	-1,272	-1,164	-1,004	-493	-493	-356	-267	-224	-302	-449
60%	-546	-824	-1,216	-1,258	-1,105	-943	-694	-576	-345	-280	-293	-371
70%	-444	-706	-1,043	-1,220	-1,157	-1,123	-936	-669	-338	-240	-224	-265
80%	-394	-544	-891	-1,140	-1,210	-1,230	-1,056	-719	-272	-137	-130	-215
90%	-263	-404	-760	-887	-1,003	-1,067	-863	-564	-210	-50	-40	-139
Long Term												
Full Simulation Period[a]	-592	-787	-1,036	-904	-734	-608	-384	-182	-56	-92	-206	-383
Water Year Types[b]												
Wet (32%)	-648	-852	-951	-559	-277	-146	128	357	296	95	-183	-492
Above Normal (15%)	-573	-726	-992	-669	-313	-124	151	309	262	154	-79	-315
Below Normal (17%)	-580	-817	-1,142	-1,152	-987	-882	-663	-505	-307	-250	-287	-441
Dry (22%)	-590	-794	-1,147	-1,250	-1,224	-1,080	-877	-641	-309	-214	-245	-316
Critical (15%)	-508	-661	-973	-1,078	-1,114	-1,067	-963	-779	-468	-373	-232	-247

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-5-11. San Luis Reservoir (SWP and CVP), End of Month Storage

Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,317	1,508	1,705	1,876	1,998	2,039	1,841	1,525	1,343	1,219	1,006	1,167
20%	1,097	1,404	1,646	1,758	1,879	2,015	1,713	1,298	993	928	771	902
30%	998	1,289	1,577	1,670	1,809	1,917	1,602	1,255	871	716	636	799
40%	907	1,207	1,513	1,638	1,722	1,738	1,510	1,163	769	655	586	692
50%	824	1,105	1,442	1,541	1,660	1,634	1,419	1,064	649	576	535	649
60%	711	1,006	1,367	1,486	1,571	1,604	1,336	952	525	495	493	571
70%	589	851	1,173	1,400	1,453	1,550	1,271	877	438	440	424	465
80%	539	689	1,008	1,270	1,384	1,418	1,201	808	350	337	330	415
90%	381	549	868	987	1,111	1,176	939	617	280	250	240	339
Long Term												
Full Simulation Period[a]	835	1,069	1,357	1,495	1,594	1,647	1,409	1,077	729	651	590	687
Water Year Types[b]												
Wet (32%)	969	1,250	1,513	1,648	1,796	1,913	1,679	1,365	1,082	940	852	980
Above Normal (15%)	731	949	1,267	1,386	1,491	1,623	1,360	991	689	567	515	658
Below Normal (17%)	806	1,056	1,347	1,476	1,572	1,639	1,371	995	608	569	524	637
Dry (22%)	816	1,044	1,357	1,518	1,584	1,547	1,287	919	457	426	445	516
Critical (15%)	712	848	1,118	1,258	1,299	1,253	1,100	868	551	544	394	399

Alternative 7 (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	393	441	629	1,112	1,555	1,885	1,780	1,621	1,293	991	601	421
20%	320	351	386	782	1,176	1,625	1,671	1,385	1,043	742	516	363
30%	268	316	326	644	1,073	1,413	1,428	1,175	825	659	422	318
40%	224	249	246	546	811	991	981	725	454	361	321	281
50%	202	219	197	377	612	742	617	438	251	273	281	240
60%	199	180	151	254	435	575	460	254	100	235	258	215
70%	173	149	134	193	330	410	341	167	100	200	224	200
80%	145	145	118	159	191	206	122	69	72	200	201	200
90%	145	145	103	100	120	129	65	53	64	185	200	200
Long Term												
Full Simulation Period[a]	264	278	300	516	741	906	851	688	499	459	382	318
Water Year Types[b]												
Wet (32%)	327	341	453	860	1,221	1,526	1,517	1,338	1,023	824	627	438
Above Normal (15%)	206	246	275	643	1,000	1,247	1,204	968	643	489	381	234
Below Normal (17%)	220	240	211	314	557	683	571	356	224	289	278	267
Dry (22%)	254	261	227	277	348	407	324	193	119	232	220	275
Critical (15%)	250	245	210	240	245	235	173	128	112	176	218	263

Alternative 7 (LLT) minus Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-924	-1,067	-1,076	-764	-443	-154	-61	96	-50	-228	-405	-746
20%	-777	-1,053	-1,261	-976	-704	-390	-41	87	50	-186	-255	-539
30%	-729	-973	-1,252	-1,026	-736	-504	-173	-80	-46	-56	-214	-481
40%	-683	-959	-1,266	-1,092	-911	-747	-529	-438	-315	-294	-265	-411
50%	-621	-886	-1,244	-1,164	-1,047	-892	-802	-626	-398	-303	-254	-410
60%	-512	-826	-1,216	-1,232	-1,136	-1,029	-875	-698	-425	-259	-235	-356
70%	-416	-702	-1,040	-1,207	-1,123	-1,140	-929	-710	-338	-240	-200	-265
80%	-394	-544	-889	-1,111	-1,193	-1,212	-1,079	-739	-278	-137	-129	-215
90%	-236	-404	-765	-887	-991	-1,046	-874	-564	-216	-65	-40	-139
Long Term												
Full Simulation Period[a]	-571	-791	-1,056	-978	-853	-741	-558	-389	-230	-192	-208	-370
Water Year Types[b]												
Wet (32%)	-642	-910	-1,060	-788	-575	-388	-162	-28	-60	-116	-225	-541
Above Normal (15%)	-525	-703	-992	-743	-491	-377	-156	-23	-46	-78	-134	-424
Below Normal (17%)	-586	-817	-1,136	-1,162	-1,015	-957	-800	-640	-385	-280	-246	-370
Dry (22%)	-562	-784	-1,131	-1,241	-1,236	-1,140	-963	-725	-338	-194	-225	-241
Critical (15%)	-462	-603	-908	-1,019	-1,054	-1,018	-927	-740	-439	-368	-175	-136

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-5-12. San Luis Reservoir (SWP and CVP), End of Month Storage

Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,317	1,508	1,705	1,876	1,998	2,039	1,841	1,525	1,343	1,219	1,006	1,167
20%	1,097	1,404	1,646	1,758	1,879	2,015	1,713	1,298	993	928	771	902
30%	998	1,289	1,577	1,670	1,809	1,917	1,602	1,255	871	716	636	799
40%	907	1,207	1,513	1,638	1,722	1,738	1,510	1,163	769	655	586	692
50%	824	1,105	1,442	1,541	1,660	1,634	1,419	1,064	649	576	535	649
60%	711	1,006	1,367	1,486	1,571	1,604	1,336	952	525	495	493	571
70%	589	851	1,173	1,400	1,453	1,550	1,271	877	438	440	424	465
80%	539	689	1,008	1,270	1,384	1,418	1,201	808	350	337	330	415
90%	381	549	868	987	1,111	1,176	939	617	280	250	240	339
Long Term												
Full Simulation Period[a]	835	1,069	1,357	1,495	1,594	1,647	1,409	1,077	729	651	590	687
Water Year Types[b]												
Wet (32%)	969	1,250	1,513	1,648	1,796	1,913	1,679	1,365	1,082	940	852	980
Above Normal (15%)	731	949	1,267	1,386	1,491	1,623	1,360	991	689	567	515	658
Below Normal (17%)	806	1,056	1,347	1,476	1,572	1,639	1,371	995	608	569	524	637
Dry (22%)	816	1,044	1,357	1,518	1,584	1,547	1,287	919	457	426	445	516
Critical (15%)	712	848	1,118	1,258	1,299	1,253	1,100	868	551	544	394	399

Alternative 8 (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	184	226	489	1,003	1,490	1,835	1,853	1,799	1,372	864	496	242
20%	108	138	178	736	1,154	1,617	1,727	1,612	1,278	680	356	193
30%	100	100	119	587	1,067	1,513	1,486	1,457	1,045	438	261	145
40%	100	100	104	442	763	1,107	1,256	1,149	798	323	143	124
50%	100	100	100	268	519	833	905	868	506	228	123	106
60%	100	100	100	161	401	539	679	558	351	109	100	100
70%	100	100	100	123	335	411	387	250	114	100	100	100
80%	100	100	100	100	160	229	158	107	70	100	100	100
90%	100	100	100	100	100	100	77	53	61	100	100	100
Long Term												
Full Simulation Period[a]	137	150	198	441	705	924	961	884	654	370	235	168
Water Year Types[b]												
Wet (32%)	176	186	300	759	1,186	1,550	1,608	1,538	1,210	696	411	202
Above Normal (15%)	130	186	233	612	990	1,272	1,364	1,283	865	351	174	123
Below Normal (17%)	125	130	158	295	556	788	863	793	534	310	220	247
Dry (22%)	122	124	123	184	311	425	418	298	197	138	116	129
Critical (15%)	98	99	100	133	138	129	86	57	64	101	109	108

Alternative 8 (LLT) minus Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-1,133	-1,282	-1,217	-873	-508	-204	12	274	29	-355	-509	-926
20%	-989	-1,266	-1,468	-1,022	-726	-398	15	313	286	-248	-416	-709
30%	-898	-1,188	-1,459	-1,083	-742	-403	-116	203	174	-278	-375	-654
40%	-807	-1,107	-1,409	-1,196	-958	-630	-255	-15	29	-332	-443	-568
50%	-724	-1,005	-1,342	-1,273	-1,140	-801	-514	-196	-143	-348	-413	-543
60%	-611	-906	-1,267	-1,325	-1,171	-1,065	-656	-395	-175	-385	-393	-471
70%	-489	-751	-1,073	-1,277	-1,118	-1,138	-884	-627	-324	-340	-324	-365
80%	-439	-589	-908	-1,170	-1,224	-1,189	-1,043	-700	-280	-237	-230	-315
90%	-281	-449	-768	-887	-1,011	-1,076	-862	-564	-218	-150	-140	-239
Long Term												
Full Simulation Period[a]	-698	-919	-1,159	-1,054	-889	-723	-448	-192	-75	-281	-355	-519
Water Year Types[b]												
Wet (32%)	-793	-1,065	-1,213	-888	-610	-364	-71	173	127	-244	-441	-777
Above Normal (15%)	-601	-763	-1,034	-774	-501	-351	4	291	177	-216	-341	-535
Below Normal (17%)	-681	-926	-1,190	-1,181	-1,016	-851	-508	-203	-74	-259	-304	-390
Dry (22%)	-695	-921	-1,235	-1,333	-1,273	-1,122	-870	-621	-260	-288	-329	-387
Critical (15%)	-614	-749	-1,018	-1,126	-1,161	-1,124	-1,014	-811	-487	-443	-285	-291

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-5-13. San Luis Reservoir (SWP and CVP), End of Month Storage

Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,317	1,508	1,705	1,876	1,998	2,039	1,841	1,525	1,343	1,219	1,006	1,167
20%	1,097	1,404	1,646	1,758	1,879	2,015	1,713	1,298	993	928	771	902
30%	998	1,289	1,577	1,670	1,809	1,917	1,602	1,255	871	716	636	799
40%	907	1,207	1,513	1,638	1,722	1,738	1,510	1,163	769	655	586	692
50%	824	1,105	1,442	1,541	1,660	1,634	1,419	1,064	649	576	535	649
60%	711	1,006	1,367	1,486	1,571	1,604	1,336	952	525	495	493	571
70%	589	851	1,173	1,400	1,453	1,550	1,271	877	438	440	424	465
80%	539	689	1,008	1,270	1,384	1,418	1,201	808	350	337	330	415
90%	381	549	868	987	1,111	1,176	939	617	280	250	240	339
Long Term												
Full Simulation Period[a]	835	1,069	1,357	1,495	1,594	1,647	1,409	1,077	729	651	590	687
Water Year Types[b]												
Wet (32%)	969	1,250	1,513	1,648	1,796	1,913	1,679	1,365	1,082	940	852	980
Above Normal (15%)	731	949	1,267	1,386	1,491	1,623	1,360	991	689	567	515	658
Below Normal (17%)	806	1,056	1,347	1,476	1,572	1,639	1,371	995	608	569	524	637
Dry (22%)	816	1,044	1,357	1,518	1,584	1,547	1,287	919	457	426	445	516
Critical (15%)	712	848	1,118	1,258	1,299	1,253	1,100	868	551	544	394	399

Alternative 9 (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	920	1,194	1,539	1,743	1,892	1,898	1,757	1,572	1,198	975	819	850
20%	714	940	1,330	1,590	1,751	1,758	1,578	1,343	988	806	614	636
30%	532	818	1,132	1,350	1,497	1,579	1,440	1,157	778	664	489	557
40%	468	699	1,014	1,218	1,341	1,393	1,255	988	667	517	452	438
50%	412	566	880	1,012	1,176	1,165	1,042	850	493	421	345	368
60%	342	469	771	920	1,005	1,048	955	684	457	333	285	317
70%	275	394	652	831	899	951	838	608	345	290	235	237
80%	202	355	606	735	780	815	710	525	272	197	160	214
90%	149	304	508	634	641	702	604	413	204	133	100	172
Long Term												
Full Simulation Period[a]	473	666	956	1,125	1,226	1,261	1,139	927	625	515	425	446
Water Year Types[b]												
Wet (32%)	518	724	950	1,101	1,251	1,357	1,235	1,046	730	530	435	453
Above Normal (15%)	412	632	958	1,102	1,138	1,120	977	741	416	319	282	330
Below Normal (17%)	354	578	870	1,029	1,130	1,167	1,057	808	493	428	402	480
Dry (22%)	502	648	1,005	1,184	1,256	1,253	1,126	912	631	617	519	505
Critical (15%)	536	703	993	1,223	1,330	1,317	1,210	1,019	749	624	430	414

Alternative 9 (LLT) minus Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-397	-314	-166	-132	-105	-141	-83	47	-145	-244	-187	-317
20%	-383	-464	-316	-168	-129	-257	-135	45	-5	-121	-157	-266
30%	-466	-470	-445	-320	-312	-338	-162	-97	-94	-52	-147	-242
40%	-438	-508	-499	-420	-381	-345	-256	-175	-102	-137	-134	-254
50%	-412	-540	-562	-529	-484	-469	-377	-214	-156	-155	-191	-281
60%	-370	-537	-595	-565	-566	-556	-381	-268	-68	-161	-207	-253
70%	-314	-457	-521	-569	-554	-599	-432	-269	-94	-150	-189	-228
80%	-337	-334	-402	-535	-604	-603	-492	-283	-77	-140	-170	-201
90%	-232	-245	-361	-353	-470	-474	-335	-204	-75	-117	-140	-168
Long Term												
Full Simulation Period[a]	-362	-403	-401	-370	-368	-386	-270	-149	-104	-137	-166	-242
Water Year Types[b]												
Wet (32%)	-451	-526	-563	-547	-545	-557	-444	-320	-353	-410	-416	-526
Above Normal (15%)	-319	-317	-309	-284	-354	-503	-383	-250	-273	-248	-233	-328
Below Normal (17%)	-452	-478	-477	-447	-443	-473	-314	-188	-115	-141	-122	-157
Dry (22%)	-315	-396	-352	-334	-328	-294	-162	-7	175	191	74	-11
Critical (15%)	-176	-145	-126	-36	31	64	110	151	198	80	36	15

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-5-14. San Luis Reservoir (SWP and CVP), End of Month Storage

No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	740	1,070	1,404	1,702	1,960	2,039	1,740	1,410	1,015	824	723	724
20%	647	851	1,220	1,498	1,666	1,856	1,600	1,236	854	725	598	675
30%	589	735	1,070	1,377	1,544	1,709	1,478	1,108	762	647	543	583
40%	505	659	975	1,228	1,452	1,636	1,386	1,067	700	553	496	537
50%	444	567	899	1,174	1,338	1,526	1,321	977	609	478	429	481
60%	394	477	812	1,055	1,266	1,423	1,232	906	544	391	387	416
70%	360	433	746	962	1,159	1,273	1,095	831	468	347	306	378
80%	301	372	641	889	1,066	1,160	977	724	363	275	279	326
90%	217	320	536	736	944	993	866	534	225	186	180	258
Long Term												
Full Simulation Period[a]	481	626	939	1,191	1,377	1,496	1,296	995	648	523	458	497
Water Year Types[b]												
Wet (32%)	557	729	1,045	1,300	1,539	1,747	1,520	1,200	867	646	583	608
Above Normal (15%)	406	574	935	1,217	1,421	1,574	1,317	943	561	340	357	474
Below Normal (17%)	465	610	937	1,156	1,329	1,460	1,246	912	533	460	411	514
Dry (22%)	445	566	915	1,183	1,315	1,356	1,188	916	537	550	477	458
Critical (15%)	461	566	750	979	1,127	1,125	1,010	820	562	472	317	320

Alternative 1A,1B,1C (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,338	1,595	1,858	2,039	2,039	2,039	2,039	2,039	1,942	1,587	1,401	1,458
20%	734	1,164	1,619	1,970	2,039	2,039	2,039	2,039	1,690	1,163	800	861
30%	678	902	1,437	1,811	2,022	2,039	2,039	2,012	1,598	1,079	675	678
40%	592	795	1,256	1,687	1,943	2,034	2,039	1,892	1,515	985	628	589
50%	533	740	1,152	1,458	1,809	1,974	2,000	1,799	1,437	908	545	522
60%	479	663	1,025	1,278	1,688	1,864	1,907	1,713	1,373	837	505	451
70%	351	614	901	1,172	1,603	1,770	1,736	1,507	1,049	763	438	370
80%	313	466	796	1,087	1,356	1,535	1,510	1,298	929	640	354	286
90%	245	319	602	860	1,056	1,293	1,247	1,113	746	482	276	208
Long Term												
Full Simulation Period[a]	639	843	1,186	1,462	1,684	1,786	1,781	1,657	1,343	951	658	630
Water Year Types[b]												
Wet (32%)	777	1,061	1,461	1,802	1,968	2,024	2,029	1,977	1,716	1,269	951	971
Above Normal (15%)	465	664	992	1,425	1,754	1,948	1,972	1,901	1,622	1,123	797	784
Below Normal (17%)	708	915	1,226	1,495	1,765	1,862	1,869	1,717	1,351	942	603	540
Dry (22%)	592	773	1,121	1,317	1,551	1,702	1,683	1,475	1,066	726	440	373
Critical (15%)	500	571	835	938	1,101	1,149	1,092	920	660	439	273	228

Alternative 1A,1B,1C (LLT) minus No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	598	525	454	337	79	0	299	629	927	764	678	735
20%	87	314	400	473	373	183	439	803	836	438	201	186
30%	90	167	367	434	478	330	561	904	837	431	132	95
40%	86	136	281	460	491	398	653	826	815	432	132	52
50%	90	173	253	284	471	448	679	823	829	430	116	41
60%	85	186	213	223	421	442	675	807	829	446	118	34
70%	-9	181	155	209	444	497	641	676	580	415	131	-8
80%	13	94	155	198	290	375	534	574	566	366	75	-40
90%	28	-1	65	124	112	300	380	579	522	296	96	-50
Long Term												
Full Simulation Period[a]	158	217	247	271	307	290	485	661	695	428	199	133
Water Year Types[b]												
Wet (32%)	220	332	416	503	429	276	510	776	850	623	368	363
Above Normal (15%)	59	90	57	208	333	373	655	958	1,061	783	440	311
Below Normal (17%)	242	305	289	339	436	402	623	805	819	483	192	26
Dry (22%)	147	207	206	134	236	346	496	560	529	176	-37	-84
Critical (15%)	39	6	85	-41	-27	24	82	101	98	-33	-44	-92

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-5-15. San Luis Reservoir (SWP and CVP), End of Month Storage

No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	740	1,070	1,404	1,702	1,960	2,039	1,740	1,410	1,015	824	723	724
20%	647	851	1,220	1,498	1,666	1,856	1,600	1,236	854	725	598	675
30%	589	735	1,070	1,377	1,544	1,709	1,478	1,108	762	647	543	583
40%	505	659	975	1,228	1,452	1,636	1,386	1,067	700	553	496	537
50%	444	567	899	1,174	1,338	1,526	1,321	977	609	478	429	481
60%	394	477	812	1,055	1,266	1,423	1,232	906	544	391	387	416
70%	360	433	746	962	1,159	1,273	1,095	831	468	347	306	378
80%	301	372	641	889	1,066	1,160	977	724	363	275	279	326
90%	217	320	536	736	944	993	866	534	225	186	180	258
Long Term												
Full Simulation Period[a]	481	626	939	1,191	1,377	1,496	1,296	995	648	523	458	497
Water Year Types[b]												
Wet (32%)	557	729	1,045	1,300	1,539	1,747	1,520	1,200	867	646	583	608
Above Normal (15%)	406	574	935	1,217	1,421	1,574	1,317	943	561	340	357	474
Below Normal (17%)	465	610	937	1,156	1,329	1,460	1,246	912	533	460	411	514
Dry (22%)	445	566	915	1,183	1,315	1,356	1,188	916	537	550	477	458
Critical (15%)	461	566	750	979	1,127	1,125	1,010	820	562	472	317	320

Alternative 2A,2B,2C (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,013	847	1,385	1,759	1,991	2,039	2,039	2,039	1,860	1,635	1,414	1,268
20%	534	717	1,097	1,556	1,815	2,031	2,027	1,987	1,693	1,209	832	657
30%	361	581	946	1,375	1,667	1,865	1,896	1,733	1,485	1,034	695	478
40%	297	497	803	1,216	1,520	1,751	1,759	1,594	1,261	886	539	384
50%	228	431	705	1,023	1,449	1,683	1,665	1,342	1,194	761	478	306
60%	200	358	592	926	1,315	1,561	1,498	1,229	970	670	385	266
70%	152	232	537	833	1,127	1,397	1,295	1,067	766	577	312	217
80%	145	146	421	619	938	1,123	1,115	899	567	417	259	200
90%	145	145	350	461	691	764	767	551	357	228	204	187
Long Term												
Full Simulation Period[a]	384	485	787	1,102	1,376	1,559	1,518	1,351	1,126	841	604	480
Water Year Types[b]												
Wet (32%)	495	607	975	1,432	1,713	1,894	1,897	1,810	1,627	1,253	959	746
Above Normal (15%)	249	388	690	1,105	1,448	1,719	1,705	1,534	1,375	1,024	746	557
Below Normal (17%)	426	483	786	1,031	1,380	1,549	1,460	1,202	953	726	516	430
Dry (22%)	332	447	717	920	1,171	1,405	1,336	1,128	812	575	342	293
Critical (15%)	306	377	582	737	876	916	847	681	462	301	185	165

Alternative 2A,2B,2C (LLT) minus No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	272	-223	-19	56	31	0	299	629	844	812	690	544
20%	-113	-133	-122	58	149	175	427	751	839	484	234	-18
30%	-228	-155	-124	-1	123	156	417	624	724	387	152	-105
40%	-208	-162	-172	-12	68	115	373	527	561	333	44	-154
50%	-215	-136	-194	-150	111	157	344	365	585	283	48	-176
60%	-194	-119	-220	-129	49	138	266	323	426	279	-2	-151
70%	-208	-201	-208	-129	-32	124	200	236	297	230	6	-161
80%	-156	-226	-220	-270	-128	-37	138	175	205	142	-20	-126
90%	-72	-175	-187	-275	-253	-230	-99	17	132	42	25	-70
Long Term												
Full Simulation Period[a]	-97	-141	-152	-89	-1	63	222	356	478	318	145	-17
Water Year Types[b]												
Wet (32%)	-62	-122	-70	132	173	147	378	609	761	607	376	138
Above Normal (15%)	-157	-186	-245	-112	26	145	388	591	814	684	389	83
Below Normal (17%)	-39	-127	-151	-126	51	89	214	290	420	266	105	-84
Dry (22%)	-113	-119	-198	-263	-144	49	148	213	276	25	-135	-164
Critical (15%)	-155	-189	-168	-242	-251	-209	-163	-138	-100	-172	-132	-155

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-5-16. San Luis Reservoir (SWP and CVP), End of Month Storage

No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	740	1,070	1,404	1,702	1,960	2,039	1,740	1,410	1,015	824	723	724
20%	647	851	1,220	1,498	1,666	1,856	1,600	1,236	854	725	598	675
30%	589	735	1,070	1,377	1,544	1,709	1,478	1,108	762	647	543	583
40%	505	659	975	1,228	1,452	1,636	1,386	1,067	700	553	496	537
50%	444	567	899	1,174	1,338	1,526	1,321	977	609	478	429	481
60%	394	477	812	1,055	1,266	1,423	1,232	906	544	391	387	416
70%	360	433	746	962	1,159	1,273	1,095	831	468	347	306	378
80%	301	372	641	889	1,066	1,160	977	724	363	275	279	326
90%	217	320	536	736	944	993	866	534	225	186	180	258
Long Term												
Full Simulation Period[a]	481	626	939	1,191	1,377	1,496	1,296	995	648	523	458	497
Water Year Types[b]												
Wet (32%)	557	729	1,045	1,300	1,539	1,747	1,520	1,200	867	646	583	608
Above Normal (15%)	406	574	935	1,217	1,421	1,574	1,317	943	561	340	357	474
Below Normal (17%)	465	610	937	1,156	1,329	1,460	1,246	912	533	460	411	514
Dry (22%)	445	566	915	1,183	1,315	1,356	1,188	916	537	550	477	458
Critical (15%)	461	566	750	979	1,127	1,125	1,010	820	562	472	317	320

Alternative 3 (LLT)

	End of Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1,332	1,630	1,858	2,039	2,039	2,039	2,039	2,039	1,882	1,558	1,413	1,456
20%	770	1,154	1,577	1,924	2,039	2,039	2,039	2,024	1,645	1,127	792	858
30%	674	949	1,408	1,785	1,978	2,039	2,039	1,910	1,558	1,054	689	678
40%	603	800	1,214	1,632	1,896	2,018	2,000	1,826	1,454	969	631	570
50%	522	753	1,141	1,420	1,717	1,914	1,907	1,740	1,393	898	553	508
60%	452	669	1,045	1,235	1,549	1,789	1,805	1,638	1,235	831	499	478
70%	343	599	947	1,131	1,467	1,715	1,699	1,468	1,002	742	424	362
80%	301	489	756	1,022	1,300	1,475	1,494	1,246	888	647	355	269
90%	233	318	611	815	1,044	1,164	1,128	1,069	636	445	266	211
Long Term												
Full Simulation Period[a]	630	840	1,173	1,433	1,637	1,752	1,747	1,618	1,288	929	649	628
Water Year Types[b]												
Wet (32%)	761	1,040	1,412	1,736	1,922	2,003	2,016	1,946	1,671	1,241	927	961
Above Normal (15%)	474	683	993	1,367	1,650	1,881	1,935	1,855	1,544	1,086	769	775
Below Normal (17%)	709	920	1,232	1,505	1,746	1,851	1,844	1,670	1,265	920	627	553
Dry (22%)	587	788	1,141	1,329	1,521	1,660	1,627	1,440	1,025	710	433	370
Critical (15%)	475	548	813	912	1,052	1,101	1,043	875	619	437	278	236

Alternative 3 (LLT) minus No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	591	560	454	337	79	0	299	629	867	734	690	732
20%	123	304	358	427	373	183	439	789	791	402	194	183
30%	86	213	338	408	434	330	561	802	797	407	145	95
40%	98	141	239	404	444	382	614	759	754	416	135	32
50%	79	186	241	247	379	388	586	763	784	420	124	27
60%	58	192	234	180	283	366	573	733	691	440	112	62
70%	-18	165	201	168	307	442	604	637	533	394	118	-16
80%	1	117	116	133	234	315	518	522	526	372	76	-57
90%	16	-2	75	79	99	171	262	535	411	259	86	-47
Long Term												
Full Simulation Period[a]	149	213	234	242	260	256	451	622	640	406	191	131
Water Year Types[b]												
Wet (32%)	204	311	367	436	383	255	496	745	805	595	344	353
Above Normal (15%)	68	109	59	150	228	306	619	912	983	745	412	302
Below Normal (17%)	244	310	295	349	417	391	598	758	732	460	216	39
Dry (22%)	142	222	226	146	207	305	439	525	489	159	-44	-88
Critical (15%)	14	-18	64	-67	-75	-24	33	55	57	-35	-39	-84

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-5-17. San Luis Reservoir (SWP and CVP), End of Month Storage

No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	740	1,070	1,404	1,702	1,960	2,039	1,740	1,410	1,015	824	723	724
20%	647	851	1,220	1,498	1,666	1,856	1,600	1,236	854	725	598	675
30%	589	735	1,070	1,377	1,544	1,709	1,478	1,108	762	647	543	583
40%	505	659	975	1,228	1,452	1,636	1,386	1,067	700	553	496	537
50%	444	567	899	1,174	1,338	1,526	1,321	977	609	478	429	481
60%	394	477	812	1,055	1,266	1,423	1,232	906	544	391	387	416
70%	360	433	746	962	1,159	1,273	1,095	831	468	347	306	378
80%	301	372	641	889	1,066	1,160	977	724	363	275	279	326
90%	217	320	536	736	944	993	866	534	225	186	180	258
Long Term												
Full Simulation Period[a]	481	626	939	1,191	1,377	1,496	1,296	995	648	523	458	497
Water Year Types[b]												
Wet (32%)	557	729	1,045	1,300	1,539	1,747	1,520	1,200	867	646	583	608
Above Normal (15%)	406	574	935	1,217	1,421	1,574	1,317	943	561	340	357	474
Below Normal (17%)	465	610	937	1,156	1,329	1,460	1,246	912	533	460	411	514
Dry (22%)	445	566	915	1,183	1,315	1,356	1,188	916	537	550	477	458
Critical (15%)	461	566	750	979	1,127	1,125	1,010	820	562	472	317	320

Alternative 4 H1 (LLT)

	End of Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1,318	1,403	1,709	1,893	2,039	2,039	2,039	1,941	1,654	1,413	1,191	1,379
20%	640	960	1,398	1,748	1,919	2,039	2,028	1,820	1,513	1,070	696	760
30%	503	769	1,159	1,509	1,725	2,000	1,912	1,716	1,389	958	641	651
40%	447	669	1,005	1,311	1,626	1,872	1,758	1,472	1,212	867	561	525
50%	385	595	890	1,203	1,512	1,716	1,672	1,284	1,091	775	509	479
60%	313	527	794	1,047	1,400	1,615	1,525	1,227	966	646	420	355
70%	221	441	680	921	1,263	1,396	1,293	1,106	815	567	338	301
80%	172	338	562	877	1,080	1,251	1,192	943	677	457	276	221
90%	145	221	438	748	886	1,037	931	689	406	311	206	200
Long Term												
Full Simulation Period[a]	492	688	972	1,246	1,474	1,625	1,559	1,348	1,083	805	579	568
Water Year Types[b]												
Wet (32%)	652	880	1,218	1,584	1,809	1,943	1,916	1,756	1,524	1,185	906	930
Above Normal (15%)	370	568	839	1,212	1,514	1,713	1,692	1,468	1,208	878	657	664
Below Normal (17%)	479	681	976	1,185	1,483	1,681	1,556	1,264	992	743	532	492
Dry (22%)	437	631	901	1,088	1,282	1,465	1,363	1,127	795	576	342	295
Critical (15%)	368	489	675	857	987	1,024	949	777	541	324	200	185

Alternative 4 H1 (LLT) minus No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	578	333	304	190	79	0	299	532	638	589	467	655
20%	-7	110	178	250	253	183	428	584	660	346	98	85
30%	-86	33	89	133	181	291	434	608	628	311	98	68
40%	-59	10	30	84	175	236	372	405	512	315	65	-12
50%	-59	28	-9	29	175	190	351	308	482	297	80	-2
60%	-81	50	-18	-8	133	192	293	321	422	255	34	-61
70%	-139	8	-66	-42	104	123	198	275	346	220	32	-77
80%	-128	-34	-79	-12	14	91	216	218	314	183	-3	-105
90%	-72	-99	-98	12	-59	43	65	155	181	126	27	-58
Long Term												
Full Simulation Period[a]	12	62	33	56	98	129	263	353	435	282	120	71
Water Year Types[b]												
Wet (32%)	95	151	173	284	270	195	397	556	657	539	323	321
Above Normal (15%)	-36	-6	-95	-5	92	139	375	525	647	537	300	190
Below Normal (17%)	14	71	39	29	154	221	310	352	459	283	122	-22
Dry (22%)	-8	65	-14	-95	-32	109	175	212	258	25	-135	-163
Critical (15%)	-93	-77	-75	-123	-140	-101	-61	-43	-21	-148	-117	-135

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-5-18. San Luis Reservoir (SWP and CVP), End of Month Storage

No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	740	1,070	1,404	1,702	1,960	2,039	1,740	1,410	1,015	824	723	724
20%	647	851	1,220	1,498	1,666	1,856	1,600	1,236	854	725	598	675
30%	589	735	1,070	1,377	1,544	1,709	1,478	1,108	762	647	543	583
40%	505	659	975	1,228	1,452	1,636	1,386	1,067	700	553	496	537
50%	444	567	899	1,174	1,338	1,526	1,321	977	609	478	429	481
60%	394	477	812	1,055	1,266	1,423	1,232	906	544	391	387	416
70%	360	433	746	962	1,159	1,273	1,095	831	468	347	306	378
80%	301	372	641	889	1,066	1,160	977	724	363	275	279	326
90%	217	320	536	736	944	993	866	534	225	186	180	258
Long Term												
Full Simulation Period[a]	481	626	939	1,191	1,377	1,496	1,296	995	648	523	458	497
Water Year Types[b]												
Wet (32%)	557	729	1,045	1,300	1,539	1,747	1,520	1,200	867	646	583	608
Above Normal (15%)	406	574	935	1,217	1,421	1,574	1,317	943	561	340	357	474
Below Normal (17%)	465	610	937	1,156	1,329	1,460	1,246	912	533	460	411	514
Dry (22%)	445	566	915	1,183	1,315	1,356	1,188	916	537	550	477	458
Critical (15%)	461	566	750	979	1,127	1,125	1,010	820	562	472	317	320

Alternative 4 H2 (LLT)

	End of Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	773	1,129	1,426	1,799	1,994	2,039	2,039	1,941	1,543	1,020	699	782
20%	486	741	1,273	1,677	1,882	1,971	1,954	1,692	1,325	828	518	547
30%	359	644	1,070	1,474	1,763	1,857	1,751	1,474	988	676	407	425
40%	243	547	959	1,320	1,656	1,755	1,605	1,278	799	439	260	317
50%	192	495	827	1,231	1,535	1,631	1,429	1,144	725	399	234	253
60%	159	434	749	1,065	1,387	1,458	1,267	1,029	634	319	173	214
70%	145	386	642	940	1,238	1,302	1,137	870	481	243	145	193
80%	145	315	574	791	1,014	1,113	1,024	686	421	195	145	163
90%	145	224	413	711	865	906	788	595	235	146	145	145
Long Term												
Full Simulation Period[a]	354	582	902	1,217	1,462	1,538	1,426	1,185	830	537	351	386
Water Year Types[b]												
Wet (32%)	507	792	1,213	1,620	1,839	1,893	1,825	1,614	1,259	854	574	653
Above Normal (15%)	219	440	744	1,197	1,533	1,708	1,603	1,341	898	490	324	353
Below Normal (17%)	336	564	866	1,121	1,454	1,487	1,336	1,012	645	422	287	335
Dry (22%)	292	501	789	1,003	1,220	1,324	1,161	912	549	365	212	203
Critical (15%)	272	411	601	796	948	975	888	714	467	289	178	172

Alternative 4 H2 (LLT) minus No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	33	59	22	97	34	0	299	531	527	197	**-24**	58
20%	**-160**	**-109**	54	180	216	115	354	457	471	104	**-80**	**-128**
30%	**-230**	**-91**	0	97	219	148	273	366	227	29	**-136**	**-158**
40%	**-262**	**-112**	**-16**	92	205	120	219	211	100	**-114**	**-236**	**-221**
50%	**-252**	**-72**	**-73**	57	197	105	108	167	116	**-79**	**-195**	**-228**
60%	**-235**	**-43**	**-63**	10	121	35	35	123	89	**-72**	**-214**	**-202**
70%	**-215**	**-48**	**-104**	**-22**	79	29	41	39	12	**-105**	**-161**	**-185**
80%	**-156**	**-57**	**-67**	**-98**	**-52**	**-47**	47	**-38**	58	**-79**	**-134**	**-163**
90%	**-72**	**-96**	**-123**	**-25**	**-79**	**-87**	**-78**	62	10	**-40**	**-35**	**-113**
Long Term												
Full Simulation Period[a]	**-127**	**-45**	**-36**	26	85	42	130	190	182	14	**-107**	**-112**
Water Year Types[b]												
Wet (32%)	**-50**	63	168	320	299	145	305	413	392	208	**-9**	45
Above Normal (15%)	**-187**	**-134**	**-191**	**-20**	112	134	287	398	337	150	**-33**	**-121**
Below Normal (17%)	**-130**	**-46**	**-71**	**-36**	125	27	89	100	112	**-37**	**-124**	**-179**
Dry (22%)	**-153**	**-65**	**-126**	**-180**	**-95**	**-31**	**-27**	**-4**	13	**-185**	**-265**	**-254**
Critical (15%)	**-189**	**-155**	**-149**	**-183**	**-180**	**-150**	**-122**	**-105**	**-95**	**-183**	**-138**	**-148**

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-5-19. San Luis Reservoir (SWP and CVP), End of Month Storage

No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	740	1,070	1,404	1,702	1,960	2,039	1,740	1,410	1,015	824	723	724
20%	647	851	1,220	1,498	1,666	1,856	1,600	1,236	854	725	598	675
30%	589	735	1,070	1,377	1,544	1,709	1,478	1,108	762	647	543	583
40%	505	659	975	1,228	1,452	1,636	1,386	1,067	700	553	496	537
50%	444	567	899	1,174	1,338	1,526	1,321	977	609	478	429	481
60%	394	477	812	1,055	1,266	1,423	1,232	906	544	391	387	416
70%	360	433	746	962	1,159	1,273	1,095	831	468	347	306	378
80%	301	372	641	889	1,066	1,160	977	724	363	275	279	326
90%	217	320	536	736	944	993	866	534	225	186	180	258
Long Term												
Full Simulation Period[a]	481	626	939	1,191	1,377	1,496	1,296	995	648	523	458	497
Water Year Types[b]												
Wet (32%)	557	729	1,045	1,300	1,539	1,747	1,520	1,200	867	646	583	608
Above Normal (15%)	406	574	935	1,217	1,421	1,574	1,317	943	561	340	357	474
Below Normal (17%)	465	610	937	1,156	1,329	1,460	1,246	912	533	460	411	514
Dry (22%)	445	566	915	1,183	1,315	1,356	1,188	916	537	550	477	458
Critical (15%)	461	566	750	979	1,127	1,125	1,010	820	562	472	317	320

Alternative 4 H3 (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	969	806	1,214	1,717	1,988	2,039	2,039	1,921	1,676	1,409	1,215	1,248
20%	424	635	1,050	1,446	1,770	1,963	1,904	1,773	1,486	1,074	725	510
30%	327	552	871	1,272	1,544	1,826	1,788	1,613	1,274	936	605	446
40%	256	456	746	1,166	1,459	1,692	1,696	1,361	1,160	817	546	331
50%	210	379	622	973	1,332	1,587	1,534	1,267	1,037	672	454	281
60%	191	332	566	867	1,177	1,372	1,297	1,113	890	626	360	252
70%	147	222	506	749	1,018	1,279	1,216	989	736	505	312	215
80%	145	146	420	659	866	1,052	955	719	500	384	256	200
90%	145	145	338	464	687	780	730	530	303	226	204	196
Long Term												
Full Simulation Period[a]	351	454	742	1,044	1,308	1,485	1,441	1,248	1,008	760	554	440
Water Year Types[b]												
Wet (32%)	471	569	924	1,348	1,631	1,814	1,809	1,657	1,449	1,142	880	669
Above Normal (15%)	255	387	681	1,066	1,388	1,601	1,586	1,389	1,151	849	645	476
Below Normal (17%)	312	400	675	913	1,237	1,449	1,372	1,101	854	663	479	411
Dry (22%)	302	425	681	879	1,107	1,317	1,244	1,035	745	534	328	288
Critical (15%)	307	378	581	765	912	947	875	710	482	298	185	172

Alternative 4 H3 (LLT) minus No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	228	-264	-191	14	28	0	299	511	661	585	492	524
20%	-223	-215	-169	-51	105	107	304	538	633	349	127	-165
30%	-262	-183	-199	-105	0	117	310	505	513	288	62	-137
40%	-249	-203	-229	-61	7	56	310	295	460	264	51	-206
50%	-233	-188	-278	-200	-5	61	212	290	429	194	25	-200
60%	-203	-145	-245	-188	-90	-51	65	208	345	234	-27	-164
70%	-213	-211	-240	-213	-142	6	121	158	268	158	5	-163
80%	-156	-225	-221	-230	-200	-107	-22	-5	137	109	-23	-126
90%	-72	-175	-198	-272	-257	-213	-137	-3	78	40	24	-61
Long Term												
Full Simulation Period[a]	-130	-172	-196	-146	-69	-11	145	253	360	237	96	-57
Water Year Types[b]												
Wet (32%)	-86	-160	-121	49	92	67	289	457	582	496	296	61
Above Normal (15%)	-152	-187	-253	-151	-33	27	269	446	589	509	288	2
Below Normal (17%)	-153	-210	-261	-244	-92	-11	125	189	321	203	68	-103
Dry (22%)	-143	-141	-234	-304	-208	-39	57	119	209	-16	-150	-169
Critical (15%)	-154	-188	-168	-214	-215	-178	-135	-109	-80	-174	-132	-148

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-5-20. San Luis Reservoir (SWP and CVP), End of Month Storage

No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	740	1,070	1,404	1,702	1,960	2,039	1,740	1,410	1,015	824	723	724
20%	647	851	1,220	1,498	1,666	1,856	1,600	1,236	854	725	598	675
30%	589	735	1,070	1,377	1,544	1,709	1,478	1,108	762	647	543	583
40%	505	659	975	1,228	1,452	1,636	1,386	1,067	700	553	496	537
50%	444	567	899	1,174	1,338	1,526	1,321	977	609	478	429	481
60%	394	477	812	1,055	1,266	1,423	1,232	906	544	391	387	416
70%	360	433	746	962	1,159	1,273	1,095	831	468	347	306	378
80%	301	372	641	889	1,066	1,160	977	724	363	275	279	326
90%	217	320	536	736	944	993	866	534	225	186	180	258
Long Term												
Full Simulation Period[a]	481	626	939	1,191	1,377	1,496	1,296	995	648	523	458	497
Water Year Types[b]												
Wet (32%)	557	729	1,045	1,300	1,539	1,747	1,520	1,200	867	646	583	608
Above Normal (15%)	406	574	935	1,217	1,421	1,574	1,317	943	561	340	357	474
Below Normal (17%)	465	610	937	1,156	1,329	1,460	1,246	912	533	460	411	514
Dry (22%)	445	566	915	1,183	1,315	1,356	1,188	916	537	550	477	458
Critical (15%)	461	566	750	979	1,127	1,125	1,010	820	562	472	317	320

Alternative 4 H4 (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	460	707	1,262	1,741	1,989	2,039	2,037	1,923	1,565	1,036	661	658
20%	311	573	968	1,559	1,828	1,951	1,945	1,669	1,280	832	519	347
30%	215	462	767	1,229	1,660	1,787	1,708	1,425	959	561	334	292
40%	169	355	641	1,128	1,486	1,612	1,482	1,206	809	424	267	237
50%	151	285	573	947	1,276	1,433	1,242	1,066	637	379	215	202
60%	147	222	493	804	1,074	1,272	1,165	903	501	275	145	166
70%	145	180	444	694	960	1,112	999	714	408	203	145	145
80%	145	145	386	565	862	906	756	524	278	156	145	145
90%	145	145	342	484	690	757	595	365	167	134	145	145
Long Term												
Full Simulation Period[a]	254	381	693	1,028	1,301	1,408	1,314	1,087	771	507	341	299
Water Year Types[b]												
Wet (32%)	355	515	909	1,360	1,636	1,762	1,722	1,516	1,188	836	575	465
Above Normal (15%)	158	307	631	1,081	1,429	1,607	1,515	1,273	864	479	298	226
Below Normal (17%)	216	329	625	897	1,237	1,288	1,149	854	560	382	271	289
Dry (22%)	225	338	599	829	1,066	1,189	1,045	814	495	308	197	201
Critical (15%)	218	291	509	707	872	908	823	656	433	265	178	170

Alternative 4 H4 (LLT) minus No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-280	-362	-143	39	29	0	298	513	550	213	-62	-65
20%	-335	-277	-251	62	162	95	344	433	426	107	-79	-328
30%	-373	-273	-303	-148	116	78	230	317	198	-86	-210	-291
40%	-336	-304	-334	-100	34	-24	96	140	109	-129	-229	-300
50%	-293	-282	-326	-226	-61	-93	-80	90	28	-99	-214	-279
60%	-248	-255	-318	-251	-192	-150	-67	-3	-44	-116	-242	-250
70%	-215	-254	-302	-268	-199	-161	-96	-117	-61	-144	-161	-233
80%	-156	-227	-254	-324	-204	-254	-221	-200	-85	-118	-134	-181
90%	-72	-175	-194	-252	-254	-236	-271	-169	-57	-52	-35	-113
Long Term												
Full Simulation Period[a]	-227	-245	-245	-163	-76	-88	18	92	123	-16	-117	-198
Water Year Types[b]												
Wet (32%)	-202	-214	-136	60	97	15	202	315	322	190	-9	-143
Above Normal (15%)	-248	-267	-304	-136	7	33	198	330	303	139	-59	-248
Below Normal (17%)	-250	-280	-312	-260	-92	-172	-97	-58	27	-77	-140	-225
Dry (22%)	-220	-228	-316	-354	-249	-167	-142	-102	-41	-242	-280	-257
Critical (15%)	-243	-274	-241	-273	-256	-218	-188	-163	-129	-207	-139	-150

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-5-21. San Luis Reservoir (SWP and CVP), End of Month Storage

No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	740	1,070	1,404	1,702	1,960	2,039	1,740	1,410	1,015	824	723	724
20%	647	851	1,220	1,498	1,666	1,856	1,600	1,236	854	725	598	675
30%	589	735	1,070	1,377	1,544	1,709	1,478	1,108	762	647	543	583
40%	505	659	975	1,228	1,452	1,636	1,386	1,067	700	553	496	537
50%	444	567	899	1,174	1,338	1,526	1,321	977	609	478	429	481
60%	394	477	812	1,055	1,266	1,423	1,232	906	544	391	387	416
70%	360	433	746	962	1,159	1,273	1,095	831	468	347	306	378
80%	301	372	641	889	1,066	1,160	977	724	363	275	279	326
90%	217	320	536	736	944	993	866	534	225	186	180	258
Long Term												
Full Simulation Period[a]	481	626	939	1,191	1,377	1,496	1,296	995	648	523	458	497
Water Year Types[b]												
Wet (32%)	557	729	1,045	1,300	1,539	1,747	1,520	1,200	867	646	583	608
Above Normal (15%)	406	574	935	1,217	1,421	1,574	1,317	943	561	340	357	474
Below Normal (17%)	465	610	937	1,156	1,329	1,460	1,246	912	533	460	411	514
Dry (22%)	445	566	915	1,183	1,315	1,356	1,188	916	537	550	477	458
Critical (15%)	461	566	750	979	1,127	1,125	1,010	820	562	472	317	320

Alternative 5 (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	850	1,001	1,451	1,839	2,034	2,039	1,867	1,615	1,420	1,282	969	853
20%	643	774	1,167	1,454	1,781	1,955	1,796	1,479	1,240	1,050	816	627
30%	494	666	957	1,253	1,506	1,827	1,657	1,391	1,055	963	709	550
40%	414	590	905	1,149	1,424	1,725	1,577	1,317	1,019	837	599	464
50%	370	504	789	1,050	1,349	1,615	1,492	1,227	935	781	551	422
60%	276	378	700	971	1,243	1,385	1,263	1,058	833	658	508	290
70%	251	278	647	928	1,135	1,298	1,208	967	631	560	459	237
80%	184	150	551	842	1,036	1,184	1,101	840	513	460	399	200
90%	145	145	422	721	916	1,031	961	714	398	324	290	198
Long Term												
Full Simulation Period[a]	438	539	871	1,156	1,376	1,540	1,425	1,183	913	785	622	474
Water Year Types[b]												
Wet (32%)	531	640	991	1,345	1,605	1,823	1,697	1,456	1,230	1,039	838	601
Above Normal (15%)	311	448	757	1,090	1,324	1,536	1,400	1,122	828	651	594	367
Below Normal (17%)	446	533	861	1,120	1,334	1,517	1,373	1,068	777	744	631	535
Dry (22%)	387	488	869	1,122	1,312	1,445	1,353	1,135	824	767	544	466
Critical (15%)	430	495	740	908	1,075	1,104	1,028	858	607	447	291	248

Alternative 5 (LLT) minus No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	110	-68	47	136	74	0	127	205	404	459	246	129
20%	-3	-77	-53	-44	115	99	196	244	386	325	218	-48
30%	-95	-70	-113	-124	-37	118	179	283	294	316	166	-33
40%	-91	-69	-69	-79	-28	89	191	250	319	284	103	-74
50%	-74	-63	-110	-124	12	89	170	251	327	303	122	-59
60%	-118	-99	-112	-85	-23	-37	31	152	288	266	121	-126
70%	-109	-155	-99	-34	-24	25	113	137	163	213	152	-141
80%	-116	-222	-90	-47	-30	24	125	116	150	186	120	-126
90%	-72	-175	-114	-15	-28	37	94	180	174	138	110	-60
Long Term												
Full Simulation Period[a]	-43	-87	-67	-34	-1	45	129	188	265	262	164	-23
Water Year Types[b]												
Wet (32%)	-26	-89	-54	46	66	75	178	256	363	393	254	-7
Above Normal (15%)	-95	-126	-178	-127	-97	-38	83	179	267	311	237	-107
Below Normal (17%)	-19	-76	-76	-37	5	57	126	156	244	284	220	21
Dry (22%)	-59	-78	-46	-61	-3	89	165	219	287	216	67	9
Critical (15%)	-31	-70	-9	-71	-52	-21	18	39	45	-25	-26	-73

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-5-22. San Luis Reservoir (SWP and CVP), End of Month Storage

No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	740	1,070	1,404	1,702	1,960	2,039	1,740	1,410	1,015	824	723	724
20%	647	851	1,220	1,498	1,666	1,856	1,600	1,236	854	725	598	675
30%	589	735	1,070	1,377	1,544	1,709	1,478	1,108	762	647	543	583
40%	505	659	975	1,228	1,452	1,636	1,386	1,067	700	553	496	537
50%	444	567	899	1,174	1,338	1,526	1,321	977	609	478	429	481
60%	394	477	812	1,055	1,266	1,423	1,232	906	544	391	387	416
70%	360	433	746	962	1,159	1,273	1,095	831	468	347	306	378
80%	301	372	641	889	1,066	1,160	977	724	363	275	279	326
90%	217	320	536	736	944	993	866	534	225	186	180	258
Long Term												
Full Simulation Period[a]	481	626	939	1,191	1,377	1,496	1,296	995	648	523	458	497
Water Year Types[b]												
Wet (32%)	557	729	1,045	1,300	1,539	1,747	1,520	1,200	867	646	583	608
Above Normal (15%)	406	574	935	1,217	1,421	1,574	1,317	943	561	340	357	474
Below Normal (17%)	465	610	937	1,156	1,329	1,460	1,246	912	533	460	411	514
Dry (22%)	445	566	915	1,183	1,315	1,356	1,188	916	537	550	477	458
Critical (15%)	461	566	750	979	1,127	1,125	1,010	820	562	472	317	320

Alternative 6A,6B,6C (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	331	499	818	1,481	1,823	2,016	1,950	1,987	1,669	1,328	872	685
20%	208	341	477	1,094	1,513	1,780	1,879	1,781	1,281	976	432	202
30%	200	251	290	847	1,308	1,671	1,754	1,457	1,025	657	323	200
40%	200	201	234	509	1,142	1,431	1,338	1,184	768	526	284	200
50%	177	200	169	377	656	1,141	926	708	382	352	233	200
60%	166	182	151	228	467	662	642	376	180	215	200	200
70%	145	145	130	180	295	427	334	208	100	200	200	200
80%	145	145	117	130	174	188	145	88	78	200	200	200
90%	118	145	109	100	108	109	76	53	70	200	200	200
Long Term												
Full Simulation Period[a]	243	282	321	591	860	1,039	1,025	894	672	560	384	304
Water Year Types[b]												
Wet (32%)	321	399	562	1,089	1,519	1,767	1,807	1,722	1,379	1,035	669	488
Above Normal (15%)	158	223	275	717	1,178	1,499	1,511	1,301	951	721	436	343
Below Normal (17%)	226	239	205	324	585	757	708	491	301	319	237	196
Dry (22%)	227	250	211	267	360	467	411	278	148	212	200	200
Critical (15%)	205	186	146	180	185	186	137	89	83	171	162	152

Alternative 6A,6B,6C (LLT) minus No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-409	-571	-587	-221	-137	-23	210	577	653	504	148	-39
20%	-439	-509	-742	-404	-152	-76	279	546	427	251	-167	-473
30%	-389	-484	-780	-530	-236	-38	276	349	263	10	-220	-383
40%	-305	-458	-741	-719	-310	-205	-48	117	68	-27	-211	-337
50%	-267	-367	-730	-797	-682	-385	-395	-268	-226	-126	-196	-281
60%	-228	-295	-661	-827	-799	-761	-590	-530	-364	-177	-187	-216
70%	-215	-288	-616	-782	-864	-846	-761	-623	-368	-147	-106	-178
80%	-156	-227	-524	-759	-892	-972	-832	-636	-285	-75	-79	-126
90%	-99	-175	-428	-636	-837	-884	-791	-481	-155	14	20	-58
Long Term												
Full Simulation Period[a]	-238	-344	-618	-600	-517	-457	-271	-101	24	37	-74	-193
Water Year Types[b]												
Wet (32%)	-236	-330	-483	-211	-20	20	287	522	512	389	86	-120
Above Normal (15%)	-249	-351	-660	-500	-243	-75	195	358	390	381	79	-131
Below Normal (17%)	-240	-371	-732	-832	-744	-703	-538	-421	-232	-140	-173	-318
Dry (22%)	-218	-316	-704	-915	-955	-889	-777	-638	-389	-339	-277	-257
Critical (15%)	-257	-379	-604	-799	-943	-940	-873	-731	-479	-301	-155	-168

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-5-23. San Luis Reservoir (SWP and CVP), End of Month Storage

No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	740	1,070	1,404	1,702	1,960	2,039	1,740	1,410	1,015	824	723	724
20%	647	851	1,220	1,498	1,666	1,856	1,600	1,236	854	725	598	675
30%	589	735	1,070	1,377	1,544	1,709	1,478	1,108	762	647	543	583
40%	505	659	975	1,228	1,452	1,636	1,386	1,067	700	553	496	537
50%	444	567	899	1,174	1,338	1,526	1,321	977	609	478	429	481
60%	394	477	812	1,055	1,266	1,423	1,232	906	544	391	387	416
70%	360	433	746	962	1,159	1,273	1,095	831	468	347	306	378
80%	301	372	641	889	1,066	1,160	977	724	363	275	279	326
90%	217	320	536	736	944	993	866	534	225	186	180	258
Long Term												
Full Simulation Period[a]	481	626	939	1,191	1,377	1,496	1,296	995	648	523	458	497
Water Year Types[b]												
Wet (32%)	557	729	1,045	1,300	1,539	1,747	1,520	1,200	867	646	583	608
Above Normal (15%)	406	574	935	1,217	1,421	1,574	1,317	943	561	340	357	474
Below Normal (17%)	465	610	937	1,156	1,329	1,460	1,246	912	533	460	411	514
Dry (22%)	445	566	915	1,183	1,315	1,356	1,188	916	537	550	477	458
Critical (15%)	461	566	750	979	1,127	1,125	1,010	820	562	472	317	320

Alternative 7 (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	393	441	629	1,112	1,555	1,885	1,780	1,621	1,293	991	601	421
20%	320	351	386	782	1,176	1,625	1,671	1,385	1,043	742	516	363
30%	268	316	326	644	1,073	1,413	1,428	1,175	825	659	422	318
40%	224	249	246	546	811	991	981	725	454	361	321	281
50%	202	219	197	377	612	742	617	438	251	273	281	240
60%	199	180	151	254	435	575	460	254	100	235	258	215
70%	173	149	134	193	330	410	341	167	100	200	224	200
80%	145	145	118	159	191	206	122	69	72	200	201	200
90%	145	145	103	100	120	129	65	53	64	185	200	200
Long Term												
Full Simulation Period[a]	264	278	300	516	741	906	851	688	499	459	382	318
Water Year Types[b]												
Wet (32%)	327	341	453	860	1,221	1,526	1,517	1,338	1,023	824	627	438
Above Normal (15%)	206	246	275	643	1,000	1,247	1,204	968	643	489	381	234
Below Normal (17%)	220	240	211	314	557	683	571	356	224	289	278	267
Dry (22%)	254	261	227	277	348	407	324	193	119	232	220	275
Critical (15%)	250	245	210	240	245	235	173	128	112	176	218	263

Alternative 7 (LLT) minus No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-347	-629	-775	-590	-405	-154	40	211	278	168	-122	-302
20%	-327	-499	-834	-715	-490	-231	71	150	189	18	-82	-312
30%	-320	-420	-744	-733	-471	-296	-50	67	64	12	-121	-265
40%	-281	-410	-729	-682	-641	-644	-405	-341	-246	-192	-175	-256
50%	-241	-348	-702	-796	-726	-784	-704	-539	-358	-205	-148	-241
60%	-195	-297	-661	-801	-831	-848	-772	-652	-444	-156	-129	-201
70%	-187	-284	-612	-770	-830	-863	-754	-664	-368	-147	-82	-178
80%	-156	-227	-522	-730	-875	-954	-854	-655	-291	-75	-78	-126
90%	-72	-175	-433	-636	-825	-864	-801	-481	-161	-1	20	-58
Long Term												
Full Simulation Period[a]	-217	-348	-638	-674	-636	-590	-445	-307	-149	-64	-76	-179
Water Year Types[b]												
Wet (32%)	-230	-388	-592	-440	-318	-222	-3	137	156	178	44	-170
Above Normal (15%)	-200	-328	-660	-574	-421	-327	-113	26	82	149	24	-239
Below Normal (17%)	-246	-370	-725	-842	-772	-778	-675	-556	-309	-171	-132	-247
Dry (22%)	-191	-305	-688	-906	-967	-949	-864	-723	-418	-318	-257	-182
Critical (15%)	-211	-321	-539	-740	-883	-890	-837	-692	-450	-296	-98	-58

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-5-24. San Luis Reservoir (SWP and CVP), End of Month Storage

No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	740	1,070	1,404	1,702	1,960	2,039	1,740	1,410	1,015	824	723	724
20%	647	851	1,220	1,498	1,666	1,856	1,600	1,236	854	725	598	675
30%	589	735	1,070	1,377	1,544	1,709	1,478	1,108	762	647	543	583
40%	505	659	975	1,228	1,452	1,636	1,386	1,067	700	553	496	537
50%	444	567	899	1,174	1,338	1,526	1,321	977	609	478	429	481
60%	394	477	812	1,055	1,266	1,423	1,232	906	544	391	387	416
70%	360	433	746	962	1,159	1,273	1,095	831	468	347	306	378
80%	301	372	641	889	1,066	1,160	977	724	363	275	279	326
90%	217	320	536	736	944	993	866	534	225	186	180	258
Long Term												
Full Simulation Period[a]	481	626	939	1,191	1,377	1,496	1,296	995	648	523	458	497
Water Year Types[b]												
Wet (32%)	557	729	1,045	1,300	1,539	1,747	1,520	1,200	867	646	583	608
Above Normal (15%)	406	574	935	1,217	1,421	1,574	1,317	943	561	340	357	474
Below Normal (17%)	465	610	937	1,156	1,329	1,460	1,246	912	533	460	411	514
Dry (22%)	445	566	915	1,183	1,315	1,356	1,188	916	537	550	477	458
Critical (15%)	461	566	750	979	1,127	1,125	1,010	820	562	472	317	320

Alternative 8 (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	184	226	489	1,003	1,490	1,835	1,853	1,799	1,372	864	496	242
20%	108	138	178	736	1,154	1,617	1,727	1,612	1,278	680	356	193
30%	100	100	119	587	1,067	1,513	1,486	1,457	1,045	438	261	145
40%	100	100	104	442	763	1,107	1,256	1,149	798	323	143	124
50%	100	100	100	268	519	833	905	868	506	228	123	106
60%	100	100	100	161	401	539	679	558	351	109	100	100
70%	100	100	100	123	335	411	387	250	114	100	100	100
80%	100	100	100	100	160	229	158	107	70	100	100	100
90%	100	100	100	100	100	100	77	53	61	100	100	100
Long Term												
Full Simulation Period[a]	137	150	198	441	705	924	961	884	654	370	235	168
Water Year Types[b]												
Wet (32%)	176	186	300	759	1,186	1,550	1,608	1,538	1,210	696	411	202
Above Normal (15%)	130	186	233	612	990	1,272	1,364	1,283	865	351	174	123
Below Normal (17%)	125	130	158	295	556	788	863	793	534	310	220	247
Dry (22%)	122	124	123	184	311	425	418	298	197	138	116	129
Critical (15%)	98	99	100	133	138	129	86	57	64	101	109	108

Alternative 8 (LLT) minus No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-556	-844	-916	-699	-470	-204	113	389	357	41	-227	-482
20%	-539	-712	-1,041	-762	-512	-239	127	376	425	-45	-243	-482
30%	-489	-635	-951	-790	-477	-196	8	349	284	-209	-282	-438
40%	-405	-559	-871	-786	-689	-528	-130	82	98	-230	-353	-413
50%	-344	-467	-799	-905	-818	-693	-416	-109	-102	-250	-307	-375
60%	-294	-377	-712	-894	-865	-883	-553	-348	-194	-282	-287	-316
70%	-260	-333	-646	-840	-824	-861	-709	-581	-354	-247	-206	-278
80%	-201	-272	-541	-789	-907	-931	-818	-617	-293	-175	-179	-226
90%	-117	-220	-436	-636	-844	-893	-790	-481	-163	-86	-80	-158
Long Term												
Full Simulation Period[a]	-343	-476	-741	-750	-672	-572	-335	-111	6	-153	-224	-329
Water Year Types[b]												
Wet (32%)	-381	-543	-745	-540	-353	-198	88	338	343	50	-173	-406
Above Normal (15%)	-276	-388	-702	-605	-431	-302	47	340	304	11	-183	-351
Below Normal (17%)	-340	-479	-779	-861	-773	-672	-383	-119	1	-150	-190	-267
Dry (22%)	-323	-442	-792	-998	-1,004	-931	-770	-618	-340	-412	-361	-328
Critical (15%)	-363	-467	-649	-847	-990	-996	-924	-763	-498	-371	-208	-212

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-5-25. San Luis Reservoir (SWP and CVP), End of Month Storage

No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	740	1,070	1,404	1,702	1,960	2,039	1,740	1,410	1,015	824	723	724
20%	647	851	1,220	1,498	1,666	1,856	1,600	1,236	854	725	598	675
30%	589	735	1,070	1,377	1,544	1,709	1,478	1,108	762	647	543	583
40%	505	659	975	1,228	1,452	1,636	1,386	1,067	700	553	496	537
50%	444	567	899	1,174	1,338	1,526	1,321	977	609	478	429	481
60%	394	477	812	1,055	1,266	1,423	1,232	906	544	391	387	416
70%	360	433	746	962	1,159	1,273	1,095	831	468	347	306	378
80%	301	372	641	889	1,066	1,160	977	724	363	275	279	326
90%	217	320	536	736	944	993	866	534	225	186	180	258
Long Term												
Full Simulation Period[a]	481	626	939	1,191	1,377	1,496	1,296	995	648	523	458	497
Water Year Types[b]												
Wet (32%)	557	729	1,045	1,300	1,539	1,747	1,520	1,200	867	646	583	608
Above Normal (15%)	406	574	935	1,217	1,421	1,574	1,317	943	561	340	357	474
Below Normal (17%)	465	610	937	1,156	1,329	1,460	1,246	912	533	460	411	514
Dry (22%)	445	566	915	1,183	1,315	1,356	1,188	916	537	550	477	458
Critical (15%)	461	566	750	979	1,127	1,125	1,010	820	562	472	317	320

Alternative 9 (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	920	1,194	1,539	1,743	1,892	1,898	1,757	1,572	1,198	975	819	850
20%	714	940	1,330	1,590	1,751	1,758	1,578	1,343	988	806	614	636
30%	532	818	1,132	1,350	1,497	1,579	1,440	1,157	778	664	489	557
40%	468	699	1,014	1,218	1,341	1,393	1,255	988	667	517	452	438
50%	412	566	880	1,012	1,176	1,165	1,042	850	493	421	345	368
60%	342	469	771	920	1,005	1,048	955	684	457	333	285	317
70%	275	394	652	831	899	951	838	608	345	290	235	237
80%	202	355	606	735	780	815	710	525	272	197	160	214
90%	149	304	508	634	641	702	604	413	204	133	100	172
Long Term												
Full Simulation Period[a]	473	666	956	1,125	1,226	1,261	1,139	927	625	515	425	446
Water Year Types[b]												
Wet (32%)	518	724	950	1,101	1,251	1,357	1,235	1,046	730	530	435	453
Above Normal (15%)	412	632	958	1,102	1,138	1,120	977	741	416	319	282	330
Below Normal (17%)	354	578	870	1,029	1,130	1,167	1,057	808	493	428	402	480
Dry (22%)	502	648	1,005	1,184	1,256	1,253	1,126	912	631	617	519	505
Critical (15%)	536	703	993	1,223	1,330	1,317	1,210	1,019	749	624	430	414

Alternative 9 (LLT) minus No Action Alternative (LLT)

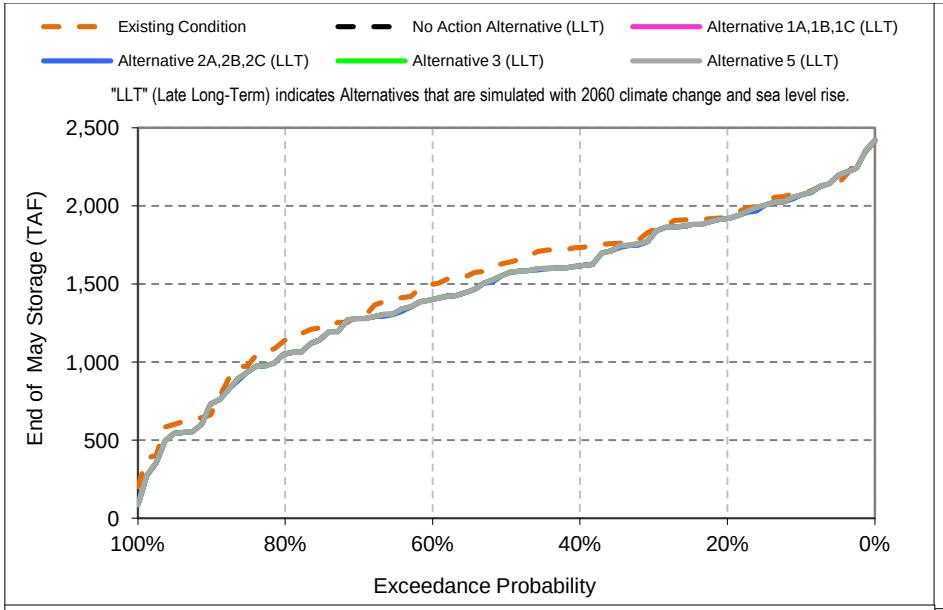
	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	179	124	135	41	-68	-141	17	162	182	152	95	126
20%	67	90	111	92	85	-98	-22	108	134	82	16	-39
30%	-57	83	62	-27	-47	-130	-38	49	16	17	-54	-26
40%	-37	40	39	-10	-111	-243	-131	-79	-33	-35	-44	-99
50%	-32	-1	-19	-162	-162	-361	-279	-127	-116	-57	-85	-113
60%	-52	-8	-40	-135	-261	-375	-277	-222	-87	-58	-101	-99
70%	-86	-39	-94	-132	-260	-322	-257	-223	-124	-58	-71	-141
80%	-99	-17	-35	-154	-286	-345	-267	-200	-90	-77	-119	-111
90%	-68	-16	-29	-102	-303	-292	-262	-121	-20	-53	-80	-86
Long Term												
Full Simulation Period[a]	-7	40	17	-66	-150	-235	-157	-68	-23	-8	-34	-52
Water Year Types[b]												
Wet (32%)	-40	-5	-95	-199	-288	-391	-285	-155	-137	-116	-148	-155
Above Normal (15%)	6	58	23	-115	-284	-454	-340	-201	-145	-21	-75	-143
Below Normal (17%)	-112	-32	-67	-127	-200	-294	-189	-104	-40	-32	-9	-34
Dry (22%)	56	83	90	1	-59	-103	-62	-4	95	67	42	48
Critical (15%)	75	137	243	243	203	192	200	200	187	152	113	94

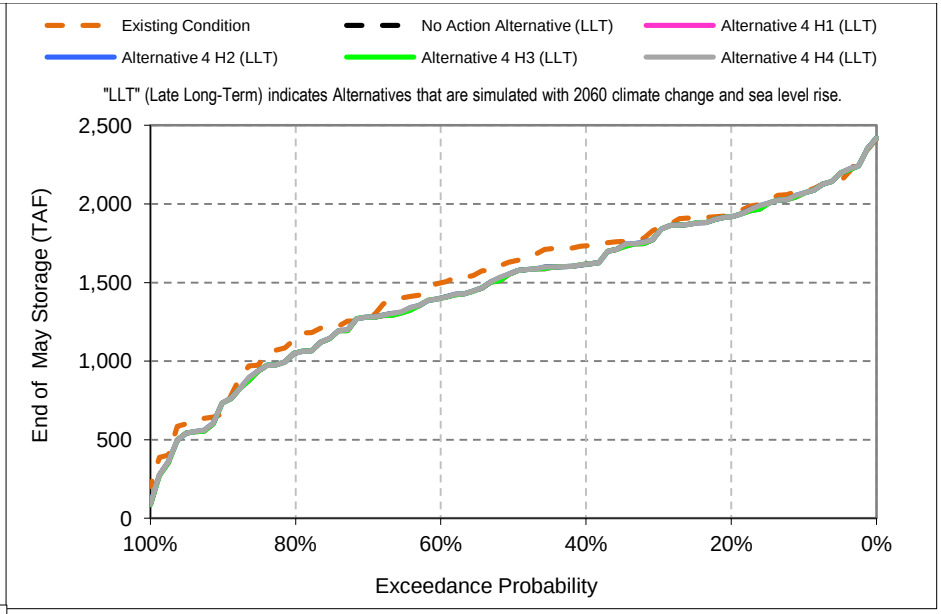
Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

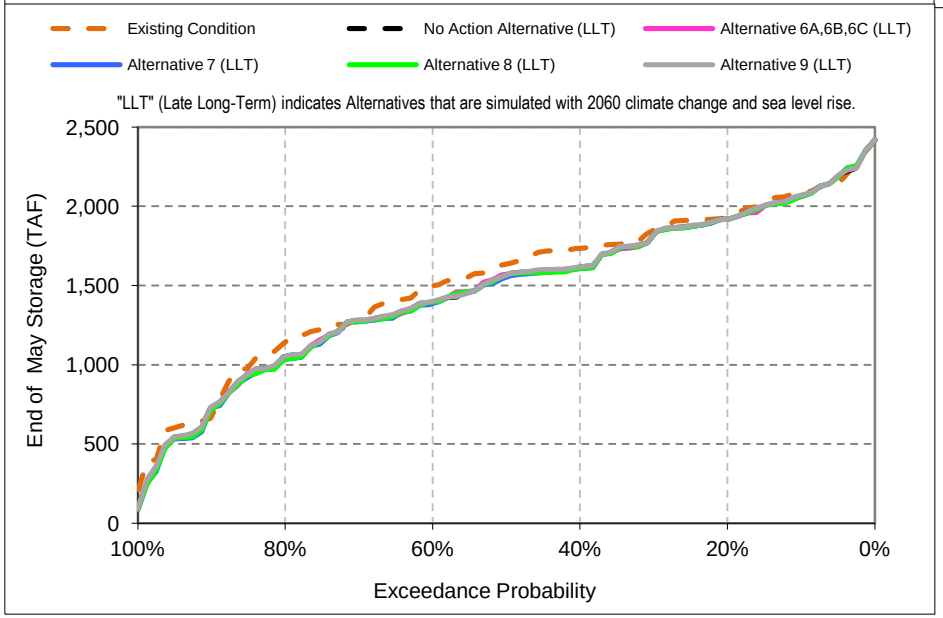
a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

C.6. New Melones Storage



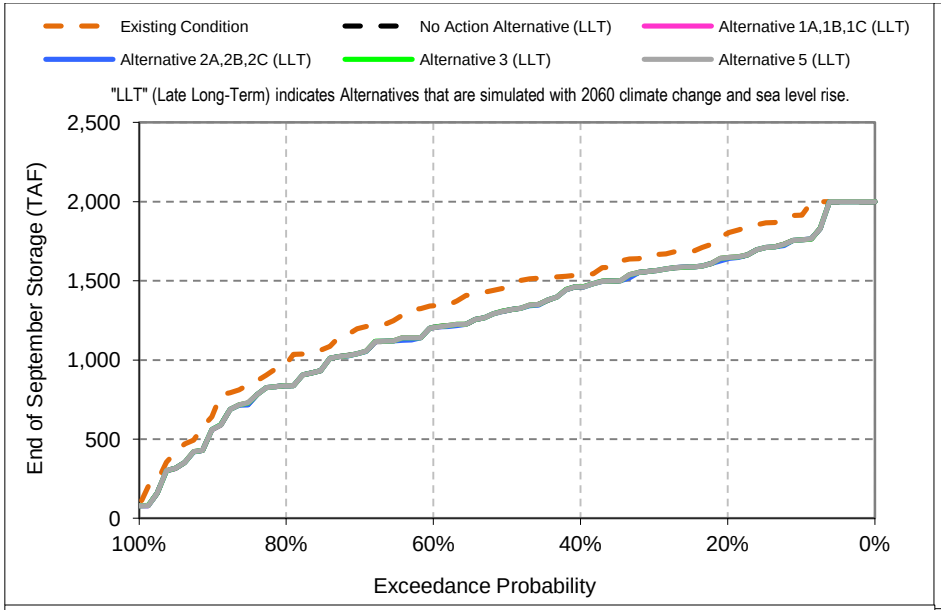


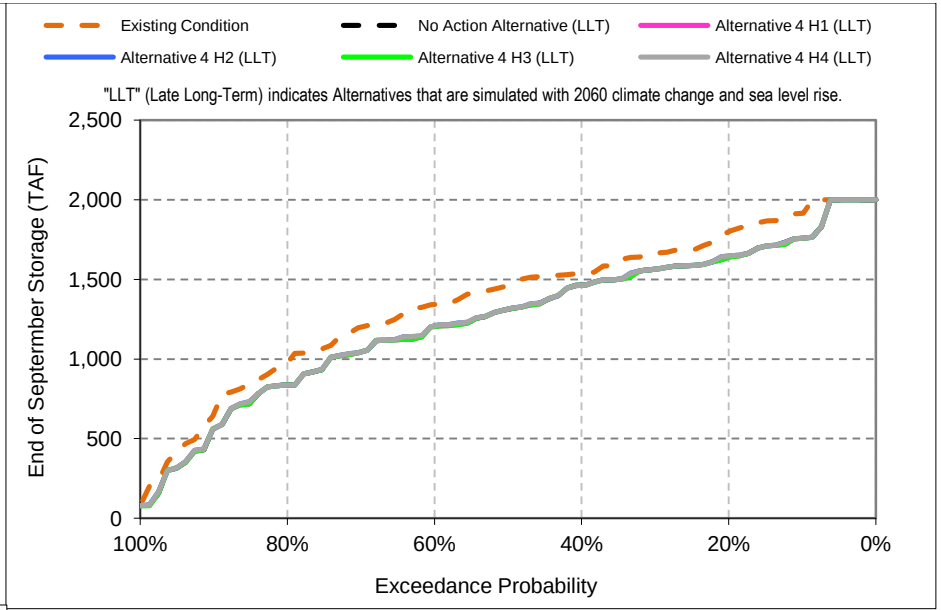


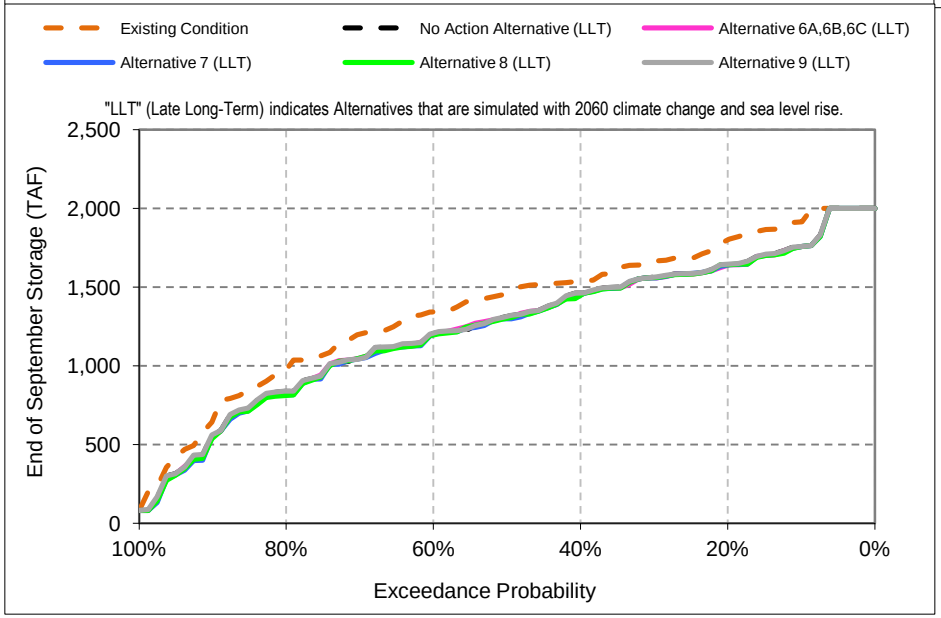
Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-6-1. New Melones Reservoir, End of May Storage







Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-6-2. New Melones Reservoir, End of September Storage

Table C-6-1. New Melones Reservoir, End of Month Storage

Existing Condition

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,870	1,878	1,931	1,952	1,970	1,990	1,970	2,080	2,142	2,068	1,973	1,914
20%	1,757	1,758	1,787	1,845	1,932	1,956	1,875	1,928	1,990	1,947	1,854	1,799
30%	1,629	1,648	1,690	1,774	1,850	1,874	1,848	1,848	1,850	1,788	1,704	1,666
40%	1,513	1,554	1,627	1,689	1,764	1,778	1,745	1,734	1,708	1,638	1,568	1,535
50%	1,444	1,450	1,476	1,544	1,640	1,668	1,629	1,635	1,619	1,577	1,497	1,466
60%	1,320	1,346	1,383	1,449	1,504	1,497	1,481	1,498	1,500	1,436	1,369	1,343
70%	1,173	1,204	1,239	1,293	1,301	1,302	1,274	1,291	1,340	1,274	1,216	1,201
80%	990	976	991	1,013	1,055	1,138	1,094	1,144	1,123	1,062	1,003	975
90%	674	694	727	747	760	770	697	674	775	742	682	655
Long Term												
Full Simulation Period[a]	1,342	1,353	1,387	1,438	1,492	1,516	1,492	1,526	1,547	1,485	1,406	1,364
Water Year Types[b]												
Wet (32%)	1,523	1,536	1,589	1,680	1,763	1,807	1,823	1,932	2,015	1,954	1,850	1,787
Above Normal (15%)	1,289	1,316	1,367	1,451	1,537	1,591	1,572	1,638	1,666	1,602	1,522	1,484
Below Normal (17%)	1,287	1,297	1,322	1,357	1,417	1,438	1,416	1,476	1,489	1,425	1,349	1,314
Dry (22%)	1,403	1,407	1,424	1,438	1,461	1,477	1,418	1,375	1,350	1,287	1,221	1,190
Critical (15%)	976	977	990	996	994	963	895	820	777	721	670	647

No Action Alternative (LLT)

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,701	1,701	1,761	1,838	1,970	2,006	1,969	2,071	2,066	1,947	1,824	1,758
20%	1,605	1,606	1,662	1,708	1,856	1,878	1,877	1,919	1,918	1,802	1,690	1,641
30%	1,543	1,541	1,577	1,658	1,730	1,792	1,765	1,820	1,792	1,703	1,607	1,564
40%	1,436	1,433	1,509	1,572	1,643	1,713	1,667	1,616	1,653	1,595	1,507	1,462
50%	1,293	1,300	1,329	1,438	1,537	1,569	1,523	1,565	1,509	1,427	1,352	1,313
60%	1,188	1,182	1,234	1,325	1,362	1,407	1,388	1,401	1,355	1,283	1,231	1,206
70%	1,037	1,074	1,109	1,136	1,194	1,203	1,173	1,279	1,243	1,168	1,084	1,043
80%	816	824	847	888	950	1,023	1,033	1,052	1,029	949	879	837
90%	605	613	634	649	697	675	649	736	695	619	560	563
Long Term												
Full Simulation Period[a]	1,224	1,231	1,270	1,335	1,408	1,448	1,436	1,470	1,465	1,378	1,290	1,246
Water Year Types[b]												
Wet (32%)	1,420	1,427	1,495	1,615	1,724	1,782	1,809	1,917	1,963	1,863	1,745	1,677
Above Normal (15%)	1,172	1,195	1,255	1,363	1,476	1,557	1,557	1,623	1,602	1,499	1,408	1,366
Below Normal (17%)	1,162	1,167	1,190	1,229	1,308	1,348	1,336	1,394	1,389	1,301	1,216	1,180
Dry (22%)	1,286	1,286	1,302	1,315	1,348	1,374	1,331	1,287	1,247	1,170	1,099	1,066
Critical (15%)	835	835	846	856	863	843	784	711	667	609	559	537

No Action Alternative (LLT) minus Existing Condition

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-170	-177	-170	-114	0	16	-2	-9	-76	-121	-150	-156
20%	-152	-152	-125	-138	-76	-78	2	-9	-72	-145	-164	-159
30%	-86	-107	-114	-116	-120	-83	-83	-28	-58	-85	-97	-102
40%	-77	-121	-118	-117	-120	-65	-78	-118	-55	-42	-61	-73
50%	-152	-150	-147	-106	-103	-100	-106	-70	-110	-150	-145	-153
60%	-132	-164	-149	-124	-142	-91	-93	-98	-144	-152	-138	-137
70%	-136	-130	-131	-157	-107	-98	-100	-12	-97	-106	-132	-157
80%	-174	-153	-144	-125	-105	-114	-61	-92	-94	-113	-124	-138
90%	-68	-81	-93	-98	-62	-95	-48	62	-80	-123	-122	-92
Long Term												
Full Simulation Period[a]	-118	-122	-116	-103	-84	-68	-56	-56	-82	-107	-116	-118
Water Year Types[b]												
Wet (32%)	-103	-109	-94	-64	-39	-25	-14	-15	-52	-91	-105	-110
Above Normal (15%)	-116	-121	-112	-88	-61	-34	-15	-14	-63	-103	-114	-118
Below Normal (17%)	-126	-129	-131	-128	-109	-91	-80	-82	-100	-123	-132	-134
Dry (22%)	-118	-121	-122	-123	-113	-103	-87	-88	-103	-117	-122	-124
Critical (15%)	-141	-142	-143	-140	-131	-120	-111	-108	-110	-112	-111	-110

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-6-2. New Melones Reservoir, End of Month Storage

Existing Condition

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,870	1,878	1,931	1,952	1,970	1,990	1,970	2,080	2,142	2,068	1,973	1,914
20%	1,757	1,758	1,787	1,845	1,932	1,956	1,875	1,928	1,990	1,947	1,854	1,799
30%	1,629	1,648	1,690	1,774	1,850	1,874	1,848	1,848	1,850	1,788	1,704	1,666
40%	1,513	1,554	1,627	1,689	1,764	1,778	1,745	1,734	1,708	1,638	1,568	1,535
50%	1,444	1,450	1,476	1,544	1,640	1,668	1,629	1,635	1,619	1,577	1,497	1,466
60%	1,320	1,346	1,383	1,449	1,504	1,497	1,481	1,498	1,500	1,436	1,369	1,343
70%	1,173	1,204	1,239	1,293	1,301	1,302	1,274	1,291	1,340	1,274	1,216	1,201
80%	990	976	991	1,013	1,055	1,138	1,094	1,144	1,123	1,062	1,003	975
90%	674	694	727	747	760	770	697	674	775	742	682	655
Long Term												
Full Simulation Period[a]	1,342	1,353	1,387	1,438	1,492	1,516	1,492	1,526	1,547	1,485	1,406	1,364
Water Year Types[b]												
Wet (32%)	1,523	1,536	1,589	1,680	1,763	1,807	1,823	1,932	2,015	1,954	1,850	1,787
Above Normal (15%)	1,289	1,316	1,367	1,451	1,537	1,591	1,572	1,638	1,666	1,602	1,522	1,484
Below Normal (17%)	1,287	1,297	1,322	1,357	1,417	1,438	1,416	1,476	1,489	1,425	1,349	1,314
Dry (22%)	1,403	1,407	1,424	1,438	1,461	1,477	1,418	1,375	1,350	1,287	1,221	1,190
Critical (15%)	976	977	990	996	994	963	895	820	777	721	670	647

Alternative 1A,1B,1C (LLT)

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,701	1,701	1,762	1,838	1,970	2,006	1,969	2,071	2,066	1,947	1,824	1,758
20%	1,609	1,609	1,663	1,708	1,857	1,879	1,878	1,919	1,920	1,810	1,690	1,646
30%	1,543	1,541	1,587	1,663	1,735	1,796	1,766	1,820	1,792	1,703	1,608	1,563
40%	1,437	1,434	1,509	1,572	1,643	1,713	1,668	1,617	1,654	1,596	1,508	1,463
50%	1,293	1,300	1,330	1,439	1,537	1,569	1,523	1,565	1,510	1,427	1,352	1,313
60%	1,188	1,181	1,235	1,325	1,362	1,408	1,389	1,401	1,356	1,284	1,231	1,205
70%	1,037	1,075	1,114	1,136	1,194	1,204	1,173	1,279	1,242	1,167	1,084	1,044
80%	817	825	848	889	950	1,031	1,033	1,052	1,030	950	880	838
90%	604	612	633	648	697	675	649	735	694	618	559	562
Long Term												
Full Simulation Period[a]	1,225	1,232	1,271	1,336	1,409	1,449	1,437	1,471	1,466	1,379	1,291	1,246
Water Year Types[b]												
Wet (32%)	1,420	1,427	1,496	1,617	1,726	1,783	1,810	1,919	1,965	1,864	1,746	1,678
Above Normal (15%)	1,173	1,195	1,255	1,363	1,477	1,557	1,557	1,624	1,603	1,500	1,409	1,366
Below Normal (17%)	1,162	1,168	1,190	1,229	1,308	1,348	1,336	1,394	1,389	1,302	1,216	1,180
Dry (22%)	1,286	1,286	1,302	1,315	1,348	1,375	1,332	1,287	1,247	1,170	1,099	1,066
Critical (15%)	837	837	848	857	864	844	786	713	669	610	561	539

Alternative 1A,1B,1C (LLT) minus Existing Condition

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-170	-177	-169	-114	0	16	-2	-9	-76	-121	-150	-156
20%	-148	-149	-124	-137	-75	-77	3	-9	-70	-137	-164	-153
30%	-86	-107	-103	-111	-114	-78	-82	-28	-59	-86	-97	-102
40%	-76	-121	-117	-117	-120	-65	-77	-117	-54	-42	-60	-73
50%	-151	-150	-146	-106	-103	-99	-106	-70	-110	-150	-145	-153
60%	-132	-165	-148	-123	-142	-89	-92	-97	-144	-152	-138	-138
70%	-136	-129	-126	-157	-107	-98	-100	-12	-98	-107	-132	-157
80%	-173	-151	-143	-124	-105	-107	-61	-92	-92	-112	-123	-137
90%	-69	-82	-94	-99	-62	-95	-48	61	-81	-124	-123	-93
Long Term												
Full Simulation Period[a]	-117	-121	-116	-102	-83	-68	-55	-55	-81	-106	-115	-117
Water Year Types[b]												
Wet (32%)	-102	-109	-93	-63	-37	-24	-13	-13	-51	-89	-104	-108
Above Normal (15%)	-116	-120	-111	-87	-60	-34	-15	-14	-63	-102	-114	-117
Below Normal (17%)	-125	-129	-131	-128	-109	-90	-80	-82	-100	-123	-132	-133
Dry (22%)	-117	-121	-122	-123	-113	-102	-86	-88	-103	-117	-121	-124
Critical (15%)	-140	-141	-142	-139	-129	-118	-109	-107	-109	-111	-109	-108

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-6-3. New Melones Reservoir, End of Month Storage

Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,870	1,878	1,931	1,952	1,970	1,990	1,970	2,080	2,142	2,068	1,973	1,914
20%	1,757	1,758	1,787	1,845	1,932	1,956	1,875	1,928	1,990	1,947	1,854	1,799
30%	1,629	1,648	1,690	1,774	1,850	1,874	1,848	1,848	1,850	1,788	1,704	1,666
40%	1,513	1,554	1,627	1,689	1,764	1,778	1,745	1,734	1,708	1,638	1,568	1,535
50%	1,444	1,450	1,476	1,544	1,640	1,668	1,629	1,635	1,619	1,577	1,497	1,466
60%	1,320	1,346	1,383	1,449	1,504	1,497	1,481	1,498	1,500	1,436	1,369	1,343
70%	1,173	1,204	1,239	1,293	1,301	1,302	1,274	1,291	1,340	1,274	1,216	1,201
80%	990	976	991	1,013	1,055	1,138	1,094	1,144	1,123	1,062	1,003	975
90%	674	694	727	747	760	770	697	674	775	742	682	655
Long Term												
Full Simulation Period[a]	1,342	1,353	1,387	1,438	1,492	1,516	1,492	1,526	1,547	1,485	1,406	1,364
Water Year Types[b]												
Wet (32%)	1,523	1,536	1,589	1,680	1,763	1,807	1,823	1,932	2,015	1,954	1,850	1,787
Above Normal (15%)	1,289	1,316	1,367	1,451	1,537	1,591	1,572	1,638	1,666	1,602	1,522	1,484
Below Normal (17%)	1,287	1,297	1,322	1,357	1,417	1,438	1,416	1,476	1,489	1,425	1,349	1,314
Dry (22%)	1,403	1,407	1,424	1,438	1,461	1,477	1,418	1,375	1,350	1,287	1,221	1,190
Critical (15%)	976	977	990	996	994	963	895	820	777	721	670	647

Alternative 2A,2B,2C (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,701	1,701	1,761	1,838	1,969	2,005	1,969	2,070	2,066	1,947	1,824	1,758
20%	1,605	1,603	1,654	1,700	1,856	1,879	1,878	1,919	1,909	1,792	1,685	1,639
30%	1,543	1,541	1,574	1,650	1,728	1,782	1,765	1,820	1,788	1,703	1,608	1,564
40%	1,437	1,433	1,509	1,572	1,643	1,714	1,667	1,616	1,654	1,596	1,507	1,462
50%	1,293	1,300	1,329	1,439	1,537	1,569	1,523	1,565	1,505	1,423	1,350	1,313
60%	1,187	1,181	1,235	1,325	1,362	1,402	1,389	1,401	1,355	1,283	1,231	1,205
70%	1,037	1,074	1,102	1,135	1,194	1,203	1,173	1,279	1,242	1,167	1,084	1,043
80%	816	824	847	888	950	1,021	1,033	1,052	1,029	949	879	837
90%	605	613	634	649	698	675	649	736	695	619	560	563
Long Term												
Full Simulation Period[a]	1,223	1,230	1,269	1,334	1,407	1,447	1,435	1,469	1,465	1,377	1,289	1,245
Water Year Types[b]												
Wet (32%)	1,419	1,426	1,493	1,614	1,723	1,781	1,808	1,916	1,962	1,862	1,744	1,676
Above Normal (15%)	1,171	1,193	1,253	1,361	1,475	1,555	1,555	1,622	1,601	1,498	1,407	1,364
Below Normal (17%)	1,161	1,166	1,189	1,228	1,307	1,347	1,335	1,393	1,388	1,300	1,215	1,179
Dry (22%)	1,285	1,286	1,301	1,315	1,347	1,374	1,331	1,286	1,246	1,169	1,099	1,066
Critical (15%)	834	834	845	854	862	842	783	710	666	608	558	536

Alternative 2A,2B,2C (LLT) minus Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-170	-177	-170	-114	-1	15	-2	-10	-76	-121	-150	-156
20%	-152	-156	-133	-145	-75	-78	2	-9	-82	-155	-169	-160
30%	-86	-107	-116	-123	-122	-92	-83	-28	-62	-85	-97	-102
40%	-77	-121	-118	-117	-120	-64	-77	-118	-54	-42	-61	-73
50%	-152	-150	-146	-106	-103	-99	-106	-70	-114	-154	-147	-153
60%	-133	-166	-148	-124	-142	-95	-93	-98	-144	-152	-138	-138
70%	-136	-130	-137	-158	-107	-99	-101	-11	-98	-107	-132	-157
80%	-174	-152	-144	-125	-105	-116	-61	-92	-93	-113	-124	-138
90%	-68	-81	-93	-98	-62	-95	-47	62	-80	-123	-122	-92
Long Term												
Full Simulation Period[a]	-119	-123	-118	-104	-85	-69	-57	-57	-83	-108	-116	-119
Water Year Types[b]												
Wet (32%)	-104	-110	-96	-66	-40	-26	-15	-16	-53	-91	-106	-110
Above Normal (15%)	-118	-123	-114	-89	-62	-36	-17	-16	-65	-104	-116	-119
Below Normal (17%)	-127	-131	-132	-129	-110	-92	-81	-83	-101	-124	-134	-135
Dry (22%)	-118	-122	-122	-123	-114	-103	-87	-88	-103	-118	-122	-124
Critical (15%)	-143	-144	-145	-142	-132	-121	-112	-110	-111	-113	-112	-111

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-6-4. New Melones Reservoir, End of Month Storage

Existing Condition

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,870	1,878	1,931	1,952	1,970	1,990	1,970	2,080	2,142	2,068	1,973	1,914
20%	1,757	1,758	1,787	1,845	1,932	1,956	1,875	1,928	1,990	1,947	1,854	1,799
30%	1,629	1,648	1,690	1,774	1,850	1,874	1,848	1,848	1,850	1,788	1,704	1,666
40%	1,513	1,554	1,627	1,689	1,764	1,778	1,745	1,734	1,708	1,638	1,568	1,535
50%	1,444	1,450	1,476	1,544	1,640	1,668	1,629	1,635	1,619	1,577	1,497	1,466
60%	1,320	1,346	1,383	1,449	1,504	1,497	1,481	1,498	1,500	1,436	1,369	1,343
70%	1,173	1,204	1,239	1,293	1,301	1,302	1,274	1,291	1,340	1,274	1,216	1,201
80%	990	976	991	1,013	1,055	1,138	1,094	1,144	1,123	1,062	1,003	975
90%	674	694	727	747	760	770	697	674	775	742	682	655
Long Term												
Full Simulation Period[a]	1,342	1,353	1,387	1,438	1,492	1,516	1,492	1,526	1,547	1,485	1,406	1,364
Water Year Types[b]												
Wet (32%)	1,523	1,536	1,589	1,680	1,763	1,807	1,823	1,932	2,015	1,954	1,850	1,787
Above Normal (15%)	1,289	1,316	1,367	1,451	1,537	1,591	1,572	1,638	1,666	1,602	1,522	1,484
Below Normal (17%)	1,287	1,297	1,322	1,357	1,417	1,438	1,416	1,476	1,489	1,425	1,349	1,314
Dry (22%)	1,403	1,407	1,424	1,438	1,461	1,477	1,418	1,375	1,350	1,287	1,221	1,190
Critical (15%)	976	977	990	996	994	963	895	820	777	721	670	647

Alternative 3 (LLT)

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,701	1,701	1,762	1,838	1,970	2,006	1,969	2,071	2,066	1,947	1,824	1,758
20%	1,609	1,609	1,663	1,708	1,857	1,879	1,880	1,919	1,920	1,810	1,690	1,646
30%	1,543	1,541	1,587	1,663	1,735	1,796	1,766	1,820	1,792	1,703	1,608	1,563
40%	1,437	1,434	1,509	1,572	1,643	1,713	1,668	1,617	1,654	1,596	1,508	1,463
50%	1,293	1,300	1,330	1,439	1,537	1,569	1,523	1,565	1,510	1,427	1,352	1,313
60%	1,188	1,182	1,235	1,325	1,362	1,408	1,389	1,401	1,356	1,284	1,231	1,206
70%	1,038	1,075	1,114	1,136	1,194	1,204	1,173	1,279	1,243	1,168	1,084	1,044
80%	817	825	848	889	950	1,031	1,033	1,052	1,031	950	880	838
90%	605	613	634	649	697	675	649	736	695	619	560	563
Long Term												
Full Simulation Period[a]	1,225	1,232	1,271	1,336	1,409	1,449	1,437	1,471	1,466	1,379	1,291	1,247
Water Year Types[b]												
Wet (32%)	1,420	1,428	1,496	1,617	1,726	1,783	1,810	1,919	1,965	1,864	1,746	1,678
Above Normal (15%)	1,173	1,195	1,256	1,364	1,477	1,557	1,557	1,624	1,603	1,500	1,409	1,367
Below Normal (17%)	1,162	1,168	1,191	1,230	1,308	1,349	1,337	1,394	1,390	1,302	1,217	1,181
Dry (22%)	1,286	1,286	1,302	1,315	1,348	1,375	1,332	1,287	1,247	1,170	1,099	1,066
Critical (15%)	837	837	848	857	864	844	786	713	669	611	561	539

Alternative 3 (LLT) minus Existing Condition

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-170	-177	-169	-114	0	16	-2	-9	-76	-121	-150	-156
20%	-148	-149	-124	-137	-75	-77	4	-9	-70	-137	-164	-153
30%	-86	-107	-103	-111	-114	-78	-82	-28	-59	-86	-97	-102
40%	-76	-120	-117	-117	-120	-65	-77	-117	-54	-42	-60	-72
50%	-151	-150	-146	-106	-103	-99	-106	-70	-110	-150	-145	-153
60%	-133	-165	-148	-123	-142	-89	-92	-97	-144	-152	-138	-137
70%	-136	-129	-126	-157	-107	-97	-100	-12	-97	-106	-132	-157
80%	-173	-151	-143	-124	-105	-107	-61	-92	-92	-112	-123	-137
90%	-69	-81	-93	-98	-62	-95	-48	62	-81	-123	-122	-92
Long Term												
Full Simulation Period[a]	-117	-121	-116	-102	-83	-67	-55	-55	-81	-106	-115	-117
Water Year Types[b]												
Wet (32%)	-102	-109	-93	-63	-37	-23	-13	-13	-51	-89	-104	-108
Above Normal (15%)	-116	-120	-111	-87	-60	-34	-15	-14	-63	-102	-114	-117
Below Normal (17%)	-125	-129	-131	-128	-108	-90	-79	-81	-99	-123	-132	-133
Dry (22%)	-117	-121	-122	-123	-113	-102	-86	-88	-103	-117	-121	-124
Critical (15%)	-140	-141	-142	-139	-129	-118	-109	-107	-109	-110	-109	-108

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-6-5. New Melones Reservoir, End of Month Storage

Existing Condition

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,870	1,878	1,931	1,952	1,970	1,990	1,970	2,080	2,142	2,068	1,973	1,914
20%	1,757	1,758	1,787	1,845	1,932	1,956	1,875	1,928	1,990	1,947	1,854	1,799
30%	1,629	1,648	1,690	1,774	1,850	1,874	1,848	1,848	1,850	1,788	1,704	1,666
40%	1,513	1,554	1,627	1,689	1,764	1,778	1,745	1,734	1,708	1,638	1,568	1,535
50%	1,444	1,450	1,476	1,544	1,640	1,668	1,629	1,635	1,619	1,577	1,497	1,466
60%	1,320	1,346	1,383	1,449	1,504	1,497	1,481	1,498	1,500	1,436	1,369	1,343
70%	1,173	1,204	1,239	1,293	1,301	1,302	1,274	1,291	1,340	1,274	1,216	1,201
80%	990	976	991	1,013	1,055	1,138	1,094	1,144	1,123	1,062	1,003	975
90%	674	694	727	747	760	770	697	674	775	742	682	655
Long Term												
Full Simulation Period[a]	1,342	1,353	1,387	1,438	1,492	1,516	1,492	1,526	1,547	1,485	1,406	1,364
Water Year Types[b]												
Wet (32%)	1,523	1,536	1,589	1,680	1,763	1,807	1,823	1,932	2,015	1,954	1,850	1,787
Above Normal (15%)	1,289	1,316	1,367	1,451	1,537	1,591	1,572	1,638	1,666	1,602	1,522	1,484
Below Normal (17%)	1,287	1,297	1,322	1,357	1,417	1,438	1,416	1,476	1,489	1,425	1,349	1,314
Dry (22%)	1,403	1,407	1,424	1,438	1,461	1,477	1,418	1,375	1,350	1,287	1,221	1,190
Critical (15%)	976	977	990	996	994	963	895	820	777	721	670	647

Alternative 4 H1 (LLT)

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,701	1,701	1,762	1,838	1,969	2,005	1,969	2,069	2,066	1,947	1,824	1,758
20%	1,605	1,603	1,652	1,698	1,857	1,879	1,878	1,919	1,906	1,790	1,683	1,639
30%	1,543	1,541	1,574	1,648	1,728	1,780	1,765	1,820	1,788	1,703	1,608	1,564
40%	1,437	1,433	1,509	1,572	1,643	1,714	1,668	1,617	1,654	1,596	1,507	1,462
50%	1,293	1,300	1,330	1,439	1,537	1,569	1,523	1,565	1,504	1,422	1,348	1,313
60%	1,186	1,181	1,235	1,325	1,362	1,401	1,389	1,401	1,356	1,283	1,231	1,204
70%	1,037	1,074	1,101	1,134	1,194	1,203	1,173	1,279	1,242	1,167	1,084	1,044
80%	816	825	847	889	950	1,020	1,033	1,052	1,030	949	880	837
90%	605	613	634	649	697	675	649	736	695	619	560	563
Long Term												
Full Simulation Period[a]	1,223	1,230	1,269	1,334	1,407	1,447	1,435	1,469	1,464	1,377	1,289	1,245
Water Year Types[b]												
Wet (32%)	1,419	1,426	1,493	1,614	1,723	1,781	1,808	1,916	1,962	1,862	1,744	1,676
Above Normal (15%)	1,170	1,193	1,253	1,361	1,474	1,555	1,555	1,621	1,601	1,497	1,406	1,364
Below Normal (17%)	1,161	1,166	1,189	1,228	1,307	1,347	1,335	1,393	1,388	1,300	1,215	1,179
Dry (22%)	1,285	1,285	1,301	1,314	1,347	1,374	1,331	1,286	1,246	1,169	1,099	1,066
Critical (15%)	834	833	845	854	862	841	783	710	666	608	558	536

Alternative 4 H1 (LLT) minus Existing Condition

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-170	-177	-169	-114	-1	15	-2	-11	-76	-121	-150	-156
20%	-151	-156	-135	-147	-75	-77	2	-9	-84	-157	-171	-161
30%	-86	-107	-116	-125	-122	-94	-82	-28	-62	-85	-97	-102
40%	-76	-121	-117	-117	-120	-64	-77	-118	-55	-42	-61	-73
50%	-151	-150	-146	-106	-103	-99	-106	-70	-116	-156	-148	-153
60%	-134	-166	-148	-124	-142	-96	-93	-97	-144	-152	-138	-139
70%	-136	-129	-139	-159	-107	-98	-101	-12	-98	-107	-132	-157
80%	-173	-152	-143	-124	-105	-118	-61	-92	-93	-112	-124	-137
90%	-68	-81	-93	-98	-62	-95	-48	62	-80	-123	-122	-92
Long Term												
Full Simulation Period[a]	-119	-123	-118	-104	-85	-70	-57	-57	-83	-108	-117	-119
Water Year Types[b]												
Wet (32%)	-104	-110	-96	-66	-40	-26	-15	-16	-53	-92	-106	-110
Above Normal (15%)	-118	-123	-114	-90	-63	-36	-17	-16	-65	-105	-116	-120
Below Normal (17%)	-127	-131	-132	-130	-110	-92	-81	-83	-101	-124	-134	-135
Dry (22%)	-118	-122	-123	-123	-114	-103	-87	-89	-104	-118	-122	-124
Critical (15%)	-143	-144	-145	-142	-132	-121	-112	-110	-112	-113	-112	-111

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-6-6. New Melones Reservoir, End of Month Storage

Existing Condition

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,870	1,878	1,931	1,952	1,970	1,990	1,970	2,080	2,142	2,068	1,973	1,914
20%	1,757	1,758	1,787	1,845	1,932	1,956	1,875	1,928	1,990	1,947	1,854	1,799
30%	1,629	1,648	1,690	1,774	1,850	1,874	1,848	1,848	1,850	1,788	1,704	1,666
40%	1,513	1,554	1,627	1,689	1,764	1,778	1,745	1,734	1,708	1,638	1,568	1,535
50%	1,444	1,450	1,476	1,544	1,640	1,668	1,629	1,635	1,619	1,577	1,497	1,466
60%	1,320	1,346	1,383	1,449	1,504	1,497	1,481	1,498	1,500	1,436	1,369	1,343
70%	1,173	1,204	1,239	1,293	1,301	1,302	1,274	1,291	1,340	1,274	1,216	1,201
80%	990	976	991	1,013	1,055	1,138	1,094	1,144	1,123	1,062	1,003	975
90%	674	694	727	747	760	770	697	674	775	742	682	655
Long Term												
Full Simulation Period[a]	1,342	1,353	1,387	1,438	1,492	1,516	1,492	1,526	1,547	1,485	1,406	1,364
Water Year Types[b]												
Wet (32%)	1,523	1,536	1,589	1,680	1,763	1,807	1,823	1,932	2,015	1,954	1,850	1,787
Above Normal (15%)	1,289	1,316	1,367	1,451	1,537	1,591	1,572	1,638	1,666	1,602	1,522	1,484
Below Normal (17%)	1,287	1,297	1,322	1,357	1,417	1,438	1,416	1,476	1,489	1,425	1,349	1,314
Dry (22%)	1,403	1,407	1,424	1,438	1,461	1,477	1,418	1,375	1,350	1,287	1,221	1,190
Critical (15%)	976	977	990	996	994	963	895	820	777	721	670	647

Alternative 4 H2 (LLT)

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,701	1,701	1,762	1,838	1,970	2,006	1,969	2,071	2,066	1,947	1,824	1,758
20%	1,608	1,608	1,663	1,708	1,856	1,879	1,883	1,919	1,920	1,810	1,690	1,646
30%	1,543	1,541	1,587	1,663	1,735	1,796	1,765	1,820	1,792	1,703	1,608	1,563
40%	1,437	1,433	1,509	1,572	1,643	1,713	1,667	1,617	1,653	1,596	1,507	1,462
50%	1,293	1,300	1,329	1,439	1,537	1,569	1,524	1,566	1,510	1,427	1,353	1,314
60%	1,188	1,184	1,236	1,326	1,362	1,409	1,389	1,401	1,355	1,283	1,231	1,207
70%	1,037	1,074	1,115	1,138	1,194	1,205	1,174	1,280	1,246	1,171	1,084	1,043
80%	816	824	848	889	951	1,031	1,033	1,051	1,030	949	879	837
90%	604	612	633	648	697	678	650	735	694	618	559	562
Long Term												
Full Simulation Period[a]	1,226	1,232	1,272	1,337	1,409	1,449	1,438	1,471	1,467	1,379	1,291	1,247
Water Year Types[b]												
Wet (32%)	1,420	1,428	1,496	1,617	1,726	1,783	1,810	1,919	1,965	1,864	1,746	1,678
Above Normal (15%)	1,174	1,196	1,256	1,364	1,477	1,558	1,557	1,624	1,603	1,500	1,409	1,367
Below Normal (17%)	1,163	1,169	1,192	1,231	1,309	1,349	1,337	1,395	1,391	1,303	1,218	1,181
Dry (22%)	1,286	1,287	1,302	1,316	1,348	1,375	1,332	1,287	1,247	1,170	1,100	1,067
Critical (15%)	838	838	849	858	865	845	787	714	670	613	563	541

Alternative 4 H2 (LLT) minus Existing Condition

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-170	-177	-169	-114	0	16	-2	-9	-76	-121	-150	-156
20%	-148	-150	-124	-137	-75	-77	8	-9	-70	-137	-164	-153
30%	-86	-107	-103	-111	-114	-78	-82	-28	-59	-85	-97	-102
40%	-77	-121	-117	-117	-120	-64	-77	-118	-55	-42	-61	-73
50%	-152	-150	-146	-106	-103	-99	-105	-69	-110	-150	-143	-152
60%	-133	-162	-147	-122	-141	-88	-93	-97	-144	-152	-138	-135
70%	-136	-130	-125	-155	-107	-97	-100	-11	-94	-102	-132	-157
80%	-174	-152	-143	-124	-104	-107	-61	-92	-93	-113	-124	-138
90%	-70	-82	-94	-99	-63	-92	-47	61	-82	-124	-123	-93
Long Term												
Full Simulation Period[a]	-116	-121	-115	-101	-82	-67	-54	-55	-80	-106	-114	-117
Water Year Types[b]												
Wet (32%)	-102	-108	-93	-63	-37	-23	-13	-13	-51	-90	-104	-109
Above Normal (15%)	-115	-120	-111	-86	-60	-33	-15	-14	-62	-102	-114	-117
Below Normal (17%)	-124	-128	-130	-127	-108	-89	-78	-80	-99	-122	-131	-132
Dry (22%)	-117	-121	-121	-122	-113	-102	-86	-88	-103	-117	-121	-124
Critical (15%)	-139	-140	-141	-138	-128	-117	-108	-106	-107	-109	-107	-106

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-6-7. New Melones Reservoir, End of Month Storage

Existing Condition

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,870	1,878	1,931	1,952	1,970	1,990	1,970	2,080	2,142	2,068	1,973	1,914
20%	1,757	1,758	1,787	1,845	1,932	1,956	1,875	1,928	1,990	1,947	1,854	1,799
30%	1,629	1,648	1,690	1,774	1,850	1,874	1,848	1,848	1,850	1,788	1,704	1,666
40%	1,513	1,554	1,627	1,689	1,764	1,778	1,745	1,734	1,708	1,638	1,568	1,535
50%	1,444	1,450	1,476	1,544	1,640	1,668	1,629	1,635	1,619	1,577	1,497	1,466
60%	1,320	1,346	1,383	1,449	1,504	1,497	1,481	1,498	1,500	1,436	1,369	1,343
70%	1,173	1,204	1,239	1,293	1,301	1,302	1,274	1,291	1,340	1,274	1,216	1,201
80%	990	976	991	1,013	1,055	1,138	1,094	1,144	1,123	1,062	1,003	975
90%	674	694	727	747	760	770	697	674	775	742	682	655
Long Term												
Full Simulation Period[a]	1,342	1,353	1,387	1,438	1,492	1,516	1,492	1,526	1,547	1,485	1,406	1,364
Water Year Types[b]												
Wet (32%)	1,523	1,536	1,589	1,680	1,763	1,807	1,823	1,932	2,015	1,954	1,850	1,787
Above Normal (15%)	1,289	1,316	1,367	1,451	1,537	1,591	1,572	1,638	1,666	1,602	1,522	1,484
Below Normal (17%)	1,287	1,297	1,322	1,357	1,417	1,438	1,416	1,476	1,489	1,425	1,349	1,314
Dry (22%)	1,403	1,407	1,424	1,438	1,461	1,477	1,418	1,375	1,350	1,287	1,221	1,190
Critical (15%)	976	977	990	996	994	963	895	820	777	721	670	647

Alternative 4 H3 (LLT)

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,701	1,701	1,762	1,838	1,969	2,005	1,969	2,070	2,066	1,947	1,824	1,758
20%	1,605	1,603	1,653	1,699	1,857	1,879	1,878	1,919	1,906	1,790	1,682	1,638
30%	1,543	1,541	1,574	1,649	1,728	1,780	1,765	1,820	1,788	1,703	1,608	1,564
40%	1,437	1,433	1,509	1,572	1,643	1,714	1,667	1,617	1,654	1,596	1,507	1,462
50%	1,293	1,300	1,330	1,439	1,538	1,569	1,523	1,565	1,504	1,422	1,349	1,313
60%	1,186	1,181	1,235	1,325	1,362	1,402	1,389	1,401	1,356	1,283	1,231	1,205
70%	1,037	1,074	1,101	1,135	1,194	1,203	1,173	1,279	1,242	1,167	1,085	1,044
80%	816	825	847	889	950	1,021	1,033	1,052	1,030	950	880	837
90%	605	613	634	649	697	675	649	736	695	619	560	563
Long Term												
Full Simulation Period[a]	1,223	1,230	1,269	1,334	1,407	1,447	1,435	1,469	1,464	1,377	1,289	1,245
Water Year Types[b]												
Wet (32%)	1,419	1,426	1,493	1,614	1,723	1,781	1,808	1,916	1,962	1,862	1,744	1,676
Above Normal (15%)	1,170	1,193	1,253	1,361	1,475	1,555	1,555	1,622	1,601	1,497	1,406	1,364
Below Normal (17%)	1,161	1,166	1,189	1,228	1,307	1,347	1,335	1,393	1,388	1,300	1,215	1,179
Dry (22%)	1,285	1,286	1,301	1,315	1,347	1,374	1,331	1,286	1,246	1,169	1,099	1,066
Critical (15%)	833	833	844	854	861	841	783	710	666	608	558	536

Alternative 4 H3 (LLT) minus Existing Condition

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-170	-177	-169	-114	-1	15	-2	-10	-76	-121	-150	-156
20%	-151	-156	-134	-146	-75	-77	2	-9	-84	-157	-171	-161
30%	-86	-107	-116	-125	-122	-95	-82	-28	-63	-85	-97	-102
40%	-77	-121	-118	-117	-120	-64	-77	-118	-54	-42	-61	-73
50%	-151	-150	-146	-106	-102	-99	-106	-70	-115	-155	-148	-153
60%	-134	-166	-148	-124	-142	-96	-93	-97	-144	-152	-138	-138
70%	-136	-129	-138	-159	-107	-98	-101	-11	-98	-106	-131	-157
80%	-173	-152	-143	-124	-105	-117	-61	-92	-93	-112	-124	-137
90%	-68	-81	-93	-98	-62	-95	-48	62	-80	-123	-122	-92
Long Term												
Full Simulation Period[a]	-119	-123	-118	-104	-85	-70	-57	-57	-83	-108	-117	-119
Water Year Types[b]												
Wet (32%)	-104	-110	-96	-66	-40	-26	-15	-16	-53	-92	-106	-110
Above Normal (15%)	-118	-123	-114	-90	-62	-36	-17	-16	-65	-104	-116	-120
Below Normal (17%)	-127	-131	-132	-129	-110	-92	-81	-83	-101	-124	-134	-135
Dry (22%)	-118	-122	-122	-123	-114	-103	-87	-88	-103	-118	-122	-124
Critical (15%)	-143	-144	-145	-142	-133	-122	-113	-110	-112	-113	-112	-111

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-6-8. New Melones Reservoir, End of Month Storage

Existing Condition

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,870	1,878	1,931	1,952	1,970	1,990	1,970	2,080	2,142	2,068	1,973	1,914
20%	1,757	1,758	1,787	1,845	1,932	1,956	1,875	1,928	1,990	1,947	1,854	1,799
30%	1,629	1,648	1,690	1,774	1,850	1,874	1,848	1,848	1,850	1,788	1,704	1,666
40%	1,513	1,554	1,627	1,689	1,764	1,778	1,745	1,734	1,708	1,638	1,568	1,535
50%	1,444	1,450	1,476	1,544	1,640	1,668	1,629	1,635	1,619	1,577	1,497	1,466
60%	1,320	1,346	1,383	1,449	1,504	1,497	1,481	1,498	1,500	1,436	1,369	1,343
70%	1,173	1,204	1,239	1,293	1,301	1,302	1,274	1,291	1,340	1,274	1,216	1,201
80%	990	976	991	1,013	1,055	1,138	1,094	1,144	1,123	1,062	1,003	975
90%	674	694	727	747	760	770	697	674	775	742	682	655
Long Term												
Full Simulation Period[a]	1,342	1,353	1,387	1,438	1,492	1,516	1,492	1,526	1,547	1,485	1,406	1,364
Water Year Types[b]												
Wet (32%)	1,523	1,536	1,589	1,680	1,763	1,807	1,823	1,932	2,015	1,954	1,850	1,787
Above Normal (15%)	1,289	1,316	1,367	1,451	1,537	1,591	1,572	1,638	1,666	1,602	1,522	1,484
Below Normal (17%)	1,287	1,297	1,322	1,357	1,417	1,438	1,416	1,476	1,489	1,425	1,349	1,314
Dry (22%)	1,403	1,407	1,424	1,438	1,461	1,477	1,418	1,375	1,350	1,287	1,221	1,190
Critical (15%)	976	977	990	996	994	963	895	820	777	721	670	647

Alternative 4 H4 (LLT)

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,701	1,701	1,761	1,838	1,970	2,006	1,969	2,071	2,066	1,947	1,824	1,758
20%	1,608	1,608	1,663	1,708	1,856	1,878	1,883	1,919	1,920	1,810	1,690	1,646
30%	1,543	1,541	1,586	1,663	1,735	1,796	1,765	1,820	1,792	1,703	1,608	1,564
40%	1,436	1,433	1,509	1,572	1,643	1,714	1,667	1,616	1,653	1,595	1,507	1,462
50%	1,293	1,300	1,329	1,439	1,537	1,569	1,524	1,566	1,510	1,428	1,353	1,314
60%	1,188	1,184	1,236	1,326	1,363	1,411	1,389	1,401	1,355	1,283	1,231	1,207
70%	1,037	1,074	1,115	1,138	1,194	1,204	1,174	1,280	1,246	1,171	1,084	1,043
80%	816	824	847	888	951	1,032	1,033	1,051	1,029	949	879	837
90%	605	613	634	649	697	678	650	736	695	619	560	563
Long Term												
Full Simulation Period[a]	1,226	1,232	1,272	1,337	1,410	1,449	1,438	1,471	1,467	1,380	1,292	1,247
Water Year Types[b]												
Wet (32%)	1,420	1,427	1,496	1,617	1,726	1,783	1,810	1,919	1,964	1,864	1,746	1,678
Above Normal (15%)	1,174	1,197	1,257	1,365	1,477	1,558	1,558	1,625	1,604	1,500	1,409	1,367
Below Normal (17%)	1,163	1,169	1,192	1,231	1,309	1,350	1,337	1,395	1,391	1,303	1,218	1,182
Dry (22%)	1,286	1,287	1,302	1,316	1,348	1,375	1,332	1,287	1,247	1,170	1,100	1,067
Critical (15%)	838	838	849	859	866	846	787	715	670	613	563	541

Alternative 4 H4 (LLT) minus Existing Condition

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-170	-177	-170	-114	0	16	-2	-9	-76	-121	-150	-156
20%	-148	-150	-124	-137	-76	-78	8	-9	-70	-137	-164	-153
30%	-86	-107	-104	-111	-115	-78	-83	-28	-58	-85	-97	-102
40%	-77	-121	-118	-117	-120	-64	-78	-118	-55	-42	-61	-73
50%	-152	-150	-146	-106	-103	-99	-105	-69	-110	-150	-143	-152
60%	-133	-162	-147	-123	-141	-86	-93	-98	-144	-152	-138	-135
70%	-136	-130	-124	-155	-107	-97	-100	-11	-94	-103	-132	-157
80%	-174	-152	-144	-125	-104	-106	-61	-92	-94	-113	-124	-138
90%	-68	-81	-93	-98	-62	-92	-47	62	-80	-123	-122	-92
Long Term												
Full Simulation Period[a]	-116	-121	-115	-101	-82	-67	-54	-55	-80	-106	-114	-117
Water Year Types[b]												
Wet (32%)	-102	-109	-93	-63	-37	-24	-13	-13	-51	-90	-104	-109
Above Normal (15%)	-114	-119	-110	-86	-60	-33	-14	-13	-62	-102	-113	-117
Below Normal (17%)	-124	-128	-130	-127	-107	-89	-78	-80	-98	-122	-131	-132
Dry (22%)	-117	-121	-121	-122	-113	-102	-86	-88	-103	-117	-121	-124
Critical (15%)	-138	-140	-141	-138	-128	-117	-108	-105	-107	-108	-107	-106

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-6-9. New Melones Reservoir, End of Month Storage

Existing Condition

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,870	1,878	1,931	1,952	1,970	1,990	1,970	2,080	2,142	2,068	1,973	1,914
20%	1,757	1,758	1,787	1,845	1,932	1,956	1,875	1,928	1,990	1,947	1,854	1,799
30%	1,629	1,648	1,690	1,774	1,850	1,874	1,848	1,848	1,850	1,788	1,704	1,666
40%	1,513	1,554	1,627	1,689	1,764	1,778	1,745	1,734	1,708	1,638	1,568	1,535
50%	1,444	1,450	1,476	1,544	1,640	1,668	1,629	1,635	1,619	1,577	1,497	1,466
60%	1,320	1,346	1,383	1,449	1,504	1,497	1,481	1,498	1,500	1,436	1,369	1,343
70%	1,173	1,204	1,239	1,293	1,301	1,302	1,274	1,291	1,340	1,274	1,216	1,201
80%	990	976	991	1,013	1,055	1,138	1,094	1,144	1,123	1,062	1,003	975
90%	674	694	727	747	760	770	697	674	775	742	682	655
Long Term												
Full Simulation Period[a]	1,342	1,353	1,387	1,438	1,492	1,516	1,492	1,526	1,547	1,485	1,406	1,364
Water Year Types[b]												
Wet (32%)	1,523	1,536	1,589	1,680	1,763	1,807	1,823	1,932	2,015	1,954	1,850	1,787
Above Normal (15%)	1,289	1,316	1,367	1,451	1,537	1,591	1,572	1,638	1,666	1,602	1,522	1,484
Below Normal (17%)	1,287	1,297	1,322	1,357	1,417	1,438	1,416	1,476	1,489	1,425	1,349	1,314
Dry (22%)	1,403	1,407	1,424	1,438	1,461	1,477	1,418	1,375	1,350	1,287	1,221	1,190
Critical (15%)	976	977	990	996	994	963	895	820	777	721	670	647

Alternative 5 (LLT)

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,701	1,701	1,762	1,838	1,970	2,006	1,969	2,071	2,066	1,947	1,824	1,758
20%	1,609	1,608	1,663	1,708	1,856	1,879	1,878	1,919	1,920	1,810	1,690	1,646
30%	1,543	1,541	1,587	1,663	1,735	1,796	1,765	1,820	1,792	1,703	1,608	1,564
40%	1,437	1,433	1,509	1,572	1,643	1,714	1,667	1,617	1,654	1,596	1,507	1,462
50%	1,293	1,300	1,330	1,439	1,537	1,569	1,523	1,565	1,510	1,428	1,352	1,313
60%	1,188	1,181	1,235	1,325	1,362	1,408	1,389	1,401	1,356	1,284	1,231	1,205
70%	1,037	1,074	1,114	1,136	1,194	1,203	1,173	1,280	1,242	1,167	1,084	1,044
80%	816	824	847	888	950	1,032	1,033	1,052	1,030	949	879	837
90%	605	613	634	649	697	675	649	736	695	619	560	563
Long Term												
Full Simulation Period[a]	1,225	1,232	1,271	1,336	1,409	1,449	1,437	1,471	1,466	1,379	1,291	1,246
Water Year Types[b]												
Wet (32%)	1,420	1,427	1,496	1,617	1,726	1,783	1,810	1,918	1,964	1,864	1,746	1,678
Above Normal (15%)	1,173	1,195	1,256	1,364	1,477	1,557	1,557	1,624	1,603	1,500	1,409	1,366
Below Normal (17%)	1,162	1,167	1,190	1,229	1,308	1,348	1,336	1,394	1,389	1,302	1,216	1,180
Dry (22%)	1,286	1,286	1,302	1,315	1,348	1,374	1,332	1,287	1,247	1,170	1,099	1,066
Critical (15%)	837	836	847	857	864	844	786	713	669	611	561	539

Alternative 5 (LLT) minus Existing Condition

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-170	-177	-169	-114	0	16	-2	-9	-76	-121	-150	-156
20%	-148	-150	-124	-137	-75	-77	3	-9	-70	-137	-164	-153
30%	-86	-107	-104	-111	-114	-78	-82	-28	-58	-85	-97	-102
40%	-77	-121	-118	-117	-120	-64	-77	-118	-54	-42	-61	-73
50%	-151	-150	-146	-106	-103	-99	-106	-70	-110	-150	-144	-153
60%	-132	-165	-148	-124	-142	-89	-93	-97	-144	-152	-138	-137
70%	-136	-130	-125	-157	-107	-99	-100	-11	-98	-107	-132	-157
80%	-173	-152	-144	-125	-105	-106	-61	-92	-93	-112	-124	-137
90%	-68	-81	-93	-98	-62	-95	-48	62	-80	-123	-122	-92
Long Term												
Full Simulation Period[a]	-117	-121	-116	-102	-83	-68	-55	-55	-81	-106	-115	-117
Water Year Types[b]												
Wet (32%)	-102	-109	-93	-63	-38	-24	-13	-14	-51	-90	-104	-109
Above Normal (15%)	-116	-120	-111	-87	-60	-34	-15	-14	-63	-102	-114	-117
Below Normal (17%)	-125	-129	-131	-128	-109	-90	-80	-82	-100	-123	-132	-133
Dry (22%)	-117	-121	-122	-123	-113	-102	-86	-88	-103	-117	-122	-124
Critical (15%)	-140	-141	-142	-139	-129	-118	-110	-107	-109	-110	-109	-108

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-6-10. New Melones Reservoir, End of Month Storage

Existing Condition

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,870	1,878	1,931	1,952	1,970	1,990	1,970	2,080	2,142	2,068	1,973	1,914
20%	1,757	1,758	1,787	1,845	1,932	1,956	1,875	1,928	1,990	1,947	1,854	1,799
30%	1,629	1,648	1,690	1,774	1,850	1,874	1,848	1,848	1,850	1,788	1,704	1,666
40%	1,513	1,554	1,627	1,689	1,764	1,778	1,745	1,734	1,708	1,638	1,568	1,535
50%	1,444	1,450	1,476	1,544	1,640	1,668	1,629	1,635	1,619	1,577	1,497	1,466
60%	1,320	1,346	1,383	1,449	1,504	1,497	1,481	1,498	1,500	1,436	1,369	1,343
70%	1,173	1,204	1,239	1,293	1,301	1,302	1,274	1,291	1,340	1,274	1,216	1,201
80%	990	976	991	1,013	1,055	1,138	1,094	1,144	1,123	1,062	1,003	975
90%	674	694	727	747	760	770	697	674	775	742	682	655
Long Term												
Full Simulation Period[a]	1,342	1,353	1,387	1,438	1,492	1,516	1,492	1,526	1,547	1,485	1,406	1,364
Water Year Types[b]												
Wet (32%)	1,523	1,536	1,589	1,680	1,763	1,807	1,823	1,932	2,015	1,954	1,850	1,787
Above Normal (15%)	1,289	1,316	1,367	1,451	1,537	1,591	1,572	1,638	1,666	1,602	1,522	1,484
Below Normal (17%)	1,287	1,297	1,322	1,357	1,417	1,438	1,416	1,476	1,489	1,425	1,349	1,314
Dry (22%)	1,403	1,407	1,424	1,438	1,461	1,477	1,418	1,375	1,350	1,287	1,221	1,190
Critical (15%)	976	977	990	996	994	963	895	820	777	721	670	647

Alternative 6A,6B,6C (LLT)

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,700	1,694	1,756	1,837	1,970	1,999	1,968	2,063	2,060	1,941	1,822	1,757
20%	1,602	1,599	1,654	1,696	1,853	1,873	1,877	1,919	1,908	1,790	1,684	1,639
30%	1,542	1,535	1,571	1,657	1,725	1,790	1,764	1,820	1,787	1,700	1,607	1,559
40%	1,432	1,421	1,509	1,566	1,648	1,710	1,659	1,609	1,641	1,581	1,497	1,454
50%	1,288	1,301	1,327	1,423	1,534	1,571	1,526	1,571	1,509	1,423	1,346	1,304
60%	1,188	1,190	1,243	1,319	1,367	1,412	1,388	1,392	1,349	1,276	1,223	1,199
70%	1,034	1,053	1,101	1,146	1,183	1,203	1,170	1,280	1,251	1,175	1,091	1,050
80%	797	809	838	879	953	1,015	1,023	1,041	1,015	932	861	820
90%	596	604	625	640	693	672	655	727	685	610	551	554
Long Term												
Full Simulation Period[a]	1,221	1,227	1,267	1,332	1,405	1,444	1,433	1,467	1,463	1,374	1,286	1,242
Water Year Types[b]												
Wet (32%)	1,416	1,423	1,491	1,611	1,721	1,778	1,806	1,914	1,959	1,859	1,741	1,674
Above Normal (15%)	1,170	1,192	1,252	1,360	1,473	1,553	1,553	1,620	1,602	1,499	1,408	1,366
Below Normal (17%)	1,156	1,162	1,185	1,224	1,302	1,343	1,332	1,391	1,387	1,298	1,213	1,177
Dry (22%)	1,285	1,285	1,301	1,314	1,347	1,373	1,330	1,286	1,245	1,165	1,095	1,062
Critical (15%)	830	830	841	850	858	838	779	708	664	603	553	533

Alternative 6A,6B,6C (LLT) minus Existing Condition

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-171	-183	-175	-116	0	9	-3	-17	-82	-128	-151	-157
20%	-154	-159	-133	-149	-78	-83	1	-9	-82	-156	-170	-161
30%	-88	-113	-119	-117	-124	-84	-84	-29	-64	-88	-97	-107
40%	-81	-133	-118	-123	-116	-68	-86	-125	-67	-57	-71	-81
50%	-156	-149	-149	-122	-105	-97	-103	-64	-110	-154	-151	-162
60%	-132	-157	-140	-130	-137	-85	-93	-107	-151	-160	-147	-143
70%	-140	-151	-139	-147	-118	-99	-104	-11	-89	-99	-125	-151
80%	-193	-168	-153	-134	-101	-123	-71	-102	-107	-130	-143	-155
90%	-78	-90	-102	-107	-66	-98	-41	53	-90	-132	-131	-101
Long Term												
Full Simulation Period[a]	-121	-125	-120	-106	-87	-72	-59	-59	-84	-111	-119	-121
Water Year Types[b]												
Wet (32%)	-107	-113	-98	-68	-42	-28	-18	-17	-56	-94	-109	-113
Above Normal (15%)	-118	-123	-115	-90	-64	-38	-19	-18	-64	-103	-115	-118
Below Normal (17%)	-131	-135	-137	-134	-114	-96	-84	-85	-102	-127	-136	-137
Dry (22%)	-119	-122	-123	-124	-114	-104	-88	-89	-105	-122	-126	-128
Critical (15%)	-146	-148	-149	-146	-136	-125	-116	-112	-114	-118	-117	-114

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-6-11. New Melones Reservoir, End of Month Storage

Existing Condition

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,870	1,878	1,931	1,952	1,970	1,990	1,970	2,080	2,142	2,068	1,973	1,914
20%	1,757	1,758	1,787	1,845	1,932	1,956	1,875	1,928	1,990	1,947	1,854	1,799
30%	1,629	1,648	1,690	1,774	1,850	1,874	1,848	1,848	1,850	1,788	1,704	1,666
40%	1,513	1,554	1,627	1,689	1,764	1,778	1,745	1,734	1,708	1,638	1,568	1,535
50%	1,444	1,450	1,476	1,544	1,640	1,668	1,629	1,635	1,619	1,577	1,497	1,466
60%	1,320	1,346	1,383	1,449	1,504	1,497	1,481	1,498	1,500	1,436	1,369	1,343
70%	1,173	1,204	1,239	1,293	1,301	1,302	1,274	1,291	1,340	1,274	1,216	1,201
80%	990	976	991	1,013	1,055	1,138	1,094	1,144	1,123	1,062	1,003	975
90%	674	694	727	747	760	770	697	674	775	742	682	655
Long Term												
Full Simulation Period[a]	1,342	1,353	1,387	1,438	1,492	1,516	1,492	1,526	1,547	1,485	1,406	1,364
Water Year Types[b]												
Wet (32%)	1,523	1,536	1,589	1,680	1,763	1,807	1,823	1,932	2,015	1,954	1,850	1,787
Above Normal (15%)	1,289	1,316	1,367	1,451	1,537	1,591	1,572	1,638	1,666	1,602	1,522	1,484
Below Normal (17%)	1,287	1,297	1,322	1,357	1,417	1,438	1,416	1,476	1,489	1,425	1,349	1,314
Dry (22%)	1,403	1,407	1,424	1,438	1,461	1,477	1,418	1,375	1,350	1,287	1,221	1,190
Critical (15%)	976	977	990	996	994	963	895	820	777	721	670	647

Alternative 7 (LLT)

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,700	1,695	1,754	1,836	1,969	1,990	1,968	2,062	2,060	1,941	1,822	1,757
20%	1,608	1,602	1,650	1,692	1,853	1,871	1,878	1,919	1,915	1,796	1,687	1,640
30%	1,541	1,537	1,580	1,655	1,730	1,792	1,763	1,820	1,788	1,700	1,608	1,559
40%	1,433	1,421	1,509	1,566	1,644	1,709	1,659	1,608	1,635	1,577	1,493	1,450
50%	1,275	1,287	1,319	1,417	1,538	1,569	1,518	1,553	1,505	1,417	1,340	1,299
60%	1,186	1,188	1,226	1,303	1,355	1,400	1,379	1,386	1,342	1,279	1,224	1,198
70%	1,023	1,042	1,100	1,135	1,179	1,194	1,161	1,273	1,250	1,170	1,086	1,045
80%	786	798	825	867	933	1,018	1,019	1,037	1,008	926	855	815
90%	593	601	622	636	693	650	633	727	688	607	548	551
Long Term												
Full Simulation Period[a]	1,216	1,223	1,262	1,327	1,400	1,440	1,429	1,463	1,458	1,369	1,281	1,237
Water Year Types[b]												
Wet (32%)	1,412	1,419	1,488	1,609	1,719	1,777	1,804	1,913	1,958	1,858	1,740	1,672
Above Normal (15%)	1,166	1,189	1,248	1,356	1,470	1,551	1,550	1,617	1,597	1,493	1,402	1,360
Below Normal (17%)	1,150	1,155	1,178	1,217	1,296	1,336	1,325	1,384	1,381	1,291	1,206	1,170
Dry (22%)	1,278	1,278	1,294	1,307	1,340	1,367	1,324	1,279	1,239	1,157	1,086	1,053
Critical (15%)	825	824	835	845	852	832	773	701	657	595	546	526

Alternative 7 (LLT) minus Existing Condition

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-171	-183	-177	-116	-1	0	-3	-18	-82	-127	-151	-157
20%	-149	-156	-137	-153	-79	-85	3	-9	-75	-151	-167	-159
30%	-89	-111	-110	-119	-120	-83	-85	-29	-63	-88	-97	-107
40%	-81	-133	-118	-122	-120	-69	-86	-126	-73	-61	-75	-85
50%	-169	-163	-157	-128	-102	-99	-111	-82	-114	-160	-157	-167
60%	-134	-159	-157	-146	-149	-97	-103	-113	-157	-157	-145	-145
70%	-150	-162	-139	-158	-122	-108	-112	-17	-90	-104	-130	-156
80%	-203	-178	-165	-146	-122	-120	-75	-107	-115	-135	-148	-159
90%	-80	-93	-105	-111	-67	-120	-64	53	-87	-135	-134	-104
Long Term												
Full Simulation Period[a]	-126	-130	-125	-111	-92	-76	-63	-63	-89	-116	-124	-127
Water Year Types[b]												
Wet (32%)	-110	-117	-101	-71	-44	-30	-20	-19	-57	-95	-110	-114
Above Normal (15%)	-122	-127	-119	-94	-67	-40	-21	-20	-69	-109	-120	-124
Below Normal (17%)	-138	-142	-143	-140	-121	-102	-90	-91	-109	-133	-142	-143
Dry (22%)	-125	-129	-129	-130	-121	-110	-94	-96	-111	-130	-135	-137
Critical (15%)	-151	-153	-154	-151	-142	-131	-122	-119	-121	-126	-123	-121

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-6-12. New Melones Reservoir, End of Month Storage

Existing Condition

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,870	1,878	1,931	1,952	1,970	1,990	1,970	2,080	2,142	2,068	1,973	1,914
20%	1,757	1,758	1,787	1,845	1,932	1,956	1,875	1,928	1,990	1,947	1,854	1,799
30%	1,629	1,648	1,690	1,774	1,850	1,874	1,848	1,848	1,850	1,788	1,704	1,666
40%	1,513	1,554	1,627	1,689	1,764	1,778	1,745	1,734	1,708	1,638	1,568	1,535
50%	1,444	1,450	1,476	1,544	1,640	1,668	1,629	1,635	1,619	1,577	1,497	1,466
60%	1,320	1,346	1,383	1,449	1,504	1,497	1,481	1,498	1,500	1,436	1,369	1,343
70%	1,173	1,204	1,239	1,293	1,301	1,302	1,274	1,291	1,340	1,274	1,216	1,201
80%	990	976	991	1,013	1,055	1,138	1,094	1,144	1,123	1,062	1,003	975
90%	674	694	727	747	760	770	697	674	775	742	682	655
Long Term												
Full Simulation Period[a]	1,342	1,353	1,387	1,438	1,492	1,516	1,492	1,526	1,547	1,485	1,406	1,364
Water Year Types[b]												
Wet (32%)	1,523	1,536	1,589	1,680	1,763	1,807	1,823	1,932	2,015	1,954	1,850	1,787
Above Normal (15%)	1,289	1,316	1,367	1,451	1,537	1,591	1,572	1,638	1,666	1,602	1,522	1,484
Below Normal (17%)	1,287	1,297	1,322	1,357	1,417	1,438	1,416	1,476	1,489	1,425	1,349	1,314
Dry (22%)	1,403	1,407	1,424	1,438	1,461	1,477	1,418	1,375	1,350	1,287	1,221	1,190
Critical (15%)	976	977	990	996	994	963	895	820	777	721	670	647

Alternative 8 (LLT)

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,700	1,693	1,751	1,836	1,968	1,988	1,968	2,062	2,060	1,940	1,822	1,757
20%	1,607	1,599	1,648	1,694	1,851	1,869	1,876	1,919	1,915	1,805	1,690	1,642
30%	1,539	1,536	1,577	1,651	1,728	1,796	1,762	1,820	1,788	1,701	1,607	1,561
40%	1,433	1,421	1,507	1,567	1,647	1,709	1,658	1,606	1,630	1,575	1,490	1,448
50%	1,285	1,294	1,322	1,426	1,536	1,568	1,518	1,565	1,499	1,411	1,338	1,302
60%	1,186	1,188	1,230	1,304	1,358	1,394	1,390	1,395	1,342	1,275	1,221	1,196
70%	1,031	1,051	1,094	1,146	1,177	1,198	1,166	1,272	1,251	1,175	1,090	1,049
80%	779	791	822	864	943	1,011	1,020	1,033	1,008	926	854	811
90%	584	591	612	627	689	663	642	719	678	597	538	542
Long Term												
Full Simulation Period[a]	1,217	1,223	1,263	1,328	1,401	1,441	1,430	1,464	1,459	1,370	1,282	1,238
Water Year Types[b]												
Wet (32%)	1,413	1,419	1,488	1,609	1,719	1,777	1,804	1,913	1,958	1,858	1,740	1,672
Above Normal (15%)	1,166	1,188	1,247	1,355	1,469	1,550	1,549	1,617	1,596	1,492	1,401	1,359
Below Normal (17%)	1,151	1,157	1,181	1,220	1,299	1,339	1,328	1,387	1,384	1,294	1,209	1,173
Dry (22%)	1,280	1,279	1,295	1,308	1,341	1,368	1,325	1,281	1,240	1,157	1,087	1,054
Critical (15%)	826	825	836	846	853	833	774	703	658	597	549	528

Alternative 8 (LLT) minus Existing Condition

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-171	-185	-180	-116	-2	-2	-3	-18	-82	-129	-151	-157
20%	-149	-159	-139	-151	-80	-88	1	-9	-76	-142	-164	-157
30%	-90	-112	-113	-123	-121	-79	-86	-29	-62	-88	-97	-105
40%	-80	-133	-119	-121	-117	-69	-87	-128	-78	-63	-78	-87
50%	-160	-156	-154	-119	-104	-100	-111	-70	-120	-166	-159	-164
60%	-134	-159	-153	-145	-146	-103	-92	-103	-158	-161	-148	-147
70%	-143	-153	-146	-147	-124	-103	-108	-19	-89	-99	-126	-152
80%	-210	-185	-168	-149	-112	-127	-74	-110	-115	-136	-149	-164
90%	-90	-103	-115	-119	-71	-107	-54	45	-97	-145	-144	-114
Long Term												
Full Simulation Period[a]	-125	-130	-124	-110	-91	-75	-62	-62	-88	-115	-124	-126
Water Year Types[b]												
Wet (32%)	-110	-117	-101	-71	-44	-30	-19	-19	-57	-95	-110	-114
Above Normal (15%)	-123	-128	-119	-95	-68	-41	-22	-21	-70	-110	-121	-125
Below Normal (17%)	-136	-140	-140	-137	-118	-99	-87	-88	-105	-131	-140	-141
Dry (22%)	-123	-128	-129	-129	-120	-109	-93	-94	-110	-129	-134	-136
Critical (15%)	-150	-152	-153	-150	-141	-130	-121	-117	-119	-124	-121	-118

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-6-13. New Melones Reservoir, End of Month Storage

Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,870	1,878	1,931	1,952	1,970	1,990	1,970	2,080	2,142	2,068	1,973	1,914
20%	1,757	1,758	1,787	1,845	1,932	1,956	1,875	1,928	1,990	1,947	1,854	1,799
30%	1,629	1,648	1,690	1,774	1,850	1,874	1,848	1,848	1,850	1,788	1,704	1,666
40%	1,513	1,554	1,627	1,689	1,764	1,778	1,745	1,734	1,708	1,638	1,568	1,535
50%	1,444	1,450	1,476	1,544	1,640	1,668	1,629	1,635	1,619	1,577	1,497	1,466
60%	1,320	1,346	1,383	1,449	1,504	1,497	1,481	1,498	1,500	1,436	1,369	1,343
70%	1,173	1,204	1,239	1,293	1,301	1,302	1,274	1,291	1,340	1,274	1,216	1,201
80%	990	976	991	1,013	1,055	1,138	1,094	1,144	1,123	1,062	1,003	975
90%	674	694	727	747	760	770	697	674	775	742	682	655
Long Term												
Full Simulation Period[a]	1,342	1,353	1,387	1,438	1,492	1,516	1,492	1,526	1,547	1,485	1,406	1,364
Water Year Types[b]												
Wet (32%)	1,523	1,536	1,589	1,680	1,763	1,807	1,823	1,932	2,015	1,954	1,850	1,787
Above Normal (15%)	1,289	1,316	1,367	1,451	1,537	1,591	1,572	1,638	1,666	1,602	1,522	1,484
Below Normal (17%)	1,287	1,297	1,322	1,357	1,417	1,438	1,416	1,476	1,489	1,425	1,349	1,314
Dry (22%)	1,403	1,407	1,424	1,438	1,461	1,477	1,418	1,375	1,350	1,287	1,221	1,190
Critical (15%)	976	977	990	996	994	963	895	820	777	721	670	647

Alternative 9 (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,701	1,701	1,763	1,838	1,970	2,006	1,969	2,071	2,066	1,947	1,824	1,758
20%	1,608	1,609	1,663	1,708	1,858	1,880	1,884	1,919	1,922	1,810	1,690	1,646
30%	1,543	1,541	1,586	1,663	1,736	1,796	1,766	1,820	1,792	1,703	1,607	1,564
40%	1,436	1,434	1,509	1,572	1,643	1,714	1,668	1,618	1,654	1,596	1,508	1,463
50%	1,293	1,300	1,330	1,440	1,537	1,569	1,524	1,566	1,510	1,429	1,355	1,314
60%	1,188	1,187	1,237	1,327	1,364	1,413	1,389	1,401	1,356	1,284	1,231	1,208
70%	1,038	1,076	1,115	1,138	1,195	1,207	1,174	1,282	1,250	1,175	1,086	1,045
80%	817	826	849	890	951	1,032	1,033	1,052	1,031	951	881	838
90%	605	613	634	649	696	679	651	736	695	619	560	563
Long Term												
Full Simulation Period[a]	1,226	1,233	1,273	1,338	1,410	1,450	1,439	1,472	1,467	1,380	1,292	1,248
Water Year Types[b]												
Wet (32%)	1,421	1,428	1,497	1,617	1,726	1,784	1,811	1,919	1,965	1,864	1,746	1,678
Above Normal (15%)	1,175	1,197	1,257	1,365	1,478	1,558	1,558	1,625	1,604	1,500	1,409	1,367
Below Normal (17%)	1,165	1,171	1,194	1,233	1,311	1,351	1,339	1,397	1,393	1,305	1,220	1,183
Dry (22%)	1,287	1,287	1,303	1,316	1,349	1,375	1,333	1,288	1,248	1,171	1,100	1,067
Critical (15%)	838	838	849	859	866	846	788	715	671	613	564	541

Alternative 9 (LLT) minus Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-170	-177	-168	-114	0	16	-2	-9	-76	-121	-150	-156
20%	-148	-149	-124	-138	-74	-76	9	-9	-68	-136	-164	-153
30%	-86	-107	-104	-111	-113	-78	-82	-29	-58	-85	-97	-102
40%	-77	-120	-118	-117	-120	-64	-77	-117	-54	-41	-60	-72
50%	-151	-150	-146	-105	-103	-100	-105	-69	-109	-148	-142	-152
60%	-132	-159	-146	-122	-140	-85	-92	-97	-143	-152	-138	-135
70%	-136	-128	-124	-155	-107	-94	-100	-9	-90	-99	-130	-155
80%	-172	-151	-142	-123	-104	-106	-61	-91	-92	-111	-123	-136
90%	-68	-81	-93	-98	-63	-91	-46	62	-80	-123	-122	-92
Long Term												
Full Simulation Period[a]	-116	-120	-114	-100	-82	-66	-53	-54	-80	-105	-113	-116
Water Year Types[b]												
Wet (32%)	-102	-108	-92	-62	-37	-23	-12	-13	-51	-89	-104	-108
Above Normal (15%)	-114	-118	-110	-85	-59	-33	-14	-13	-62	-101	-113	-116
Below Normal (17%)	-122	-126	-128	-125	-106	-87	-76	-79	-97	-120	-129	-130
Dry (22%)	-116	-120	-121	-122	-112	-101	-86	-87	-102	-116	-120	-123
Critical (15%)	-138	-139	-140	-137	-128	-117	-108	-105	-107	-108	-106	-105

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-6-14. New Melones Reservoir, End of Month Storage

No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,701	1,701	1,761	1,838	1,970	2,006	1,969	2,071	2,066	1,947	1,824	1,758
20%	1,605	1,606	1,662	1,708	1,856	1,878	1,877	1,919	1,918	1,802	1,690	1,641
30%	1,543	1,541	1,577	1,658	1,730	1,792	1,765	1,820	1,792	1,703	1,607	1,564
40%	1,436	1,433	1,509	1,572	1,643	1,713	1,667	1,616	1,653	1,595	1,507	1,462
50%	1,293	1,300	1,329	1,438	1,537	1,569	1,523	1,565	1,509	1,427	1,352	1,313
60%	1,188	1,182	1,234	1,325	1,362	1,407	1,388	1,401	1,355	1,283	1,231	1,206
70%	1,037	1,074	1,109	1,136	1,194	1,203	1,173	1,279	1,243	1,168	1,084	1,043
80%	816	824	847	888	950	1,023	1,033	1,052	1,029	949	879	837
90%	605	613	634	649	697	675	649	736	695	619	560	563
Long Term												
Full Simulation Period[a]	1,224	1,231	1,270	1,335	1,408	1,448	1,436	1,470	1,465	1,378	1,290	1,246
Water Year Types[b]												
Wet (32%)	1,420	1,427	1,495	1,615	1,724	1,782	1,809	1,917	1,963	1,863	1,745	1,677
Above Normal (15%)	1,172	1,195	1,255	1,363	1,476	1,557	1,557	1,623	1,602	1,499	1,408	1,366
Below Normal (17%)	1,162	1,167	1,190	1,229	1,308	1,348	1,336	1,394	1,389	1,301	1,216	1,180
Dry (22%)	1,286	1,286	1,302	1,315	1,348	1,374	1,331	1,287	1,247	1,170	1,099	1,066
Critical (15%)	835	835	846	856	863	843	784	711	667	609	559	537

Alternative 1A,1B,1C (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,701	1,701	1,762	1,838	1,970	2,006	1,969	2,071	2,066	1,947	1,824	1,758
20%	1,609	1,609	1,663	1,708	1,857	1,879	1,878	1,919	1,920	1,810	1,690	1,646
30%	1,543	1,541	1,587	1,663	1,735	1,796	1,766	1,820	1,792	1,703	1,608	1,563
40%	1,437	1,434	1,509	1,572	1,643	1,713	1,668	1,617	1,654	1,596	1,508	1,463
50%	1,293	1,300	1,330	1,439	1,537	1,569	1,523	1,565	1,510	1,427	1,352	1,313
60%	1,188	1,181	1,235	1,325	1,362	1,408	1,389	1,401	1,356	1,284	1,231	1,205
70%	1,037	1,075	1,114	1,136	1,194	1,204	1,173	1,279	1,242	1,167	1,084	1,044
80%	817	825	848	889	950	1,031	1,033	1,052	1,030	950	880	838
90%	604	612	633	648	697	675	649	735	694	618	559	562
Long Term												
Full Simulation Period[a]	1,225	1,232	1,271	1,336	1,409	1,449	1,437	1,471	1,466	1,379	1,291	1,246
Water Year Types[b]												
Wet (32%)	1,420	1,427	1,496	1,617	1,726	1,783	1,810	1,919	1,965	1,864	1,746	1,678
Above Normal (15%)	1,173	1,195	1,255	1,363	1,477	1,557	1,557	1,624	1,603	1,500	1,409	1,366
Below Normal (17%)	1,162	1,168	1,190	1,229	1,308	1,348	1,336	1,394	1,389	1,302	1,216	1,180
Dry (22%)	1,286	1,286	1,302	1,315	1,348	1,375	1,332	1,287	1,247	1,170	1,099	1,066
Critical (15%)	837	837	848	857	864	844	786	713	669	610	561	539

Alternative 1A,1B,1C (LLT) minus No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	1	0	0	0	0	0	0	0	0	0
20%	4	2	1	0	1	1	1	0	2	8	0	5
30%	0	0	10	5	5	4	0	0	0	0	0	0
40%	1	1	1	0	0	0	1	1	1	1	1	1
50%	0	0	1	0	0	1	0	0	0	0	0	0
60%	0	-1	1	1	0	1	1	1	1	0	0	-1
70%	0	1	5	0	1	0	0	0	-1	-1	0	0
80%	1	1	1	1	0	7	0	0	1	1	1	1
90%	-1	-1	-1	-1	0	0	0	-1	-1	-1	-1	-1
Long Term												
Full Simulation Period[a]	1	1	1	1	1	1	1	1	1	1	1	1
Water Year Types[b]												
Wet (32%)	1	1	1	1	1	1	1	1	1	1	1	1
Above Normal (15%)	1	1	1	1	0	0	0	0	1	1	1	1
Below Normal (17%)	0	0	0	0	0	0	0	0	0	0	0	0
Dry (22%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	1	1	1	1	1	1	1	1	1	1	1	1

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-6-15. New Melones Reservoir, End of Month Storage

No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,701	1,701	1,761	1,838	1,970	2,006	1,969	2,071	2,066	1,947	1,824	1,758
20%	1,605	1,606	1,662	1,708	1,856	1,878	1,877	1,919	1,918	1,802	1,690	1,641
30%	1,543	1,541	1,577	1,658	1,730	1,792	1,765	1,820	1,792	1,703	1,607	1,564
40%	1,436	1,433	1,509	1,572	1,643	1,713	1,667	1,616	1,653	1,595	1,507	1,462
50%	1,293	1,300	1,329	1,438	1,537	1,569	1,523	1,565	1,509	1,427	1,352	1,313
60%	1,188	1,182	1,234	1,325	1,362	1,407	1,388	1,401	1,355	1,283	1,231	1,206
70%	1,037	1,074	1,109	1,136	1,194	1,203	1,173	1,279	1,243	1,168	1,084	1,043
80%	816	824	847	888	950	1,023	1,033	1,052	1,029	949	879	837
90%	605	613	634	649	697	675	649	736	695	619	560	563
Long Term												
Full Simulation Period[a]	1,224	1,231	1,270	1,335	1,408	1,448	1,436	1,470	1,465	1,378	1,290	1,246
Water Year Types[b]												
Wet (32%)	1,420	1,427	1,495	1,615	1,724	1,782	1,809	1,917	1,963	1,863	1,745	1,677
Above Normal (15%)	1,172	1,195	1,255	1,363	1,476	1,557	1,557	1,623	1,602	1,499	1,408	1,366
Below Normal (17%)	1,162	1,167	1,190	1,229	1,308	1,348	1,336	1,394	1,389	1,301	1,216	1,180
Dry (22%)	1,286	1,286	1,302	1,315	1,348	1,374	1,331	1,287	1,247	1,170	1,099	1,066
Critical (15%)	835	835	846	856	863	843	784	711	667	609	559	537

Alternative 2A,2B,2C (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,701	1,701	1,761	1,838	1,969	2,005	1,969	2,070	2,066	1,947	1,824	1,758
20%	1,605	1,603	1,654	1,700	1,856	1,879	1,878	1,919	1,909	1,792	1,685	1,639
30%	1,543	1,541	1,574	1,650	1,728	1,782	1,765	1,820	1,788	1,703	1,608	1,564
40%	1,437	1,433	1,509	1,572	1,643	1,714	1,667	1,616	1,654	1,596	1,507	1,462
50%	1,293	1,300	1,329	1,439	1,537	1,569	1,523	1,565	1,505	1,423	1,350	1,313
60%	1,187	1,181	1,235	1,325	1,362	1,402	1,389	1,401	1,355	1,283	1,231	1,205
70%	1,037	1,074	1,102	1,135	1,194	1,203	1,173	1,279	1,242	1,167	1,084	1,043
80%	816	824	847	888	950	1,021	1,033	1,052	1,029	949	879	837
90%	605	613	634	649	698	675	649	736	695	619	560	563
Long Term												
Full Simulation Period[a]	1,223	1,230	1,269	1,334	1,407	1,447	1,435	1,469	1,465	1,377	1,289	1,245
Water Year Types[b]												
Wet (32%)	1,419	1,426	1,493	1,614	1,723	1,781	1,808	1,916	1,962	1,862	1,744	1,676
Above Normal (15%)	1,171	1,193	1,253	1,361	1,475	1,555	1,555	1,622	1,601	1,498	1,407	1,364
Below Normal (17%)	1,161	1,166	1,189	1,228	1,307	1,347	1,335	1,393	1,388	1,300	1,215	1,179
Dry (22%)	1,285	1,286	1,301	1,315	1,347	1,374	1,331	1,286	1,246	1,169	1,099	1,066
Critical (15%)	834	834	845	854	862	842	783	710	666	608	558	536

Alternative 2A,2B,2C (LLT) minus No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	0	0	-1	-1	0	-1	0	0	0	0
20%	0	-4	-7	-8	1	0	0	0	-10	-10	-5	-2
30%	0	0	-2	-8	-2	-10	0	0	-3	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	-4	-4	-2	0
60%	-1	-1	0	0	0	-4	0	0	0	0	0	-1
70%	0	0	-6	-1	0	0	0	0	-1	-1	0	0
80%	0	0	0	0	0	-2	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Water Year Types[b]												
Wet (32%)	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Above Normal (15%)	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1	-1	-1
Below Normal (17%)	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Dry (22%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	-2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-6-16. New Melones Reservoir, End of Month Storage

No Action Alternative (LLT)

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,701	1,701	1,761	1,838	1,970	2,006	1,969	2,071	2,066	1,947	1,824	1,758
20%	1,605	1,606	1,662	1,708	1,856	1,878	1,877	1,919	1,918	1,802	1,690	1,641
30%	1,543	1,541	1,577	1,658	1,730	1,792	1,765	1,820	1,792	1,703	1,607	1,564
40%	1,436	1,433	1,509	1,572	1,643	1,713	1,667	1,616	1,653	1,595	1,507	1,462
50%	1,293	1,300	1,329	1,438	1,537	1,569	1,523	1,565	1,509	1,427	1,352	1,313
60%	1,188	1,182	1,234	1,325	1,362	1,407	1,388	1,401	1,355	1,283	1,231	1,206
70%	1,037	1,074	1,109	1,136	1,194	1,203	1,173	1,279	1,243	1,168	1,084	1,043
80%	816	824	847	888	950	1,023	1,033	1,052	1,029	949	879	837
90%	605	613	634	649	697	675	649	736	695	619	560	563
Long Term												
Full Simulation Period[a]	1,224	1,231	1,270	1,335	1,408	1,448	1,436	1,470	1,465	1,378	1,290	1,246
Water Year Types[b]												
Wet (32%)	1,420	1,427	1,495	1,615	1,724	1,782	1,809	1,917	1,963	1,863	1,745	1,677
Above Normal (15%)	1,172	1,195	1,255	1,363	1,476	1,557	1,557	1,623	1,602	1,499	1,408	1,366
Below Normal (17%)	1,162	1,167	1,190	1,229	1,308	1,348	1,336	1,394	1,389	1,301	1,216	1,180
Dry (22%)	1,286	1,286	1,302	1,315	1,348	1,374	1,331	1,287	1,247	1,170	1,099	1,066
Critical (15%)	835	835	846	856	863	843	784	711	667	609	559	537

Alternative 3 (LLT)

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,701	1,701	1,762	1,838	1,970	2,006	1,969	2,071	2,066	1,947	1,824	1,758
20%	1,609	1,609	1,663	1,708	1,857	1,879	1,880	1,919	1,920	1,810	1,690	1,646
30%	1,543	1,541	1,587	1,663	1,735	1,796	1,766	1,820	1,792	1,703	1,608	1,563
40%	1,437	1,434	1,509	1,572	1,643	1,713	1,668	1,617	1,654	1,596	1,508	1,463
50%	1,293	1,300	1,330	1,439	1,537	1,569	1,523	1,565	1,510	1,427	1,352	1,313
60%	1,188	1,182	1,235	1,325	1,362	1,408	1,389	1,401	1,356	1,284	1,231	1,206
70%	1,038	1,075	1,114	1,136	1,194	1,204	1,173	1,279	1,243	1,168	1,084	1,044
80%	817	825	848	889	950	1,031	1,033	1,052	1,031	950	880	838
90%	605	613	634	649	697	675	649	736	695	619	560	563
Long Term												
Full Simulation Period[a]	1,225	1,232	1,271	1,336	1,409	1,449	1,437	1,471	1,466	1,379	1,291	1,247
Water Year Types[b]												
Wet (32%)	1,420	1,428	1,496	1,617	1,726	1,783	1,810	1,919	1,965	1,864	1,746	1,678
Above Normal (15%)	1,173	1,195	1,256	1,364	1,477	1,557	1,557	1,624	1,603	1,500	1,409	1,367
Below Normal (17%)	1,162	1,168	1,191	1,230	1,308	1,349	1,337	1,394	1,390	1,302	1,217	1,181
Dry (22%)	1,286	1,286	1,302	1,315	1,348	1,375	1,332	1,287	1,247	1,170	1,099	1,066
Critical (15%)	837	837	848	857	864	844	786	713	669	611	561	539

Alternative 3 (LLT) minus No Action Alternative (LLT)

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	1	0	0	0	0	0	0	0	0	0
20%	4	2	1	0	1	1	2	0	2	8	0	5
30%	0	0	10	5	5	4	0	0	0	0	0	0
40%	1	1	1	0	0	0	1	1	1	1	1	1
50%	0	0	1	0	0	1	0	0	0	0	0	0
60%	0	0	1	1	0	2	1	1	1	0	0	0
70%	1	1	5	0	1	1	0	0	0	0	0	0
80%	1	2	1	1	0	7	0	0	1	1	1	1
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	1	1	1	1	1	1	1	1	1	1	1	1
Water Year Types[b]												
Wet (32%)	1	1	1	1	1	1	1	1	1	1	1	1
Above Normal (15%)	1	1	1	1	1	1	1	1	1	1	1	1
Below Normal (17%)	1	1	1	1	1	1	1	1	1	1	1	1
Dry (22%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	2	2	1	1	1	1	1	1	1	2	2	1

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-6-17. New Melones Reservoir, End of Month Storage

No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,701	1,701	1,761	1,838	1,970	2,006	1,969	2,071	2,066	1,947	1,824	1,758
20%	1,605	1,606	1,662	1,708	1,856	1,878	1,877	1,919	1,918	1,802	1,690	1,641
30%	1,543	1,541	1,577	1,658	1,730	1,792	1,765	1,820	1,792	1,703	1,607	1,564
40%	1,436	1,433	1,509	1,572	1,643	1,713	1,667	1,616	1,653	1,595	1,507	1,462
50%	1,293	1,300	1,329	1,438	1,537	1,569	1,523	1,565	1,509	1,427	1,352	1,313
60%	1,188	1,182	1,234	1,325	1,362	1,407	1,388	1,401	1,355	1,283	1,231	1,206
70%	1,037	1,074	1,109	1,136	1,194	1,203	1,173	1,279	1,243	1,168	1,084	1,043
80%	816	824	847	888	950	1,023	1,033	1,052	1,029	949	879	837
90%	605	613	634	649	697	675	649	736	695	619	560	563
Long Term												
Full Simulation Period[a]	1,224	1,231	1,270	1,335	1,408	1,448	1,436	1,470	1,465	1,378	1,290	1,246
Water Year Types[b]												
Wet (32%)	1,420	1,427	1,495	1,615	1,724	1,782	1,809	1,917	1,963	1,863	1,745	1,677
Above Normal (15%)	1,172	1,195	1,255	1,363	1,476	1,557	1,557	1,623	1,602	1,499	1,408	1,366
Below Normal (17%)	1,162	1,167	1,190	1,229	1,308	1,348	1,336	1,394	1,389	1,301	1,216	1,180
Dry (22%)	1,286	1,286	1,302	1,315	1,348	1,374	1,331	1,287	1,247	1,170	1,099	1,066
Critical (15%)	835	835	846	856	863	843	784	711	667	609	559	537

Alternative 4 H1 (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,701	1,701	1,762	1,838	1,969	2,005	1,969	2,069	2,066	1,947	1,824	1,758
20%	1,605	1,603	1,652	1,698	1,857	1,879	1,878	1,919	1,906	1,790	1,683	1,639
30%	1,543	1,541	1,574	1,648	1,728	1,780	1,765	1,820	1,788	1,703	1,608	1,564
40%	1,437	1,433	1,509	1,572	1,643	1,714	1,668	1,617	1,654	1,596	1,507	1,462
50%	1,293	1,300	1,330	1,439	1,537	1,569	1,523	1,565	1,504	1,422	1,348	1,313
60%	1,186	1,181	1,235	1,325	1,362	1,401	1,389	1,401	1,356	1,283	1,231	1,204
70%	1,037	1,074	1,101	1,134	1,194	1,203	1,173	1,279	1,242	1,167	1,084	1,044
80%	816	825	847	889	950	1,020	1,033	1,052	1,030	949	880	837
90%	605	613	634	649	697	675	649	736	695	619	560	563
Long Term												
Full Simulation Period[a]	1,223	1,230	1,269	1,334	1,407	1,447	1,435	1,469	1,464	1,377	1,289	1,245
Water Year Types[b]												
Wet (32%)	1,419	1,426	1,493	1,614	1,723	1,781	1,808	1,916	1,962	1,862	1,744	1,676
Above Normal (15%)	1,170	1,193	1,253	1,361	1,474	1,555	1,555	1,621	1,601	1,497	1,406	1,364
Below Normal (17%)	1,161	1,166	1,189	1,228	1,307	1,347	1,335	1,393	1,388	1,300	1,215	1,179
Dry (22%)	1,285	1,285	1,301	1,314	1,347	1,374	1,331	1,286	1,246	1,169	1,099	1,066
Critical (15%)	834	833	845	854	862	841	783	710	666	608	558	536

Alternative 4 H1 (LLT) minus No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	1	0	-1	-1	0	-1	0	0	0	0
20%	0	-4	-9	-10	1	1	0	0	-12	-12	-7	-2
30%	0	0	-3	-10	-2	-12	0	0	-4	0	0	0
40%	1	0	1	0	0	0	1	1	0	0	0	0
50%	0	0	0	0	0	1	0	0	-6	-6	-4	0
60%	-2	-1	1	0	0	-5	0	0	0	0	0	-2
70%	0	1	-8	-2	0	0	0	0	-1	-1	0	0
80%	1	1	1	1	0	-3	0	0	1	1	1	1
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Water Year Types[b]												
Wet (32%)	-1	-1	-2	-2	-1	-1	-1	-1	-1	-1	-1	-1
Above Normal (15%)	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2
Below Normal (17%)	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Dry (22%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	-2	-2	-2	-2	-1	-2	-1	-1	-1	-1	-1	-1

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-6-18. New Melones Reservoir, End of Month Storage

No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,701	1,701	1,761	1,838	1,970	2,006	1,969	2,071	2,066	1,947	1,824	1,758
20%	1,605	1,606	1,662	1,708	1,856	1,878	1,877	1,919	1,918	1,802	1,690	1,641
30%	1,543	1,541	1,577	1,658	1,730	1,792	1,765	1,820	1,792	1,703	1,607	1,564
40%	1,436	1,433	1,509	1,572	1,643	1,713	1,667	1,616	1,653	1,595	1,507	1,462
50%	1,293	1,300	1,329	1,438	1,537	1,569	1,523	1,565	1,509	1,427	1,352	1,313
60%	1,188	1,182	1,234	1,325	1,362	1,407	1,388	1,401	1,355	1,283	1,231	1,206
70%	1,037	1,074	1,109	1,136	1,194	1,203	1,173	1,279	1,243	1,168	1,084	1,043
80%	816	824	847	888	950	1,023	1,033	1,052	1,029	949	879	837
90%	605	613	634	649	697	675	649	736	695	619	560	563
Long Term												
Full Simulation Period[a]	1,224	1,231	1,270	1,335	1,408	1,448	1,436	1,470	1,465	1,378	1,290	1,246
Water Year Types[b]												
Wet (32%)	1,420	1,427	1,495	1,615	1,724	1,782	1,809	1,917	1,963	1,863	1,745	1,677
Above Normal (15%)	1,172	1,195	1,255	1,363	1,476	1,557	1,557	1,623	1,602	1,499	1,408	1,366
Below Normal (17%)	1,162	1,167	1,190	1,229	1,308	1,348	1,336	1,394	1,389	1,301	1,216	1,180
Dry (22%)	1,286	1,286	1,302	1,315	1,348	1,374	1,331	1,287	1,247	1,170	1,099	1,066
Critical (15%)	835	835	846	856	863	843	784	711	667	609	559	537

Alternative 4 H2 (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,701	1,701	1,762	1,838	1,970	2,006	1,969	2,071	2,066	1,947	1,824	1,758
20%	1,608	1,608	1,663	1,708	1,856	1,879	1,883	1,919	1,920	1,810	1,690	1,646
30%	1,543	1,541	1,587	1,663	1,735	1,796	1,765	1,820	1,792	1,703	1,608	1,563
40%	1,437	1,433	1,509	1,572	1,643	1,713	1,667	1,617	1,653	1,596	1,507	1,462
50%	1,293	1,300	1,329	1,439	1,537	1,569	1,524	1,566	1,510	1,427	1,353	1,314
60%	1,188	1,184	1,236	1,326	1,362	1,409	1,389	1,401	1,355	1,283	1,231	1,207
70%	1,037	1,074	1,115	1,138	1,194	1,205	1,174	1,280	1,246	1,171	1,084	1,043
80%	816	824	848	889	951	1,031	1,033	1,051	1,030	949	879	837
90%	604	612	633	648	697	678	650	735	694	618	559	562
Long Term												
Full Simulation Period[a]	1,226	1,232	1,272	1,337	1,409	1,449	1,438	1,471	1,467	1,379	1,291	1,247
Water Year Types[b]												
Wet (32%)	1,420	1,428	1,496	1,617	1,726	1,783	1,810	1,919	1,965	1,864	1,746	1,678
Above Normal (15%)	1,174	1,196	1,256	1,364	1,477	1,558	1,557	1,624	1,603	1,500	1,409	1,367
Below Normal (17%)	1,163	1,169	1,192	1,231	1,309	1,349	1,337	1,395	1,391	1,303	1,218	1,181
Dry (22%)	1,286	1,287	1,302	1,316	1,348	1,375	1,332	1,287	1,247	1,170	1,100	1,067
Critical (15%)	838	838	849	858	865	845	787	714	670	613	563	541

Alternative 4 H2 (LLT) minus No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	1	0	0	0	0	0	0	0	0	0
20%	3	2	1	0	1	1	6	0	2	8	0	5
30%	0	0	10	5	5	5	0	0	0	0	0	0
40%	1	0	1	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	1	1	1	0	0	1	1
60%	0	2	1	1	1	3	0	0	0	0	0	1
70%	0	0	6	1	0	1	0	1	3	3	0	0
80%	0	0	1	1	2	8	0	0	0	0	0	0
90%	-1	-1	-1	-1	0	3	1	-1	-1	-1	-1	-1
Long Term												
Full Simulation Period[a]	1	1	1	1	1	1	1	1	1	1	1	1
Water Year Types[b]												
Wet (32%)	1	1	2	2	1	2	2	1	1	1	1	1
Above Normal (15%)	1	1	1	1	1	1	1	1	1	1	1	1
Below Normal (17%)	2	1	1	1	1	1	1	1	1	1	1	1
Dry (22%)	1	1	1	1	1	1	1	1	0	0	0	0
Critical (15%)	2	2	2	2	2	2	3	3	3	3	4	4

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-6-19. New Melones Reservoir, End of Month Storage

No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,701	1,701	1,761	1,838	1,970	2,006	1,969	2,071	2,066	1,947	1,824	1,758
20%	1,605	1,606	1,662	1,708	1,856	1,878	1,877	1,919	1,918	1,802	1,690	1,641
30%	1,543	1,541	1,577	1,658	1,730	1,792	1,765	1,820	1,792	1,703	1,607	1,564
40%	1,436	1,433	1,509	1,572	1,643	1,713	1,667	1,616	1,653	1,595	1,507	1,462
50%	1,293	1,300	1,329	1,438	1,537	1,569	1,523	1,565	1,509	1,427	1,352	1,313
60%	1,188	1,182	1,234	1,325	1,362	1,407	1,388	1,401	1,355	1,283	1,231	1,206
70%	1,037	1,074	1,109	1,136	1,194	1,203	1,173	1,279	1,243	1,168	1,084	1,043
80%	816	824	847	888	950	1,023	1,033	1,052	1,029	949	879	837
90%	605	613	634	649	697	675	649	736	695	619	560	563
Long Term												
Full Simulation Period[a]	1,224	1,231	1,270	1,335	1,408	1,448	1,436	1,470	1,465	1,378	1,290	1,246
Water Year Types[b]												
Wet (32%)	1,420	1,427	1,495	1,615	1,724	1,782	1,809	1,917	1,963	1,863	1,745	1,677
Above Normal (15%)	1,172	1,195	1,255	1,363	1,476	1,557	1,557	1,623	1,602	1,499	1,408	1,366
Below Normal (17%)	1,162	1,167	1,190	1,229	1,308	1,348	1,336	1,394	1,389	1,301	1,216	1,180
Dry (22%)	1,286	1,286	1,302	1,315	1,348	1,374	1,331	1,287	1,247	1,170	1,099	1,066
Critical (15%)	835	835	846	856	863	843	784	711	667	609	559	537

Alternative 4 H3 (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,701	1,701	1,762	1,838	1,969	2,005	1,969	2,070	2,066	1,947	1,824	1,758
20%	1,605	1,603	1,653	1,699	1,857	1,879	1,878	1,919	1,906	1,790	1,682	1,638
30%	1,543	1,541	1,574	1,649	1,728	1,780	1,765	1,820	1,788	1,703	1,608	1,564
40%	1,437	1,433	1,509	1,572	1,643	1,714	1,667	1,617	1,654	1,596	1,507	1,462
50%	1,293	1,300	1,330	1,439	1,538	1,569	1,523	1,565	1,504	1,422	1,349	1,313
60%	1,186	1,181	1,235	1,325	1,362	1,402	1,389	1,401	1,356	1,283	1,231	1,205
70%	1,037	1,074	1,101	1,135	1,194	1,203	1,173	1,279	1,242	1,167	1,085	1,044
80%	816	825	847	889	950	1,021	1,033	1,052	1,030	950	880	837
90%	605	613	634	649	697	675	649	736	695	619	560	563
Long Term												
Full Simulation Period[a]	1,223	1,230	1,269	1,334	1,407	1,447	1,435	1,469	1,464	1,377	1,289	1,245
Water Year Types[b]												
Wet (32%)	1,419	1,426	1,493	1,614	1,723	1,781	1,808	1,916	1,962	1,862	1,744	1,676
Above Normal (15%)	1,170	1,193	1,253	1,361	1,475	1,555	1,555	1,622	1,601	1,497	1,406	1,364
Below Normal (17%)	1,161	1,166	1,189	1,228	1,307	1,347	1,335	1,393	1,388	1,300	1,215	1,179
Dry (22%)	1,285	1,286	1,301	1,315	1,347	1,374	1,331	1,286	1,246	1,169	1,099	1,066
Critical (15%)	833	833	844	854	861	841	783	710	666	608	558	536

Alternative 4 H3 (LLT) minus No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	1	0	-1	-1	0	-1	0	0	0	0
20%	0	-4	-9	-9	1	1	0	0	-12	-12	-8	-2
30%	0	0	-3	-9	-2	-12	0	0	-4	0	0	0
40%	0	0	0	0	0	0	0	1	1	0	0	0
50%	0	1	1	0	0	1	0	0	-5	-5	-3	0
60%	-1	-1	0	0	0	-5	0	0	0	0	0	-1
70%	0	1	-7	-2	0	0	0	0	-1	-1	1	1
80%	1	1	1	1	0	-3	0	0	1	1	1	1
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Water Year Types[b]												
Wet (32%)	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Above Normal (15%)	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2
Below Normal (17%)	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Dry (22%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	-2	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1	-1

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-6-20. New Melones Reservoir, End of Month Storage

No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,701	1,701	1,761	1,838	1,970	2,006	1,969	2,071	2,066	1,947	1,824	1,758
20%	1,605	1,606	1,662	1,708	1,856	1,878	1,877	1,919	1,918	1,802	1,690	1,641
30%	1,543	1,541	1,577	1,658	1,730	1,792	1,765	1,820	1,792	1,703	1,607	1,564
40%	1,436	1,433	1,509	1,572	1,643	1,713	1,667	1,616	1,653	1,595	1,507	1,462
50%	1,293	1,300	1,329	1,438	1,537	1,569	1,523	1,565	1,509	1,427	1,352	1,313
60%	1,188	1,182	1,234	1,325	1,362	1,407	1,388	1,401	1,355	1,283	1,231	1,206
70%	1,037	1,074	1,109	1,136	1,194	1,203	1,173	1,279	1,243	1,168	1,084	1,043
80%	816	824	847	888	950	1,023	1,033	1,052	1,029	949	879	837
90%	605	613	634	649	697	675	649	736	695	619	560	563
Long Term												
Full Simulation Period[a]	1,224	1,231	1,270	1,335	1,408	1,448	1,436	1,470	1,465	1,378	1,290	1,246
Water Year Types[b]												
Wet (32%)	1,420	1,427	1,495	1,615	1,724	1,782	1,809	1,917	1,963	1,863	1,745	1,677
Above Normal (15%)	1,172	1,195	1,255	1,363	1,476	1,557	1,557	1,623	1,602	1,499	1,408	1,366
Below Normal (17%)	1,162	1,167	1,190	1,229	1,308	1,348	1,336	1,394	1,389	1,301	1,216	1,180
Dry (22%)	1,286	1,286	1,302	1,315	1,348	1,374	1,331	1,287	1,247	1,170	1,099	1,066
Critical (15%)	835	835	846	856	863	843	784	711	667	609	559	537

Alternative 4 H4 (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,701	1,701	1,761	1,838	1,970	2,006	1,969	2,071	2,066	1,947	1,824	1,758
20%	1,608	1,608	1,663	1,708	1,856	1,878	1,883	1,919	1,920	1,810	1,690	1,646
30%	1,543	1,541	1,586	1,663	1,735	1,796	1,765	1,820	1,792	1,703	1,608	1,564
40%	1,436	1,433	1,509	1,572	1,643	1,714	1,667	1,616	1,653	1,595	1,507	1,462
50%	1,293	1,300	1,329	1,439	1,537	1,569	1,524	1,566	1,510	1,428	1,353	1,314
60%	1,188	1,184	1,236	1,326	1,363	1,411	1,389	1,401	1,355	1,283	1,231	1,207
70%	1,037	1,074	1,115	1,138	1,194	1,204	1,174	1,280	1,246	1,171	1,084	1,043
80%	816	824	847	888	951	1,032	1,033	1,051	1,029	949	879	837
90%	605	613	634	649	697	678	650	736	695	619	560	563
Long Term												
Full Simulation Period[a]	1,226	1,232	1,272	1,337	1,410	1,449	1,438	1,471	1,467	1,380	1,292	1,247
Water Year Types[b]												
Wet (32%)	1,420	1,427	1,496	1,617	1,726	1,783	1,810	1,919	1,964	1,864	1,746	1,678
Above Normal (15%)	1,174	1,197	1,257	1,365	1,477	1,558	1,558	1,625	1,604	1,500	1,409	1,367
Below Normal (17%)	1,163	1,169	1,192	1,231	1,309	1,350	1,337	1,395	1,391	1,303	1,218	1,182
Dry (22%)	1,286	1,287	1,302	1,316	1,348	1,375	1,332	1,287	1,247	1,170	1,100	1,067
Critical (15%)	838	838	849	859	866	846	787	715	670	613	563	541

Alternative 4 H4 (LLT) minus No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	0	0	0	0	0	0	0	0	0	0
20%	3	2	1	0	0	0	6	0	2	8	0	5
30%	0	0	10	5	5	5	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	1	1	0	0	1	1
60%	0	2	2	1	1	4	0	0	0	0	0	1
70%	0	0	7	1	0	1	1	1	3	3	0	0
80%	0	0	0	0	1	9	0	0	0	0	0	0
90%	0	0	0	0	0	3	1	0	0	0	0	0
Long Term												
Full Simulation Period[a]	1	1	2	2	1	1	1	1	1	1	1	1
Water Year Types[b]												
Wet (32%)	1	1	1	1	1	1	1	1	1	1	1	1
Above Normal (15%)	2	2	2	2	1	1	1	1	1	1	1	1
Below Normal (17%)	2	2	2	2	2	2	2	2	2	2	2	2
Dry (22%)	1	1	1	1	1	1	1	1	1	0	0	0
Critical (15%)	3	3	3	3	3	3	3	3	3	4	4	4

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-6-21. New Melones Reservoir, End of Month Storage

No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,701	1,701	1,761	1,838	1,970	2,006	1,969	2,071	2,066	1,947	1,824	1,758
20%	1,605	1,606	1,662	1,708	1,856	1,878	1,877	1,919	1,918	1,802	1,690	1,641
30%	1,543	1,541	1,577	1,658	1,730	1,792	1,765	1,820	1,792	1,703	1,607	1,564
40%	1,436	1,433	1,509	1,572	1,643	1,713	1,667	1,616	1,653	1,595	1,507	1,462
50%	1,293	1,300	1,329	1,438	1,537	1,569	1,523	1,565	1,509	1,427	1,352	1,313
60%	1,188	1,182	1,234	1,325	1,362	1,407	1,388	1,401	1,355	1,283	1,231	1,206
70%	1,037	1,074	1,109	1,136	1,194	1,203	1,173	1,279	1,243	1,168	1,084	1,043
80%	816	824	847	888	950	1,023	1,033	1,052	1,029	949	879	837
90%	605	613	634	649	697	675	649	736	695	619	560	563
Long Term												
Full Simulation Period[a]	1,224	1,231	1,270	1,335	1,408	1,448	1,436	1,470	1,465	1,378	1,290	1,246
Water Year Types[b]												
Wet (32%)	1,420	1,427	1,495	1,615	1,724	1,782	1,809	1,917	1,963	1,863	1,745	1,677
Above Normal (15%)	1,172	1,195	1,255	1,363	1,476	1,557	1,557	1,623	1,602	1,499	1,408	1,366
Below Normal (17%)	1,162	1,167	1,190	1,229	1,308	1,348	1,336	1,394	1,389	1,301	1,216	1,180
Dry (22%)	1,286	1,286	1,302	1,315	1,348	1,374	1,331	1,287	1,247	1,170	1,099	1,066
Critical (15%)	835	835	846	856	863	843	784	711	667	609	559	537

Alternative 5 (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,701	1,701	1,762	1,838	1,970	2,006	1,969	2,071	2,066	1,947	1,824	1,758
20%	1,609	1,608	1,663	1,708	1,856	1,879	1,878	1,919	1,920	1,810	1,690	1,646
30%	1,543	1,541	1,587	1,663	1,735	1,796	1,765	1,820	1,792	1,703	1,608	1,564
40%	1,437	1,433	1,509	1,572	1,643	1,714	1,667	1,617	1,654	1,596	1,507	1,462
50%	1,293	1,300	1,330	1,439	1,537	1,569	1,523	1,565	1,510	1,428	1,352	1,313
60%	1,188	1,181	1,235	1,325	1,362	1,408	1,389	1,401	1,356	1,284	1,231	1,205
70%	1,037	1,074	1,114	1,136	1,194	1,203	1,173	1,280	1,242	1,167	1,084	1,044
80%	816	824	847	888	950	1,032	1,033	1,052	1,030	949	879	837
90%	605	613	634	649	697	675	649	736	695	619	560	563
Long Term												
Full Simulation Period[a]	1,225	1,232	1,271	1,336	1,409	1,449	1,437	1,471	1,466	1,379	1,291	1,246
Water Year Types[b]												
Wet (32%)	1,420	1,427	1,496	1,617	1,726	1,783	1,810	1,918	1,964	1,864	1,746	1,678
Above Normal (15%)	1,173	1,195	1,256	1,364	1,477	1,557	1,557	1,624	1,603	1,500	1,409	1,366
Below Normal (17%)	1,162	1,167	1,190	1,229	1,308	1,348	1,336	1,394	1,389	1,302	1,216	1,180
Dry (22%)	1,286	1,286	1,302	1,315	1,348	1,374	1,332	1,287	1,247	1,170	1,099	1,066
Critical (15%)	837	836	847	857	864	844	786	713	669	611	561	539

Alternative 5 (LLT) minus No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	1	0	0	0	0	0	0	0	0	0
20%	4	2	1	0	1	1	1	0	2	8	0	5
30%	0	0	10	5	5	5	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	-1	0	0	0	2	0	0	0	0	0	-1
70%	0	1	5	0	0	0	0	0	-1	-1	0	0
80%	1	1	0	0	0	8	0	0	1	1	1	1
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	1	1	1	1	1	1	1	1	1	1	1	1
Water Year Types[b]												
Wet (32%)	1	1	1	1	1	1	1	1	1	1	1	1
Above Normal (15%)	1	1	1	1	1	1	0	1	1	1	1	1
Below Normal (17%)	0	0	0	0	0	0	0	0	0	0	0	0
Dry (22%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	1	1	1	1	1	1	1	1	1	2	2	2

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-6-22. New Melones Reservoir, End of Month Storage

No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,701	1,701	1,761	1,838	1,970	2,006	1,969	2,071	2,066	1,947	1,824	1,758
20%	1,605	1,606	1,662	1,708	1,856	1,878	1,877	1,919	1,918	1,802	1,690	1,641
30%	1,543	1,541	1,577	1,658	1,730	1,792	1,765	1,820	1,792	1,703	1,607	1,564
40%	1,436	1,433	1,509	1,572	1,643	1,713	1,667	1,616	1,653	1,595	1,507	1,462
50%	1,293	1,300	1,329	1,438	1,537	1,569	1,523	1,565	1,509	1,427	1,352	1,313
60%	1,188	1,182	1,234	1,325	1,362	1,407	1,388	1,401	1,355	1,283	1,231	1,206
70%	1,037	1,074	1,109	1,136	1,194	1,203	1,173	1,279	1,243	1,168	1,084	1,043
80%	816	824	847	888	950	1,023	1,033	1,052	1,029	949	879	837
90%	605	613	634	649	697	675	649	736	695	619	560	563
Long Term												
Full Simulation Period[a]	1,224	1,231	1,270	1,335	1,408	1,448	1,436	1,470	1,465	1,378	1,290	1,246
Water Year Types[b]												
Wet (32%)	1,420	1,427	1,495	1,615	1,724	1,782	1,809	1,917	1,963	1,863	1,745	1,677
Above Normal (15%)	1,172	1,195	1,255	1,363	1,476	1,557	1,557	1,623	1,602	1,499	1,408	1,366
Below Normal (17%)	1,162	1,167	1,190	1,229	1,308	1,348	1,336	1,394	1,389	1,301	1,216	1,180
Dry (22%)	1,286	1,286	1,302	1,315	1,348	1,374	1,331	1,287	1,247	1,170	1,099	1,066
Critical (15%)	835	835	846	856	863	843	784	711	667	609	559	537

Alternative 6A,6B,6C (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,700	1,694	1,756	1,837	1,970	1,999	1,968	2,063	2,060	1,941	1,822	1,757
20%	1,602	1,599	1,654	1,696	1,853	1,873	1,877	1,919	1,908	1,790	1,684	1,639
30%	1,542	1,535	1,571	1,657	1,725	1,790	1,764	1,820	1,787	1,700	1,607	1,559
40%	1,432	1,421	1,509	1,566	1,648	1,710	1,659	1,609	1,641	1,581	1,497	1,454
50%	1,288	1,301	1,327	1,423	1,534	1,571	1,526	1,571	1,509	1,423	1,346	1,304
60%	1,188	1,190	1,243	1,319	1,367	1,412	1,388	1,392	1,349	1,276	1,223	1,199
70%	1,034	1,053	1,101	1,146	1,183	1,203	1,170	1,280	1,251	1,175	1,091	1,050
80%	797	809	838	879	953	1,015	1,023	1,041	1,015	932	861	820
90%	596	604	625	640	693	672	655	727	685	610	551	554
Long Term												
Full Simulation Period[a]	1,221	1,227	1,267	1,332	1,405	1,444	1,433	1,467	1,463	1,374	1,286	1,242
Water Year Types[b]												
Wet (32%)	1,416	1,423	1,491	1,611	1,721	1,778	1,806	1,914	1,959	1,859	1,741	1,674
Above Normal (15%)	1,170	1,192	1,252	1,360	1,473	1,553	1,553	1,620	1,602	1,499	1,408	1,366
Below Normal (17%)	1,156	1,162	1,185	1,224	1,302	1,343	1,332	1,391	1,387	1,298	1,213	1,177
Dry (22%)	1,285	1,285	1,301	1,314	1,347	1,373	1,330	1,286	1,245	1,165	1,095	1,062
Critical (15%)	830	830	841	850	858	838	779	708	664	603	553	533

Alternative 6A,6B,6C (LLT) minus No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-1	-7	-5	-1	0	-7	-1	-8	-6	-7	-1	-1
20%	-3	-7	-8	-12	-3	-5	0	0	-10	-11	-6	-2
30%	-2	-6	-6	-1	-5	-2	-1	0	-5	-3	0	-5
40%	-4	-12	0	-6	4	-3	-8	-7	-12	-15	-10	-8
50%	-5	2	-2	-15	-3	2	3	7	0	-4	-6	-9
60%	1	8	9	-6	5	5	0	-9	-6	-7	-8	-6
70%	-3	-21	-8	10	-11	-1	-3	0	8	7	7	6
80%	-19	-15	-9	-9	4	-8	-10	-10	-14	-17	-18	-17
90%	-9	-9	-9	-9	-4	-4	6	-9	-10	-9	-9	-9
Long Term												
Full Simulation Period[a]	-3	-4	-4	-4	-4	-4	-3	-3	-3	-4	-4	-3
Water Year Types[b]												
Wet (32%)	-4	-4	-4	-4	-4	-3	-3	-3	-4	-4	-3	-3
Above Normal (15%)	-2	-2	-3	-3	-4	-4	-4	-4	0	0	0	0
Below Normal (17%)	-6	-6	-6	-5	-5	-5	-4	-3	-2	-4	-4	-4
Dry (22%)	-1	-1	-1	-1	-1	-1	-1	-1	-2	-5	-4	-4
Critical (15%)	-5	-5	-5	-5	-5	-5	-5	-3	-4	-6	-6	-5

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-6-23. New Melones Reservoir, End of Month Storage

No Action Alternative (LLT)

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,701	1,701	1,761	1,838	1,970	2,006	1,969	2,071	2,066	1,947	1,824	1,758
20%	1,605	1,606	1,662	1,708	1,856	1,878	1,877	1,919	1,918	1,802	1,690	1,641
30%	1,543	1,541	1,577	1,658	1,730	1,792	1,765	1,820	1,792	1,703	1,607	1,564
40%	1,436	1,433	1,509	1,572	1,643	1,713	1,667	1,616	1,653	1,595	1,507	1,462
50%	1,293	1,300	1,329	1,438	1,537	1,569	1,523	1,565	1,509	1,427	1,352	1,313
60%	1,188	1,182	1,234	1,325	1,362	1,407	1,388	1,401	1,355	1,283	1,231	1,206
70%	1,037	1,074	1,109	1,136	1,194	1,203	1,173	1,279	1,243	1,168	1,084	1,043
80%	816	824	847	888	950	1,023	1,033	1,052	1,029	949	879	837
90%	605	613	634	649	697	675	649	736	695	619	560	563
Long Term												
Full Simulation Period[a]	1,224	1,231	1,270	1,335	1,408	1,448	1,436	1,470	1,465	1,378	1,290	1,246
Water Year Types[b]												
Wet (32%)	1,420	1,427	1,495	1,615	1,724	1,782	1,809	1,917	1,963	1,863	1,745	1,677
Above Normal (15%)	1,172	1,195	1,255	1,363	1,476	1,557	1,557	1,623	1,602	1,499	1,408	1,366
Below Normal (17%)	1,162	1,167	1,190	1,229	1,308	1,348	1,336	1,394	1,389	1,301	1,216	1,180
Dry (22%)	1,286	1,286	1,302	1,315	1,348	1,374	1,331	1,287	1,247	1,170	1,099	1,066
Critical (15%)	835	835	846	856	863	843	784	711	667	609	559	537

Alternative 7 (LLT)

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,700	1,695	1,754	1,836	1,969	1,990	1,968	2,062	2,060	1,941	1,822	1,757
20%	1,608	1,602	1,650	1,692	1,853	1,871	1,878	1,919	1,915	1,796	1,687	1,640
30%	1,541	1,537	1,580	1,655	1,730	1,792	1,763	1,820	1,788	1,700	1,608	1,559
40%	1,433	1,421	1,509	1,566	1,644	1,709	1,659	1,608	1,635	1,577	1,493	1,450
50%	1,275	1,287	1,319	1,417	1,538	1,569	1,518	1,553	1,505	1,417	1,340	1,299
60%	1,186	1,188	1,226	1,303	1,355	1,400	1,379	1,386	1,342	1,279	1,224	1,198
70%	1,023	1,042	1,100	1,135	1,179	1,194	1,161	1,273	1,250	1,170	1,086	1,045
80%	786	798	825	867	933	1,018	1,019	1,037	1,008	926	855	815
90%	593	601	622	636	693	650	633	727	688	607	548	551
Long Term												
Full Simulation Period[a]	1,216	1,223	1,262	1,327	1,400	1,440	1,429	1,463	1,458	1,369	1,281	1,237
Water Year Types[b]												
Wet (32%)	1,412	1,419	1,488	1,609	1,719	1,777	1,804	1,913	1,958	1,858	1,740	1,672
Above Normal (15%)	1,166	1,189	1,248	1,356	1,470	1,551	1,550	1,617	1,597	1,493	1,402	1,360
Below Normal (17%)	1,150	1,155	1,178	1,217	1,296	1,336	1,325	1,384	1,381	1,291	1,206	1,170
Dry (22%)	1,278	1,278	1,294	1,307	1,340	1,367	1,324	1,279	1,239	1,157	1,086	1,053
Critical (15%)	825	824	835	845	852	832	773	701	657	595	546	526

Alternative 7 (LLT) minus No Action Alternative (LLT)

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-1	-6	-7	-2	-1	-16	-1	-8	-6	-6	-1	-1
20%	3	-4	-12	-16	-3	-7	1	0	-4	-6	-3	-1
30%	-3	-4	3	-3	0	0	-2	0	-4	-3	0	-4
40%	-3	-12	0	-6	1	-5	-8	-8	-18	-18	-14	-12
50%	-18	-12	-11	-22	1	1	-5	-12	-4	-11	-12	-14
60%	-1	6	-8	-22	-6	-6	-10	-15	-13	-5	-7	-8
70%	-13	-31	-8	-2	-15	-9	-12	-6	7	2	2	2
80%	-29	-25	-21	-21	-17	-5	-13	-15	-22	-22	-24	-21
90%	-12	-12	-12	-13	-4	-25	-16	-8	-7	-12	-12	-12
Long Term												
Full Simulation Period[a]	-8	-8	-8	-8	-8	-8	-8	-7	-7	-9	-9	-8
Water Year Types[b]												
Wet (32%)	-7	-7	-7	-7	-5	-5	-5	-4	-5	-5	-4	-4
Above Normal (15%)	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6
Below Normal (17%)	-12	-12	-12	-12	-12	-12	-11	-10	-9	-10	-10	-10
Dry (22%)	-7	-7	-7	-7	-7	-7	-8	-8	-8	-13	-13	-13
Critical (15%)	-10	-11	-11	-11	-11	-11	-11	-10	-11	-14	-13	-12

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-6-24. New Melones Reservoir, End of Month Storage

No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,701	1,701	1,761	1,838	1,970	2,006	1,969	2,071	2,066	1,947	1,824	1,758
20%	1,605	1,606	1,662	1,708	1,856	1,878	1,877	1,919	1,918	1,802	1,690	1,641
30%	1,543	1,541	1,577	1,658	1,730	1,792	1,765	1,820	1,792	1,703	1,607	1,564
40%	1,436	1,433	1,509	1,572	1,643	1,713	1,667	1,616	1,653	1,595	1,507	1,462
50%	1,293	1,300	1,329	1,438	1,537	1,569	1,523	1,565	1,509	1,427	1,352	1,313
60%	1,188	1,182	1,234	1,325	1,362	1,407	1,388	1,401	1,355	1,283	1,231	1,206
70%	1,037	1,074	1,109	1,136	1,194	1,203	1,173	1,279	1,243	1,168	1,084	1,043
80%	816	824	847	888	950	1,023	1,033	1,052	1,029	949	879	837
90%	605	613	634	649	697	675	649	736	695	619	560	563
Long Term												
Full Simulation Period[a]	1,224	1,231	1,270	1,335	1,408	1,448	1,436	1,470	1,465	1,378	1,290	1,246
Water Year Types[b]												
Wet (32%)	1,420	1,427	1,495	1,615	1,724	1,782	1,809	1,917	1,963	1,863	1,745	1,677
Above Normal (15%)	1,172	1,195	1,255	1,363	1,476	1,557	1,557	1,623	1,602	1,499	1,408	1,366
Below Normal (17%)	1,162	1,167	1,190	1,229	1,308	1,348	1,336	1,394	1,389	1,301	1,216	1,180
Dry (22%)	1,286	1,286	1,302	1,315	1,348	1,374	1,331	1,287	1,247	1,170	1,099	1,066
Critical (15%)	835	835	846	856	863	843	784	711	667	609	559	537

Alternative 8 (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,700	1,693	1,751	1,836	1,968	1,988	1,968	2,062	2,060	1,940	1,822	1,757
20%	1,607	1,599	1,648	1,694	1,851	1,869	1,876	1,919	1,915	1,805	1,690	1,642
30%	1,539	1,536	1,577	1,651	1,728	1,796	1,762	1,820	1,788	1,701	1,607	1,561
40%	1,433	1,421	1,507	1,567	1,647	1,709	1,658	1,606	1,630	1,575	1,490	1,448
50%	1,285	1,294	1,322	1,426	1,536	1,568	1,518	1,565	1,499	1,411	1,338	1,302
60%	1,186	1,188	1,230	1,304	1,358	1,394	1,390	1,395	1,342	1,275	1,221	1,196
70%	1,031	1,051	1,094	1,146	1,177	1,198	1,166	1,272	1,251	1,175	1,090	1,049
80%	779	791	822	864	943	1,011	1,020	1,033	1,008	926	854	811
90%	584	591	612	627	689	663	642	719	678	597	538	542
Long Term												
Full Simulation Period[a]	1,217	1,223	1,263	1,328	1,401	1,441	1,430	1,464	1,459	1,370	1,282	1,238
Water Year Types[b]												
Wet (32%)	1,413	1,419	1,488	1,609	1,719	1,777	1,804	1,913	1,958	1,858	1,740	1,672
Above Normal (15%)	1,166	1,188	1,247	1,355	1,469	1,550	1,549	1,617	1,596	1,492	1,401	1,359
Below Normal (17%)	1,151	1,157	1,181	1,220	1,299	1,339	1,328	1,387	1,384	1,294	1,209	1,173
Dry (22%)	1,280	1,279	1,295	1,308	1,341	1,368	1,325	1,281	1,240	1,157	1,087	1,054
Critical (15%)	826	825	836	846	853	833	774	703	658	597	549	528

Alternative 8 (LLT) minus No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-1	-8	-10	-2	-2	-18	-1	-8	-6	-7	-2	-1
20%	2	-7	-13	-14	-5	-10	-1	0	-4	3	0	2
30%	-4	-5	1	-7	-2	4	-3	0	-3	-2	0	-3
40%	-3	-11	-1	-4	3	-4	-9	-10	-23	-20	-17	-14
50%	-8	-5	-7	-12	-2	-1	-5	1	-10	-17	-15	-11
60%	-2	6	-5	-21	-4	-12	1	-5	-13	-9	-10	-10
70%	-6	-22	-15	9	-17	-5	-7	-8	8	7	6	6
80%	-36	-32	-24	-24	-7	-12	-13	-18	-21	-23	-24	-26
90%	-22	-22	-22	-22	-8	-13	-7	-17	-17	-22	-22	-22
Long Term												
Full Simulation Period[a]	-8	-8	-8	-8	-7	-7	-7	-6	-6	-8	-8	-8
Water Year Types[b]												
Wet (32%)	-7	-7	-7	-7	-5	-5	-5	-4	-5	-5	-5	-4
Above Normal (15%)	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7
Below Normal (17%)	-10	-11	-9	-9	-9	-9	-7	-6	-5	-8	-8	-8
Dry (22%)	-6	-6	-7	-6	-6	-6	-6	-6	-7	-12	-12	-12
Critical (15%)	-9	-10	-10	-10	-10	-10	-10	-8	-9	-12	-10	-9

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-6-25. New Melones Reservoir, End of Month Storage

No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,701	1,701	1,761	1,838	1,970	2,006	1,969	2,071	2,066	1,947	1,824	1,758
20%	1,605	1,606	1,662	1,708	1,856	1,878	1,877	1,919	1,918	1,802	1,690	1,641
30%	1,543	1,541	1,577	1,658	1,730	1,792	1,765	1,820	1,792	1,703	1,607	1,564
40%	1,436	1,433	1,509	1,572	1,643	1,713	1,667	1,616	1,653	1,595	1,507	1,462
50%	1,293	1,300	1,329	1,438	1,537	1,569	1,523	1,565	1,509	1,427	1,352	1,313
60%	1,188	1,182	1,234	1,325	1,362	1,407	1,388	1,401	1,355	1,283	1,231	1,206
70%	1,037	1,074	1,109	1,136	1,194	1,203	1,173	1,279	1,243	1,168	1,084	1,043
80%	816	824	847	888	950	1,023	1,033	1,052	1,029	949	879	837
90%	605	613	634	649	697	675	649	736	695	619	560	563
Long Term												
Full Simulation Period[a]	1,224	1,231	1,270	1,335	1,408	1,448	1,436	1,470	1,465	1,378	1,290	1,246
Water Year Types[b]												
Wet (32%)	1,420	1,427	1,495	1,615	1,724	1,782	1,809	1,917	1,963	1,863	1,745	1,677
Above Normal (15%)	1,172	1,195	1,255	1,363	1,476	1,557	1,557	1,623	1,602	1,499	1,408	1,366
Below Normal (17%)	1,162	1,167	1,190	1,229	1,308	1,348	1,336	1,394	1,389	1,301	1,216	1,180
Dry (22%)	1,286	1,286	1,302	1,315	1,348	1,374	1,331	1,287	1,247	1,170	1,099	1,066
Critical (15%)	835	835	846	856	863	843	784	711	667	609	559	537

Alternative 9 (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,701	1,701	1,763	1,838	1,970	2,006	1,969	2,071	2,066	1,947	1,824	1,758
20%	1,608	1,609	1,663	1,708	1,858	1,880	1,884	1,919	1,922	1,810	1,690	1,646
30%	1,543	1,541	1,586	1,663	1,736	1,796	1,766	1,820	1,792	1,703	1,607	1,564
40%	1,436	1,434	1,509	1,572	1,643	1,714	1,668	1,618	1,654	1,596	1,508	1,463
50%	1,293	1,300	1,330	1,440	1,537	1,569	1,524	1,566	1,510	1,429	1,355	1,314
60%	1,188	1,187	1,237	1,327	1,364	1,413	1,389	1,401	1,356	1,284	1,231	1,208
70%	1,038	1,076	1,115	1,138	1,195	1,207	1,174	1,282	1,250	1,175	1,086	1,045
80%	817	826	849	890	951	1,032	1,033	1,052	1,031	951	881	838
90%	605	613	634	649	696	679	651	736	695	619	560	563
Long Term												
Full Simulation Period[a]	1,226	1,233	1,273	1,338	1,410	1,450	1,439	1,472	1,467	1,380	1,292	1,248
Water Year Types[b]												
Wet (32%)	1,421	1,428	1,497	1,617	1,726	1,784	1,811	1,919	1,965	1,864	1,746	1,678
Above Normal (15%)	1,175	1,197	1,257	1,365	1,478	1,558	1,558	1,625	1,604	1,500	1,409	1,367
Below Normal (17%)	1,165	1,171	1,194	1,233	1,311	1,351	1,339	1,397	1,393	1,305	1,220	1,183
Dry (22%)	1,287	1,287	1,303	1,316	1,349	1,375	1,333	1,288	1,248	1,171	1,100	1,067
Critical (15%)	838	838	849	859	866	846	788	715	671	613	564	541

Alternative 9 (LLT) minus No Action Alternative (LLT)

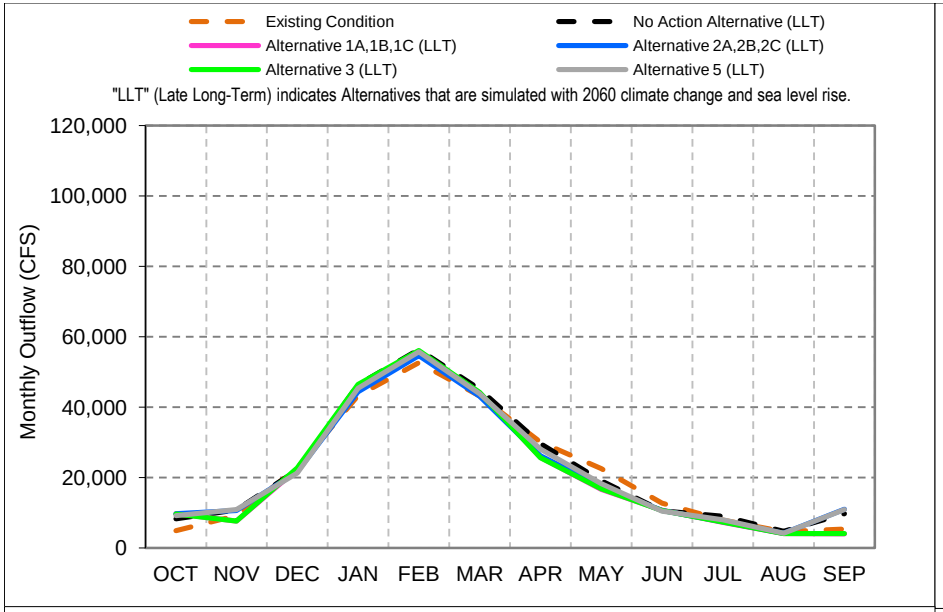
	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	2	0	0	0	0	0	0	0	0	0
20%	3	2	1	0	2	2	7	0	3	9	0	5
30%	0	0	10	5	6	4	1	0	0	0	0	0
40%	0	1	0	0	0	0	1	1	1	1	1	1
50%	1	0	1	1	0	0	1	1	1	1	2	1
60%	0	5	3	2	3	6	1	1	1	0	0	2
70%	1	2	6	2	1	4	1	2	7	7	2	2
80%	2	2	2	2	1	9	1	1	2	2	2	2
90%	0	0	0	0	-1	4	2	1	0	0	0	0
Long Term												
Full Simulation Period[a]	2	2	2	2	2	2	2	2	2	2	2	2
Water Year Types[b]												
Wet (32%)	1	1	2	2	2	2	2	2	2	1	1	1
Above Normal (15%)	3	3	2	2	2	2	2	2	2	1	1	1
Below Normal (17%)	3	3	3	3	3	3	3	3	3	3	3	3
Dry (22%)	1	1	1	1	1	1	1	1	1	1	1	1
Critical (15%)	3	3	3	3	3	3	3	3	3	4	4	4

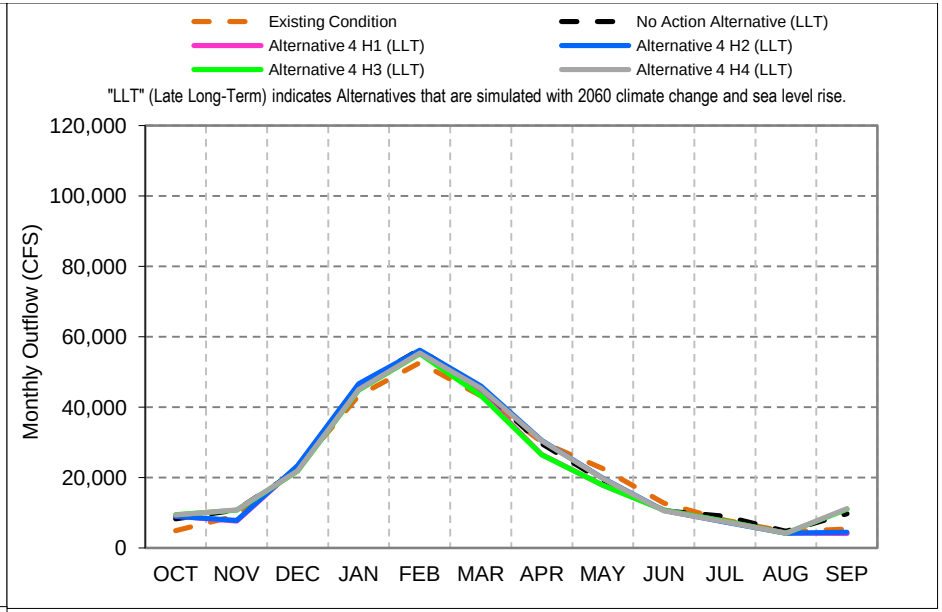
Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

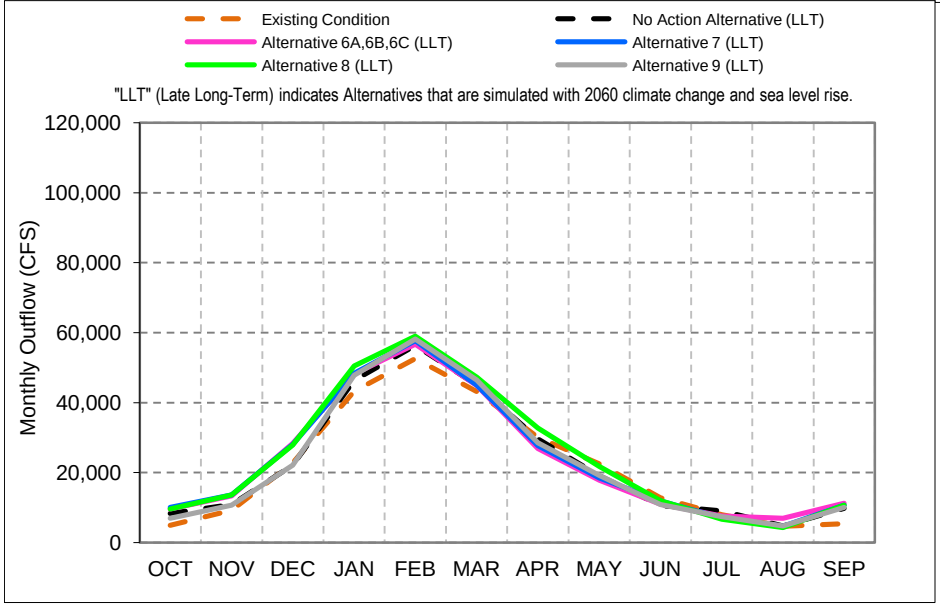
a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

C.7. Delta Outflow



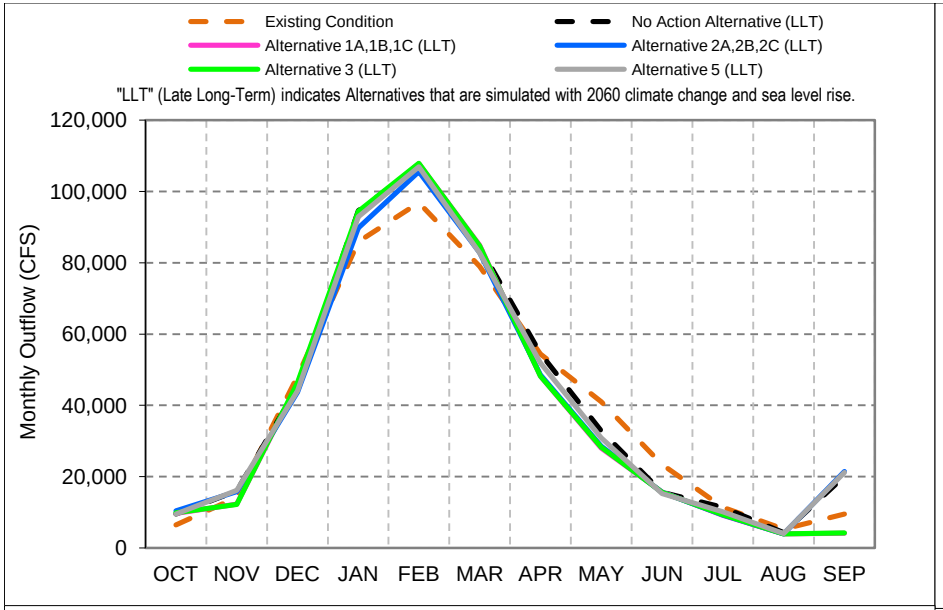


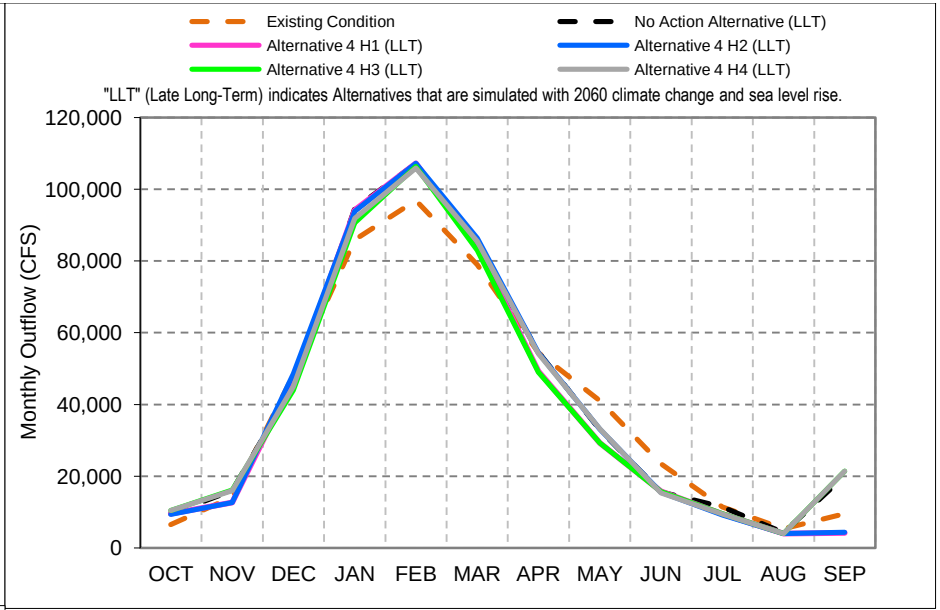


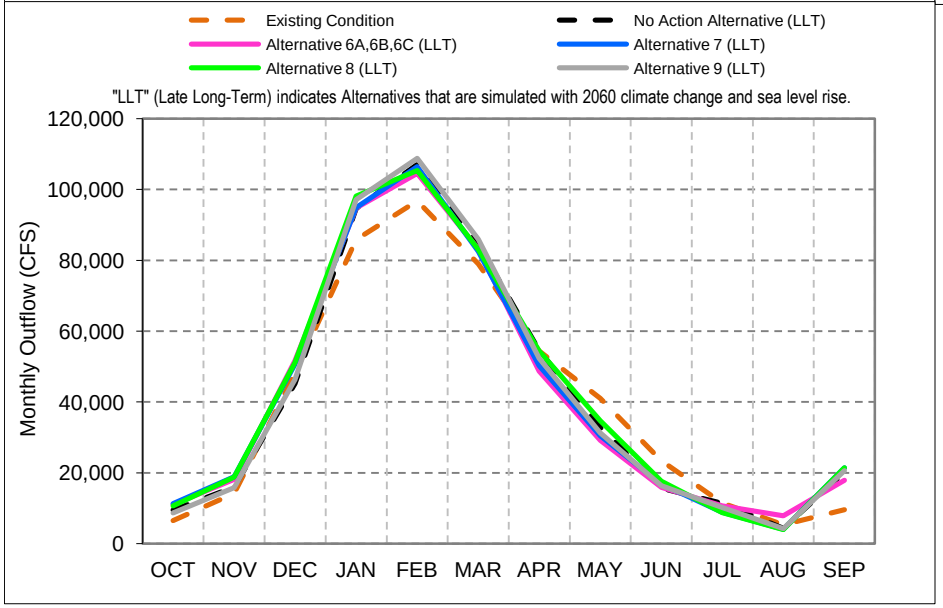
Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-7-1. Sacramento/San Joaquin River Delta Outflow, Long-Term Average Outflow





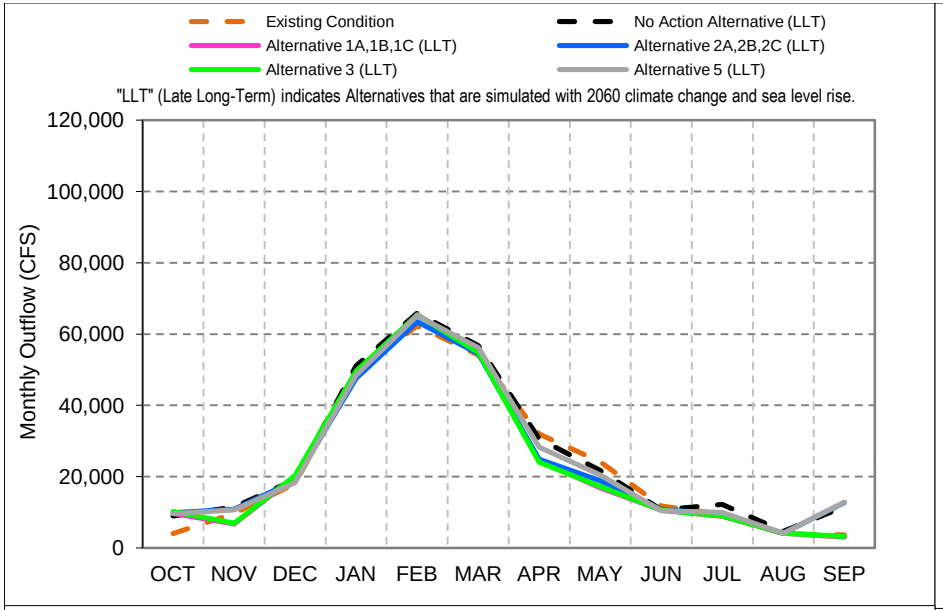


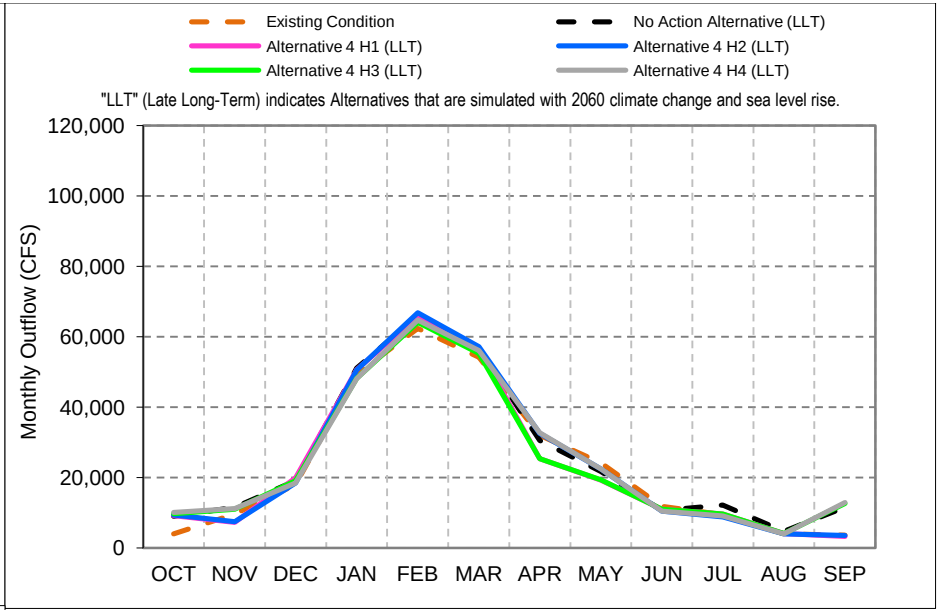
Alternative 4 Scenario Definitions:

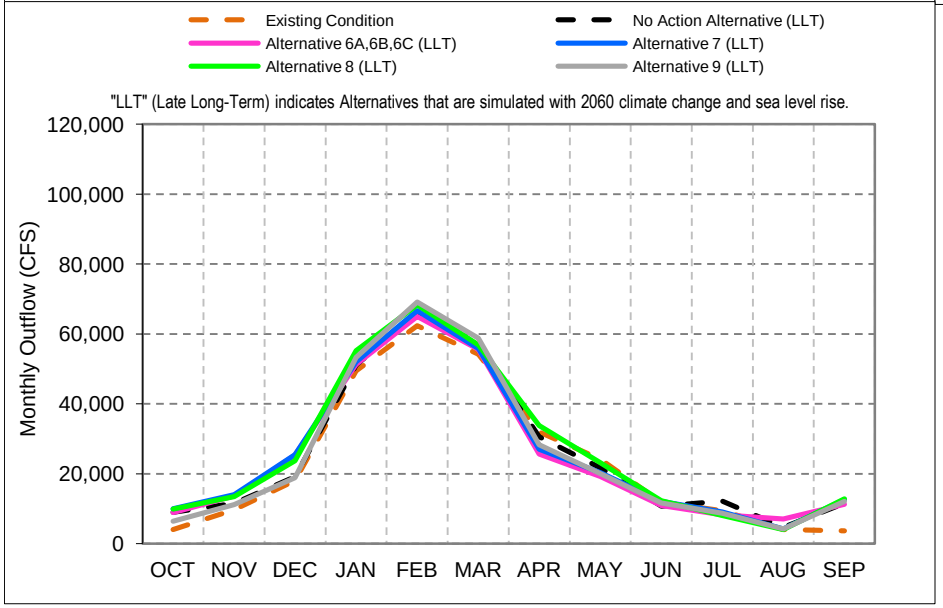
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-7-2. Sacramento/San Joaquin River Delta Outflow, Wet Year* Average Outflow





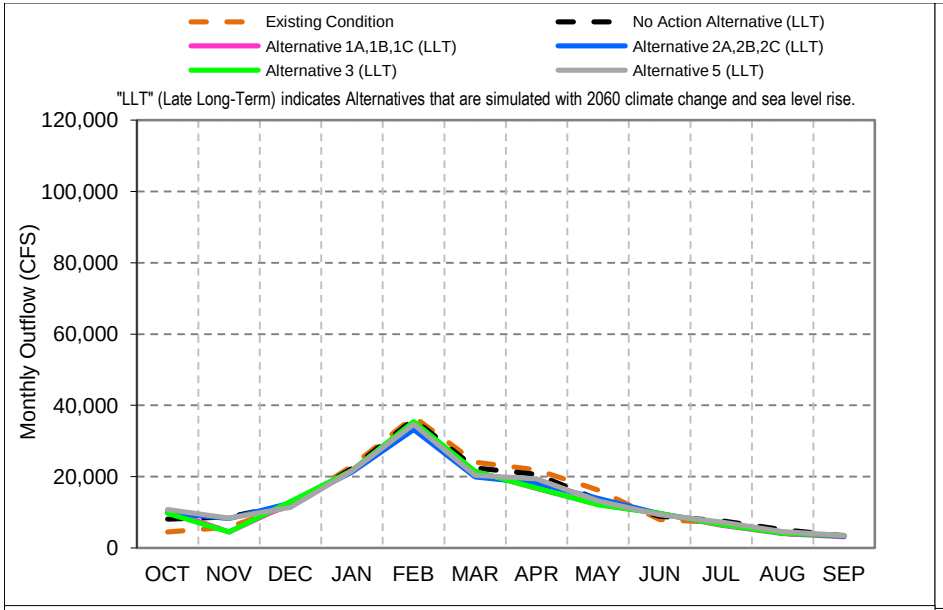


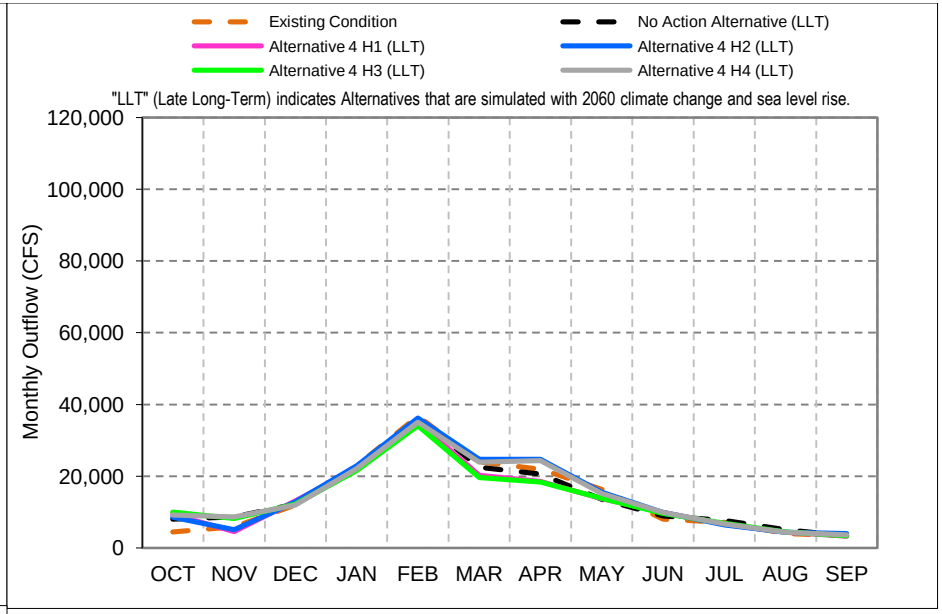
Alternative 4 Scenario Definitions:

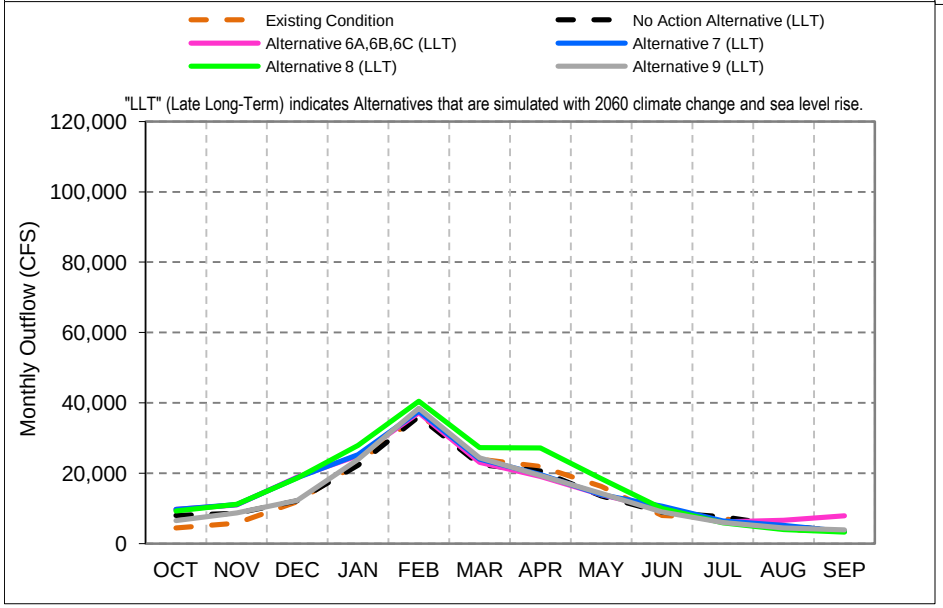
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-7-3. Sacramento/San Joaquin River Delta Outflow, Above Normal Year* Average Outflow





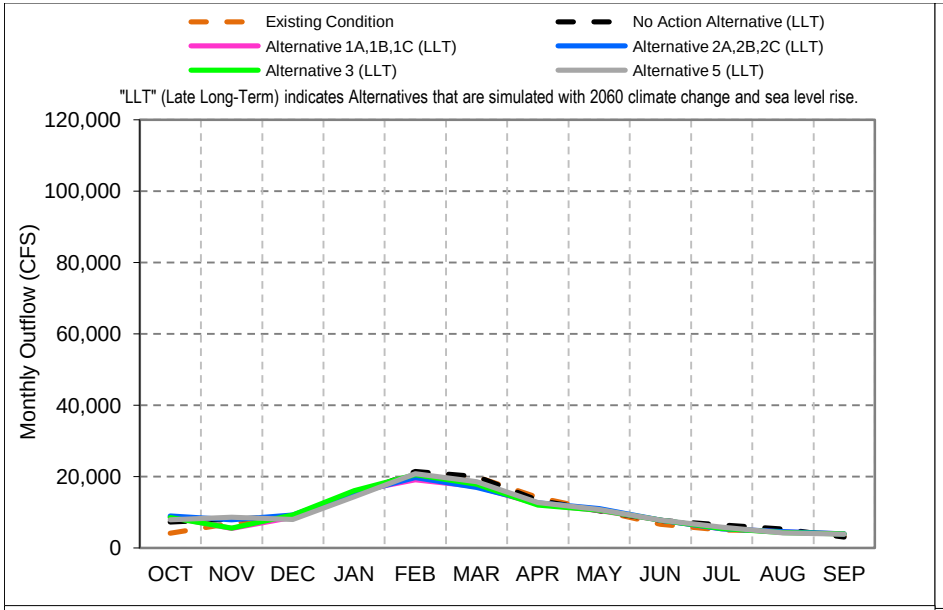


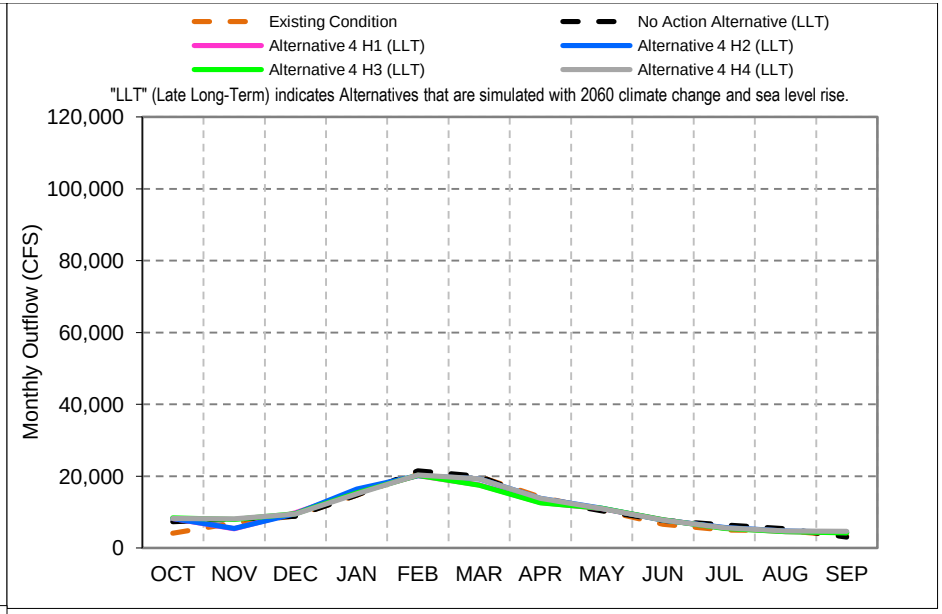
Alternative 4 Scenario Definitions:

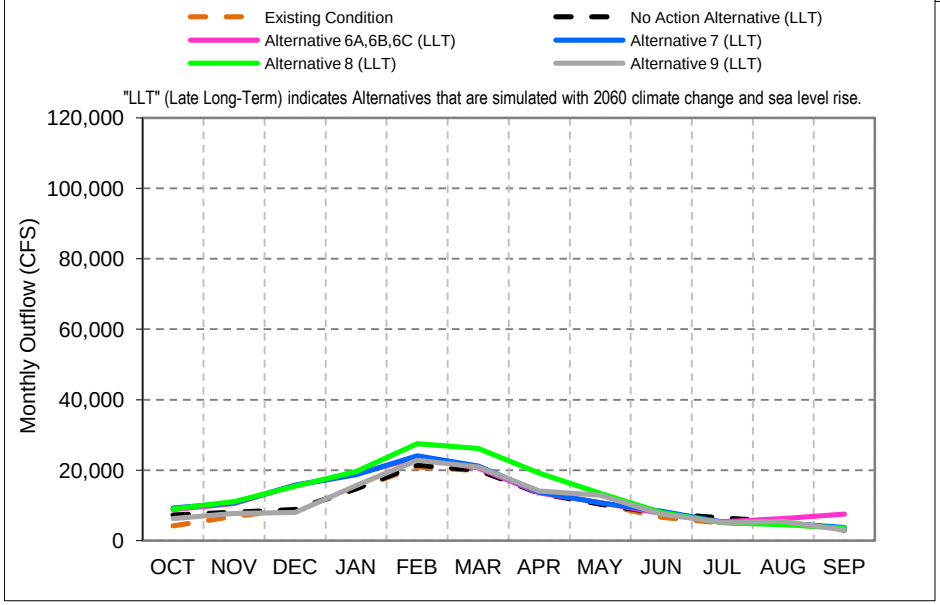
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-7-4. Sacramento/San Joaquin River Delta Outflow, Below Normal Year* Average Outflow





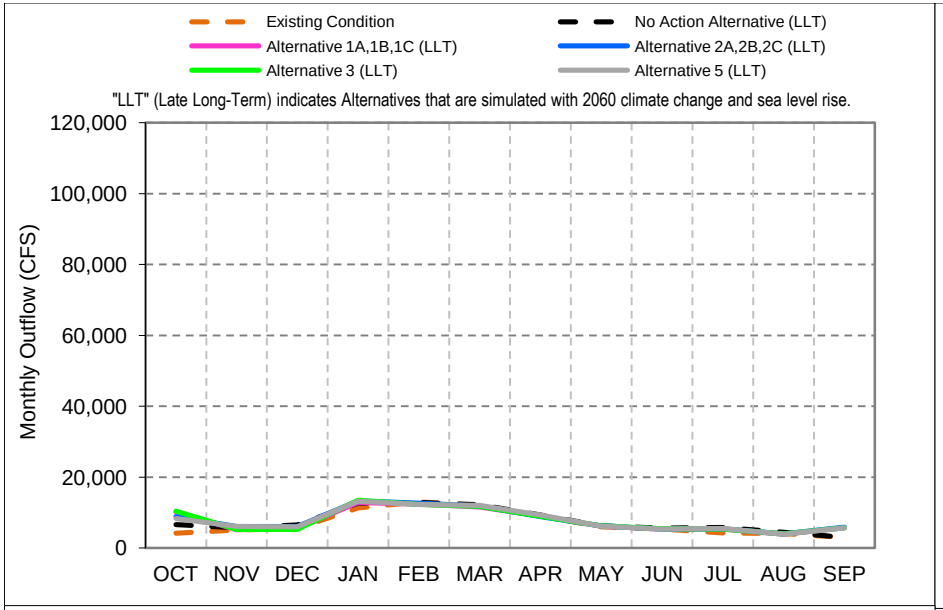


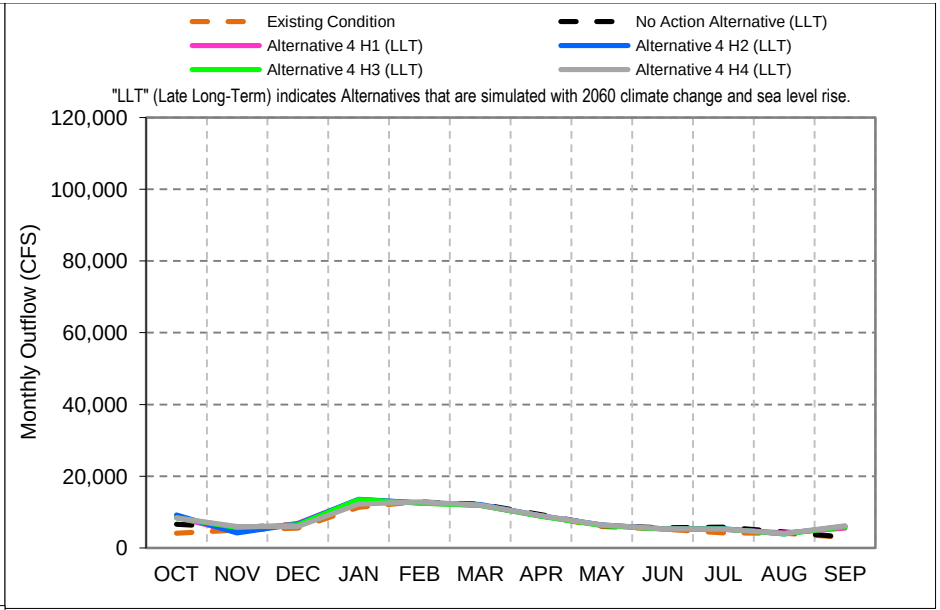
Alternative 4 Scenario Definitions:

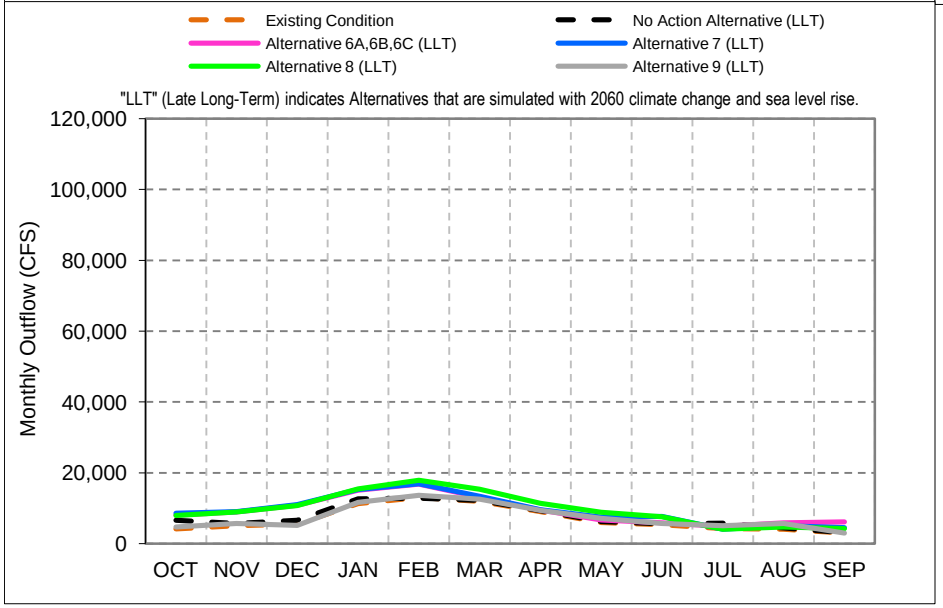
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-7-5. Sacramento/San Joaquin River Delta Outflow, Dry Year* Average Outflow







Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-7-6. Sacramento/San Joaquin River Delta Outflow, Critical Year* Average Outflow

Table C-7-1-1. Sacramento/San Joaquin River Delta, Monthly Outflow Rate

Existing Condition

	Monthly Outflow Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	6,715	16,643	65,896	106,566	123,159	91,606	68,957	53,731	29,717	11,010	5,650	10,109	44,440
20%	4,603	7,613	35,641	67,111	77,058	62,905	49,306	30,361	14,749	8,727	4,745	7,872	33,383
30%	4,351	6,239	20,351	47,588	62,823	46,968	29,154	21,936	10,328	8,000	4,448	4,079	27,538
40%	4,008	5,799	11,724	31,660	51,243	33,850	26,561	19,505	7,942	8,000	4,000	3,853	21,405
50%	4,000	5,100	8,176	23,462	36,121	26,533	19,193	16,166	7,270	8,000	4,000	3,606	14,765
60%	4,000	4,783	6,464	17,526	23,293	21,654	15,823	12,445	7,100	6,500	4,000	3,401	12,401
70%	4,000	4,500	5,283	12,909	17,199	16,769	12,969	10,254	6,716	5,000	4,000	3,078	10,505
80%	4,000	4,500	5,014	9,907	13,613	12,799	11,160	8,720	6,300	5,000	4,000	3,000	8,963
90%	3,817	4,500	4,500	8,652	9,542	9,714	9,643	7,100	5,187	4,300	4,000	3,000	7,328
Long Term													
Full Simulation Period[a]	4,931	9,193	22,714	43,289	52,594	43,172	30,099	22,517	12,765	7,951	4,618	5,334	21,598
Water Year Types[b]													
Wet (32%)	6,487	14,232	48,185	85,900	96,835	78,956	54,394	41,040	23,451	11,441	5,341	9,569	39,652
Above Normal (15%)	4,021	9,683	18,014	49,448	62,321	54,171	31,975	24,200	11,801	9,430	4,000	3,672	23,561
Below Normal (17%)	4,477	5,864	11,950	22,968	36,766	24,029	21,928	16,299	8,004	7,151	4,000	3,445	13,907
Dry (22%)	4,157	6,943	8,884	14,736	20,915	19,880	14,142	10,487	6,636	5,024	4,829	3,350	9,999
Critical (15%)	4,158	5,045	5,531	11,343	12,991	11,911	9,053	6,000	5,322	4,238	4,077	3,000	6,889

No Action Alternative (LLT)

	Monthly Outflow Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	11,234	15,469	68,167	106,474	135,965	93,131	68,298	39,760	18,601	13,558	6,297	21,250	46,341
20%	10,938	14,343	32,181	75,213	92,435	70,389	44,438	25,887	11,104	12,779	5,570	20,750	35,257
30%	10,578	12,905	16,907	48,241	64,656	49,395	29,251	18,934	10,265	10,830	5,270	17,016	29,149
40%	8,125	10,938	12,033	29,372	51,011	33,034	24,619	14,380	8,874	9,988	4,637	11,875	23,365
50%	7,763	10,182	9,176	22,068	36,623	25,464	18,289	13,070	8,353	8,281	4,154	3,470	15,033
60%	7,263	5,398	7,365	18,568	22,394	19,021	14,930	11,203	8,150	7,694	4,000	3,000	12,836
70%	6,651	4,506	5,502	14,279	18,411	17,306	11,588	10,187	7,383	6,500	4,000	3,000	10,708
80%	5,416	4,500	4,802	10,583	12,804	12,757	10,558	9,666	7,100	5,353	4,000	3,000	9,317
90%	4,675	3,867	4,500	8,795	9,837	9,752	9,922	7,114	6,616	5,000	4,000	3,000	8,196
Long Term													
Full Simulation Period[a]	8,276	10,844	22,113	46,372	56,338	45,097	29,603	19,121	10,560	8,984	4,754	9,754	22,651
Water Year Types[b]													
Wet (32%)	9,520	15,987	45,191	94,620	107,085	84,471	54,562	32,880	15,640	11,407	4,308	20,078	41,312
Above Normal (15%)	8,982	11,529	19,119	51,100	65,873	56,737	30,576	21,709	10,676	12,225	4,713	11,581	25,402
Below Normal (17%)	8,054	8,681	12,231	22,301	36,084	22,467	20,641	13,596	8,943	7,668	5,129	3,428	14,102
Dry (22%)	7,294	8,052	8,828	14,732	21,461	19,985	13,413	10,375	7,689	6,448	5,348	3,021	10,554
Critical (15%)	6,607	5,725	6,560	12,651	12,798	12,215	9,294	6,286	5,632	5,832	4,433	3,036	7,589

No Action Alternative (LLT) minus Existing Condition

	Monthly Outflow Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	4,519	**-1,174**	2,272	**-92**	12,806	1,525	**-658**	**-13,971**	**-11,115**	2,548	647	11,141	1,901
20%	6,335	6,730	**-3,461**	8,102	15,377	7,485	**-4,868**	**-4,474**	**-3,645**	4,052	825	12,878	1,875
30%	6,227	6,666	**-3,444**	654	1,833	2,427	97	**-3,003**	**-63**	2,830	822	12,936	1,611
40%	4,117	5,139	309	**-2,288**	**-233**	**-816**	**-1,942**	**-5,125**	932	1,988	637	8,022	1,960
50%	3,763	5,083	999	**-1,394**	502	**-1,069**	**-904**	**-3,095**	1,083	281	154	**-136**	268
60%	3,263	615	902	1,042	**-899**	**-2,633**	**-893**	**-1,242**	1,050	1,194	0	**-401**	435
70%	2,651	6	219	1,371	1,211	538	**-1,381**	**-68**	667	1,500	**0**	**-78**	202
80%	1,416	0	**-212**	676	**-808**	**-43**	**-603**	946	800	353	0	0	354
90%	858	**-633**	0	143	295	37	279	14	1,429	700	0	0	867
Long Term													
Full Simulation Period[a]	3,345	1,651	**-602**	3,083	3,745	1,925	**-496**	**-3,396**	**-2,204**	1,032	136	4,420	1,053
Water Year Types[b]													
Wet (32%)	3,033	1,755	**-2,994**	8,720	10,250	5,516	168	**-8,159**	**-7,811**	**-34**	**-1,033**	10,509	1,660
Above Normal (15%)	4,961	1,845	1,105	1,652	3,552	2,567	**-1,399**	**-2,491**	**-1,125**	2,794	713	7,909	1,840
Below Normal (17%)	3,577	2,817	281	**-667**	**-682**	**-1,561**	**-1,287**	**-2,703**	939	517	1,129	**-17**	195
Dry (22%)	3,137	1,110	**-56**	**-3**	546	105	**-728**	**-112**	1,054	1,425	519	**-329**	555
Critical (15%)	2,449	680	1,029	1,308	**-193**	304	240	286	310	1,594	356	36	700

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-7-1-2. Sacramento/San Joaquin River Delta, Monthly Outflow Rate

Existing Condition

	Monthly Outflow Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	6,715	16,643	65,896	106,566	123,159	91,606	68,957	53,731	29,717	11,010	5,650	10,109	44,440
20%	4,603	7,613	35,641	67,111	77,058	62,905	49,306	30,361	14,749	8,727	4,745	7,872	33,383
30%	4,351	6,239	20,351	47,588	62,823	46,968	29,154	21,936	10,328	8,000	4,448	4,079	27,538
40%	4,008	5,799	11,724	31,660	51,243	33,850	26,561	19,505	7,942	8,000	4,000	3,853	21,405
50%	4,000	5,100	8,176	23,462	36,121	26,533	19,193	16,166	7,270	8,000	4,000	3,606	14,765
60%	4,000	4,783	6,464	17,526	23,293	21,654	15,823	12,445	7,100	6,500	4,000	3,401	12,401
70%	4,000	4,500	5,283	12,909	17,199	16,769	12,969	10,254	6,716	5,000	4,000	3,078	10,505
80%	4,000	4,500	5,014	9,907	13,613	12,799	11,160	8,720	6,300	5,000	4,000	3,000	8,963
90%	3,817	4,500	4,500	8,652	9,542	9,714	9,643	7,100	5,187	4,300	4,000	3,000	7,328
Long Term													
Full Simulation Period[a]	4,931	9,193	22,714	43,289	52,594	43,172	30,099	22,517	12,765	7,951	4,618	5,334	21,598
Water Year Types[b]													
Wet (32%)	6,487	14,232	48,185	85,900	96,835	78,956	54,394	41,040	23,451	11,441	5,341	9,569	39,652
Above Normal (15%)	4,021	9,683	18,014	49,448	62,321	54,171	31,975	24,200	11,801	9,430	4,000	3,672	23,561
Below Normal (17%)	4,477	5,864	11,950	22,968	36,766	24,029	21,928	16,299	8,004	7,151	4,000	3,445	13,907
Dry (22%)	4,157	6,943	8,884	14,736	20,915	19,880	14,142	10,487	6,636	5,024	4,829	3,350	9,999
Critical (15%)	4,158	5,045	5,531	11,343	12,991	11,911	9,053	6,000	5,322	4,238	4,077	3,000	6,889

Alternative 1A,1B,1C (LLT)

	Monthly Outflow Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	14,892	12,208	65,589	107,924	144,261	97,384	60,689	30,856	17,412	10,217	4,943	6,172	42,926
20%	13,600	6,898	32,429	75,726	89,340	68,645	38,153	19,534	11,509	8,957	4,386	4,594	33,546
30%	12,224	4,652	17,271	43,792	61,413	43,025	22,217	15,435	10,923	8,254	4,011	3,858	26,477
40%	11,418	4,500	12,072	26,186	48,267	31,762	18,131	11,961	10,166	8,000	4,000	3,250	19,326
50%	9,396	4,500	9,243	22,330	34,155	24,441	13,208	11,400	9,378	7,861	4,000	3,000	13,911
60%	8,602	4,500	7,605	19,216	20,575	18,385	11,948	10,729	8,537	6,500	4,000	3,000	12,256
70%	6,509	4,500	5,867	15,823	16,793	15,574	11,092	10,092	7,550	5,138	4,000	3,000	10,137
80%	4,777	4,500	4,992	13,440	12,387	12,729	10,241	8,899	7,117	5,000	4,000	3,000	8,914
90%	3,480	4,500	4,508	10,737	10,747	9,553	9,748	7,121	6,611	5,000	3,522	3,000	8,047
Long Term													
Full Simulation Period[a]	9,698	7,629	22,347	45,847	55,743	44,102	25,754	16,646	10,706	7,271	4,132	4,028	21,159
Water Year Types[b]													
Wet (32%)	9,685	12,336	45,940	93,735	107,800	84,947	48,246	27,984	15,739	9,186	4,000	4,185	38,649
Above Normal (15%)	9,717	6,760	20,042	48,196	65,435	54,848	24,457	16,919	10,625	8,891	4,175	3,077	22,762
Below Normal (17%)	10,487	4,493	12,524	21,763	35,010	21,443	16,714	12,204	9,688	6,388	4,088	3,190	13,166
Dry (22%)	8,757	5,494	8,634	15,816	19,127	17,264	12,324	10,508	7,844	5,397	4,470	3,979	9,968
Critical (15%)	10,195	5,163	5,562	12,882	12,373	11,551	9,012	6,196	5,365	5,344	3,919	5,689	7,771

Alternative 1A,1B,1C (LLT) minus Existing Condition

	Monthly Outflow Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	8,177	**-4,435**	**-307**	1,358	21,102	5,779	**-8,268**	**-22,875**	**-12,305**	**-792**	**-706**	**-3,936**	**-1,515**
20%	8,998	**-715**	**-3,212**	8,615	12,282	5,740	**-11,154**	**-10,827**	**-3,239**	230	**-359**	**-3,278**	163
30%	7,874	**-1,587**	**-3,080**	**-3,795**	**-1,410**	**-3,943**	**-6,937**	**-6,501**	595	254	**-437**	**-221**	**-1,061**
40%	7,409	**-1,299**	347	**-5,474**	**-2,977**	**-2,088**	**-8,429**	**-7,544**	2,224	0	**0**	**-603**	**-2,079**
50%	5,396	**-600**	1,066	**-1,132**	**-1,966**	**-2,092**	**-5,985**	**-4,766**	2,107	**-139**	0	**-606**	**-854**
60%	4,602	**-283**	1,142	1,690	**-2,718**	**-3,268**	**-3,875**	**-1,716**	1,437	0	0	**-401**	**-145**
70%	2,509	0	584	2,915	**-407**	**-1,195**	**-1,877**	**-162**	834	138	**0**	**-78**	**-368**
80%	777	0	**-22**	3,533	**-1,225**	**-70**	**-919**	180	816	0	0	0	**-49**
90%	**-337**	0	8	2,085	1,205	**-161**	105	21	1,424	700	**-478**	0	718
Long Term													
Full Simulation Period[a]	4,767	**-1,564**	**-367**	2,558	3,149	930	**-4,345**	**-5,871**	**-2,058**	**-680**	**-486**	**-1,306**	**-439**
Water Year Types[b]													
Wet (32%)	3,199	**-1,897**	**-2,245**	7,835	10,964	5,992	**-6,148**	**-13,056**	**-7,711**	**-2,255**	**-1,341**	**-5,384**	**-1,004**
Above Normal (15%)	5,696	**-2,923**	2,027	**-1,251**	3,113	677	**-7,519**	**-7,280**	**-1,176**	**-540**	175	**-595**	**-800**
Below Normal (17%)	6,010	**-1,371**	574	**-1,205**	**-1,756**	**-2,586**	**-5,214**	**-4,095**	1,684	**-763**	88	**-256**	**-741**
Dry (22%)	4,600	**-1,449**	**-250**	1,081	**-1,788**	**-2,617**	**-1,818**	21	1,209	374	**-358**	628	**-31**
Critical (15%)	6,037	118	31	1,540	**-618**	**-360**	**-41**	196	43	1,107	**-158**	2,689	882

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-7-1-3. Sacramento/San Joaquin River Delta, Monthly Outflow Rate

Existing Condition

	Monthly Outflow Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	6,715	16,643	65,896	106,566	123,159	91,606	68,957	53,731	29,717	11,010	5,650	10,109	44,440
20%	4,603	7,613	35,641	67,111	77,058	62,905	49,306	30,361	14,749	8,727	4,745	7,872	33,383
30%	4,351	6,239	20,351	47,588	62,823	46,968	29,154	21,936	10,328	8,000	4,448	4,079	27,538
40%	4,008	5,799	11,724	31,660	51,243	33,850	26,561	19,505	7,942	8,000	4,000	3,853	21,405
50%	4,000	5,100	8,176	23,462	36,121	26,533	19,193	16,166	7,270	8,000	4,000	3,606	14,765
60%	4,000	4,783	6,464	17,526	23,293	21,654	15,823	12,445	7,100	6,500	4,000	3,401	12,401
70%	4,000	4,500	5,283	12,909	17,199	16,769	12,969	10,254	6,716	5,000	4,000	3,078	10,505
80%	4,000	4,500	5,014	9,907	13,613	12,799	11,160	8,720	6,300	5,000	4,000	3,000	8,963
90%	3,817	4,500	4,500	8,652	9,542	9,714	9,643	7,100	5,187	4,300	4,000	3,000	7,328
Long Term													
Full Simulation Period[a]	4,931	9,193	22,714	43,289	52,594	43,172	30,099	22,517	12,765	7,951	4,618	5,334	21,598
Water Year Types[b]													
Wet (32%)	6,487	14,232	48,185	85,900	96,835	78,956	54,394	41,040	23,451	11,441	5,341	9,569	39,652
Above Normal (15%)	4,021	9,683	18,014	49,448	62,321	54,171	31,975	24,200	11,801	9,430	4,000	3,672	23,561
Below Normal (17%)	4,477	5,864	11,950	22,968	36,766	24,029	21,928	16,299	8,004	7,151	4,000	3,445	13,907
Dry (22%)	4,157	6,943	8,884	14,736	20,915	19,880	14,142	10,487	6,636	5,024	4,829	3,350	9,999
Critical (15%)	4,158	5,045	5,531	11,343	12,991	11,911	9,053	6,000	5,322	4,238	4,077	3,000	6,889

Alternative 2A,2B,2C (LLT)

	Monthly Outflow Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	13,206	16,661	60,913	104,813	132,174	94,884	61,335	30,879	17,594	10,607	4,985	22,500	43,663
20%	11,562	14,483	29,252	72,117	90,674	66,569	37,889	20,103	11,466	9,404	4,550	22,125	34,659
30%	10,938	12,905	16,311	41,896	58,926	39,818	23,135	16,048	10,685	8,433	4,094	19,063	27,477
40%	10,625	11,438	12,690	27,013	46,419	31,434	19,482	14,545	9,665	8,000	4,000	13,406	21,057
50%	10,313	9,421	10,564	22,301	32,819	22,431	15,397	13,273	9,131	8,000	4,000	6,801	14,020
60%	9,549	4,500	7,375	17,222	21,211	17,930	13,275	11,629	8,482	6,634	4,000	4,526	12,571
70%	8,101	4,500	5,670	14,489	18,152	14,664	11,417	10,844	7,740	5,382	4,000	3,549	10,288
80%	7,400	4,500	4,507	12,560	12,673	12,035	10,308	10,165	7,121	5,000	4,000	3,000	9,460
90%	5,721	3,600	4,500	11,120	9,919	9,750	9,760	7,128	6,592	5,000	3,725	3,000	8,386
Long Term													
Full Simulation Period[a]	9,700	10,628	21,691	44,350	54,590	43,096	26,221	17,537	10,656	7,459	4,184	10,994	21,759
Water Year Types[b]													
Wet (32%)	10,423	15,785	43,734	89,743	105,519	82,842	48,560	28,585	15,593	9,277	4,000	21,496	39,630
Above Normal (15%)	9,893	10,833	18,954	47,604	63,432	54,465	24,901	18,855	10,806	9,312	4,117	12,799	23,831
Below Normal (17%)	9,859	8,258	12,565	21,243	33,176	19,914	18,125	13,896	9,575	6,822	4,255	3,327	13,418
Dry (22%)	8,940	7,949	9,207	15,291	19,767	16,996	12,682	11,047	7,821	5,433	4,571	3,975	10,307
Critical (15%)	8,894	6,032	6,036	13,294	12,617	11,806	8,890	6,263	5,321	5,449	3,989	5,905	7,875

Alternative 2A,2B,2C (LLT) minus Existing Condition

	Monthly Outflow Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	6,491	18	-4,982	-1,753	9,015	3,279	-7,621	-22,852	-12,123	-402	-664	12,391	-777
20%	6,959	6,870	-6,389	5,006	13,616	3,664	-11,417	-10,258	-3,283	678	-195	14,253	1,276
30%	6,587	6,666	-4,040	-5,691	-3,896	-7,150	-6,019	-5,888	356	433	-354	14,983	-61
40%	6,617	5,639	966	-4,647	-4,824	-2,416	-7,079	-4,960	1,723	0	0	9,553	-348
50%	6,312	4,321	2,387	-1,161	-3,302	-4,102	-3,796	-2,893	1,861	0	0	3,195	-746
60%	5,549	-283	912	-303	-2,083	-3,724	-2,547	-816	1,382	134	0	1,125	169
70%	4,101	0	387	1,581	953	-2,105	-1,552	589	1,024	382	0	470	-217
80%	3,400	0	-507	2,653	-939	-764	-852	1,445	820	0	0	0	497
90%	1,904	-900	0	2,468	377	36	117	28	1,404	700	-275	0	1,058
Long Term													
Full Simulation Period[a]	4,769	1,435	-1,024	1,062	1,996	-76	-3,879	-4,980	-2,109	-492	-434	5,660	161
Water Year Types[b]													
Wet (32%)	3,936	1,553	-4,451	3,843	8,684	3,886	-5,834	-12,455	-7,858	-2,163	-1,341	11,927	-23
Above Normal (15%)	5,871	1,150	940	-1,844	1,111	295	-7,074	-5,345	-995	-118	117	9,127	270
Below Normal (17%)	5,383	2,394	615	-1,725	-3,590	-4,115	-3,802	-2,403	1,571	-329	255	-118	-489
Dry (22%)	4,782	1,007	323	555	-1,148	-2,884	-1,460	560	1,186	409	-257	625	308
Critical (15%)	4,736	987	505	1,951	-373	-105	-163	263	-1	1,211	-88	2,905	986

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-7-1-4. Sacramento/San Joaquin River Delta, Monthly Outflow Rate

Existing Condition

	Monthly Outflow Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	6,715	16,643	65,896	106,566	123,159	91,606	68,957	53,731	29,717	11,010	5,650	10,109	44,440
20%	4,603	7,613	35,641	67,111	77,058	62,905	49,306	30,361	14,749	8,727	4,745	7,872	33,383
30%	4,351	6,239	20,351	47,588	62,823	46,968	29,154	21,936	10,328	8,000	4,448	4,079	27,538
40%	4,008	5,799	11,724	31,660	51,243	33,850	26,561	19,505	7,942	8,000	4,000	3,853	21,405
50%	4,000	5,100	8,176	23,462	36,121	26,533	19,193	16,166	7,270	8,000	4,000	3,606	14,765
60%	4,000	4,783	6,464	17,526	23,293	21,654	15,823	12,445	7,100	6,500	4,000	3,401	12,401
70%	4,000	4,500	5,283	12,909	17,199	16,769	12,969	10,254	6,716	5,000	4,000	3,078	10,505
80%	4,000	4,500	5,014	9,907	13,613	12,799	11,160	8,720	6,300	5,000	4,000	3,000	8,963
90%	3,817	4,500	4,500	8,652	9,542	9,714	9,643	7,100	5,187	4,300	4,000	3,000	7,328
Long Term													
Full Simulation Period[a]	4,931	9,193	22,714	43,289	52,594	43,172	30,099	22,517	12,765	7,951	4,618	5,334	21,598
Water Year Types[b]													
Wet (32%)	6,487	14,232	48,185	85,900	96,835	78,956	54,394	41,040	23,451	11,441	5,341	9,569	39,652
Above Normal (15%)	4,021	9,683	18,014	49,448	62,321	54,171	31,975	24,200	11,801	9,430	4,000	3,672	23,561
Below Normal (17%)	4,477	5,864	11,950	22,968	36,766	24,029	21,928	16,299	8,004	7,151	4,000	3,445	13,907
Dry (22%)	4,157	6,943	8,884	14,736	20,915	19,880	14,142	10,487	6,636	5,024	4,829	3,350	9,999
Critical (15%)	4,158	5,045	5,531	11,343	12,991	11,911	9,053	6,000	5,322	4,238	4,077	3,000	6,889

Alternative 3 (LLT)

	Monthly Outflow Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	14,946	11,973	65,743	107,382	140,649	97,219	60,480	30,934	17,242	10,374	4,758	6,276	43,035
20%	13,032	6,902	33,058	77,509	88,289	68,898	37,980	19,848	11,453	9,391	4,252	4,914	33,680
30%	12,436	4,905	17,396	43,374	60,349	46,104	21,725	15,767	10,676	8,280	4,000	4,005	26,599
40%	11,769	4,500	12,951	26,542	50,692	32,025	17,791	12,205	9,920	8,000	4,000	3,362	19,733
50%	9,293	4,500	10,052	22,971	34,369	25,433	12,965	11,350	9,435	7,914	4,000	3,000	14,051
60%	8,138	4,500	7,951	18,898	20,948	18,066	11,660	10,905	8,408	6,500	4,000	3,000	12,173
70%	6,683	4,500	6,381	15,058	17,657	15,939	11,004	10,085	7,581	5,457	4,000	3,000	10,191
80%	4,781	4,500	5,007	13,652	12,642	12,863	10,260	9,183	7,123	5,000	4,000	3,000	9,131
90%	3,034	4,500	4,500	11,011	10,024	9,557	9,539	7,120	6,680	5,000	3,630	3,000	8,142
Long Term													
Full Simulation Period[a]	9,689	7,638	22,722	46,432	56,118	44,196	25,618	16,794	10,673	7,402	4,101	4,109	21,291
Water Year Types[b]													
Wet (32%)	9,900	12,201	46,430	94,461	107,861	84,730	48,187	28,263	15,657	9,386	4,000	4,205	38,774
Above Normal (15%)	10,282	6,899	20,297	49,621	65,321	54,844	24,101	17,230	10,597	9,017	4,136	3,263	22,967
Below Normal (17%)	9,695	4,490	13,008	21,773	35,420	21,471	16,785	12,172	9,685	6,529	4,126	3,490	13,220
Dry (22%)	8,521	5,583	9,263	16,098	20,525	17,847	12,008	10,591	7,779	5,504	4,300	3,925	10,162
Critical (15%)	10,384	5,248	5,297	13,453	12,340	11,759	8,953	6,205	5,443	5,355	3,956	5,746	7,845

Alternative 3 (LLT) minus Existing Condition

	Monthly Outflow Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	8,231	-4,670	-153	816	17,490	5,613	-8,477	-22,797	-12,475	-636	-891	-3,833	-1,405
20%	8,429	-711	-2,583	10,398	11,231	5,993	-11,326	-10,513	-3,296	665	-493	-2,958	297
30%	8,085	-1,334	-2,956	-4,213	-2,473	-864	-7,429	-6,169	348	280	-448	-74	-939
40%	7,761	-1,299	1,226	-5,119	-552	-1,824	-8,770	-7,300	1,978	0	0	-491	-1,671
50%	5,293	-600	1,876	-492	-1,752	-1,100	-6,228	-4,816	2,165	-86	0	-606	-715
60%	4,138	-283	1,487	1,372	-2,346	-3,588	-4,163	-1,540	1,308	0	0	-401	-229
70%	2,683	0	1,098	2,150	458	-829	-1,965	-170	865	457	0	-78	-315
80%	781	0	-6	3,745	-971	64	-901	463	823	0	0	0	168
90%	-783	0	0	2,359	482	-158	-105	20	1,493	700	-370	0	813
Long Term													
Full Simulation Period[a]	4,759	-1,555	7	3,144	3,524	1,024	-4,482	-5,723	-2,091	-549	-518	-1,225	-307
Water Year Types[b]													
Wet (32%)	3,414	-2,031	-1,755	8,561	11,026	5,774	-6,207	-12,777	-7,794	-2,054	-1,341	-5,364	-879
Above Normal (15%)	6,261	-2,784	2,283	173	2,999	673	-7,875	-6,970	-1,204	-413	136	-409	-594
Below Normal (17%)	5,218	-1,375	1,058	-1,195	-1,346	-2,557	-5,143	-4,127	1,681	-622	126	45	-686
Dry (22%)	4,364	-1,360	379	1,363	-390	-2,033	-2,134	103	1,144	481	-528	575	164
Critical (15%)	6,226	203	-234	2,110	-651	-153	-100	205	122	1,118	-121	2,746	956

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-7-1-5. Sacramento/San Joaquin River Delta, Monthly Outflow Rate

Existing Condition

	Monthly Outflow Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	6,715	16,643	65,896	106,566	123,159	91,606	68,957	53,731	29,717	11,010	5,650	10,109	44,440
20%	4,603	7,613	35,641	67,111	77,058	62,905	49,306	30,361	14,749	8,727	4,745	7,872	33,383
30%	4,351	6,239	20,351	47,588	62,823	46,968	29,154	21,936	10,328	8,000	4,448	4,079	27,538
40%	4,008	5,799	11,724	31,660	51,243	33,850	26,561	19,505	7,942	8,000	4,000	3,853	21,405
50%	4,000	5,100	8,176	23,462	36,121	26,533	19,193	16,166	7,270	8,000	4,000	3,606	14,765
60%	4,000	4,783	6,464	17,526	23,293	21,654	15,823	12,445	7,100	6,500	4,000	3,401	12,401
70%	4,000	4,500	5,283	12,909	17,199	16,769	12,969	10,254	6,716	5,000	4,000	3,078	10,505
80%	4,000	4,500	5,014	9,907	13,613	12,799	11,160	8,720	6,300	5,000	4,000	3,000	8,963
90%	3,817	4,500	4,500	8,652	9,542	9,714	9,643	7,100	5,187	4,300	4,000	3,000	7,328
Long Term													
Full Simulation Period[a]	4,931	9,193	22,714	43,289	52,594	43,172	30,099	22,517	12,765	7,951	4,618	5,334	21,598
Water Year Types[b]													
Wet (32%)	6,487	14,232	48,185	85,900	96,835	78,956	54,394	41,040	23,451	11,441	5,341	9,569	39,652
Above Normal (15%)	4,021	9,683	18,014	49,448	62,321	54,171	31,975	24,200	11,801	9,430	4,000	3,672	23,561
Below Normal (17%)	4,477	5,864	11,950	22,968	36,766	24,029	21,928	16,299	8,004	7,151	4,000	3,445	13,907
Dry (22%)	4,157	6,943	8,884	14,736	20,915	19,880	14,142	10,487	6,636	5,024	4,829	3,350	9,999
Critical (15%)	4,158	5,045	5,531	11,343	12,991	11,911	9,053	6,000	5,322	4,238	4,077	3,000	6,889

Alternative 4 H1 (LLT)

	Monthly Outflow Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	13,170	15,069	64,200	108,247	141,441	94,117	60,176	32,922	19,709	11,004	5,108	6,700	42,559
20%	11,439	5,352	33,872	77,659	89,493	69,467	38,001	21,027	11,462	9,405	4,624	5,131	34,016
30%	10,018	4,604	16,811	43,021	61,818	44,053	23,425	16,800	10,963	8,635	4,252	4,098	27,077
40%	8,928	4,500	14,055	29,754	48,994	32,607	19,429	14,685	9,833	8,000	4,000	3,475	20,212
50%	8,333	4,500	10,530	22,979	33,373	24,332	15,829	13,270	9,290	7,974	4,000	3,000	14,185
60%	7,898	4,500	8,343	19,832	21,376	18,132	13,549	11,908	8,499	6,587	4,000	3,000	12,741
70%	7,582	4,500	7,436	15,388	18,161	15,579	11,537	10,930	7,574	5,349	4,000	3,000	10,286
80%	7,092	4,500	5,713	12,602	12,907	12,060	10,415	10,167	7,240	5,000	4,000	3,000	9,246
90%	5,723	3,572	4,500	10,875	9,996	9,707	9,758	7,122	6,538	5,000	3,662	3,000	8,095
Long Term													
Full Simulation Period[a]	9,029	7,672	23,196	46,481	55,905	43,949	26,575	17,796	10,817	7,538	4,245	4,141	21,445
Water Year Types[b]													
Wet (32%)	9,519	12,651	46,927	94,197	107,182	83,959	49,209	29,306	15,779	9,497	4,000	4,246	38,873
Above Normal (15%)	9,189	7,298	19,935	50,632	65,940	56,524	25,334	19,292	10,996	9,673	4,143	3,279	23,520
Below Normal (17%)	9,393	4,588	13,154	22,233	35,174	20,300	18,543	13,706	9,885	6,619	4,429	3,289	13,443
Dry (22%)	8,223	5,347	9,800	15,634	20,148	17,546	12,706	11,003	7,896	5,574	4,566	4,263	10,225
Critical (15%)	8,594	4,346	6,848	13,503	12,593	11,883	8,949	6,323	5,356	5,177	4,182	5,585	7,778

Alternative 4 H1 (LLT) minus Existing Condition

	Monthly Outflow Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	6,455	**-1,574**	**-1,695**	1,681	18,282	2,511	**-8,781**	**-20,809**	**-10,008**	**-5**	**-542**	**-3,408**	**-1,881**
20%	6,836	**-2,261**	**-1,769**	10,548	12,435	6,563	**-11,305**	**-9,334**	**-3,286**	678	**-121**	**-2,741**	633
30%	5,668	**-1,635**	**-3,540**	**-4,567**	**-1,004**	**-2,916**	**-5,729**	**-5,136**	634	635	**-196**	18	**-461**
40%	4,920	**-1,299**	2,331	**-1,906**	**-2,249**	**-1,243**	**-7,132**	**-4,820**	1,891	0	**0**	**-378**	**-1,192**
50%	4,333	**-600**	2,353	**-483**	**-2,748**	**-2,201**	**-3,364**	**-2,896**	2,019	**-26**	0	**-606**	**-580**
60%	3,898	**-283**	1,879	2,307	**-1,917**	**-3,522**	**-2,273**	**-536**	1,399	87	**0**	**-401**	340
70%	3,582	0	2,153	2,480	961	**-1,190**	**-1,432**	676	858	349	**0**	**-78**	**-219**
80%	3,092	0	699	2,696	**-705**	**-740**	**-746**	1,448	939	0	0	0	283
90%	1,906	**-928**	0	2,223	454	**-7**	115	22	1,350	700	**-338**	0	767
Long Term													
Full Simulation Period[a]	4,099	**-1,521**	482	3,192	3,312	778	**-3,524**	**-4,721**	**-1,948**	**-413**	**-373**	**-1,193**	**-153**
Water Year Types[b]													
Wet (32%)	3,032	**-1,581**	**-1,258**	8,297	10,347	5,003	**-5,185**	**-11,733**	**-7,672**	**-1,943**	**-1,341**	**-5,323**	**-780**
Above Normal (15%)	5,167	**-2,386**	1,921	1,185	3,618	2,353	**-6,641**	**-4,908**	**-805**	242	143	**-393**	**-42**
Below Normal (17%)	4,916	**-1,276**	1,204	**-736**	**-1,593**	**-3,728**	**-3,385**	**-2,593**	1,881	**-532**	429	**-156**	**-464**
Dry (22%)	4,065	**-1,596**	916	898	**-767**	**-2,335**	**-1,435**	515	1,261	550	**-263**	913	227
Critical (15%)	4,436	**-699**	1,317	2,160	**-398**	**-28**	**-104**	324	34	940	105	2,585	889

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-7-1-6. Sacramento/San Joaquin River Delta, Monthly Outflow Rate

Existing Condition

	Monthly Outflow Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	6,715	16,643	65,896	106,566	123,159	91,606	68,957	53,731	29,717	11,010	5,650	10,109	44,440
20%	4,603	7,613	35,641	67,111	77,058	62,905	49,306	30,361	14,749	8,727	4,745	7,872	33,383
30%	4,351	6,239	20,351	47,588	62,823	46,968	29,154	21,936	10,328	8,000	4,448	4,079	27,538
40%	4,008	5,799	11,724	31,660	51,243	33,850	26,561	19,505	7,942	8,000	4,000	3,853	21,405
50%	4,000	5,100	8,176	23,462	36,121	26,533	19,193	16,166	7,270	8,000	4,000	3,606	14,765
60%	4,000	4,783	6,464	17,526	23,293	21,654	15,823	12,445	7,100	6,500	4,000	3,401	12,401
70%	4,000	4,500	5,283	12,909	17,199	16,769	12,969	10,254	6,716	5,000	4,000	3,078	10,505
80%	4,000	4,500	5,014	9,907	13,613	12,799	11,160	8,720	6,300	5,000	4,000	3,000	8,963
90%	3,817	4,500	4,500	8,652	9,542	9,714	9,643	7,100	5,187	4,300	4,000	3,000	7,328
Long Term													
Full Simulation Period[a]	4,931	9,193	22,714	43,289	52,594	43,172	30,099	22,517	12,765	7,951	4,618	5,334	21,598
Water Year Types[b]													
Wet (32%)	6,487	14,232	48,185	85,900	96,835	78,956	54,394	41,040	23,451	11,441	5,341	9,569	39,652
Above Normal (15%)	4,021	9,683	18,014	49,448	62,321	54,171	31,975	24,200	11,801	9,430	4,000	3,672	23,561
Below Normal (17%)	4,477	5,864	11,950	22,968	36,766	24,029	21,928	16,299	8,004	7,151	4,000	3,445	13,907
Dry (22%)	4,157	6,943	8,884	14,736	20,915	19,880	14,142	10,487	6,636	5,024	4,829	3,350	9,999
Critical (15%)	4,158	5,045	5,531	11,343	12,991	11,911	9,053	6,000	5,322	4,238	4,077	3,000	6,889

Alternative 4 H2 (LLT)

	Monthly Outflow Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	12,827	15,108	59,827	115,569	139,010	95,283	61,730	43,497	19,527	10,669	5,161	7,093	44,146
20%	11,661	5,489	33,654	71,350	90,338	69,560	43,533	25,040	11,387	9,103	4,389	5,592	36,685
30%	9,432	4,771	17,363	47,210	65,082	44,620	34,043	21,050	10,780	8,022	4,052	4,389	28,011
40%	8,710	4,500	13,779	33,037	49,000	34,808	28,803	18,266	9,615	8,000	4,000	3,934	21,647
50%	8,190	4,500	10,431	23,396	33,324	27,584	24,839	15,151	9,014	8,000	4,000	3,366	16,020
60%	7,967	4,500	7,812	19,523	21,266	22,899	17,607	12,782	8,100	6,596	4,000	3,124	12,773
70%	7,701	4,500	6,427	15,461	18,392	18,669	12,583	10,948	7,392	5,184	4,000	3,000	10,495
80%	7,066	4,500	4,564	14,091	12,737	13,272	10,218	9,989	7,189	5,000	4,000	3,000	9,381
90%	5,565	3,515	4,500	10,923	9,964	10,388	9,715	7,283	6,545	5,000	3,520	3,000	8,067
Long Term													
Full Simulation Period[a]	8,974	7,788	23,368	46,632	56,212	45,967	30,583	19,790	10,637	7,340	4,217	4,438	22,162
Water Year Types[b]													
Wet (32%)	9,395	12,703	48,571	93,786	107,175	86,298	54,424	33,100	15,553	9,171	4,000	4,352	39,877
Above Normal (15%)	9,344	7,476	18,497	50,566	66,792	57,210	32,552	22,440	10,443	8,823	4,011	3,559	24,309
Below Normal (17%)	8,609	5,062	12,843	22,911	36,240	24,750	24,720	15,504	9,925	6,467	4,357	4,026	14,618
Dry (22%)	8,247	5,414	9,520	16,406	20,164	19,292	13,817	11,038	7,756	5,726	4,734	4,389	10,542
Critical (15%)	9,207	4,189	6,685	13,543	12,586	12,104	8,950	6,428	5,335	5,329	3,954	6,061	7,864

Alternative 4 H2 (LLT) minus Existing Condition

	Monthly Outflow Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	6,111	**-1,535**	**-6,069**	9,003	15,851	3,677	**-7,226**	**-10,234**	**-10,189**	**-341**	**-488**	**-3,016**	**-294**
20%	7,058	**-2,124**	**-1,988**	4,239	13,280	6,655	**-5,774**	**-5,321**	**-3,361**	377	**-356**	**-2,280**	3,303
30%	5,082	**-1,468**	**-2,988**	**-378**	2,259	**-2,348**	4,889	**-886**	452	22	**-396**	310	473
40%	4,702	**-1,299**	2,055	1,377	**-2,244**	958	2,242	**-1,239**	1,673	0	**0**	81	242
50%	4,190	**-600**	2,255	**-67**	**-2,798**	1,051	5,647	**-1,015**	1,744	0	0	**-240**	1,255
60%	3,967	**-283**	1,348	1,998	**-2,027**	1,245	1,784	337	1,000	96	**0**	**-278**	372
70%	3,701	0	1,144	2,552	1,192	1,900	**-386**	694	675	184	**0**	**-78**	**-11**
80%	3,066	0	**-450**	4,184	**-876**	473	**-942**	1,270	889	0	0	0	418
90%	1,748	**-985**	0	2,271	422	674	71	183	1,357	700	**-480**	0	739
Long Term													
Full Simulation Period[a]	4,043	**-1,406**	654	3,343	3,619	2,795	484	**-2,727**	**-2,127**	**-612**	**-401**	**-896**	564
Water Year Types[b]													
Wet (32%)	2,908	**-1,529**	386	7,887	10,340	7,342	30	**-7,940**	**-7,898**	**-2,270**	**-1,341**	**-5,217**	225
Above Normal (15%)	5,323	**-2,207**	483	1,119	4,471	3,039	577	**-1,760**	**-1,358**	**-608**	11	**-113**	748
Below Normal (17%)	4,133	**-803**	893	**-57**	**-526**	722	2,792	**-795**	1,921	**-684**	357	580	711
Dry (22%)	4,090	**-1,529**	636	1,671	**-751**	**-588**	**-325**	550	1,120	703	**-94**	1,039	543
Critical (15%)	5,049	**-855**	1,154	2,200	**-405**	193	**-104**	428	13	1,091	**-123**	3,061	975

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-7-1-7. Sacramento/San Joaquin River Delta, Monthly Outflow Rate

Existing Condition

	Monthly Outflow Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	6,715	16,643	65,896	106,566	123,159	91,606	68,957	53,731	29,717	11,010	5,650	10,109	44,440
20%	4,603	7,613	35,641	67,111	77,058	62,905	49,306	30,361	14,749	8,727	4,745	7,872	33,383
30%	4,351	6,239	20,351	47,588	62,823	46,968	29,154	21,936	10,328	8,000	4,448	4,079	27,538
40%	4,008	5,799	11,724	31,660	51,243	33,850	26,561	19,505	7,942	8,000	4,000	3,853	21,405
50%	4,000	5,100	8,176	23,462	36,121	26,533	19,193	16,166	7,270	8,000	4,000	3,606	14,765
60%	4,000	4,783	6,464	17,526	23,293	21,654	15,823	12,445	7,100	6,500	4,000	3,401	12,401
70%	4,000	4,500	5,283	12,909	17,199	16,769	12,969	10,254	6,716	5,000	4,000	3,078	10,505
80%	4,000	4,500	5,014	9,907	13,613	12,799	11,160	8,720	6,300	5,000	4,000	3,000	8,963
90%	3,817	4,500	4,500	8,652	9,542	9,714	9,643	7,100	5,187	4,300	4,000	3,000	7,328
Long Term													
Full Simulation Period[a]	4,931	9,193	22,714	43,289	52,594	43,172	30,099	22,517	12,765	7,951	4,618	5,334	21,598
Water Year Types[b]													
Wet (32%)	6,487	14,232	48,185	85,900	96,835	78,956	54,394	41,040	23,451	11,441	5,341	9,569	39,652
Above Normal (15%)	4,021	9,683	18,014	49,448	62,321	54,171	31,975	24,200	11,801	9,430	4,000	3,672	23,561
Below Normal (17%)	4,477	5,864	11,950	22,968	36,766	24,029	21,928	16,299	8,004	7,151	4,000	3,445	13,907
Dry (22%)	4,157	6,943	8,884	14,736	20,915	19,880	14,142	10,487	6,636	5,024	4,829	3,350	9,999
Critical (15%)	4,158	5,045	5,531	11,343	12,991	11,911	9,053	6,000	5,322	4,238	4,077	3,000	6,889

Alternative 4 H3 (LLT)

	Monthly Outflow Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	12,773	16,844	60,010	103,246	134,414	94,765	60,789	32,920	19,706	11,192	5,024	22,500	43,688
20%	11,220	14,514	30,270	73,944	91,327	67,586	37,925	21,025	11,327	9,547	4,560	21,875	34,554
30%	10,752	12,905	16,605	42,626	60,788	41,393	23,405	16,868	10,960	8,674	4,230	18,859	27,698
40%	10,465	11,438	12,945	27,476	48,669	32,545	19,480	14,599	9,748	8,000	4,000	13,344	22,132
50%	10,117	10,162	10,807	22,789	33,380	22,492	15,716	13,243	9,125	8,000	4,000	6,738	14,390
60%	8,641	4,500	7,585	16,938	21,307	17,826	13,292	11,850	8,445	6,690	4,000	4,537	12,697
70%	7,600	4,500	5,624	14,128	18,237	15,095	11,417	10,908	7,600	5,571	4,000	4,002	10,350
80%	7,179	4,500	4,504	12,809	12,703	13,266	10,288	10,041	7,159	5,000	4,000	3,000	9,532
90%	5,873	3,500	4,500	10,991	9,923	9,772	9,766	7,123	6,679	5,000	3,595	3,000	8,396
Long Term													
Full Simulation Period[a]	9,510	10,728	21,867	44,827	55,165	43,308	26,460	17,821	10,751	7,616	4,218	10,995	21,939
Water Year Types[b]													
Wet (32%)	10,426	16,170	44,012	90,641	106,277	82,968	48,976	29,273	15,740	9,598	4,000	21,394	39,956
Above Normal (15%)	9,706	11,000	19,129	48,151	64,056	55,231	25,403	19,367	11,054	9,670	4,152	12,634	24,129
Below Normal (17%)	10,040	8,264	12,206	21,625	34,067	19,621	18,412	13,853	9,653	6,872	4,449	3,365	13,536
Dry (22%)	8,387	7,912	9,510	15,382	20,243	17,463	12,615	11,035	7,816	5,494	4,556	4,201	10,384
Critical (15%)	8,393	5,764	6,430	13,475	12,528	11,862	8,887	6,271	5,320	5,319	3,983	5,916	7,846

Alternative 4 H3 (LLT) minus Existing Condition

	Monthly Outflow Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	6,057	201	**-5,886**	**-3,320**	11,255	3,159	**-8,168**	**-20,811**	**-10,010**	183	**-626**	12,391	**-752**
20%	6,617	6,901	**-5,371**	6,833	14,269	4,681	**-11,382**	**-9,336**	**-3,422**	821	**-185**	14,003	1,171
30%	6,402	6,666	**-3,746**	**-4,961**	**-2,035**	**-5,576**	**-5,749**	**-5,068**	631	674	**-218**	14,780	160
40%	6,456	5,639	1,221	**-4,184**	**-2,574**	**-1,305**	**-7,081**	**-4,906**	1,806	0	**0**	9,491	728
50%	6,117	5,063	2,631	**-674**	**-2,741**	**-4,041**	**-3,477**	**-2,922**	1,855	0	0	3,132	**-376**
60%	4,641	**-283**	1,121	**-588**	**-1,986**	**-3,828**	**-2,531**	**-595**	1,345	190	0	1,136	296
70%	3,600	0	341	1,219	1,037	**-1,674**	**-1,552**	654	883	571	**0**	923	**-155**
80%	3,179	0	**-509**	2,902	**-909**	467	**-872**	1,321	858	0	0	0	569
90%	2,056	**-1,000**	0	2,339	380	58	123	23	1,492	700	**-405**	0	1,068
Long Term													
Full Simulation Period[a]	4,579	1,535	**-847**	1,538	2,571	137	**-3,639**	**-4,696**	**-2,014**	**-335**	**-400**	5,661	341
Water Year Types[b]													
Wet (32%)	3,939	1,937	**-4,172**	4,741	9,441	4,012	**-5,418**	**-11,767**	**-7,710**	**-1,842**	**-1,341**	11,825	304
Above Normal (15%)	5,685	1,317	1,115	**-1,297**	1,735	1,060	**-6,572**	**-4,833**	**-747**	240	152	8,962	568
Below Normal (17%)	5,563	2,400	255	**-1,343**	**-2,699**	**-4,408**	**-3,516**	**-2,446**	1,649	**-279**	449	**-80**	**-371**
Dry (22%)	4,230	970	626	646	**-673**	**-2,418**	**-1,527**	547	1,181	471	**-273**	851	386
Critical (15%)	4,235	719	899	2,132	**-463**	**-49**	**-166**	271	**-2**	1,081	**-95**	2,916	957

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-7-1-8. Sacramento/San Joaquin River Delta, Monthly Outflow Rate

Existing Condition

	Monthly Outflow Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	6,715	16,643	65,896	106,566	123,159	91,606	68,957	53,731	29,717	11,010	5,650	10,109	44,440
20%	4,603	7,613	35,641	67,111	77,058	62,905	49,306	30,361	14,749	8,727	4,745	7,872	33,383
30%	4,351	6,239	20,351	47,588	62,823	46,968	29,154	21,936	10,328	8,000	4,448	4,079	27,538
40%	4,008	5,799	11,724	31,660	51,243	33,850	26,561	19,505	7,942	8,000	4,000	3,853	21,405
50%	4,000	5,100	8,176	23,462	36,121	26,533	19,193	16,166	7,270	8,000	4,000	3,606	14,765
60%	4,000	4,783	6,464	17,526	23,293	21,654	15,823	12,445	7,100	6,500	4,000	3,401	12,401
70%	4,000	4,500	5,283	12,909	17,199	16,769	12,969	10,254	6,716	5,000	4,000	3,078	10,505
80%	4,000	4,500	5,014	9,907	13,613	12,799	11,160	8,720	6,300	5,000	4,000	3,000	8,963
90%	3,817	4,500	4,500	8,652	9,542	9,714	9,643	7,100	5,187	4,300	4,000	3,000	7,328
Long Term													
Full Simulation Period[a]	4,931	9,193	22,714	43,289	52,594	43,172	30,099	22,517	12,765	7,951	4,618	5,334	21,598
Water Year Types[b]													
Wet (32%)	6,487	14,232	48,185	85,900	96,835	78,956	54,394	41,040	23,451	11,441	5,341	9,569	39,652
Above Normal (15%)	4,021	9,683	18,014	49,448	62,321	54,171	31,975	24,200	11,801	9,430	4,000	3,672	23,561
Below Normal (17%)	4,477	5,864	11,950	22,968	36,766	24,029	21,928	16,299	8,004	7,151	4,000	3,445	13,907
Dry (22%)	4,157	6,943	8,884	14,736	20,915	19,880	14,142	10,487	6,636	5,024	4,829	3,350	9,999
Critical (15%)	4,158	5,045	5,531	11,343	12,991	11,911	9,053	6,000	5,322	4,238	4,077	3,000	6,889

Alternative 4 H4 (LLT)

	Monthly Outflow Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	12,865	16,844	61,802	112,513	138,514	95,288	62,100	43,493	19,567	10,693	5,274	22,344	45,435
20%	11,252	14,514	30,734	70,284	90,153	68,967	43,538	25,033	11,416	9,839	4,450	21,875	37,277
30%	10,625	12,905	17,126	42,693	62,970	45,237	33,858	21,163	10,934	8,065	4,023	19,000	28,218
40%	10,437	11,563	13,438	27,655	50,743	33,903	29,069	17,914	9,717	8,000	4,000	13,125	22,907
50%	10,039	9,942	10,077	22,103	33,431	26,595	24,759	15,089	8,805	8,000	4,000	7,414	15,877
60%	8,609	4,556	7,622	15,940	21,103	22,602	17,619	12,537	7,817	6,500	4,000	5,558	13,112
70%	7,643	4,500	4,877	14,058	18,311	17,734	11,959	11,015	7,319	5,394	4,000	4,114	10,422
80%	6,777	4,500	4,507	12,664	12,833	13,272	10,331	9,977	7,177	5,000	4,000	3,197	9,669
90%	5,563	3,864	4,500	9,839	9,964	10,244	9,907	7,283	6,443	5,000	3,716	3,000	8,530
Long Term													
Full Simulation Period[a]	9,406	10,834	21,953	45,034	55,360	45,354	30,470	19,738	10,602	7,497	4,227	11,237	22,643
Water Year Types[b]													
Wet (32%)	10,486	15,936	44,930	91,842	105,863	85,415	54,124	33,155	15,400	9,458	4,000	21,406	41,001
Above Normal (15%)	10,114	11,214	18,426	48,071	64,680	56,124	32,730	22,438	10,508	9,138	4,000	12,895	25,028
Below Normal (17%)	9,244	8,673	11,990	22,124	35,059	23,915	24,384	15,221	9,927	6,748	4,363	3,717	14,614
Dry (22%)	8,199	8,097	9,506	15,064	20,350	19,249	13,822	10,955	7,772	5,608	4,729	4,651	10,667
Critical (15%)	8,359	6,031	5,989	12,262	12,818	11,957	9,029	6,414	5,333	5,313	4,034	6,200	7,812

Alternative 4 H4 (LLT) minus Existing Condition

	Monthly Outflow Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	6,150	201	-4,094	5,947	15,355	3,682	-6,857	-10,238	-10,149	-317	-376	12,235	994
20%	6,649	6,901	-4,908	3,173	13,095	6,063	-5,768	-5,328	-3,333	1,113	-295	14,003	3,895
30%	6,274	6,666	-3,225	-4,894	147	-1,732	4,704	-773	606	65	-424	14,921	680
40%	6,428	5,764	1,714	-4,005	-500	53	2,508	-1,591	1,776	0	0	9,272	1,502
50%	6,039	4,843	1,900	-1,359	-2,690	62	5,566	-1,077	1,535	0	0	3,808	1,112
60%	4,609	-226	1,159	-1,586	-2,190	948	1,796	93	717	0	0	2,157	711
70%	3,643	0	-406	1,150	1,111	965	-1,010	761	602	394	0	1,035	-83
80%	2,777	0	-507	2,757	-780	473	-829	1,257	876	0	0	197	706
90%	1,746	-636	0	1,187	422	530	263	183	1,256	700	-284	0	1,202
Long Term													
Full Simulation Period[a]	4,476	1,641	-762	1,745	2,767	2,182	371	-2,779	-2,162	-455	-391	5,903	1,045
Water Year Types[b]													
Wet (32%)	3,999	1,704	-3,255	5,942	9,028	6,459	-270	-7,885	-8,051	-1,983	-1,341	11,837	1,349
Above Normal (15%)	6,092	1,530	412	-1,377	2,358	1,953	754	-1,762	-1,293	-292	0	9,223	1,467
Below Normal (17%)	4,767	2,808	40	-844	-1,708	-114	2,457	-1,078	1,923	-403	363	272	707
Dry (22%)	4,042	1,154	622	329	-565	-632	-319	468	1,136	585	-99	1,301	668
Critical (15%)	4,201	986	458	920	-173	45	-24	414	11	1,076	-43	3,200	923

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-7-1-9. Sacramento/San Joaquin River Delta, Monthly Outflow Rate

Existing Condition

	Monthly Outflow Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	6,715	16,643	65,896	106,566	123,159	91,606	68,957	53,731	29,717	11,010	5,650	10,109	44,440
20%	4,603	7,613	35,641	67,111	77,058	62,905	49,306	30,361	14,749	8,727	4,745	7,872	33,383
30%	4,351	6,239	20,351	47,588	62,823	46,968	29,154	21,936	10,328	8,000	4,448	4,079	27,538
40%	4,008	5,799	11,724	31,660	51,243	33,850	26,561	19,505	7,942	8,000	4,000	3,853	21,405
50%	4,000	5,100	8,176	23,462	36,121	26,533	19,193	16,166	7,270	8,000	4,000	3,606	14,765
60%	4,000	4,783	6,464	17,526	23,293	21,654	15,823	12,445	7,100	6,500	4,000	3,401	12,401
70%	4,000	4,500	5,283	12,909	17,199	16,769	12,969	10,254	6,716	5,000	4,000	3,078	10,505
80%	4,000	4,500	5,014	9,907	13,613	12,799	11,160	8,720	6,300	5,000	4,000	3,000	8,963
90%	3,817	4,500	4,500	8,652	9,542	9,714	9,643	7,100	5,187	4,300	4,000	3,000	7,328
Long Term													
Full Simulation Period[a]	4,931	9,193	22,714	43,289	52,594	43,172	30,099	22,517	12,765	7,951	4,618	5,334	21,598
Water Year Types[b]													
Wet (32%)	6,487	14,232	48,185	85,900	96,835	78,956	54,394	41,040	23,451	11,441	5,341	9,569	39,652
Above Normal (15%)	4,021	9,683	18,014	49,448	62,321	54,171	31,975	24,200	11,801	9,430	4,000	3,672	23,561
Below Normal (17%)	4,477	5,864	11,950	22,968	36,766	24,029	21,928	16,299	8,004	7,151	4,000	3,445	13,907
Dry (22%)	4,157	6,943	8,884	14,736	20,915	19,880	14,142	10,487	6,636	5,024	4,829	3,350	9,999
Critical (15%)	4,158	5,045	5,531	11,343	12,991	11,911	9,053	6,000	5,322	4,238	4,077	3,000	6,889

Alternative 5 (LLT)

	Monthly Outflow Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	11,955	16,563	62,552	107,024	139,372	91,131	65,294	36,763	18,683	11,944	4,667	22,188	44,901
20%	11,381	14,278	28,712	77,296	91,353	68,646	41,395	22,675	11,388	10,459	4,364	21,844	34,533
30%	10,639	12,870	16,181	45,244	61,782	46,778	26,417	17,318	10,334	9,692	4,213	18,531	28,428
40%	10,608	11,732	12,139	26,978	50,516	31,996	21,654	13,861	9,539	8,189	4,065	13,281	22,527
50%	10,156	11,250	8,430	20,828	35,469	22,799	16,473	13,028	8,688	8,000	4,000	6,407	14,503
60%	9,624	5,159	5,886	17,420	21,226	17,605	13,699	11,443	8,281	7,301	4,000	5,148	12,738
70%	7,188	4,500	4,813	14,227	17,990	16,164	11,663	10,589	7,508	6,145	4,000	3,789	10,193
80%	6,563	4,500	4,500	12,200	12,875	12,125	10,249	9,688	7,182	5,020	4,000	3,208	9,169
90%	3,969	4,500	4,500	9,193	10,005	9,730	9,769	7,114	7,100	5,000	3,667	3,000	8,299
Long Term													
Full Simulation Period[a]	9,215	10,903	21,239	45,329	55,703	43,787	28,055	18,311	10,459	8,014	4,172	10,886	22,173
Water Year Types[b]													
Wet (32%)	9,497	16,183	44,095	92,918	106,883	82,780	51,869	30,921	15,255	10,126	4,083	21,214	40,485
Above Normal (15%)	9,662	10,711	18,315	48,498	65,157	56,211	28,304	20,477	10,452	9,951	4,107	12,809	24,555
Below Normal (17%)	10,743	8,337	11,411	21,633	34,621	20,387	19,390	13,223	9,354	7,272	4,576	3,513	13,705
Dry (22%)	7,940	8,615	8,014	14,337	20,803	18,580	12,737	10,742	7,785	5,888	4,230	3,885	10,296
Critical (15%)	8,289	6,083	5,944	13,186	12,302	11,991	9,293	6,113	5,373	5,552	3,871	5,691	7,807

Alternative 5 (LLT) minus Existing Condition

	Monthly Outflow Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	5,240	-81	-3,344	458	16,213	-475	-3,662	-16,968	-11,033	935	-982	12,079	460
20%	6,778	6,665	-6,930	10,185	14,295	5,741	-7,912	-7,686	-3,361	1,733	-381	13,972	1,151
30%	6,289	6,631	-4,171	-2,344	-1,041	-190	-2,737	-4,618	6	1,692	-235	14,452	890
40%	6,600	5,933	414	-4,682	-728	-1,854	-4,907	-5,644	1,597	189	65	9,428	1,122
50%	6,156	6,150	254	-2,634	-652	-3,733	-2,720	-3,137	1,418	0	0	2,801	-262
60%	5,624	376	-577	-106	-2,067	-4,048	-2,124	-1,001	1,181	801	0	1,746	337
70%	3,188	0	-471	1,319	791	-605	-1,306	335	791	1,145	0	711	-312
80%	2,563	0	-514	2,293	-737	-675	-912	968	882	20	0	208	206
90%	152	0	0	541	463	16	126	14	1,913	700	-333	0	971
Long Term													
Full Simulation Period[a]	4,285	1,710	-1,476	2,041	3,109	615	-2,044	-4,206	-2,306	62	-446	5,552	575
Water Year Types[b]													
Wet (32%)	3,010	1,951	-4,090	7,018	10,048	3,824	-2,525	-10,118	-8,196	-1,315	-1,257	11,645	833
Above Normal (15%)	5,641	1,028	301	-949	2,836	2,040	-3,671	-3,722	-1,349	521	107	9,137	993
Below Normal (17%)	6,266	2,472	-539	-1,335	-2,145	-3,642	-2,538	-3,076	1,350	122	576	68	-202
Dry (22%)	3,783	1,672	-871	-398	-112	-1,301	-1,405	255	1,149	864	-599	535	298
Critical (15%)	4,131	1,039	413	1,843	-689	80	239	114	51	1,314	-206	2,691	918

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-7-1-10. Sacramento/San Joaquin River Delta, Monthly Outflow Rate

Existing Condition

	Monthly Outflow Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	6,715	16,643	65,896	106,566	123,159	91,606	68,957	53,731	29,717	11,010	5,650	10,109	44,440
20%	4,603	7,613	35,641	67,111	77,058	62,905	49,306	30,361	14,749	8,727	4,745	7,872	33,383
30%	4,351	6,239	20,351	47,588	62,823	46,968	29,154	21,936	10,328	8,000	4,448	4,079	27,538
40%	4,008	5,799	11,724	31,660	51,243	33,850	26,561	19,505	7,942	8,000	4,000	3,853	21,405
50%	4,000	5,100	8,176	23,462	36,121	26,533	19,193	16,166	7,270	8,000	4,000	3,606	14,765
60%	4,000	4,783	6,464	17,526	23,293	21,654	15,823	12,445	7,100	6,500	4,000	3,401	12,401
70%	4,000	4,500	5,283	12,909	17,199	16,769	12,969	10,254	6,716	5,000	4,000	3,078	10,505
80%	4,000	4,500	5,014	9,907	13,613	12,799	11,160	8,720	6,300	5,000	4,000	3,000	8,963
90%	3,817	4,500	4,500	8,652	9,542	9,714	9,643	7,100	5,187	4,300	4,000	3,000	7,328
Long Term													
Full Simulation Period[a]	4,931	9,193	22,714	43,289	52,594	43,172	30,099	22,517	12,765	7,951	4,618	5,334	21,598
Water Year Types[b]													
Wet (32%)	6,487	14,232	48,185	85,900	96,835	78,956	54,394	41,040	23,451	11,441	5,341	9,569	39,652
Above Normal (15%)	4,021	9,683	18,014	49,448	62,321	54,171	31,975	24,200	11,801	9,430	4,000	3,672	23,561
Below Normal (17%)	4,477	5,864	11,950	22,968	36,766	24,029	21,928	16,299	8,004	7,151	4,000	3,445	13,907
Dry (22%)	4,157	6,943	8,884	14,736	20,915	19,880	14,142	10,487	6,636	5,024	4,829	3,350	9,999
Critical (15%)	4,158	5,045	5,531	11,343	12,991	11,911	9,053	6,000	5,322	4,238	4,077	3,000	6,889

Alternative 6A,6B,6C (LLT)

	Monthly Outflow Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	12,031	16,391	67,882	110,802	137,025	93,282	60,394	32,236	18,583	10,986	8,156	19,047	44,563
20%	11,710	14,680	38,527	74,544	86,416	68,552	38,112	20,727	11,579	10,040	7,503	18,250	35,459
30%	11,250	13,091	24,449	42,909	63,225	43,846	24,863	17,129	11,201	8,563	7,168	14,141	28,895
40%	9,353	11,446	19,570	30,019	48,064	32,113	20,312	15,209	9,940	8,000	6,909	10,625	22,939
50%	8,910	10,438	16,560	25,619	35,712	25,662	17,200	13,396	9,266	6,500	6,725	8,238	16,394
60%	8,485	9,470	14,941	21,764	24,839	20,583	14,841	11,958	8,569	6,094	6,435	7,758	14,391
70%	8,330	9,125	12,527	17,393	20,215	18,618	12,203	10,721	7,288	5,390	6,271	7,472	12,599
80%	7,882	8,790	10,557	15,190	18,362	15,916	11,203	9,560	7,101	5,027	6,121	7,342	11,615
90%	6,695	8,082	9,416	13,564	13,825	11,961	10,250	7,408	6,795	4,961	5,972	6,984	10,230
Long Term													
Full Simulation Period[a]	9,572	13,287	28,371	48,176	56,687	44,876	26,832	17,816	10,901	7,540	6,885	11,246	23,516
Water Year Types[b]													
Wet (32%)	11,074	18,182	51,686	94,769	104,601	83,139	48,717	29,229	15,955	10,646	7,832	17,912	41,145
Above Normal (15%)	8,845	13,690	25,345	51,251	64,997	55,557	25,657	19,228	10,916	8,256	7,063	11,296	25,175
Below Normal (17%)	9,725	11,016	18,894	25,038	37,249	23,090	19,096	13,955	9,954	6,206	6,607	7,953	15,732
Dry (22%)	8,812	10,576	15,734	18,876	23,616	20,583	13,573	10,822	7,695	5,376	6,286	7,570	12,460
Critical (15%)	8,006	8,995	10,890	15,092	16,845	13,148	9,507	6,672	5,846	4,898	5,876	6,108	9,324

Alternative 6A,6B,6C (LLT) minus Existing Condition

	Monthly Outflow Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	5,316	-252	1,986	4,236	13,866	1,676	-8,563	-21,495	-11,134	-24	2,507	8,938	122
20%	7,107	7,067	2,886	7,433	9,358	5,647	-11,194	-9,634	-3,169	1,314	2,758	10,378	2,077
30%	6,899	6,852	4,098	-4,678	403	-3,122	-4,291	-4,807	872	563	2,721	10,061	1,357
40%	5,344	5,647	7,846	-1,642	-3,180	-1,737	-6,249	-4,296	1,998	0	2,909	6,772	1,535
50%	4,910	5,338	8,384	2,157	-409	-871	-1,992	-2,770	1,996	-1,500	2,725	4,632	1,629
60%	4,485	4,687	8,478	4,238	1,546	-1,071	-981	-486	1,469	-406	2,435	4,357	1,990
70%	4,330	4,625	7,244	4,485	3,015	1,850	-766	466	571	390	2,271	4,393	2,094
80%	3,882	4,290	5,544	5,283	4,749	3,117	42	840	801	27	2,121	4,342	2,652
90%	2,878	3,582	4,916	4,912	4,283	2,246	607	308	1,608	660	1,972	3,984	2,902
Long Term													
Full Simulation Period[a]	4,641	4,094	5,656	4,887	4,093	1,704	-3,267	-4,701	-1,864	-411	2,266	5,912	1,918
Water Year Types[b]													
Wet (32%)	4,587	3,949	3,501	8,869	7,766	4,183	-5,677	-11,811	-7,495	-794	2,491	8,343	1,493
Above Normal (15%)	4,824	4,007	7,331	1,803	2,676	1,386	-6,318	-4,972	-885	-1,174	3,063	7,624	1,614
Below Normal (17%)	5,248	5,151	6,944	2,070	483	-939	-2,832	-2,343	1,950	-945	2,607	4,508	1,825
Dry (22%)	4,655	3,634	6,849	4,140	2,700	703	-569	335	1,059	352	1,457	4,220	2,461
Critical (15%)	3,848	3,951	5,359	3,749	3,854	1,237	454	673	524	660	1,798	3,108	2,435

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-7-1-11. Sacramento/San Joaquin River Delta, Monthly Outflow Rate

Existing Condition

	Monthly Outflow Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	6,715	16,643	65,896	106,566	123,159	91,606	68,957	53,731	29,717	11,010	5,650	10,109	44,440
20%	4,603	7,613	35,641	67,111	77,058	62,905	49,306	30,361	14,749	8,727	4,745	7,872	33,383
30%	4,351	6,239	20,351	47,588	62,823	46,968	29,154	21,936	10,328	8,000	4,448	4,079	27,538
40%	4,008	5,799	11,724	31,660	51,243	33,850	26,561	19,505	7,942	8,000	4,000	3,853	21,405
50%	4,000	5,100	8,176	23,462	36,121	26,533	19,193	16,166	7,270	8,000	4,000	3,606	14,765
60%	4,000	4,783	6,464	17,526	23,293	21,654	15,823	12,445	7,100	6,500	4,000	3,401	12,401
70%	4,000	4,500	5,283	12,909	17,199	16,769	12,969	10,254	6,716	5,000	4,000	3,078	10,505
80%	4,000	4,500	5,014	9,907	13,613	12,799	11,160	8,720	6,300	5,000	4,000	3,000	8,963
90%	3,817	4,500	4,500	8,652	9,542	9,714	9,643	7,100	5,187	4,300	4,000	3,000	7,328
Long Term													
Full Simulation Period[a]	4,931	9,193	22,714	43,289	52,594	43,172	30,099	22,517	12,765	7,951	4,618	5,334	21,598
Water Year Types[b]													
Wet (32%)	6,487	14,232	48,185	85,900	96,835	78,956	54,394	41,040	23,451	11,441	5,341	9,569	39,652
Above Normal (15%)	4,021	9,683	18,014	49,448	62,321	54,171	31,975	24,200	11,801	9,430	4,000	3,672	23,561
Below Normal (17%)	4,477	5,864	11,950	22,968	36,766	24,029	21,928	16,299	8,004	7,151	4,000	3,445	13,907
Dry (22%)	4,157	6,943	8,884	14,736	20,915	19,880	14,142	10,487	6,636	5,024	4,829	3,350	9,999
Critical (15%)	4,158	5,045	5,531	11,343	12,991	11,911	9,053	6,000	5,322	4,238	4,077	3,000	6,889

Alternative 7 (LLT)

	Monthly Outflow Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	11,563	17,669	70,411	111,391	137,868	90,385	61,590	34,539	19,678	10,084	5,905	22,328	45,514
20%	11,218	15,772	36,466	77,358	89,720	68,759	38,796	21,189	12,734	9,064	5,094	21,813	35,686
30%	10,625	13,234	23,821	46,091	61,923	44,251	25,886	18,043	11,598	8,000	4,899	18,844	29,455
40%	10,155	11,744	19,622	29,430	52,117	32,960	21,231	15,241	10,939	8,000	4,595	13,313	23,288
50%	9,789	10,355	16,564	25,639	36,120	26,007	17,427	13,507	10,261	7,554	4,331	5,144	16,402
60%	9,301	9,606	15,023	21,751	25,206	21,585	14,951	11,715	9,555	5,634	4,000	4,276	14,292
70%	8,994	9,295	12,700	17,152	20,459	18,830	12,244	10,601	8,434	5,000	4,000	3,534	12,335
80%	8,448	8,778	10,596	15,282	18,458	16,242	11,235	9,496	7,956	5,000	4,000	3,000	11,369
90%	7,555	8,231	9,408	13,497	13,706	12,257	10,129	7,474	7,808	4,000	4,000	3,000	10,044
Long Term													
Full Simulation Period[a]	9,985	13,615	28,051	48,341	57,700	45,036	27,689	18,464	11,896	7,017	4,639	10,704	23,595
Water Year Types[b]													
Wet (32%)	11,283	18,896	50,675	94,893	106,490	82,488	50,278	30,448	16,851	8,901	4,094	21,382	41,390
Above Normal (15%)	9,951	14,044	25,485	52,008	66,637	55,835	27,043	20,300	12,100	9,030	4,261	12,678	25,781
Below Normal (17%)	9,712	11,086	18,729	25,257	37,697	24,012	19,625	13,961	10,672	6,491	5,172	3,449	15,489
Dry (22%)	9,269	10,699	15,677	18,681	24,038	21,177	13,822	10,739	8,353	5,318	5,004	3,749	12,211
Critical (15%)	8,596	9,072	11,033	15,233	16,881	13,406	9,600	7,502	7,699	4,083	5,028	4,490	9,385

Alternative 7 (LLT) minus Existing Condition

	Monthly Outflow Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	4,847	1,026	4,515	4,825	14,709	-1,221	-7,366	-19,192	-10,039	-926	256	12,220	1,074
20%	6,615	8,159	825	10,247	12,662	5,854	-10,510	-9,172	-2,014	338	349	13,940	2,303
30%	6,274	6,995	3,470	-1,497	-899	-2,717	-3,268	-3,893	1,270	0	451	14,764	1,917
40%	6,146	5,945	7,898	-2,230	874	-890	-5,330	-4,264	2,997	0	595	9,459	1,883
50%	5,789	5,256	8,387	2,177	-1	-526	-1,766	-2,658	2,991	-446	331	1,538	1,637
60%	5,301	4,823	8,559	4,225	1,913	-69	-871	-729	2,455	-866	0	875	1,891
70%	4,994	4,795	7,417	4,243	3,259	2,061	-724	346	1,718	0	0	455	1,830
80%	4,448	4,278	5,583	5,375	4,846	3,443	74	776	1,656	0	0	0	2,405
90%	3,738	3,731	4,908	4,845	4,164	2,543	486	374	2,621	-300	0	0	2,716
Long Term													
Full Simulation Period[a]	5,054	4,422	5,337	5,053	5,106	1,864	-2,410	-4,053	-869	-934	21	5,370	1,997
Water Year Types[b]													
Wet (32%)	4,797	4,663	2,490	8,994	9,655	3,532	-4,116	-10,592	-6,600	-2,539	-1,247	11,813	1,738
Above Normal (15%)	5,930	4,360	7,471	2,561	4,315	1,664	-4,932	-3,900	299	-400	261	9,006	2,220
Below Normal (17%)	5,236	5,222	6,779	2,289	931	-17	-2,303	-2,338	2,668	-660	1,172	4	1,582
Dry (22%)	5,112	3,756	6,793	3,946	3,122	1,297	-320	251	1,717	294	176	399	2,212
Critical (15%)	4,438	4,027	5,502	3,890	3,891	1,495	547	1,502	2,377	-154	951	1,490	2,496

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-7-1-12. Sacramento/San Joaquin River Delta, Monthly Outflow Rate

Existing Condition

Statistic	Monthly Outflow Rate (CFS)												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	6,715	16,643	65,896	106,566	123,159	91,606	68,957	53,731	29,717	11,010	5,650	10,109	44,440
20%	4,603	7,613	35,641	67,111	77,058	62,905	49,306	30,361	14,749	8,727	4,745	7,872	33,383
30%	4,351	6,239	20,351	47,588	62,823	46,968	29,154	21,936	10,328	8,000	4,448	4,079	27,538
40%	4,008	5,799	11,724	31,660	51,243	33,850	26,561	19,505	7,942	8,000	4,000	3,853	21,405
50%	4,000	5,100	8,176	23,462	36,121	26,533	19,193	16,166	7,270	8,000	4,000	3,606	14,765
60%	4,000	4,783	6,464	17,526	23,293	21,654	15,823	12,445	7,100	6,500	4,000	3,401	12,401
70%	4,000	4,500	5,283	12,909	17,199	16,769	12,969	10,254	6,716	5,000	4,000	3,078	10,505
80%	4,000	4,500	5,014	9,907	13,613	12,799	11,160	8,720	6,300	5,000	4,000	3,000	8,963
90%	3,817	4,500	4,500	8,652	9,542	9,714	9,643	7,100	5,187	4,300	4,000	3,000	7,328
Long Term													
Full Simulation Period[a]	4,931	9,193	22,714	43,289	52,594	43,172	30,099	22,517	12,765	7,951	4,618	5,334	21,598
Water Year Types[b]													
Wet (32%)	6,487	14,232	48,185	85,900	96,835	78,956	54,394	41,040	23,451	11,441	5,341	9,569	39,652
Above Normal (15%)	4,021	9,683	18,014	49,448	62,321	54,171	31,975	24,200	11,801	9,430	4,000	3,672	23,561
Below Normal (17%)	4,477	5,864	11,950	22,968	36,766	24,029	21,928	16,299	8,004	7,151	4,000	3,445	13,907
Dry (22%)	4,157	6,943	8,884	14,736	20,915	19,880	14,142	10,487	6,636	5,024	4,829	3,350	9,999
Critical (15%)	4,158	5,045	5,531	11,343	12,991	11,911	9,053	6,000	5,322	4,238	4,077	3,000	6,889

Alternative 8 (LLT)

Statistic	Monthly Outflow Rate (CFS)												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	11,607	16,875	65,462	116,334	135,095	90,300	68,018	39,862	19,926	8,963	4,919	22,500	46,704
20%	11,063	15,092	38,555	74,226	90,162	69,080	44,201	28,341	13,462	8,000	4,602	21,875	36,344
30%	10,469	13,234	23,745	51,612	68,560	47,697	32,954	21,998	11,425	8,000	4,219	19,109	30,277
40%	10,094	11,438	19,213	33,154	54,489	34,062	27,400	19,968	10,593	8,000	4,000	13,625	25,742
50%	9,294	10,504	16,263	29,471	40,213	29,732	23,556	17,971	9,761	6,500	4,000	4,680	17,807
60%	8,802	9,817	14,982	22,235	27,397	25,311	21,285	15,850	8,585	5,000	4,000	3,929	15,893
70%	8,396	9,495	12,313	18,047	23,320	22,570	17,604	12,714	7,999	5,000	4,000	3,293	13,908
80%	7,820	9,287	10,627	15,606	20,833	18,723	16,008	10,746	7,806	5,000	4,000	3,000	12,348
90%	6,260	8,066	8,902	13,377	14,497	14,430	12,719	8,372	7,513	4,000	4,000	3,000	10,385
Long Term													
Full Simulation Period[a]	9,567	13,593	27,855	50,517	58,988	47,301	32,694	21,789	11,975	6,677	4,227	10,624	24,651
Water Year Types[b]													
Wet (32%)	10,698	18,783	51,194	98,110	105,369	83,030	54,395	34,707	17,629	8,782	4,000	21,436	42,345
Above Normal (15%)	9,923	13,443	23,702	55,237	68,322	56,840	33,786	23,131	12,272	8,017	4,003	12,805	26,790
Below Normal (17%)	9,301	11,211	18,694	27,942	40,504	27,303	27,172	18,491	10,036	5,908	3,995	3,246	16,983
Dry (22%)	9,005	11,112	15,420	19,582	27,556	26,181	19,140	13,443	8,039	5,072	4,539	3,557	13,554
Critical (15%)	7,917	8,995	10,783	15,420	17,874	15,362	11,354	8,826	7,590	4,083	4,746	4,225	9,765

Alternative 8 (LLT) minus Existing Condition

Statistic	Monthly Outflow Rate (CFS)												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	4,891	232	-434	9,768	11,936	-1,306	-938	-13,869	-9,791	-2,047	-731	12,391	2,263
20%	6,460	7,479	2,914	7,115	13,104	6,175	-5,106	-2,020	-1,287	-727	-144	14,003	2,961
30%	6,118	6,995	3,394	4,024	5,737	729	3,800	62	1,097	0	-228	15,030	2,739
40%	6,085	5,639	7,489	1,494	3,246	212	839	463	2,651	0	0	9,772	4,337
50%	5,294	5,405	8,087	6,009	4,091	3,199	4,363	1,805	2,491	-1,500	0	1,074	3,042
60%	4,802	5,034	8,518	4,710	4,104	3,657	5,463	3,405	1,485	-1,500	0	527	3,492
70%	4,396	4,995	7,029	5,138	6,121	5,801	4,635	2,459	1,282	0	0	215	3,403
80%	3,820	4,787	5,614	5,699	7,220	5,924	4,848	2,026	1,506	0	0	0	3,385
90%	2,443	3,566	4,402	4,725	4,955	4,716	3,076	1,272	2,325	-300	0	0	3,057
Long Term													
Full Simulation Period[a]	4,637	4,399	5,141	7,228	6,394	4,130	2,595	-728	-790	-1,274	-391	5,290	3,053
Water Year Types[b]													
Wet (32%)	4,211	4,551	3,009	12,210	8,534	4,075	1	-6,332	-5,821	-2,659	-1,341	11,867	2,692
Above Normal (15%)	5,902	3,760	5,688	5,790	6,000	2,669	1,811	-1,068	471	-1,414	3	9,133	3,229
Below Normal (17%)	4,825	5,346	6,743	4,974	3,737	3,274	5,244	2,192	2,032	-1,243	-5	-199	3,077
Dry (22%)	4,847	4,169	6,536	4,846	6,641	6,300	4,998	2,955	1,404	49	-290	207	3,555
Critical (15%)	3,759	3,951	5,252	4,077	4,883	3,451	2,301	2,826	2,268	-154	669	1,225	2,876

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-7-1-13. Sacramento/San Joaquin River Delta, Monthly Outflow Rate

Existing Condition

	Monthly Outflow Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	6,715	16,643	65,896	106,566	123,159	91,606	68,957	53,731	29,717	11,010	5,650	10,109	44,440
20%	4,603	7,613	35,641	67,111	77,058	62,905	49,306	30,361	14,749	8,727	4,745	7,872	33,383
30%	4,351	6,239	20,351	47,588	62,823	46,968	29,154	21,936	10,328	8,000	4,448	4,079	27,538
40%	4,008	5,799	11,724	31,660	51,243	33,850	26,561	19,505	7,942	8,000	4,000	3,853	21,405
50%	4,000	5,100	8,176	23,462	36,121	26,533	19,193	16,166	7,270	8,000	4,000	3,606	14,765
60%	4,000	4,783	6,464	17,526	23,293	21,654	15,823	12,445	7,100	6,500	4,000	3,401	12,401
70%	4,000	4,500	5,283	12,909	17,199	16,769	12,969	10,254	6,716	5,000	4,000	3,078	10,505
80%	4,000	4,500	5,014	9,907	13,613	12,799	11,160	8,720	6,300	5,000	4,000	3,000	8,963
90%	3,817	4,500	4,500	8,652	9,542	9,714	9,643	7,100	5,187	4,300	4,000	3,000	7,328
Long Term													
Full Simulation Period[a]	4,931	9,193	22,714	43,289	52,594	43,172	30,099	22,517	12,765	7,951	4,618	5,334	21,598
Water Year Types[b]													
Wet (32%)	6,487	14,232	48,185	85,900	96,835	78,956	54,394	41,040	23,451	11,441	5,341	9,569	39,652
Above Normal (15%)	4,021	9,683	18,014	49,448	62,321	54,171	31,975	24,200	11,801	9,430	4,000	3,672	23,561
Below Normal (17%)	4,477	5,864	11,950	22,968	36,766	24,029	21,928	16,299	8,004	7,151	4,000	3,445	13,907
Dry (22%)	4,157	6,943	8,884	14,736	20,915	19,880	14,142	10,487	6,636	5,024	4,829	3,350	9,999
Critical (15%)	4,158	5,045	5,531	11,343	12,991	11,911	9,053	6,000	5,322	4,238	4,077	3,000	6,889

Alternative 9 (LLT)

	Monthly Outflow Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	11,219	15,922	72,184	116,953	142,657	92,896	65,604	37,981	15,997	11,189	5,943	21,563	46,796
20%	10,469	14,301	34,016	77,507	94,022	71,494	42,969	22,449	11,738	10,225	5,409	20,938	35,196
30%	10,109	12,905	16,905	50,649	69,997	50,142	26,776	16,763	10,961	8,688	5,218	17,469	29,233
40%	7,312	11,031	11,566	31,698	54,937	36,505	21,825	14,590	9,756	8,000	4,946	12,750	23,574
50%	6,914	9,766	6,414	23,463	39,213	28,433	16,577	13,586	8,795	6,749	4,597	3,414	14,844
60%	4,000	4,553	5,236	19,367	24,294	21,466	13,817	12,652	8,258	6,500	4,205	3,000	13,083
70%	4,000	4,500	4,627	13,709	18,391	18,823	11,640	12,033	7,267	5,216	4,000	3,000	10,888
80%	4,000	4,500	4,500	11,048	14,556	14,077	10,949	11,238	7,100	5,000	4,000	3,000	9,838
90%	3,000	3,500	4,500	9,259	10,209	10,366	9,971	7,128	6,271	4,615	4,000	3,000	8,330
Long Term													
Full Simulation Period[a]	6,892	10,658	22,064	47,837	58,171	46,443	28,520	19,187	10,893	7,403	4,754	10,063	22,741
Water Year Types[b]													
Wet (32%)	8,710	15,824	46,340	97,198	108,810	85,974	52,374	31,309	16,323	10,186	4,234	20,595	41,490
Above Normal (15%)	6,406	11,203	18,822	53,318	69,090	58,768	28,278	20,081	11,618	8,669	4,216	12,095	25,214
Below Normal (17%)	6,545	8,694	12,294	23,930	38,460	24,376	19,364	14,324	8,979	5,965	4,490	3,899	14,277
Dry (22%)	6,305	7,681	8,034	15,597	22,776	20,872	14,077	12,909	7,545	5,191	5,455	3,000	10,787
Critical (15%)	4,724	5,681	5,154	11,658	13,626	12,572	9,424	7,118	5,659	5,104	5,676	3,000	7,450

Alternative 9 (LLT) minus Existing Condition

	Monthly Outflow Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	4,503	-721	6,288	10,387	19,498	1,290	-3,353	-15,750	-13,719	180	293	11,454	2,356
20%	5,866	6,688	-1,625	10,396	16,964	8,589	-6,338	-7,912	-3,011	1,499	664	13,065	1,813
30%	5,759	6,666	-3,446	3,062	7,174	3,174	-2,378	-5,173	632	688	770	13,389	1,695
40%	3,304	5,233	-158	38	3,694	2,655	-4,735	-4,916	1,814	0	946	8,897	2,170
50%	2,914	4,666	-1,763	0	3,092	1,900	-2,616	-2,580	1,525	-1,251	597	-192	79
60%	0	-230	-1,228	1,841	1,000	-188	-2,006	207	1,158	0	205	-401	681
70%	0	0	-656	801	1,191	2,054	-1,329	1,779	551	216	0	-78	383
80%	0	0	-514	1,141	944	1,278	-211	2,519	800	0	0	0	875
90%	-817	-1,000	0	607	667	652	328	28	1,083	315	0	0	1,002
Long Term													
Full Simulation Period[a]	1,961	1,465	-650	4,548	5,578	3,272	-1,579	-3,330	-1,871	-548	136	4,729	1,143
Water Year Types[b]													
Wet (32%)	2,223	1,592	-1,845	11,298	11,975	7,018	-2,020	-9,731	-7,128	-1,255	-1,107	11,026	1,837
Above Normal (15%)	2,385	1,520	808	3,870	6,768	4,597	-3,698	-4,119	-183	-761	216	8,423	1,652
Below Normal (17%)	2,068	2,829	344	962	1,693	347	-2,564	-1,975	975	-1,186	490	454	370
Dry (22%)	2,148	738	-850	861	1,860	991	-65	2,422	910	168	626	-350	788
Critical (15%)	566	636	-377	315	635	661	371	1,118	337	866	1,599	0	561

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-7-1-14. Sacramento/San Joaquin River Delta, Monthly Outflow Rate

No Action Alternative (LLT)

	Monthly Outflow Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	11,234	15,469	68,167	106,474	135,965	93,131	68,298	39,760	18,601	13,558	6,297	21,250	46,341
20%	10,938	14,343	32,181	75,213	92,435	70,389	44,438	25,887	11,104	12,779	5,570	20,750	35,257
30%	10,578	12,905	16,907	48,241	64,656	49,395	29,251	18,934	10,265	10,830	5,270	17,016	29,149
40%	8,125	10,938	12,033	29,372	51,011	33,034	24,619	14,380	8,874	9,988	4,637	11,875	23,365
50%	7,763	10,182	9,176	22,068	36,623	25,464	18,289	13,070	8,353	8,281	4,154	3,470	15,033
60%	7,263	5,398	7,365	18,568	22,394	19,021	14,930	11,203	8,150	7,694	4,000	3,000	12,836
70%	6,651	4,506	5,502	14,279	18,411	17,306	11,588	10,187	7,383	6,500	4,000	3,000	10,708
80%	5,416	4,500	4,802	10,583	12,804	12,757	10,558	9,666	7,100	5,353	4,000	3,000	9,317
90%	4,675	3,867	4,500	8,795	9,837	9,752	9,922	7,114	6,616	5,000	4,000	3,000	8,196
Long Term													
Full Simulation Period[a]	8,276	10,844	22,113	46,372	56,338	45,097	29,603	19,121	10,560	8,984	4,754	9,754	22,651
Water Year Types[b]													
Wet (32%)	9,520	15,987	45,191	94,620	107,085	84,471	54,562	32,880	15,640	11,407	4,308	20,078	41,312
Above Normal (15%)	8,982	11,529	19,119	51,100	65,873	56,737	30,576	21,709	10,676	12,225	4,713	11,581	25,402
Below Normal (17%)	8,054	8,681	12,231	22,301	36,084	22,467	20,641	13,596	8,943	7,668	5,129	3,428	14,102
Dry (22%)	7,294	8,052	8,828	14,732	21,461	19,985	13,413	10,375	7,689	6,448	5,348	3,021	10,554
Critical (15%)	6,607	5,725	6,560	12,651	12,798	12,215	9,294	6,286	5,632	5,832	4,433	3,036	7,589

Alternative 1A,1B,1C (LLT)

	Monthly Outflow Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	14,892	12,208	65,589	107,924	144,261	97,384	60,689	30,856	17,412	10,217	4,943	6,172	42,926
20%	13,600	6,898	32,429	75,726	89,340	68,645	38,153	19,534	11,509	8,957	4,386	4,594	33,546
30%	12,224	4,652	17,271	43,792	61,413	43,025	22,217	15,435	10,923	8,254	4,011	3,858	26,477
40%	11,418	4,500	12,072	26,186	48,267	31,762	18,131	11,961	10,166	8,000	4,000	3,250	19,326
50%	9,396	4,500	9,243	22,330	34,155	24,441	13,208	11,400	9,378	7,861	4,000	3,000	13,911
60%	8,602	4,500	7,605	19,216	20,575	18,385	11,948	10,729	8,537	6,500	4,000	3,000	12,256
70%	6,509	4,500	5,867	15,823	16,793	15,574	11,092	10,092	7,550	5,138	4,000	3,000	10,137
80%	4,777	4,500	4,992	13,440	12,387	12,729	10,241	8,899	7,117	5,000	4,000	3,000	8,914
90%	3,480	4,500	4,508	10,737	10,747	9,553	9,748	7,121	6,611	5,000	3,522	3,000	8,047
Long Term													
Full Simulation Period[a]	9,698	7,629	22,347	45,847	55,743	44,102	25,754	16,646	10,706	7,271	4,132	4,028	21,159
Water Year Types[b]													
Wet (32%)	9,685	12,336	45,940	93,735	107,800	84,947	48,246	27,984	15,739	9,186	4,000	4,185	38,649
Above Normal (15%)	9,717	6,760	20,042	48,196	65,435	54,848	24,457	16,919	10,625	8,891	4,175	3,077	22,762
Below Normal (17%)	10,487	4,493	12,524	21,763	35,010	21,443	16,714	12,204	9,688	6,388	4,088	3,190	13,166
Dry (22%)	8,757	5,494	8,634	15,816	19,127	17,264	12,324	10,508	7,844	5,397	4,470	3,979	9,968
Critical (15%)	10,195	5,163	5,562	12,882	12,373	11,551	9,012	6,196	5,365	5,344	3,919	5,689	7,771

Alternative 1A,1B,1C (LLT) minus No Action Alternative (LLT)

	Monthly Outflow Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	3,658	-3,260	-2,579	1,450	8,295	4,254	-7,609	-8,903	-1,189	-3,341	-1,354	-15,078	-3,415
20%	2,663	-7,445	248	513	-3,095	-1,744	-6,286	-6,353	405	-3,822	-1,184	-16,156	-1,711
30%	1,646	-8,253	364	-4,449	-3,243	-6,371	-7,034	-3,499	658	-2,576	-1,259	-13,157	-2,672
40%	3,293	-6,437	38	-3,187	-2,744	-1,272	-6,487	-2,419	1,292	-1,988	-637	-8,625	-4,039
50%	1,633	-5,682	67	262	-2,468	-1,023	-5,081	-1,670	1,025	-419	-154	-470	-1,122
60%	1,338	-898	240	648	-1,819	-635	-2,982	-474	387	-1,194	0	0	-580
70%	-143	-6	365	1,544	-1,618	-1,732	-495	-94	167	-1,362	0	0	-571
80%	-639	0	190	2,857	-417	-28	-316	-766	17	-353	0	0	-403
90%	-1,195	633	8	1,942	911	-199	-174	7	-5	0	-478	0	-149
Long Term													
Full Simulation Period[a]	1,422	-3,215	234	-525	-596	-995	-3,849	-2,475	146	-1,713	-622	-5,726	-1,493
Water Year Types[b]													
Wet (32%)	165	-3,652	749	-885	714	476	-6,316	-4,897	100	-2,221	-308	-15,893	-2,664
Above Normal (15%)	735	-4,768	923	-2,904	-438	-1,890	-6,119	-4,790	-51	-3,334	-538	-8,504	-2,640
Below Normal (17%)	2,433	-4,188	293	-538	-1,074	-1,024	-3,927	-1,392	745	-1,280	-1,041	-238	-936
Dry (22%)	1,463	-2,558	-194	1,084	-2,334	-2,722	-1,090	133	155	-1,051	-877	957	-586
Critical (15%)	3,588	-562	-998	232	-425	-664	-282	-90	-267	-488	-514	2,653	182

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-7-1-15. Sacramento/San Joaquin River Delta, Monthly Outflow Rate

No Action Alternative (LLT)

	Monthly Outflow Rate (CFS)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**AVG**
Probability of Exceedance													
10%	11,234	15,469	68,167	106,474	135,965	93,131	68,298	39,760	18,601	13,558	6,297	21,250	46,341
20%	10,938	14,343	32,181	75,213	92,435	70,389	44,438	25,887	11,104	12,779	5,570	20,750	35,257
30%	10,578	12,905	16,907	48,241	64,656	49,395	29,251	18,934	10,265	10,830	5,270	17,016	29,149
40%	8,125	10,938	12,033	29,372	51,011	33,034	24,619	14,380	8,874	9,988	4,637	11,875	23,365
50%	7,763	10,182	9,176	22,068	36,623	25,464	18,289	13,070	8,353	8,281	4,154	3,470	15,033
60%	7,263	5,398	7,365	18,568	22,394	19,021	14,930	11,203	8,150	7,694	4,000	3,000	12,836
70%	6,651	4,506	5,502	14,279	18,411	17,306	11,588	10,187	7,383	6,500	4,000	3,000	10,708
80%	5,416	4,500	4,802	10,583	12,804	12,757	10,558	9,666	7,100	5,353	4,000	3,000	9,317
90%	4,675	3,867	4,500	8,795	9,837	9,752	9,922	7,114	6,616	5,000	4,000	3,000	8,196
Long Term													
Full Simulation Period[a]	8,276	10,844	22,113	46,372	56,338	45,097	29,603	19,121	10,560	8,984	4,754	9,754	22,651
Water Year Types[b]													
Wet (32%)	9,520	15,987	45,191	94,620	107,085	84,471	54,562	32,880	15,640	11,407	4,308	20,078	41,312
Above Normal (15%)	8,982	11,529	19,119	51,100	65,873	56,737	30,576	21,709	10,676	12,225	4,713	11,581	25,402
Below Normal (17%)	8,054	8,681	12,231	22,301	36,084	22,467	20,641	13,596	8,943	7,668	5,129	3,428	14,102
Dry (22%)	7,294	8,052	8,828	14,732	21,461	19,985	13,413	10,375	7,689	6,448	5,348	3,021	10,554
Critical (15%)	6,607	5,725	6,560	12,651	12,798	12,215	9,294	6,286	5,632	5,832	4,433	3,036	7,589

Alternative 2A,2B,2C (LLT)

	Monthly Outflow Rate (CFS)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**AVG**
Probability of Exceedance													
10%	13,206	16,661	60,913	104,813	132,174	94,884	61,335	30,879	17,594	10,607	4,985	22,500	43,663
20%	11,562	14,483	29,252	72,117	90,674	66,569	37,889	20,103	11,466	9,404	4,550	22,125	34,659
30%	10,938	12,905	16,311	41,896	58,926	39,818	23,135	16,048	10,685	8,433	4,094	19,063	27,477
40%	10,625	11,438	12,690	27,013	46,419	31,434	19,482	14,545	9,665	8,000	4,000	13,406	21,057
50%	10,313	9,421	10,564	22,301	32,819	22,431	15,397	13,273	9,131	8,000	4,000	6,801	14,020
60%	9,549	4,500	7,375	17,222	21,211	17,930	13,275	11,629	8,482	6,634	4,000	4,526	12,571
70%	8,101	4,500	5,670	14,489	18,152	14,664	11,417	10,844	7,740	5,382	4,000	3,549	10,288
80%	7,400	4,500	4,507	12,560	12,673	12,035	10,308	10,165	7,121	5,000	4,000	3,000	9,460
90%	5,721	3,600	4,500	11,120	9,919	9,750	9,760	7,128	6,592	5,000	3,725	3,000	8,386
Long Term													
Full Simulation Period[a]	9,700	10,628	21,691	44,350	54,590	43,096	26,221	17,537	10,656	7,459	4,184	10,994	21,759
Water Year Types[b]													
Wet (32%)	10,423	15,785	43,734	89,743	105,519	82,842	48,560	28,585	15,593	9,277	4,000	21,496	39,630
Above Normal (15%)	9,893	10,833	18,954	47,604	63,432	54,465	24,901	18,855	10,806	9,312	4,117	12,799	23,831
Below Normal (17%)	9,859	8,258	12,565	21,243	33,176	19,914	18,125	13,896	9,575	6,822	4,255	3,327	13,418
Dry (22%)	8,940	7,949	9,207	15,291	19,767	16,996	12,682	11,047	7,821	5,433	4,571	3,975	10,307
Critical (15%)	8,894	6,032	6,036	13,294	12,617	11,806	8,890	6,263	5,321	5,449	3,989	5,905	7,875

Alternative 2A,2B,2C (LLT) minus No Action Alternative (LLT)

	Monthly Outflow Rate (CFS)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**AVG**
Probability of Exceedance													
10%	1,972	1,192	**-7,254**	**-1,661**	**-3,792**	1,754	**-6,963**	**-8,880**	**-1,008**	**-2,951**	**-1,312**	1,250	**-2,678**
20%	624	140	**-2,928**	**-3,096**	**-1,761**	**-3,820**	**-6,549**	**-5,783**	362	**-3,375**	**-1,020**	1,375	**-598**
30%	359	0	**-597**	**-6,345**	**-5,729**	**-9,577**	**-6,116**	**-2,886**	419	**-2,397**	**-1,176**	2,047	**-1,672**
40%	2,500	500	657	**-2,359**	**-4,591**	**-1,600**	**-5,137**	165	791	**-1,988**	**-637**	1,531	**-2,308**
50%	2,550	**-761**	1,388	233	**-3,804**	**-3,033**	**-2,892**	202	778	**-281**	**-154**	3,331	**-1,013**
60%	2,286	**-898**	10	**-1,345**	**-1,184**	**-1,091**	**-1,655**	426	332	**-1,060**	**0**	1,526	**-265**
70%	1,450	**-6**	169	210	**-259**	**-2,642**	**-171**	657	357	**-1,118**	**0**	549	**-419**
80%	1,984	0	**-295**	1,977	**-131**	**-721**	**-250**	499	21	**-353**	0	0	144
90%	1,046	**-267**	0	2,325	82	**-2**	**-162**	15	**-25**	0	**-275**	0	191
Long Term													
Full Simulation Period[a]	1,424	**-216**	**-422**	**-2,022**	**-1,749**	**-2,001**	**-3,383**	**-1,584**	96	**-1,525**	**-570**	1,240	**-893**
Water Year Types[b]													
Wet (32%)	903	**-203**	**-1,456**	**-4,877**	**-1,566**	**-1,630**	**-6,002**	**-4,296**	**-47**	**-2,129**	**-308**	1,418	**-1,683**
Above Normal (15%)	911	**-695**	**-165**	**-3,496**	**-2,441**	**-2,272**	**-5,675**	**-2,854**	130	**-2,913**	**-596**	1,217	**-1,571**
Below Normal (17%)	1,805	**-423**	334	**-1,058**	**-2,908**	**-2,553**	**-2,516**	300	632	**-846**	**-875**	**-101**	**-684**
Dry (22%)	1,646	**-103**	379	558	**-1,694**	**-2,990**	**-732**	672	132	**-1,016**	**-776**	954	**-247**
Critical (15%)	2,287	307	**-524**	643	**-180**	**-409**	**-403**	**-23**	**-311**	**-383**	**-444**	2,870	286

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-7-1-16. Sacramento/San Joaquin River Delta, Monthly Outflow Rate

No Action Alternative (LLT)

	Monthly Outflow Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	11,234	15,469	68,167	106,474	135,965	93,131	68,298	39,760	18,601	13,558	6,297	21,250	46,341
20%	10,938	14,343	32,181	75,213	92,435	70,389	44,438	25,887	11,104	12,779	5,570	20,750	35,257
30%	10,578	12,905	16,907	48,241	64,656	49,395	29,251	18,934	10,265	10,830	5,270	17,016	29,149
40%	8,125	10,938	12,033	29,372	51,011	33,034	24,619	14,380	8,874	9,988	4,637	11,875	23,365
50%	7,763	10,182	9,176	22,068	36,623	25,464	18,289	13,070	8,353	8,281	4,154	3,470	15,033
60%	7,263	5,398	7,365	18,568	22,394	19,021	14,930	11,203	8,150	7,694	4,000	3,000	12,836
70%	6,651	4,506	5,502	14,279	18,411	17,306	11,588	10,187	7,383	6,500	4,000	3,000	10,708
80%	5,416	4,500	4,802	10,583	12,804	12,757	10,558	9,666	7,100	5,353	4,000	3,000	9,317
90%	4,675	3,867	4,500	8,795	9,837	9,752	9,922	7,114	6,616	5,000	4,000	3,000	8,196
Long Term													
Full Simulation Period[a]	8,276	10,844	22,113	46,372	56,338	45,097	29,603	19,121	10,560	8,984	4,754	9,754	22,651
Water Year Types[b]													
Wet (32%)	9,520	15,987	45,191	94,620	107,085	84,471	54,562	32,880	15,640	11,407	4,308	20,078	41,312
Above Normal (15%)	8,982	11,529	19,119	51,100	65,873	56,737	30,576	21,709	10,676	12,225	4,713	11,581	25,402
Below Normal (17%)	8,054	8,681	12,231	22,301	36,084	22,467	20,641	13,596	8,943	7,668	5,129	3,428	14,102
Dry (22%)	7,294	8,052	8,828	14,732	21,461	19,985	13,413	10,375	7,689	6,448	5,348	3,021	10,554
Critical (15%)	6,607	5,725	6,560	12,651	12,798	12,215	9,294	6,286	5,632	5,832	4,433	3,036	7,589

Alternative 3 (LLT)

	Monthly Outflow Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	14,946	11,973	65,743	107,382	140,649	97,219	60,480	30,934	17,242	10,374	4,758	6,276	43,035
20%	13,032	6,902	33,058	77,509	88,289	68,898	37,980	19,848	11,453	9,391	4,252	4,914	33,680
30%	12,436	4,905	17,396	43,374	60,349	46,104	21,725	15,767	10,676	8,280	4,000	4,005	26,599
40%	11,769	4,500	12,951	26,542	50,692	32,025	17,791	12,205	9,920	8,000	4,000	3,362	19,733
50%	9,293	4,500	10,052	22,971	34,369	25,433	12,965	11,350	9,435	7,914	4,000	3,000	14,051
60%	8,138	4,500	7,951	18,898	20,948	18,066	11,660	10,905	8,408	6,500	4,000	3,000	12,173
70%	6,683	4,500	6,381	15,058	17,657	15,939	11,004	10,085	7,581	5,457	4,000	3,000	10,191
80%	4,781	4,500	5,007	13,652	12,642	12,863	10,260	9,183	7,123	5,000	4,000	3,000	9,131
90%	3,034	4,500	4,500	11,011	10,024	9,557	9,539	7,120	6,680	5,000	3,630	3,000	8,142
Long Term													
Full Simulation Period[a]	9,689	7,638	22,722	46,432	56,118	44,196	25,618	16,794	10,673	7,402	4,101	4,109	21,291
Water Year Types[b]													
Wet (32%)	9,900	12,201	46,430	94,461	107,861	84,730	48,187	28,263	15,657	9,386	4,000	4,205	38,774
Above Normal (15%)	10,282	6,899	20,297	49,621	65,321	54,844	24,101	17,230	10,597	9,017	4,136	3,263	22,967
Below Normal (17%)	9,695	4,490	13,008	21,773	35,420	21,471	16,785	12,172	9,685	6,529	4,126	3,490	13,220
Dry (22%)	8,521	5,583	9,263	16,098	20,525	17,847	12,008	10,591	7,779	5,504	4,300	3,925	10,162
Critical (15%)	10,384	5,248	5,297	13,453	12,340	11,759	8,953	6,205	5,443	5,355	3,956	5,746	7,845

Alternative 3 (LLT) minus No Action Alternative (LLT)

	Monthly Outflow Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	3,712	-3,496	-2,424	908	4,684	4,089	-7,818	-8,825	-1,359	-3,184	-1,539	-14,974	-3,306
20%	2,094	-7,442	877	2,296	-4,146	-1,491	-6,458	-6,038	349	-3,388	-1,319	-15,836	-1,577
30%	1,858	-8,000	488	-4,867	-4,307	-3,291	-7,526	-3,166	411	-2,550	-1,270	-13,010	-2,550
40%	3,644	-6,437	917	-2,831	-319	-1,009	-6,827	-2,175	1,046	-1,988	-637	-8,513	-3,632
50%	1,530	-5,682	876	903	-2,254	-31	-5,324	-1,720	1,082	-367	-154	-470	-982
60%	875	-898	586	330	-1,447	-955	-3,270	-298	257	-1,194	0	0	-663
70%	32	-6	879	779	-754	-1,367	-584	-102	198	-1,043	0	0	-517
80%	-636	0	205	3,069	-163	106	-298	-483	23	-353	0	0	-186
90%	-1,641	633	0	2,216	187	-195	-384	6	64	0	-370	0	-54
Long Term													
Full Simulation Period[a]	1,413	-3,206	609	60	-221	-901	-3,986	-2,327	113	-1,581	-653	-5,645	-1,360
Water Year Types[b]													
Wet (32%)	380	-3,786	1,240	-159	776	259	-6,375	-4,618	17	-2,020	-308	-15,873	-2,539
Above Normal (15%)	1,300	-4,629	1,178	-1,479	-553	-1,894	-6,475	-4,479	-79	-3,207	-578	-8,318	-2,434
Below Normal (17%)	1,641	-4,192	777	-528	-664	-996	-3,856	-1,424	742	-1,139	-1,003	62	-882
Dry (22%)	1,227	-2,470	435	1,366	-936	-2,139	-1,406	216	90	-944	-1,047	904	-392
Critical (15%)	3,778	-477	-1,263	802	-458	-456	-341	-81	-188	-477	-477	2,710	256

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-7-1-17. Sacramento/San Joaquin River Delta, Monthly Outflow Rate

No Action Alternative (LLT)

	Monthly Outflow Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	11,234	15,469	68,167	106,474	135,965	93,131	68,298	39,760	18,601	13,558	6,297	21,250	46,341
20%	10,938	14,343	32,181	75,213	92,435	70,389	44,438	25,887	11,104	12,779	5,570	20,750	35,257
30%	10,578	12,905	16,907	48,241	64,656	49,395	29,251	18,934	10,265	10,830	5,270	17,016	29,149
40%	8,125	10,938	12,033	29,372	51,011	33,034	24,619	14,380	8,874	9,988	4,637	11,875	23,365
50%	7,763	10,182	9,176	22,068	36,623	25,464	18,289	13,070	8,353	8,281	4,154	3,470	15,033
60%	7,263	5,398	7,365	18,568	22,394	19,021	14,930	11,203	8,150	7,694	4,000	3,000	12,836
70%	6,651	4,506	5,502	14,279	18,411	17,306	11,588	10,187	7,383	6,500	4,000	3,000	10,708
80%	5,416	4,500	4,802	10,583	12,804	12,757	10,558	9,666	7,100	5,353	4,000	3,000	9,317
90%	4,675	3,867	4,500	8,795	9,837	9,752	9,922	7,114	6,616	5,000	4,000	3,000	8,196
Long Term													
Full Simulation Period[a]	8,276	10,844	22,113	46,372	56,338	45,097	29,603	19,121	10,560	8,984	4,754	9,754	22,651
Water Year Types[b]													
Wet (32%)	9,520	15,987	45,191	94,620	107,085	84,471	54,562	32,880	15,640	11,407	4,308	20,078	41,312
Above Normal (15%)	8,982	11,529	19,119	51,100	65,873	56,737	30,576	21,709	10,676	12,225	4,713	11,581	25,402
Below Normal (17%)	8,054	8,681	12,231	22,301	36,084	22,467	20,641	13,596	8,943	7,668	5,129	3,428	14,102
Dry (22%)	7,294	8,052	8,828	14,732	21,461	19,985	13,413	10,375	7,689	6,448	5,348	3,021	10,554
Critical (15%)	6,607	5,725	6,560	12,651	12,798	12,215	9,294	6,286	5,632	5,832	4,433	3,036	7,589

Alternative 4 H1 (LLT)

	Monthly Outflow Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	13,170	15,069	64,200	108,247	141,441	94,117	60,176	32,922	19,709	11,004	5,108	6,700	42,559
20%	11,439	5,352	33,872	77,659	89,493	69,467	38,001	21,027	11,462	9,405	4,624	5,131	34,016
30%	10,018	4,604	16,811	43,021	61,818	44,053	23,425	16,800	10,963	8,635	4,252	4,098	27,077
40%	8,928	4,500	14,055	29,754	48,994	32,607	19,429	14,685	9,833	8,000	4,000	3,475	20,212
50%	8,333	4,500	10,530	22,979	33,373	24,332	15,829	13,270	9,290	7,974	4,000	3,000	14,185
60%	7,898	4,500	8,343	19,832	21,376	18,132	13,549	11,908	8,499	6,587	4,000	3,000	12,741
70%	7,582	4,500	7,436	15,388	18,161	15,579	11,537	10,930	7,574	5,349	4,000	3,000	10,286
80%	7,092	4,500	5,713	12,602	12,907	12,060	10,415	10,167	7,240	5,000	4,000	3,000	9,246
90%	5,723	3,572	4,500	10,875	9,996	9,707	9,758	7,122	6,538	5,000	3,662	3,000	8,095
Long Term													
Full Simulation Period[a]	9,029	7,672	23,196	46,481	55,905	43,949	26,575	17,796	10,817	7,538	4,245	4,141	21,445
Water Year Types[b]													
Wet (32%)	9,519	12,651	46,927	94,197	107,182	83,959	49,209	29,306	15,779	9,497	4,000	4,246	38,873
Above Normal (15%)	9,189	7,298	19,935	50,632	65,940	56,524	25,334	19,292	10,996	9,673	4,143	3,279	23,520
Below Normal (17%)	9,393	4,588	13,154	22,233	35,174	20,300	18,543	13,706	9,885	6,619	4,429	3,289	13,443
Dry (22%)	8,223	5,347	9,800	15,634	20,148	17,546	12,706	11,003	7,896	5,574	4,566	4,263	10,225
Critical (15%)	8,594	4,346	6,848	13,503	12,593	11,883	8,949	6,323	5,356	5,177	4,182	5,585	7,778

Alternative 4 H1 (LLT) minus No Action Alternative (LLT)

	Monthly Outflow Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	1,936	-400	-3,967	1,773	5,476	986	-8,123	-6,838	1,108	-2,554	-1,189	-14,550	-3,782
20%	502	-8,991	1,692	2,446	-2,942	-922	-6,437	-4,860	358	-3,374	-946	-15,619	-1,241
30%	-560	-8,301	-96	-5,221	-2,838	-5,343	-5,826	-2,134	698	-2,196	-1,018	-12,918	-2,072
40%	803	-6,437	2,022	382	-2,016	-427	-5,190	305	959	-1,988	-637	-8,400	-3,153
50%	570	-5,682	1,354	911	-3,250	-1,132	-2,461	199	937	-306	-154	-470	-847
60%	635	-898	978	1,265	-1,019	-889	-1,380	706	349	-1,107	0	0	-95
70%	930	-6	1,934	1,109	-250	-1,728	-51	744	191	-1,151	0	0	-422
80%	1,676	0	911	2,019	103	-697	-143	502	140	-353	0	0	-71
90%	1,048	-295	0	2,080	159	-45	-164	9	-78	0	-338	0	-100
Long Term													
Full Simulation Period[a]	753	-3,171	1,083	108	-433	-1,148	-3,028	-1,325	257	-1,446	-509	-5,613	-1,206
Water Year Types[b]													
Wet (32%)	-1	-3,336	1,737	-423	97	-512	-5,353	-3,574	139	-1,909	-308	-15,832	-2,440
Above Normal (15%)	207	-4,231	817	-468	66	-213	-5,242	-2,417	320	-2,552	-570	-8,302	-1,882
Below Normal (17%)	1,339	-4,093	923	-68	-911	-2,167	-2,098	110	942	-1,049	-700	-138	-659
Dry (22%)	929	-2,706	972	901	-1,313	-2,440	-707	628	207	-875	-782	1,242	-329
Critical (15%)	1,987	-1,379	288	852	-205	-332	-344	38	-276	-655	-251	2,549	189

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-7-1-18. Sacramento/San Joaquin River Delta, Monthly Outflow Rate

No Action Alternative (LLT)

	Monthly Outflow Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	11,234	15,469	68,167	106,474	135,965	93,131	68,298	39,760	18,601	13,558	6,297	21,250	46,341
20%	10,938	14,343	32,181	75,213	92,435	70,389	44,438	25,887	11,104	12,779	5,570	20,750	35,257
30%	10,578	12,905	16,907	48,241	64,656	49,395	29,251	18,934	10,265	10,830	5,270	17,016	29,149
40%	8,125	10,938	12,033	29,372	51,011	33,034	24,619	14,380	8,874	9,988	4,637	11,875	23,365
50%	7,763	10,182	9,176	22,068	36,623	25,464	18,289	13,070	8,353	8,281	4,154	3,470	15,033
60%	7,263	5,398	7,365	18,568	22,394	19,021	14,930	11,203	8,150	7,694	4,000	3,000	12,836
70%	6,651	4,506	5,502	14,279	18,411	17,306	11,588	10,187	7,383	6,500	4,000	3,000	10,708
80%	5,416	4,500	4,802	10,583	12,804	12,757	10,558	9,666	7,100	5,353	4,000	3,000	9,317
90%	4,675	3,867	4,500	8,795	9,837	9,752	9,922	7,114	6,616	5,000	4,000	3,000	8,196
Long Term													
Full Simulation Period[a]	8,276	10,844	22,113	46,372	56,338	45,097	29,603	19,121	10,560	8,984	4,754	9,754	22,651
Water Year Types[b]													
Wet (32%)	9,520	15,987	45,191	94,620	107,085	84,471	54,562	32,880	15,640	11,407	4,308	20,078	41,312
Above Normal (15%)	8,982	11,529	19,119	51,100	65,873	56,737	30,576	21,709	10,676	12,225	4,713	11,581	25,402
Below Normal (17%)	8,054	8,681	12,231	22,301	36,084	22,467	20,641	13,596	8,943	7,668	5,129	3,428	14,102
Dry (22%)	7,294	8,052	8,828	14,732	21,461	19,985	13,413	10,375	7,689	6,448	5,348	3,021	10,554
Critical (15%)	6,607	5,725	6,560	12,651	12,798	12,215	9,294	6,286	5,632	5,832	4,433	3,036	7,589

Alternative 4 H2 (LLT)

	Monthly Outflow Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	12,827	15,108	59,827	115,569	139,010	95,283	61,730	43,497	19,527	10,669	5,161	7,093	44,146
20%	11,661	5,489	33,654	71,350	90,338	69,560	43,533	25,040	11,387	9,103	4,389	5,592	36,685
30%	9,432	4,771	17,363	47,210	65,082	44,620	34,043	21,050	10,780	8,022	4,052	4,389	28,011
40%	8,710	4,500	13,779	33,037	49,000	34,808	28,803	18,266	9,615	8,000	4,000	3,934	21,647
50%	8,190	4,500	10,431	23,396	33,324	27,584	24,839	15,151	9,014	8,000	4,000	3,366	16,020
60%	7,967	4,500	7,812	19,523	21,266	22,899	17,607	12,782	8,100	6,596	4,000	3,124	12,773
70%	7,701	4,500	6,427	15,461	18,392	18,669	12,583	10,948	7,392	5,184	4,000	3,000	10,495
80%	7,066	4,500	4,564	14,091	12,737	13,272	10,218	9,989	7,189	5,000	4,000	3,000	9,381
90%	5,565	3,515	4,500	10,923	9,964	10,388	9,715	7,283	6,545	5,000	3,520	3,000	8,067
Long Term													
Full Simulation Period[a]	8,974	7,788	23,368	46,632	56,212	45,967	30,583	19,790	10,637	7,340	4,217	4,438	22,162
Water Year Types[b]													
Wet (32%)	9,395	12,703	48,571	93,786	107,175	86,298	54,424	33,100	15,553	9,171	4,000	4,352	39,877
Above Normal (15%)	9,344	7,476	18,497	50,566	66,792	57,210	32,552	22,440	10,443	8,823	4,011	3,559	24,309
Below Normal (17%)	8,609	5,062	12,843	22,911	36,240	24,750	24,720	15,504	9,925	6,467	4,357	4,026	14,618
Dry (22%)	8,247	5,414	9,520	16,406	20,164	19,292	13,817	11,038	7,756	5,726	4,734	4,389	10,542
Critical (15%)	9,207	4,189	6,685	13,543	12,586	12,104	8,950	6,428	5,335	5,329	3,954	6,061	7,864

Alternative 4 H2 (LLT) minus No Action Alternative (LLT)

	Monthly Outflow Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	1,592	-360	-8,341	9,095	3,044	2,153	-6,568	3,737	926	-2,889	-1,136	-14,157	-2,195
20%	724	-8,855	1,473	-3,863	-2,097	-830	-906	-847	283	-3,675	-1,182	-15,158	1,428
30%	-1,146	-8,134	456	-1,031	426	-4,775	4,792	2,116	515	-2,809	-1,218	-12,626	-1,138
40%	585	-6,437	1,746	3,665	-2,011	1,774	4,184	3,885	741	-1,988	-637	-7,941	-1,718
50%	427	-5,682	1,256	1,328	-3,300	2,120	6,550	2,081	661	-281	-154	-104	987
60%	704	-898	447	956	-1,129	3,878	2,677	1,579	-51	-1,097	0	124	-63
70%	1,049	-6	925	1,182	-19	1,363	995	762	9	-1,316	0	0	-213
80%	1,650	0	-238	3,508	-67	515	-339	324	89	-353	0	0	65
90%	890	-352	0	2,128	127	636	-208	169	-71	0	-480	0	-128
Long Term													
Full Simulation Period[a]	698	-3,056	1,255	260	-126	870	980	669	77	-1,644	-537	-5,315	-489
Water Year Types[b]													
Wet (32%)	-125	-3,284	3,380	-833	90	1,826	-138	220	-87	-2,236	-308	-15,726	-1,435
Above Normal (15%)	362	-4,053	-622	-533	919	472	1,976	731	-233	-3,402	-703	-8,023	-1,092
Below Normal (17%)	556	-3,620	612	610	156	2,283	4,079	1,908	982	-1,201	-772	598	516
Dry (22%)	953	-2,638	692	1,674	-1,297	-693	404	663	67	-722	-613	1,368	-12
Critical (15%)	2,600	-1,536	124	892	-212	-111	-344	142	-297	-503	-479	3,025	275

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-7-1-19. Sacramento/San Joaquin River Delta, Monthly Outflow Rate

No Action Alternative (LLT)

	Monthly Outflow Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	11,234	15,469	68,167	106,474	135,965	93,131	68,298	39,760	18,601	13,558	6,297	21,250	46,341
20%	10,938	14,343	32,181	75,213	92,435	70,389	44,438	25,887	11,104	12,779	5,570	20,750	35,257
30%	10,578	12,905	16,907	48,241	64,656	49,395	29,251	18,934	10,265	10,830	5,270	17,016	29,149
40%	8,125	10,938	12,033	29,372	51,011	33,034	24,619	14,380	8,874	9,988	4,637	11,875	23,365
50%	7,763	10,182	9,176	22,068	36,623	25,464	18,289	13,070	8,353	8,281	4,154	3,470	15,033
60%	7,263	5,398	7,365	18,568	22,394	19,021	14,930	11,203	8,150	7,694	4,000	3,000	12,836
70%	6,651	4,506	5,502	14,279	18,411	17,306	11,588	10,187	7,383	6,500	4,000	3,000	10,708
80%	5,416	4,500	4,802	10,583	12,804	12,757	10,558	9,666	7,100	5,353	4,000	3,000	9,317
90%	4,675	3,867	4,500	8,795	9,837	9,752	9,922	7,114	6,616	5,000	4,000	3,000	8,196
Long Term													
Full Simulation Period[a]	8,276	10,844	22,113	46,372	56,338	45,097	29,603	19,121	10,560	8,984	4,754	9,754	22,651
Water Year Types[b]													
Wet (32%)	9,520	15,987	45,191	94,620	107,085	84,471	54,562	32,880	15,640	11,407	4,308	20,078	41,312
Above Normal (15%)	8,982	11,529	19,119	51,100	65,873	56,737	30,576	21,709	10,676	12,225	4,713	11,581	25,402
Below Normal (17%)	8,054	8,681	12,231	22,301	36,084	22,467	20,641	13,596	8,943	7,668	5,129	3,428	14,102
Dry (22%)	7,294	8,052	8,828	14,732	21,461	19,985	13,413	10,375	7,689	6,448	5,348	3,021	10,554
Critical (15%)	6,607	5,725	6,560	12,651	12,798	12,215	9,294	6,286	5,632	5,832	4,433	3,036	7,589

Alternative 4 H3 (LLT)

	Monthly Outflow Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	12,773	16,844	60,010	103,246	134,414	94,765	60,789	32,920	19,706	11,192	5,024	22,500	43,688
20%	11,220	14,514	30,270	73,944	91,327	67,586	37,925	21,025	11,327	9,547	4,560	21,875	34,554
30%	10,752	12,905	16,605	42,626	60,788	41,393	23,405	16,868	10,960	8,674	4,230	18,859	27,698
40%	10,465	11,438	12,945	27,476	48,669	32,545	19,480	14,599	9,748	8,000	4,000	13,344	22,132
50%	10,117	10,162	10,807	22,789	33,380	22,492	15,716	13,243	9,125	8,000	4,000	6,738	14,390
60%	8,641	4,500	7,585	16,938	21,307	17,826	13,292	11,850	8,445	6,690	4,000	4,537	12,697
70%	7,600	4,500	5,624	14,128	18,237	15,095	11,417	10,908	7,600	5,571	4,000	4,002	10,350
80%	7,179	4,500	4,504	12,809	12,703	13,266	10,288	10,041	7,159	5,000	4,000	3,000	9,532
90%	5,873	3,500	4,500	10,991	9,923	9,772	9,766	7,123	6,679	5,000	3,595	3,000	8,396
Long Term													
Full Simulation Period[a]	9,510	10,728	21,867	44,827	55,165	43,308	26,460	17,821	10,751	7,616	4,218	10,995	21,939
Water Year Types[b]													
Wet (32%)	10,426	16,170	44,012	90,641	106,277	82,968	48,976	29,273	15,740	9,598	4,000	21,394	39,956
Above Normal (15%)	9,706	11,000	19,129	48,151	64,056	55,231	25,403	19,367	11,054	9,670	4,152	12,634	24,129
Below Normal (17%)	10,040	8,264	12,206	21,625	34,067	19,621	18,412	13,853	9,653	6,872	4,449	3,365	13,536
Dry (22%)	8,387	7,912	9,510	15,382	20,243	17,463	12,615	11,035	7,816	5,494	4,556	4,201	10,384
Critical (15%)	8,393	5,764	6,430	13,475	12,528	11,862	8,887	6,271	5,320	5,319	3,983	5,916	7,846

Alternative 4 H3 (LLT) minus No Action Alternative (LLT)

	Monthly Outflow Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	1,538	1,375	-8,157	-3,227	-1,552	1,634	-7,510	-6,839	1,105	-2,366	-1,274	1,250	-2,653
20%	282	171	-1,911	-1,269	-1,108	-2,804	-6,514	-4,862	223	-3,231	-1,011	1,125	-703
30%	174	0	-302	-5,615	-3,868	-8,003	-5,846	-2,065	694	-2,156	-1,040	1,844	-1,451
40%	2,340	500	912	-1,896	-2,342	-489	-5,139	218	874	-1,988	-637	1,469	-1,233
50%	2,355	-20	1,631	721	-3,244	-2,972	-2,573	173	772	-281	-154	3,268	-643
60%	1,378	-898	220	-1,630	-1,087	-1,195	-1,638	647	295	-1,003	0	1,537	-139
70%	949	-6	122	-151	-174	-2,212	-170	721	216	-929	0	1,002	-357
80%	1,763	0	-297	2,226	-101	510	-270	376	59	-353	0	0	215
90%	1,198	-367	0	2,196	86	21	-156	10	63	0	-405	0	200
Long Term													
Full Simulation Period[a]	1,234	-116	-246	-1,545	-1,174	-1,789	-3,143	-1,300	191	-1,368	-536	1,241	-713
Water Year Types[b]													
Wet (32%)	906	182	-1,178	-3,978	-809	-1,504	-5,586	-3,608	101	-1,808	-308	1,316	-1,356
Above Normal (15%)	724	-528	10	-2,949	-1,817	-1,507	-5,173	-2,343	378	-2,554	-561	1,053	-1,272
Below Normal (17%)	1,986	-417	-26	-676	-2,017	-2,846	-2,229	257	710	-796	-681	-63	-566
Dry (22%)	1,093	-140	682	649	-1,218	-2,523	-798	660	127	-954	-792	1,179	-170
Critical (15%)	1,787	39	-130	824	-270	-353	-406	-15	-312	-514	-451	2,881	257

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-7-1-20. Sacramento/San Joaquin River Delta, Monthly Outflow Rate

No Action Alternative (LLT)

	Monthly Outflow Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	11,234	15,469	68,167	106,474	135,965	93,131	68,298	39,760	18,601	13,558	6,297	21,250	46,341
20%	10,938	14,343	32,181	75,213	92,435	70,389	44,438	25,887	11,104	12,779	5,570	20,750	35,257
30%	10,578	12,905	16,907	48,241	64,656	49,395	29,251	18,934	10,265	10,830	5,270	17,016	29,149
40%	8,125	10,938	12,033	29,372	51,011	33,034	24,619	14,380	8,874	9,988	4,637	11,875	23,365
50%	7,763	10,182	9,176	22,068	36,623	25,464	18,289	13,070	8,353	8,281	4,154	3,470	15,033
60%	7,263	5,398	7,365	18,568	22,394	19,021	14,930	11,203	8,150	7,694	4,000	3,000	12,836
70%	6,651	4,506	5,502	14,279	18,411	17,306	11,588	10,187	7,383	6,500	4,000	3,000	10,708
80%	5,416	4,500	4,802	10,583	12,804	12,757	10,558	9,666	7,100	5,353	4,000	3,000	9,317
90%	4,675	3,867	4,500	8,795	9,837	9,752	9,922	7,114	6,616	5,000	4,000	3,000	8,196
Long Term													
Full Simulation Period[a]	8,276	10,844	22,113	46,372	56,338	45,097	29,603	19,121	10,560	8,984	4,754	9,754	22,651
Water Year Types[b]													
Wet (32%)	9,520	15,987	45,191	94,620	107,085	84,471	54,562	32,880	15,640	11,407	4,308	20,078	41,312
Above Normal (15%)	8,982	11,529	19,119	51,100	65,873	56,737	30,576	21,709	10,676	12,225	4,713	11,581	25,402
Below Normal (17%)	8,054	8,681	12,231	22,301	36,084	22,467	20,641	13,596	8,943	7,668	5,129	3,428	14,102
Dry (22%)	7,294	8,052	8,828	14,732	21,461	19,985	13,413	10,375	7,689	6,448	5,348	3,021	10,554
Critical (15%)	6,607	5,725	6,560	12,651	12,798	12,215	9,294	6,286	5,632	5,832	4,433	3,036	7,589

Alternative 4 H4 (LLT)

	Monthly Outflow Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	12,865	16,844	61,802	112,513	138,514	95,288	62,100	43,493	19,567	10,693	5,274	22,344	45,435
20%	11,252	14,514	30,734	70,284	90,153	68,967	43,538	25,033	11,416	9,839	4,450	21,875	37,277
30%	10,625	12,905	17,126	42,693	62,970	45,237	33,858	21,163	10,934	8,065	4,023	19,000	28,218
40%	10,437	11,563	13,438	27,655	50,743	33,903	29,069	17,914	9,717	8,000	4,000	13,125	22,907
50%	10,039	9,942	10,077	22,103	33,431	26,595	24,759	15,089	8,805	8,000	4,000	7,414	15,877
60%	8,609	4,556	7,622	15,940	21,103	22,602	17,619	12,537	7,817	6,500	4,000	5,558	13,112
70%	7,643	4,500	4,877	14,058	18,311	17,734	11,959	11,015	7,319	5,394	4,000	4,114	10,422
80%	6,777	4,500	4,507	12,664	12,833	13,272	10,331	9,977	7,177	5,000	4,000	3,197	9,669
90%	5,563	3,864	4,500	9,839	9,964	10,244	9,907	7,283	6,443	5,000	3,716	3,000	8,530
Long Term													
Full Simulation Period[a]	9,406	10,834	21,953	45,034	55,360	45,354	30,470	19,738	10,602	7,497	4,227	11,237	22,643
Water Year Types[b]													
Wet (32%)	10,486	15,936	44,930	91,842	105,863	85,415	54,124	33,155	15,400	9,458	4,000	21,406	41,001
Above Normal (15%)	10,114	11,214	18,426	48,071	64,680	56,124	32,730	22,438	10,508	9,138	4,000	12,895	25,028
Below Normal (17%)	9,244	8,673	11,990	22,124	35,059	23,915	24,384	15,221	9,927	6,748	4,363	3,717	14,614
Dry (22%)	8,199	8,097	9,506	15,064	20,350	19,249	13,822	10,955	7,772	5,608	4,729	4,651	10,667
Critical (15%)	8,359	6,031	5,989	12,262	12,818	11,957	9,029	6,414	5,333	5,313	4,034	6,200	7,812

Alternative 4 H4 (LLT) minus No Action Alternative (LLT)

	Monthly Outflow Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	1,631	1,375	-6,365	6,039	2,549	2,157	-6,198	3,733	966	-2,865	-1,023	1,094	-906
20%	315	171	-1,447	-4,930	-2,282	-1,422	-900	-853	312	-2,940	-1,120	1,125	2,020
30%	47	0	219	-5,548	-1,686	-4,159	4,607	2,229	669	-2,765	-1,247	1,984	-931
40%	2,312	625	1,405	-1,717	-268	869	4,451	3,534	844	-1,988	-637	1,250	-458
50%	2,276	-240	901	35	-3,193	1,131	6,470	2,018	452	-281	-154	3,944	844
60%	1,346	-842	257	-2,628	-1,291	3,581	2,689	1,335	-334	-1,194	0	2,558	276
70%	992	-6	-625	-221	-100	427	371	828	-64	-1,106	0	1,114	-286
80%	1,360	0	-295	2,080	28	515	-226	312	77	-353	0	197	352
90%	888	-3	0	1,044	127	492	-16	169	-173	0	-284	0	335
Long Term													
Full Simulation Period[a]	1,130	-9	-160	-1,338	-978	257	867	617	42	-1,487	-527	1,484	-9
Water Year Types[b]													
Wet (32%)	966	-51	-261	-2,778	-1,222	944	-438	274	-240	-1,949	-308	1,328	-311
Above Normal (15%)	1,132	-315	-693	-3,029	-1,193	-613	2,154	728	-168	-3,086	-713	1,314	-374
Below Normal (17%)	1,190	-9	-241	-177	-1,026	1,447	3,743	1,625	984	-920	-766	289	512
Dry (22%)	905	44	678	332	-1,111	-737	409	580	83	-840	-618	1,630	113
Critical (15%)	1,752	306	-572	-388	20	-258	-264	128	-298	-519	-399	3,164	223

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-7-1-21. Sacramento/San Joaquin River Delta, Monthly Outflow Rate

No Action Alternative (LLT)

	Monthly Outflow Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	11,234	15,469	68,167	106,474	135,965	93,131	68,298	39,760	18,601	13,558	6,297	21,250	46,341
20%	10,938	14,343	32,181	75,213	92,435	70,389	44,438	25,887	11,104	12,779	5,570	20,750	35,257
30%	10,578	12,905	16,907	48,241	64,656	49,395	29,251	18,934	10,265	10,830	5,270	17,016	29,149
40%	8,125	10,938	12,033	29,372	51,011	33,034	24,619	14,380	8,874	9,988	4,637	11,875	23,365
50%	7,763	10,182	9,176	22,068	36,623	25,464	18,289	13,070	8,353	8,281	4,154	3,470	15,033
60%	7,263	5,398	7,365	18,568	22,394	19,021	14,930	11,203	8,150	7,694	4,000	3,000	12,836
70%	6,651	4,506	5,502	14,279	18,411	17,306	11,588	10,187	7,383	6,500	4,000	3,000	10,708
80%	5,416	4,500	4,802	10,583	12,804	12,757	10,558	9,666	7,100	5,353	4,000	3,000	9,317
90%	4,675	3,867	4,500	8,795	9,837	9,752	9,922	7,114	6,616	5,000	4,000	3,000	8,196
Long Term													
Full Simulation Period[a]	8,276	10,844	22,113	46,372	56,338	45,097	29,603	19,121	10,560	8,984	4,754	9,754	22,651
Water Year Types[b]													
Wet (32%)	9,520	15,987	45,191	94,620	107,085	84,471	54,562	32,880	15,640	11,407	4,308	20,078	41,312
Above Normal (15%)	8,982	11,529	19,119	51,100	65,873	56,737	30,576	21,709	10,676	12,225	4,713	11,581	25,402
Below Normal (17%)	8,054	8,681	12,231	22,301	36,084	22,467	20,641	13,596	8,943	7,668	5,129	3,428	14,102
Dry (22%)	7,294	8,052	8,828	14,732	21,461	19,985	13,413	10,375	7,689	6,448	5,348	3,021	10,554
Critical (15%)	6,607	5,725	6,560	12,651	12,798	12,215	9,294	6,286	5,632	5,832	4,433	3,036	7,589

Alternative 5 (LLT)

	Monthly Outflow Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	11,955	16,563	62,552	107,024	139,372	91,131	65,294	36,763	18,683	11,944	4,667	22,188	44,901
20%	11,381	14,278	28,712	77,296	91,353	68,646	41,395	22,675	11,388	10,459	4,364	21,844	34,533
30%	10,639	12,870	16,181	45,244	61,782	46,778	26,417	17,318	10,334	9,692	4,213	18,531	28,428
40%	10,608	11,732	12,139	26,978	50,516	31,996	21,654	13,861	9,539	8,189	4,065	13,281	22,527
50%	10,156	11,250	8,430	20,828	35,469	22,799	16,473	13,028	8,688	8,000	4,000	6,407	14,503
60%	9,624	5,159	5,886	17,420	21,226	17,605	13,699	11,443	8,281	7,301	4,000	5,148	12,738
70%	7,188	4,500	4,813	14,227	17,990	16,164	11,663	10,589	7,508	6,145	4,000	3,789	10,193
80%	6,563	4,500	4,500	12,200	12,875	12,125	10,249	9,688	7,182	5,020	4,000	3,208	9,169
90%	3,969	4,500	4,500	9,193	10,005	9,730	9,769	7,114	7,100	5,000	3,667	3,000	8,299
Long Term													
Full Simulation Period[a]	9,215	10,903	21,239	45,329	55,703	43,787	28,055	18,311	10,459	8,014	4,172	10,886	22,173
Water Year Types[b]													
Wet (32%)	9,497	16,183	44,095	92,918	106,883	82,780	51,869	30,921	15,255	10,126	4,083	21,214	40,485
Above Normal (15%)	9,662	10,711	18,315	48,498	65,157	56,211	28,304	20,477	10,452	9,951	4,107	12,809	24,555
Below Normal (17%)	10,743	8,337	11,411	21,633	34,621	20,387	19,390	13,223	9,354	7,272	4,576	3,513	13,705
Dry (22%)	7,940	8,615	8,014	14,337	20,803	18,580	12,737	10,742	7,785	5,888	4,230	3,885	10,296
Critical (15%)	8,289	6,083	5,944	13,186	12,302	11,991	9,293	6,113	5,373	5,552	3,871	5,691	7,807

Alternative 5 (LLT) minus No Action Alternative (LLT)

	Monthly Outflow Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	721	1,094	-5,616	550	3,407	-2,000	-3,004	-2,996	82	-1,614	-1,630	938	-1,440
20%	443	-65	-3,469	2,082	-1,082	-1,743	-3,044	-3,211	284	-2,320	-1,206	1,094	-724
30%	61	-35	-727	-2,998	-2,874	-2,617	-2,834	-1,615	69	-1,139	-1,057	1,516	-721
40%	2,483	794	105	-2,395	-495	-1,038	-2,965	-519	665	-1,799	-572	1,406	-838
50%	2,394	1,068	-746	-1,240	-1,154	-2,665	-1,816	-42	335	-281	-154	2,937	-530
60%	2,361	-239	-1,479	-1,148	-1,168	-1,415	-1,231	241	130	-393	0	2,148	-98
70%	536	-6	-689	-52	-420	-1,142	75	403	124	-355	0	789	-515
80%	1,146	0	-302	1,617	71	-632	-309	22	82	-333	0	208	-147
90%	-706	633	0	398	169	-22	-153	0	484	0	-333	0	103
Long Term													
Full Simulation Period[a]	939	59	-874	-1,043	-636	-1,310	-1,548	-810	-101	-970	-582	1,133	-479
Water Year Types[b]													
Wet (32%)	-23	195	-1,096	-1,702	-203	-1,692	-2,693	-1,959	-385	-1,281	-225	1,136	-827
Above Normal (15%)	680	-817	-804	-2,602	-716	-527	-2,272	-1,232	-224	-2,273	-607	1,227	-847
Below Normal (17%)	2,689	-345	-820	-668	-1,463	-2,080	-1,251	-373	411	-395	-553	85	-397
Dry (22%)	646	563	-814	-395	-658	-1,406	-676	367	96	-560	-1,118	864	-258
Critical (15%)	1,682	358	-616	535	-496	-224	-1	-172	-259	-280	-562	2,655	218

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-7-1-22. Sacramento/San Joaquin River Delta, Monthly Outflow Rate

No Action Alternative (LLT)

	Monthly Outflow Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	11,234	15,469	68,167	106,474	135,965	93,131	68,298	39,760	18,601	13,558	6,297	21,250	46,341
20%	10,938	14,343	32,181	75,213	92,435	70,389	44,438	25,887	11,104	12,779	5,570	20,750	35,257
30%	10,578	12,905	16,907	48,241	64,656	49,395	29,251	18,934	10,265	10,830	5,270	17,016	29,149
40%	8,125	10,938	12,033	29,372	51,011	33,034	24,619	14,380	8,874	9,988	4,637	11,875	23,365
50%	7,763	10,182	9,176	22,068	36,623	25,464	18,289	13,070	8,353	8,281	4,154	3,470	15,033
60%	7,263	5,398	7,365	18,568	22,394	19,021	14,930	11,203	8,150	7,694	4,000	3,000	12,836
70%	6,651	4,506	5,502	14,279	18,411	17,306	11,588	10,187	7,383	6,500	4,000	3,000	10,708
80%	5,416	4,500	4,802	10,583	12,804	12,757	10,558	9,666	7,100	5,353	4,000	3,000	9,317
90%	4,675	3,867	4,500	8,795	9,837	9,752	9,922	7,114	6,616	5,000	4,000	3,000	8,196
Long Term													
Full Simulation Period[a]	8,276	10,844	22,113	46,372	56,338	45,097	29,603	19,121	10,560	8,984	4,754	9,754	22,651
Water Year Types[b]													
Wet (32%)	9,520	15,987	45,191	94,620	107,085	84,471	54,562	32,880	15,640	11,407	4,308	20,078	41,312
Above Normal (15%)	8,982	11,529	19,119	51,100	65,873	56,737	30,576	21,709	10,676	12,225	4,713	11,581	25,402
Below Normal (17%)	8,054	8,681	12,231	22,301	36,084	22,467	20,641	13,596	8,943	7,668	5,129	3,428	14,102
Dry (22%)	7,294	8,052	8,828	14,732	21,461	19,985	13,413	10,375	7,689	6,448	5,348	3,021	10,554
Critical (15%)	6,607	5,725	6,560	12,651	12,798	12,215	9,294	6,286	5,632	5,832	4,433	3,036	7,589

Alternative 6A,6B,6C (LLT)

	Monthly Outflow Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	12,031	16,391	67,882	110,802	137,025	93,282	60,394	32,236	18,583	10,986	8,156	19,047	44,563
20%	11,710	14,680	38,527	74,544	86,416	68,552	38,112	20,727	11,579	10,040	7,503	18,250	35,459
30%	11,250	13,091	24,449	42,909	63,225	43,846	24,863	17,129	11,201	8,563	7,168	14,141	28,895
40%	9,353	11,446	19,570	30,019	48,064	32,113	20,312	15,209	9,940	8,000	6,909	10,625	22,939
50%	8,910	10,438	16,560	25,619	35,712	25,662	17,200	13,396	9,266	6,500	6,725	8,238	16,394
60%	8,485	9,470	14,941	21,764	24,839	20,583	14,841	11,958	8,569	6,094	6,435	7,758	14,391
70%	8,330	9,125	12,527	17,393	20,215	18,618	12,203	10,721	7,288	5,390	6,271	7,472	12,599
80%	7,882	8,790	10,557	15,190	18,362	15,916	11,203	9,560	7,101	5,027	6,121	7,342	11,615
90%	6,695	8,082	9,416	13,564	13,825	11,961	10,250	7,408	6,795	4,961	5,972	6,984	10,230
Long Term													
Full Simulation Period[a]	9,572	13,287	28,371	48,176	56,687	44,876	26,832	17,816	10,901	7,540	6,885	11,246	23,516
Water Year Types[b]													
Wet (32%)	11,074	18,182	51,686	94,769	104,601	83,139	48,717	29,229	15,955	10,646	7,832	17,912	41,145
Above Normal (15%)	8,845	13,690	25,345	51,251	64,997	55,557	25,657	19,228	10,916	8,256	7,063	11,296	25,175
Below Normal (17%)	9,725	11,016	18,894	25,038	37,249	23,090	19,096	13,955	9,954	6,206	6,607	7,953	15,732
Dry (22%)	8,812	10,576	15,734	18,876	23,616	20,583	13,573	10,822	7,695	5,376	6,286	7,570	12,460
Critical (15%)	8,006	8,995	10,890	15,092	16,845	13,148	9,507	6,672	5,846	4,898	5,876	6,108	9,324

Alternative 6A,6B,6C (LLT) minus No Action Alternative (LLT)

	Monthly Outflow Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	797	922	-285	4,329	1,059	151	-7,904	-7,523	-19	-2,572	1,859	-2,203	-1,778
20%	772	336	6,347	-669	-6,019	-1,837	-6,326	-5,159	475	-2,739	1,932	-2,500	202
30%	672	186	7,541	-5,332	-1,430	-5,549	-4,388	-1,804	935	-2,267	1,899	-2,875	-255
40%	1,228	508	7,537	646	-2,947	-921	-4,307	828	1,066	-1,988	2,272	-1,250	-425
50%	1,147	256	7,384	3,552	-911	198	-1,089	326	913	-1,781	2,571	4,768	1,362
60%	1,222	4,072	7,576	3,196	2,445	1,562	-89	756	419	-1,600	2,435	4,758	1,555
70%	1,678	4,620	7,025	3,114	1,804	1,312	615	534	-95	-1,110	2,271	4,472	1,892
80%	2,465	4,290	5,756	4,607	5,557	3,159	645	-106	1	-326	2,121	4,342	2,298
90%	2,020	4,215	4,916	4,769	3,988	2,209	328	295	179	-39	1,972	3,984	2,034
Long Term													
Full Simulation Period[a]	1,296	2,443	6,258	1,804	348	-221	-2,771	-1,305	340	-1,444	2,130	1,492	864
Water Year Types[b]													
Wet (32%)	1,554	2,194	6,496	149	-2,484	-1,332	-5,845	-3,651	316	-760	3,524	-2,166	-167
Above Normal (15%)	-137	2,161	6,226	151	-876	-1,180	-4,919	-2,481	240	-3,968	2,350	-285	-227
Below Normal (17%)	1,671	2,334	6,663	2,737	1,165	623	-1,545	360	1,011	-1,462	1,478	4,525	1,630
Dry (22%)	1,518	2,524	6,906	4,144	2,154	598	159	447	6	-1,073	938	4,549	1,906
Critical (15%)	1,399	3,270	4,330	2,441	4,048	933	213	387	214	-934	1,443	3,072	1,735

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-7-1-23. Sacramento/San Joaquin River Delta, Monthly Outflow Rate

No Action Alternative (LLT)

	Monthly Outflow Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	11,234	15,469	68,167	106,474	135,965	93,131	68,298	39,760	18,601	13,558	6,297	21,250	46,341
20%	10,938	14,343	32,181	75,213	92,435	70,389	44,438	25,887	11,104	12,779	5,570	20,750	35,257
30%	10,578	12,905	16,907	48,241	64,656	49,395	29,251	18,934	10,265	10,830	5,270	17,016	29,149
40%	8,125	10,938	12,033	29,372	51,011	33,034	24,619	14,380	8,874	9,988	4,637	11,875	23,365
50%	7,763	10,182	9,176	22,068	36,623	25,464	18,289	13,070	8,353	8,281	4,154	3,470	15,033
60%	7,263	5,398	7,365	18,568	22,394	19,021	14,930	11,203	8,150	7,694	4,000	3,000	12,836
70%	6,651	4,506	5,502	14,279	18,411	17,306	11,588	10,187	7,383	6,500	4,000	3,000	10,708
80%	5,416	4,500	4,802	10,583	12,804	12,757	10,558	9,666	7,100	5,353	4,000	3,000	9,317
90%	4,675	3,867	4,500	8,795	9,837	9,752	9,922	7,114	6,616	5,000	4,000	3,000	8,196
Long Term													
Full Simulation Period[a]	8,276	10,844	22,113	46,372	56,338	45,097	29,603	19,121	10,560	8,984	4,754	9,754	22,651
Water Year Types[b]													
Wet (32%)	9,520	15,987	45,191	94,620	107,085	84,471	54,562	32,880	15,640	11,407	4,308	20,078	41,312
Above Normal (15%)	8,982	11,529	19,119	51,100	65,873	56,737	30,576	21,709	10,676	12,225	4,713	11,581	25,402
Below Normal (17%)	8,054	8,681	12,231	22,301	36,084	22,467	20,641	13,596	8,943	7,668	5,129	3,428	14,102
Dry (22%)	7,294	8,052	8,828	14,732	21,461	19,985	13,413	10,375	7,689	6,448	5,348	3,021	10,554
Critical (15%)	6,607	5,725	6,560	12,651	12,798	12,215	9,294	6,286	5,632	5,832	4,433	3,036	7,589

Alternative 7 (LLT)

	Monthly Outflow Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	11,563	17,669	70,411	111,391	137,868	90,385	61,590	34,539	19,678	10,084	5,905	22,328	45,514
20%	11,218	15,772	36,466	77,358	89,720	68,759	38,796	21,189	12,734	9,064	5,094	21,813	35,686
30%	10,625	13,234	23,821	46,091	61,923	44,251	25,886	18,043	11,598	8,000	4,899	18,844	29,455
40%	10,155	11,744	19,622	29,430	52,117	32,960	21,231	15,241	10,939	8,000	4,595	13,313	23,288
50%	9,789	10,355	16,564	25,639	36,120	26,007	17,427	13,507	10,261	7,554	4,331	5,144	16,402
60%	9,301	9,606	15,023	21,751	25,206	21,585	14,951	11,715	9,555	5,634	4,000	4,276	14,292
70%	8,994	9,295	12,700	17,152	20,459	18,830	12,244	10,601	8,434	5,000	4,000	3,534	12,335
80%	8,448	8,778	10,596	15,282	18,458	16,242	11,235	9,496	7,956	5,000	4,000	3,000	11,369
90%	7,555	8,231	9,408	13,497	13,706	12,257	10,129	7,474	7,808	4,000	4,000	3,000	10,044
Long Term													
Full Simulation Period[a]	9,985	13,615	28,051	48,341	57,700	45,036	27,689	18,464	11,896	7,017	4,639	10,704	23,595
Water Year Types[b]													
Wet (32%)	11,283	18,896	50,675	94,893	106,490	82,488	50,278	30,448	16,851	8,901	4,094	21,382	41,390
Above Normal (15%)	9,951	14,044	25,485	52,008	66,637	55,835	27,043	20,300	12,100	9,030	4,261	12,678	25,781
Below Normal (17%)	9,712	11,086	18,729	25,257	37,697	24,012	19,625	13,961	10,672	6,491	5,172	3,449	15,489
Dry (22%)	9,269	10,699	15,677	18,681	24,038	21,177	13,822	10,739	8,353	5,318	5,004	3,749	12,211
Critical (15%)	8,596	9,072	11,033	15,233	16,881	13,406	9,600	7,502	7,699	4,083	5,028	4,490	9,385

Alternative 7 (LLT) minus No Action Alternative (LLT)

	Monthly Outflow Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	328	2,201	2,243	4,918	1,903	**-2,745**	**-6,708**	**-5,221**	1,077	**-3,474**	**-392**	1,078	**-827**
20%	281	1,428	4,286	2,144	**-2,715**	**-1,630**	**-5,642**	**-4,698**	1,630	**-3,715**	**-476**	1,063	428
30%	47	329	6,914	**-2,150**	**-2,733**	**-5,144**	**-3,365**	**-890**	1,333	**-2,830**	**-371**	1,828	306
40%	2,030	806	7,589	57	1,107	**-74**	**-3,388**	860	2,065	**-1,988**	**-42**	1,438	**-77**
50%	2,027	173	7,388	3,571	**-503**	543	**-863**	437	1,909	**-727**	177	1,674	1,369
60%	2,038	4,208	7,657	3,183	2,811	2,564	22	513	1,405	**-2,059**	**0**	1,276	1,456
70%	2,342	4,789	7,198	2,872	2,048	1,524	657	414	1,051	**-1,500**	0	534	1,628
80%	3,032	4,278	5,795	4,699	5,654	3,486	677	**-170**	856	**-353**	0	0	2,052
90%	2,880	4,364	4,908	4,702	3,869	2,506	207	360	1,192	**-1,000**	0	0	1,849
Long Term													
Full Simulation Period[a]	1,709	2,772	5,938	1,969	1,362	**-61**	**-1,914**	**-657**	1,336	**-1,967**	**-115**	950	943
Water Year Types[b]													
Wet (32%)	1,763	2,908	5,484	274	**-595**	**-1,983**	**-4,284**	**-2,433**	1,211	**-2,505**	**-214**	1,304	78
Above Normal (15%)	969	2,515	6,366	908	763	**-903**	**-3,533**	**-1,409**	1,424	**-3,194**	**-453**	1,097	379
Below Normal (17%)	1,658	2,405	6,498	2,956	1,613	1,545	**-1,016**	365	1,729	**-1,177**	43	21	1,387
Dry (22%)	1,975	2,646	6,849	3,949	2,576	1,192	409	363	664	**-1,131**	**-343**	727	1,656
Critical (15%)	1,989	3,347	4,473	2,582	4,084	1,191	306	1,216	2,067	**-1,749**	595	1,455	1,796

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-7-1-24. Sacramento/San Joaquin River Delta, Monthly Outflow Rate

No Action Alternative (LLT)

	Monthly Outflow Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	11,234	15,469	68,167	106,474	135,965	93,131	68,298	39,760	18,601	13,558	6,297	21,250	46,341
20%	10,938	14,343	32,181	75,213	92,435	70,389	44,438	25,887	11,104	12,779	5,570	20,750	35,257
30%	10,578	12,905	16,907	48,241	64,656	49,395	29,251	18,934	10,265	10,830	5,270	17,016	29,149
40%	8,125	10,938	12,033	29,372	51,011	33,034	24,619	14,380	8,874	9,988	4,637	11,875	23,365
50%	7,763	10,182	9,176	22,068	36,623	25,464	18,289	13,070	8,353	8,281	4,154	3,470	15,033
60%	7,263	5,398	7,365	18,568	22,394	19,021	14,930	11,203	8,150	7,694	4,000	3,000	12,836
70%	6,651	4,506	5,502	14,279	18,411	17,306	11,588	10,187	7,383	6,500	4,000	3,000	10,708
80%	5,416	4,500	4,802	10,583	12,804	12,757	10,558	9,666	7,100	5,353	4,000	3,000	9,317
90%	4,675	3,867	4,500	8,795	9,837	9,752	9,922	7,114	6,616	5,000	4,000	3,000	8,196
Long Term													
Full Simulation Period[a]	8,276	10,844	22,113	46,372	56,338	45,097	29,603	19,121	10,560	8,984	4,754	9,754	22,651
Water Year Types[b]													
Wet (32%)	9,520	15,987	45,191	94,620	107,085	84,471	54,562	32,880	15,640	11,407	4,308	20,078	41,312
Above Normal (15%)	8,982	11,529	19,119	51,100	65,873	56,737	30,576	21,709	10,676	12,225	4,713	11,581	25,402
Below Normal (17%)	8,054	8,681	12,231	22,301	36,084	22,467	20,641	13,596	8,943	7,668	5,129	3,428	14,102
Dry (22%)	7,294	8,052	8,828	14,732	21,461	19,985	13,413	10,375	7,689	6,448	5,348	3,021	10,554
Critical (15%)	6,607	5,725	6,560	12,651	12,798	12,215	9,294	6,286	5,632	5,832	4,433	3,036	7,589

Alternative 8 (LLT)

	Monthly Outflow Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	11,607	16,875	65,462	116,334	135,095	90,300	68,018	39,862	19,926	8,963	4,919	22,500	46,704
20%	11,063	15,092	38,555	74,226	90,162	69,080	44,201	28,341	13,462	8,000	4,602	21,875	36,344
30%	10,469	13,234	23,745	51,612	68,560	47,697	32,954	21,998	11,425	8,000	4,219	19,109	30,277
40%	10,094	11,438	19,213	33,154	54,489	34,062	27,400	19,968	10,593	8,000	4,000	13,625	25,742
50%	9,294	10,504	16,263	29,471	40,213	29,732	23,556	17,971	9,761	6,500	4,000	4,680	17,807
60%	8,802	9,817	14,982	22,235	27,397	25,311	21,285	15,850	8,585	5,000	4,000	3,929	15,893
70%	8,396	9,495	12,313	18,047	23,320	22,570	17,604	12,714	7,999	5,000	4,000	3,293	13,908
80%	7,820	9,287	10,627	15,606	20,833	18,723	16,008	10,746	7,806	5,000	4,000	3,000	12,348
90%	6,260	8,066	8,902	13,377	14,497	14,430	12,719	8,372	7,513	4,000	4,000	3,000	10,385
Long Term													
Full Simulation Period[a]	9,567	13,593	27,855	50,517	58,988	47,301	32,694	21,789	11,975	6,677	4,227	10,624	24,651
Water Year Types[b]													
Wet (32%)	10,698	18,783	51,194	98,110	105,369	83,030	54,395	34,707	17,629	8,782	4,000	21,436	42,345
Above Normal (15%)	9,923	13,443	23,702	55,237	68,322	56,840	33,786	23,131	12,272	8,017	4,003	12,805	26,790
Below Normal (17%)	9,301	11,211	18,694	27,942	40,504	27,303	27,172	18,491	10,036	5,908	3,995	3,246	16,983
Dry (22%)	9,005	11,112	15,420	19,582	27,556	26,181	19,140	13,443	8,039	5,072	4,539	3,557	13,554
Critical (15%)	7,917	8,995	10,783	15,420	17,874	15,362	11,354	8,826	7,590	4,083	4,746	4,225	9,765

Alternative 8 (LLT) minus No Action Alternative (LLT)

	Monthly Outflow Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	372	1,406	**-2,706**	9,861	**-870**	**-2,831**	**-280**	102	1,324	**-4,595**	**-1,378**	1,250	363
20%	125	749	6,375	**-987**	**-2,274**	**-1,309**	**-238**	2,454	2,358	**-4,779**	**-969**	1,125	1,087
30%	**-109**	329	6,838	3,371	3,904	**-1,698**	3,704	3,064	1,160	**-2,830**	**-1,050**	2,094	1,128
40%	1,969	500	7,180	3,782	3,479	1,028	2,781	5,587	1,719	**-1,988**	**-637**	1,750	2,377
50%	1,532	322	7,088	7,404	3,589	4,268	5,267	4,901	1,408	**-1,781**	**-154**	1,210	2,774
60%	1,539	4,419	7,617	3,668	5,003	6,290	6,356	4,647	435	**-2,694**	**0**	929	3,057
70%	1,744	4,989	6,811	3,768	4,909	5,263	6,017	2,527	616	**-1,500**	**0**	293	3,200
80%	2,403	4,787	5,826	5,023	8,028	5,966	5,450	1,080	706	**-353**	0	0	3,031
90%	1,585	4,199	4,402	4,582	4,661	4,679	2,797	1,259	897	**-1,000**	0	0	2,189
Long Term													
Full Simulation Period[a]	1,291	2,749	5,742	4,145	2,649	2,204	3,090	2,668	1,414	**-2,306**	**-527**	870	1,999
Water Year Types[b]													
Wet (32%)	1,178	2,796	6,003	3,490	**-1,716**	**-1,441**	**-167**	1,827	1,990	**-2,624**	**-308**	1,358	1,032
Above Normal (15%)	941	1,915	4,583	4,137	2,449	103	3,210	1,422	1,596	**-4,208**	**-711**	1,224	1,388
Below Normal (17%)	1,247	2,529	6,462	5,641	4,419	4,836	6,531	4,895	1,093	**-1,760**	**-1,134**	**-182**	2,881
Dry (22%)	1,711	3,059	6,592	4,850	6,095	6,195	5,726	3,067	350	**-1,376**	**-809**	535	3,000
Critical (15%)	1,310	3,270	4,222	2,769	5,076	3,147	2,060	2,540	1,958	**-1,749**	313	1,189	2,176

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-7-1-25. Sacramento/San Joaquin River Delta, Monthly Outflow Rate

No Action Alternative (LLT)

	Monthly Outflow Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	11,234	15,469	68,167	106,474	135,965	93,131	68,298	39,760	18,601	13,558	6,297	21,250	46,341
20%	10,938	14,343	32,181	75,213	92,435	70,389	44,438	25,887	11,104	12,779	5,570	20,750	35,257
30%	10,578	12,905	16,907	48,241	64,656	49,395	29,251	18,934	10,265	10,830	5,270	17,016	29,149
40%	8,125	10,938	12,033	29,372	51,011	33,034	24,619	14,380	8,874	9,988	4,637	11,875	23,365
50%	7,763	10,182	9,176	22,068	36,623	25,464	18,289	13,070	8,353	8,281	4,154	3,470	15,033
60%	7,263	5,398	7,365	18,568	22,394	19,021	14,930	11,203	8,150	7,694	4,000	3,000	12,836
70%	6,651	4,506	5,502	14,279	18,411	17,306	11,588	10,187	7,383	6,500	4,000	3,000	10,708
80%	5,416	4,500	4,802	10,583	12,804	12,757	10,558	9,666	7,100	5,353	4,000	3,000	9,317
90%	4,675	3,867	4,500	8,795	9,837	9,752	9,922	7,114	6,616	5,000	4,000	3,000	8,196
Long Term													
Full Simulation Period[a]	8,276	10,844	22,113	46,372	56,338	45,097	29,603	19,121	10,560	8,984	4,754	9,754	22,651
Water Year Types[b]													
Wet (32%)	9,520	15,987	45,191	94,620	107,085	84,471	54,562	32,880	15,640	11,407	4,308	20,078	41,312
Above Normal (15%)	8,982	11,529	19,119	51,100	65,873	56,737	30,576	21,709	10,676	12,225	4,713	11,581	25,402
Below Normal (17%)	8,054	8,681	12,231	22,301	36,084	22,467	20,641	13,596	8,943	7,668	5,129	3,428	14,102
Dry (22%)	7,294	8,052	8,828	14,732	21,461	19,985	13,413	10,375	7,689	6,448	5,348	3,021	10,554
Critical (15%)	6,607	5,725	6,560	12,651	12,798	12,215	9,294	6,286	5,632	5,832	4,433	3,036	7,589

Alternative 9 (LLT)

	Monthly Outflow Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	11,219	15,922	72,184	116,953	142,657	92,896	65,604	37,981	15,997	11,189	5,943	21,563	46,796
20%	10,469	14,301	34,016	77,507	94,022	71,494	42,969	22,449	11,738	10,225	5,409	20,938	35,196
30%	10,109	12,905	16,905	50,649	69,997	50,142	26,776	16,763	10,961	8,688	5,218	17,469	29,233
40%	7,312	11,031	11,566	31,698	54,937	36,505	21,825	14,590	9,756	8,000	4,946	12,750	23,574
50%	6,914	9,766	6,414	23,463	39,213	28,433	16,577	13,586	8,795	6,749	4,597	3,414	14,844
60%	4,000	4,553	5,236	19,367	24,294	21,466	13,817	12,652	8,258	6,500	4,205	3,000	13,083
70%	4,000	4,500	4,627	13,709	18,391	18,823	11,640	12,033	7,267	5,216	4,000	3,000	10,888
80%	4,000	4,500	4,500	11,048	14,556	14,077	10,949	11,238	7,100	5,000	4,000	3,000	9,838
90%	3,000	3,500	4,500	9,259	10,209	10,366	9,971	7,128	6,271	4,615	4,000	3,000	8,330
Long Term													
Full Simulation Period[a]	6,892	10,658	22,064	47,837	58,171	46,443	28,520	19,187	10,893	7,403	4,754	10,063	22,741
Water Year Types[b]													
Wet (32%)	8,710	15,824	46,340	97,198	108,810	85,974	52,374	31,309	16,323	10,186	4,234	20,595	41,490
Above Normal (15%)	6,406	11,203	18,822	53,318	69,090	58,768	28,278	20,081	11,618	8,669	4,216	12,095	25,214
Below Normal (17%)	6,545	8,694	12,294	23,930	38,460	24,376	19,364	14,324	8,979	5,965	4,490	3,899	14,277
Dry (22%)	6,305	7,681	8,034	15,597	22,776	20,872	14,077	12,909	7,545	5,191	5,455	3,000	10,787
Critical (15%)	4,724	5,681	5,154	11,658	13,626	12,572	9,424	7,118	5,659	5,104	5,676	3,000	7,450

Alternative 9 (LLT) minus No Action Alternative (LLT)

	Monthly Outflow Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	-16	453	4,017	10,480	6,692	-235	-2,694	-1,778	-2,604	-2,369	-354	313	455
20%	-469	-42	1,835	2,294	1,587	1,104	-1,470	-3,438	634	-2,554	-162	188	-61
30%	-469	0	-3	2,408	5,341	747	-2,475	-2,170	695	-2,142	-52	453	84
40%	-813	94	-467	2,326	3,926	3,470	-2,793	209	883	-1,988	309	875	209
50%	-848	-416	-2,762	1,395	2,590	2,969	-1,712	516	442	-1,531	443	-56	-189
60%	-3,263	-845	-2,130	799	1,899	2,445	-1,113	1,449	107	-1,194	205	0	246
70%	-2,651	-6	-875	-570	-20	1,516	52	1,846	-116	-1,284	0	0	180
80%	-1,416	0	-302	465	1,752	1,321	392	1,573	0	-353	0	0	522
90%	-1,675	-367	0	464	372	615	49	14	-346	-385	0	0	135
Long Term													
Full Simulation Period[a]	-1,384	-185	-48	1,465	1,833	1,346	-1,083	66	333	-1,581	0	310	89
Water Year Types[b]													
Wet (32%)	-810	-164	1,149	2,578	1,725	1,502	-2,188	-1,571	683	-1,221	-74	517	177
Above Normal (15%)	-2,576	-326	-297	2,218	3,216	2,031	-2,298	-1,629	942	-3,555	-497	514	-188
Below Normal (17%)	-1,509	12	63	1,629	2,375	1,909	-1,277	728	35	-1,703	-639	471	175
Dry (22%)	-989	-372	-794	865	1,315	886	664	2,534	-144	-1,257	107	-21	233
Critical (15%)	-1,882	-44	-1,406	-992	828	357	131	832	28	-728	1,243	-36	-139

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-7-2-1. Sacramento/San Joaquin River Delta, Monthly Outflow Volume

Existing Condition

	Monthly Outflow Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	413	990	4,052	6,552	7,060	5,633	4,103	3,304	1,768	677	347	602	31,756
20%	283	453	2,192	4,127	4,418	3,868	2,934	1,867	878	537	292	468	24,054
30%	268	371	1,251	2,926	3,614	2,888	1,735	1,349	615	492	273	243	19,623
40%	246	345	721	1,947	2,846	2,081	1,580	1,199	473	492	246	229	15,491
50%	246	303	503	1,443	2,042	1,631	1,142	994	433	492	246	215	10,646
60%	246	285	397	1,078	1,317	1,331	942	765	422	400	246	202	8,880
70%	246	268	325	794	955	1,031	772	631	400	307	246	183	7,637
80%	246	268	308	609	776	787	664	536	375	307	246	179	6,490
90%	235	268	277	532	537	597	574	437	309	264	246	179	5,269
Long Term													
Full Simulation Period[a]	303	547	1,397	2,662	2,944	2,655	1,791	1,385	760	489	284	317	15,533
Water Year Types[b]													
Wet (32%)	399	847	2,963	5,282	5,402	4,855	3,237	2,523	1,395	703	328	569	28,504
Above Normal (15%)	247	576	1,108	3,040	3,517	3,331	1,903	1,488	702	580	246	218	16,956
Below Normal (17%)	275	349	735	1,412	2,066	1,477	1,305	1,002	476	440	246	205	9,989
Dry (22%)	256	413	546	906	1,170	1,222	841	645	395	309	297	199	7,200
Critical (15%)	256	300	340	697	733	732	539	369	317	261	251	179	4,973

No Action Alternative (LLT)

	Monthly Outflow Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	691	920	4,191	6,547	7,794	5,726	4,064	2,445	1,107	834	387	1,264	33,411
20%	673	853	1,979	4,625	5,317	4,328	2,644	1,592	661	786	343	1,235	25,327
30%	650	768	1,040	2,966	3,591	3,037	1,741	1,164	611	666	324	1,013	20,961
40%	500	651	740	1,806	2,838	2,031	1,465	884	528	614	285	707	16,853
50%	477	606	564	1,357	2,036	1,566	1,088	804	497	509	255	206	10,729
60%	447	321	453	1,142	1,262	1,170	888	689	485	473	246	179	9,105
70%	409	268	338	878	1,022	1,064	690	626	439	400	246	179	7,773
80%	333	268	295	651	731	784	628	594	422	329	246	179	6,740
90%	287	230	277	541	546	600	590	437	394	307	246	179	5,941
Long Term													
Full Simulation Period[a]	509	645	1,360	2,851	3,154	2,773	1,762	1,176	628	552	292	580	16,282
Water Year Types[b]													
Wet (32%)	585	951	2,779	5,818	5,975	5,194	3,247	2,022	931	701	265	1,195	29,662
Above Normal (15%)	552	686	1,176	3,142	3,717	3,489	1,819	1,335	635	752	290	689	18,282
Below Normal (17%)	495	517	752	1,371	2,028	1,381	1,228	836	532	471	315	204	10,131
Dry (22%)	448	479	543	906	1,201	1,229	798	638	458	397	329	180	7,605
Critical (15%)	406	341	403	778	721	751	553	386	335	359	273	181	5,487

No Action Alternative (LLT) minus Existing Condition

	Monthly Outflow Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	278	-70	140	-6	734	94	-39	-859	-661	157	40	663	1,655
20%	389	400	-213	498	898	460	-290	-275	-217	249	51	766	1,273
30%	383	397	-212	40	-23	149	6	-185	-4	174	51	770	1,339
40%	253	306	19	-141	-8	-50	-116	-315	55	122	39	477	1,362
50%	231	302	61	-86	-7	-66	-54	-190	64	17	9	-8	84
60%	201	37	55	64	-55	-162	-53	-76	62	73	0	-24	225
70%	163	0	13	84	67	33	-82	-4	40	92	0	-5	136
80%	87	0	-13	42	-45	-3	-36	58	48	22	0	0	250
90%	53	-38	0	9	9	2	17	1	85	43	0	0	672
Long Term													
Full Simulation Period[a]	206	98	-37	190	209	118	-30	-209	-131	63	8	263	750
Water Year Types[b]													
Wet (32%)	187	104	-184	536	573	339	10	-502	-465	-2	-63	625	1,158
Above Normal (15%)	305	110	68	102	201	158	-83	-153	-67	172	44	471	1,326
Below Normal (17%)	220	168	17	-41	-39	-96	-77	-166	56	32	69	-1	143
Dry (22%)	193	66	-3	0	31	6	-43	-7	63	88	32	-20	405
Critical (15%)	151	40	63	80	-12	19	14	18	18	98	22	2	514

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-7-2-2. Sacramento/San Joaquin River Delta, Monthly Outflow Volume

Existing Condition

	Monthly Outflow Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	413	990	4,052	6,552	7,060	5,633	4,103	3,304	1,768	677	347	602	31,756
20%	283	453	2,192	4,127	4,418	3,868	2,934	1,867	878	537	292	468	24,054
30%	268	371	1,251	2,926	3,614	2,888	1,735	1,349	615	492	273	243	19,623
40%	246	345	721	1,947	2,846	2,081	1,580	1,199	473	492	246	229	15,491
50%	246	303	503	1,443	2,042	1,631	1,142	994	433	492	246	215	10,646
60%	246	285	397	1,078	1,317	1,331	942	765	422	400	246	202	8,880
70%	246	268	325	794	955	1,031	772	631	400	307	246	183	7,637
80%	246	268	308	609	776	787	664	536	375	307	246	179	6,490
90%	235	268	277	532	537	597	574	437	309	264	246	179	5,269
Long Term													
Full Simulation Period[a]	303	547	1,397	2,662	2,944	2,655	1,791	1,385	760	489	284	317	15,533
Water Year Types[b]													
Wet (32%)	399	847	2,963	5,282	5,402	4,855	3,237	2,523	1,395	703	328	569	28,504
Above Normal (15%)	247	576	1,108	3,040	3,517	3,331	1,903	1,488	702	580	246	218	16,956
Below Normal (17%)	275	349	735	1,412	2,066	1,477	1,305	1,002	476	440	246	205	9,989
Dry (22%)	256	413	546	906	1,170	1,222	841	645	395	309	297	199	7,200
Critical (15%)	256	300	340	697	733	732	539	369	317	261	251	179	4,973

Alternative 1A,1B,1C (LLT)

	Monthly Outflow Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	916	726	4,033	6,636	8,270	5,988	3,611	1,897	1,036	628	304	367	31,160
20%	836	410	1,994	4,656	5,139	4,221	2,270	1,201	685	551	270	273	24,082
30%	752	277	1,062	2,693	3,446	2,645	1,322	949	650	508	247	230	18,959
40%	702	268	742	1,610	2,681	1,953	1,079	735	605	492	246	193	13,866
50%	578	268	568	1,373	1,909	1,503	786	701	558	483	246	179	10,031
60%	529	268	468	1,182	1,159	1,130	711	660	508	400	246	179	8,733
70%	400	268	361	973	933	958	660	621	449	316	246	179	7,340
80%	294	268	307	826	707	783	609	547	423	307	246	179	6,434
90%	214	268	277	660	597	587	580	438	393	307	217	179	5,822
Long Term													
Full Simulation Period[a]	596	454	1,374	2,819	3,121	2,712	1,532	1,024	637	447	254	240	15,210
Water Year Types[b]													
Wet (32%)	596	734	2,825	5,764	6,015	5,223	2,871	1,721	937	565	246	249	27,744
Above Normal (15%)	597	402	1,232	2,963	3,696	3,372	1,455	1,040	632	547	257	183	16,378
Below Normal (17%)	645	267	770	1,338	1,969	1,318	995	750	576	393	251	190	9,463
Dry (22%)	538	327	531	973	1,070	1,061	733	646	467	332	275	237	7,190
Critical (15%)	627	307	342	792	698	710	536	381	319	329	241	338	5,621

Alternative 1A,1B,1C (LLT) minus Existing Condition

	Monthly Outflow Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	503	-264	-19	83	1,210	355	-492	-1,407	-732	-49	-43	-234	-596
20%	553	-43	-198	530	720	353	-664	-666	-193	14	-22	-195	29
30%	484	-94	-189	-233	-168	-242	-413	-400	35	16	-27	-13	-664
40%	456	-77	21	-337	-165	-128	-502	-464	132	0	0	-36	-1,625
50%	332	-36	66	-70	-133	-129	-356	-293	125	-9	0	-36	-614
60%	283	-17	70	104	-157	-201	-231	-105	86	0	0	-24	-147
70%	154	0	36	179	-23	-73	-112	-10	50	8	0	-5	-297
80%	48	0	-1	217	-69	-4	-55	11	49	0	0	0	-57
90%	-21	0	1	128	60	-10	6	1	85	43	-29	0	553
Long Term													
Full Simulation Period[a]	293	-93	-23	157	177	57	-259	-361	-122	-42	-30	-78	-323
Water Year Types[b]													
Wet (32%)	197	-113	-138	482	613	368	-366	-803	-459	-139	-82	-320	-760
Above Normal (15%)	350	-174	125	-77	179	42	-447	-448	-70	-33	11	-35	-578
Below Normal (17%)	370	-82	35	-74	-97	-159	-310	-252	100	-47	5	-15	-525
Dry (22%)	283	-86	-15	66	-100	-161	-108	1	72	23	-22	37	-9
Critical (15%)	371	7	2	95	-35	-22	-2	12	3	68	-10	160	648

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-7-2-3. Sacramento/San Joaquin River Delta, Monthly Outflow Volume

Existing Condition

	Monthly Outflow Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	413	990	4,052	6,552	7,060	5,633	4,103	3,304	1,768	677	347	602	31,756
20%	283	453	2,192	4,127	4,418	3,868	2,934	1,867	878	537	292	468	24,054
30%	268	371	1,251	2,926	3,614	2,888	1,735	1,349	615	492	273	243	19,623
40%	246	345	721	1,947	2,846	2,081	1,580	1,199	473	492	246	229	15,491
50%	246	303	503	1,443	2,042	1,631	1,142	994	433	492	246	215	10,646
60%	246	285	397	1,078	1,317	1,331	942	765	422	400	246	202	8,880
70%	246	268	325	794	955	1,031	772	631	400	307	246	183	7,637
80%	246	268	308	609	776	787	664	536	375	307	246	179	6,490
90%	235	268	277	532	537	597	574	437	309	264	246	179	5,269
Long Term													
Full Simulation Period[a]	303	547	1,397	2,662	2,944	2,655	1,791	1,385	760	489	284	317	15,533
Water Year Types[b]													
Wet (32%)	399	847	2,963	5,282	5,402	4,855	3,237	2,523	1,395	703	328	569	28,504
Above Normal (15%)	247	576	1,108	3,040	3,517	3,331	1,903	1,488	702	580	246	218	16,956
Below Normal (17%)	275	349	735	1,412	2,066	1,477	1,305	1,002	476	440	246	205	9,989
Dry (22%)	256	413	546	906	1,170	1,222	841	645	395	309	297	199	7,200
Critical (15%)	256	300	340	697	733	732	539	369	317	261	251	179	4,973

Alternative 2A,2B,2C (LLT)

	Monthly Outflow Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	812	991	3,745	6,445	7,541	5,834	3,650	1,899	1,047	652	307	1,339	31,294
20%	711	862	1,799	4,434	5,070	4,093	2,255	1,236	682	578	280	1,317	24,848
30%	673	768	1,003	2,576	3,273	2,448	1,377	987	636	519	252	1,134	19,680
40%	653	681	780	1,661	2,578	1,933	1,159	894	575	492	246	798	15,191
50%	634	561	650	1,371	1,855	1,379	916	816	543	492	246	405	10,010
60%	587	268	453	1,059	1,178	1,102	790	715	505	408	246	269	8,960
70%	498	268	349	891	1,044	902	679	667	461	331	246	211	7,458
80%	455	268	277	772	720	740	613	625	424	307	246	179	6,826
90%	352	214	277	684	553	599	581	438	392	307	229	179	6,082
Long Term													
Full Simulation Period[a]	596	632	1,334	2,727	3,056	2,650	1,560	1,078	634	459	257	654	15,638
Water Year Types[b]													
Wet (32%)	641	939	2,689	5,518	5,887	5,094	2,890	1,758	928	570	246	1,279	28,438
Above Normal (15%)	608	645	1,165	2,927	3,580	3,349	1,482	1,159	643	573	253	762	17,146
Below Normal (17%)	606	491	773	1,306	1,865	1,224	1,079	854	570	419	262	198	9,647
Dry (22%)	550	473	566	940	1,106	1,045	755	679	465	334	281	237	7,431
Critical (15%)	547	359	371	817	711	726	529	385	317	335	245	351	5,694

Alternative 2A,2B,2C (LLT) minus Existing Condition

	Monthly Outflow Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	399	1	-306	-108	481	202	-454	-1,405	-721	-25	-41	737	-462
20%	428	409	-393	308	652	225	-679	-631	-195	42	-12	848	794
30%	405	397	-248	-350	-341	-440	-358	-362	21	27	-22	892	57
40%	407	336	59	-286	-268	-149	-421	-305	103	0	0	568	-300
50%	388	257	147	-71	-187	-252	-226	-178	111	0	0	190	-636
60%	341	-17	56	-19	-139	-229	-152	-50	82	8	0	67	80
70%	252	0	24	97	89	-129	-92	36	61	23	0	28	-179
80%	209	0	-31	163	-55	-47	-51	89	49	0	0	0	336
90%	117	-54	0	152	16	2	7	2	84	43	-17	0	813
Long Term													
Full Simulation Period[a]	293	85	-63	65	111	-5	-231	-306	-125	-30	-27	337	105
Water Year Types[b]													
Wet (32%)	242	92	-274	236	485	239	-347	-766	-468	-133	-82	710	-66
Above Normal (15%)	361	68	58	-113	64	18	-421	-329	-59	-7	7	543	190
Below Normal (17%)	331	142	38	-106	-202	-253	-226	-148	93	-20	16	-7	-341
Dry (22%)	294	60	20	34	-64	-177	-87	34	71	25	-16	37	232
Critical (15%)	291	59	31	120	-21	-6	-10	16	0	74	-5	173	721

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-7-2-4. Sacramento/San Joaquin River Delta, Monthly Outflow Volume

Existing Condition

	Monthly Outflow Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	413	990	4,052	6,552	7,060	5,633	4,103	3,304	1,768	677	347	602	31,756
20%	283	453	2,192	4,127	4,418	3,868	2,934	1,867	878	537	292	468	24,054
30%	268	371	1,251	2,926	3,614	2,888	1,735	1,349	615	492	273	243	19,623
40%	246	345	721	1,947	2,846	2,081	1,580	1,199	473	492	246	229	15,491
50%	246	303	503	1,443	2,042	1,631	1,142	994	433	492	246	215	10,646
60%	246	285	397	1,078	1,317	1,331	942	765	422	400	246	202	8,880
70%	246	268	325	794	955	1,031	772	631	400	307	246	183	7,637
80%	246	268	308	609	776	787	664	536	375	307	246	179	6,490
90%	235	268	277	532	537	597	574	437	309	264	246	179	5,269
Long Term													
Full Simulation Period[a]	303	547	1,397	2,662	2,944	2,655	1,791	1,385	760	489	284	317	15,533
Water Year Types[b]													
Wet (32%)	399	847	2,963	5,282	5,402	4,855	3,237	2,523	1,395	703	328	569	28,504
Above Normal (15%)	247	576	1,108	3,040	3,517	3,331	1,903	1,488	702	580	246	218	16,956
Below Normal (17%)	275	349	735	1,412	2,066	1,477	1,305	1,002	476	440	246	205	9,989
Dry (22%)	256	413	546	906	1,170	1,222	841	645	395	309	297	199	7,200
Critical (15%)	256	300	340	697	733	732	539	369	317	261	251	179	4,973

Alternative 3 (LLT)

	Monthly Outflow Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	919	712	4,042	6,603	8,063	5,978	3,599	1,902	1,026	638	293	373	31,244
20%	801	411	2,033	4,766	5,078	4,236	2,260	1,220	682	577	261	292	24,188
30%	765	292	1,070	2,667	3,455	2,835	1,293	969	635	509	246	238	19,059
40%	724	268	796	1,632	2,815	1,969	1,059	750	590	492	246	200	14,156
50%	571	268	618	1,412	1,909	1,564	771	698	561	487	246	179	10,121
60%	500	268	489	1,162	1,168	1,111	694	671	500	400	246	179	8,702
70%	411	268	392	926	981	980	655	620	451	336	246	179	7,366
80%	294	268	308	839	722	791	610	565	424	307	246	179	6,593
90%	187	268	277	677	576	588	568	438	397	307	223	179	5,836
Long Term													
Full Simulation Period[a]	596	455	1,397	2,855	3,142	2,717	1,524	1,033	635	455	252	245	15,305
Water Year Types[b]													
Wet (32%)	609	726	2,855	5,808	6,018	5,210	2,867	1,738	932	577	246	250	27,836
Above Normal (15%)	632	411	1,248	3,051	3,688	3,372	1,434	1,059	631	554	254	194	16,529
Below Normal (17%)	596	267	800	1,339	1,991	1,320	999	748	576	401	254	208	9,500
Dry (22%)	524	332	570	990	1,148	1,097	715	651	463	338	264	234	7,326
Critical (15%)	639	312	326	827	696	723	533	382	324	329	243	342	5,675

Alternative 3 (LLT) minus Existing Condition

	Monthly Outflow Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	506	-278	-9	50	1,002	345	-504	-1,402	-742	-39	-55	-228	-512
20%	518	-42	-159	639	660	369	-674	-646	-196	41	-30	-176	134
30%	497	-79	-182	-259	-159	-53	-442	-379	21	17	-28	-4	-564
40%	477	-77	75	-315	-31	-112	-522	-449	118	0	0	-29	-1,335
50%	325	-36	115	-30	-134	-68	-371	-296	129	-5	0	-36	-525
60%	254	-17	91	84	-149	-221	-248	-95	78	0	0	-24	-178
70%	165	0	68	132	25	-51	-117	-10	51	28	0	-5	-271
80%	48	0	0	230	-54	4	-54	28	49	0	0	0	102
90%	-48	0	0	145	39	-10	-6	1	89	43	-23	0	567
Long Term													
Full Simulation Period[a]	293	-93	0	193	197	63	-267	-352	-124	-34	-32	-73	-227
Water Year Types[b]													
Wet (32%)	210	-121	-108	526	616	355	-369	-786	-464	-126	-82	-319	-668
Above Normal (15%)	385	-166	140	11	171	41	-469	-429	-72	-25	8	-24	-427
Below Normal (17%)	321	-82	65	-73	-75	-157	-306	-254	100	-38	8	3	-489
Dry (22%)	268	-81	23	84	-22	-125	-127	6	68	30	-32	34	127
Critical (15%)	383	12	-14	130	-37	-9	-6	13	7	69	-7	163	702

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-7-2-5. Sacramento/San Joaquin River Delta, Monthly Outflow Volume

Existing Condition

	Monthly Outflow Volume (TAF)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**TOT**
Probability of Exceedance													
10%	413	990	4,052	6,552	7,060	5,633	4,103	3,304	1,768	677	347	602	31,756
20%	283	453	2,192	4,127	4,418	3,868	2,934	1,867	878	537	292	468	24,054
30%	268	371	1,251	2,926	3,614	2,888	1,735	1,349	615	492	273	243	19,623
40%	246	345	721	1,947	2,846	2,081	1,580	1,199	473	492	246	229	15,491
50%	246	303	503	1,443	2,042	1,631	1,142	994	433	492	246	215	10,646
60%	246	285	397	1,078	1,317	1,331	942	765	422	400	246	202	8,880
70%	246	268	325	794	955	1,031	772	631	400	307	246	183	7,637
80%	246	268	308	609	776	787	664	536	375	307	246	179	6,490
90%	235	268	277	532	537	597	574	437	309	264	246	179	5,269
Long Term													
Full Simulation Period[a]	303	547	1,397	2,662	2,944	2,655	1,791	1,385	760	489	284	317	15,533
Water Year Types[b]													
Wet (32%)	399	847	2,963	5,282	5,402	4,855	3,237	2,523	1,395	703	328	569	28,504
Above Normal (15%)	247	576	1,108	3,040	3,517	3,331	1,903	1,488	702	580	246	218	16,956
Below Normal (17%)	275	349	735	1,412	2,066	1,477	1,305	1,002	476	440	246	205	9,989
Dry (22%)	256	413	546	906	1,170	1,222	841	645	395	309	297	199	7,200
Critical (15%)	256	300	340	697	733	732	539	369	317	261	251	179	4,973

Alternative 4 H1 (LLT)

	Monthly Outflow Volume (TAF)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**TOT**
Probability of Exceedance													
10%	810	897	3,948	6,656	8,125	5,787	3,581	2,024	1,173	677	314	399	30,883
20%	703	318	2,083	4,775	5,148	4,271	2,261	1,293	682	578	284	305	24,344
30%	616	274	1,034	2,645	3,433	2,709	1,394	1,033	652	531	261	244	19,414
40%	549	268	864	1,830	2,721	2,005	1,156	903	585	492	246	207	14,635
50%	512	268	647	1,413	1,879	1,496	942	816	553	490	246	179	10,114
60%	486	268	513	1,219	1,192	1,115	806	732	506	405	246	179	9,029
70%	466	268	457	946	1,045	958	686	672	451	329	246	179	7,456
80%	436	268	351	775	736	742	620	625	431	307	246	179	6,678
90%	352	213	277	669	557	597	581	438	389	307	225	179	5,897
Long Term													
Full Simulation Period[a]	555	457	1,426	2,858	3,130	2,702	1,581	1,094	644	463	261	246	15,418
Water Year Types[b]													
Wet (32%)	585	753	2,885	5,792	5,980	5,162	2,928	1,802	939	584	246	253	27,910
Above Normal (15%)	565	434	1,226	3,113	3,723	3,476	1,507	1,186	654	595	255	195	16,929
Below Normal (17%)	578	273	809	1,367	1,977	1,248	1,103	843	588	407	272	196	9,661
Dry (22%)	506	318	603	961	1,127	1,079	756	677	470	343	281	254	7,374
Critical (15%)	528	259	421	830	710	731	533	389	319	318	257	332	5,627

Alternative 4 H1 (LLT) minus Existing Condition

	Monthly Outflow Volume (TAF)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**TOT**
Probability of Exceedance													
10%	397	**-94**	**-104**	103	1,065	154	**-522**	**-1,280**	**-595**	**0**	**-33**	**-203**	**-872**
20%	420	**-135**	**-109**	649	729	404	**-673**	**-574**	**-196**	42	**-7**	**-163**	291
30%	348	**-97**	**-218**	**-281**	**-180**	**-179**	**-341**	**-316**	38	39	**-12**	1	**-209**
40%	303	**-77**	143	**-117**	**-125**	**-76**	**-424**	**-296**	113	0	**0**	**-23**	**-856**
50%	266	**-36**	145	**-30**	**-163**	**-135**	**-200**	**-178**	120	**-2**	0	**-36**	**-532**
60%	240	**-17**	116	142	**-125**	**-217**	**-135**	**-33**	83	5	**0**	**-24**	149
70%	220	0	132	152	89	**-73**	**-85**	42	51	21	**0**	**-5**	**-181**
80%	190	0	43	166	**-39**	**-45**	**-44**	89	56	0	0	0	188
90%	117	**-55**	0	137	20	**0**	7	1	80	43	**-21**	0	628
Long Term													
Full Simulation Period[a]	252	**-90**	30	196	186	48	**-210**	**-290**	**-116**	**-25**	**-23**	**-71**	**-114**
Water Year Types[b]													
Wet (32%)	186	**-94**	**-77**	510	578	308	**-309**	**-721**	**-457**	**-119**	**-82**	**-317**	**-594**
Above Normal (15%)	318	**-142**	118	73	206	145	**-395**	**-302**	**-48**	15	9	**-23**	**-27**
Below Normal (17%)	302	**-76**	74	**-45**	**-89**	**-229**	**-201**	**-159**	112	**-33**	26	**-9**	**-328**
Dry (22%)	250	**-95**	56	55	**-42**	**-144**	**-85**	32	75	34	**-16**	54	174
Critical (15%)	273	**-42**	81	133	**-23**	**-2**	**-6**	20	2	58	6	154	654

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-7-2-6. Sacramento/San Joaquin River Delta, Monthly Outflow Volume

Existing Condition

	Monthly Outflow Volume (TAF)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**TOT**
Probability of Exceedance													
10%	413	990	4,052	6,552	7,060	5,633	4,103	3,304	1,768	677	347	602	31,756
20%	283	453	2,192	4,127	4,418	3,868	2,934	1,867	878	537	292	468	24,054
30%	268	371	1,251	2,926	3,614	2,888	1,735	1,349	615	492	273	243	19,623
40%	246	345	721	1,947	2,846	2,081	1,580	1,199	473	492	246	229	15,491
50%	246	303	503	1,443	2,042	1,631	1,142	994	433	492	246	215	10,646
60%	246	285	397	1,078	1,317	1,331	942	765	422	400	246	202	8,880
70%	246	268	325	794	955	1,031	772	631	400	307	246	183	7,637
80%	246	268	308	609	776	787	664	536	375	307	246	179	6,490
90%	235	268	277	532	537	597	574	437	309	264	246	179	5,269
Long Term													
Full Simulation Period[a]	303	547	1,397	2,662	2,944	2,655	1,791	1,385	760	489	284	317	15,533
Water Year Types[b]													
Wet (32%)	399	847	2,963	5,282	5,402	4,855	3,237	2,523	1,395	703	328	569	28,504
Above Normal (15%)	247	576	1,108	3,040	3,517	3,331	1,903	1,488	702	580	246	218	16,956
Below Normal (17%)	275	349	735	1,412	2,066	1,477	1,305	1,002	476	440	246	205	9,989
Dry (22%)	256	413	546	906	1,170	1,222	841	645	395	309	297	199	7,200
Critical (15%)	256	300	340	697	733	732	539	369	317	261	251	179	4,973

Alternative 4 H2 (LLT)

	Monthly Outflow Volume (TAF)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**TOT**
Probability of Exceedance													
10%	789	899	3,679	7,106	7,996	5,859	3,673	2,675	1,162	656	317	422	31,371
20%	717	327	2,069	4,387	5,196	4,277	2,590	1,540	678	560	270	333	26,389
30%	580	284	1,068	2,903	3,652	2,744	2,026	1,294	641	493	249	261	20,065
40%	536	268	847	2,031	2,721	2,140	1,714	1,123	572	492	246	234	15,592
50%	504	268	641	1,439	1,883	1,696	1,478	932	536	492	246	200	11,455
60%	490	268	480	1,200	1,186	1,408	1,048	786	482	406	246	186	9,130
70%	473	268	395	951	1,052	1,148	749	673	440	319	246	179	7,612
80%	434	268	281	866	716	816	608	614	428	307	246	179	6,817
90%	342	209	277	672	555	639	578	448	389	307	216	179	5,862
Long Term													
Full Simulation Period[a]	552	463	1,437	2,867	3,147	2,826	1,820	1,217	633	451	259	264	15,937
Water Year Types[b]													
Wet (32%)	578	756	2,986	5,767	5,979	5,306	3,238	2,035	925	564	246	259	28,640
Above Normal (15%)	575	445	1,137	3,109	3,771	3,518	1,937	1,380	621	542	247	212	17,494
Below Normal (17%)	529	301	790	1,409	2,039	1,522	1,471	953	591	398	268	240	10,510
Dry (22%)	507	322	585	1,009	1,128	1,186	822	679	462	352	291	261	7,605
Critical (15%)	566	249	411	833	710	744	533	395	317	328	243	361	5,690

Alternative 4 H2 (LLT) minus Existing Condition

	Monthly Outflow Volume (TAF)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**TOT**
Probability of Exceedance													
10%	376	**-91**	**-373**	554	936	226	**-430**	**-629**	**-606**	**-21**	**-30**	**-179**	**-384**
20%	434	**-126**	**-122**	261	778	409	**-344**	**-327**	**-200**	23	**-22**	**-136**	2,335
30%	312	**-87**	**-184**	**-23**	38	**-144**	291	**-55**	27	1	**-24**	18	442
40%	289	**-77**	126	85	**-125**	59	133	**-76**	100	0	**0**	5	101
50%	258	**-36**	139	**-4**	**-159**	65	336	**-62**	104	0	0	**-14**	809
60%	244	**-17**	83	123	**-131**	77	106	21	59	6	**0**	**-17**	250
70%	228	0	70	157	97	117	**-23**	43	40	11	**0**	**-5**	**-25**
80%	189	0	**-28**	257	**-60**	29	**-56**	78	53	0	0	0	327
90%	107	**-59**	0	140	18	41	4	11	81	43	**-30**	0	593
Long Term													
Full Simulation Period[a]	249	**-84**	40	206	203	172	29	**-168**	**-127**	**-38**	**-25**	**-53**	405
Water Year Types[b]													
Wet (32%)	179	**-91**	24	485	577	451	2	**-488**	**-470**	**-140**	**-82**	**-310**	136
Above Normal (15%)	327	**-131**	30	69	255	187	34	**-108**	**-81**	**-37**	1	**-7**	538
Below Normal (17%)	254	**-48**	55	**-4**	**-27**	44	166	**-49**	114	**-42**	22	35	521
Dry (22%)	251	**-91**	39	103	**-41**	**-36**	**-19**	34	67	43	**-6**	62	405
Critical (15%)	310	**-51**	71	135	**-23**	12	**-6**	26	1	67	**-8**	182	717

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-7-2-7. Sacramento/San Joaquin River Delta, Monthly Outflow Volume

Existing Condition

	Monthly Outflow Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	413	990	4,052	6,552	7,060	5,633	4,103	3,304	1,768	677	347	602	31,756
20%	283	453	2,192	4,127	4,418	3,868	2,934	1,867	878	537	292	468	24,054
30%	268	371	1,251	2,926	3,614	2,888	1,735	1,349	615	492	273	243	19,623
40%	246	345	721	1,947	2,846	2,081	1,580	1,199	473	492	246	229	15,491
50%	246	303	503	1,443	2,042	1,631	1,142	994	433	492	246	215	10,646
60%	246	285	397	1,078	1,317	1,331	942	765	422	400	246	202	8,880
70%	246	268	325	794	955	1,031	772	631	400	307	246	183	7,637
80%	246	268	308	609	776	787	664	536	375	307	246	179	6,490
90%	235	268	277	532	537	597	574	437	309	264	246	179	5,269
Long Term													
Full Simulation Period[a]	303	547	1,397	2,662	2,944	2,655	1,791	1,385	760	489	284	317	15,533
Water Year Types[b]													
Wet (32%)	399	847	2,963	5,282	5,402	4,855	3,237	2,523	1,395	703	328	569	28,504
Above Normal (15%)	247	576	1,108	3,040	3,517	3,331	1,903	1,488	702	580	246	218	16,956
Below Normal (17%)	275	349	735	1,412	2,066	1,477	1,305	1,002	476	440	246	205	9,989
Dry (22%)	256	413	546	906	1,170	1,222	841	645	395	309	297	199	7,200
Critical (15%)	256	300	340	697	733	732	539	369	317	261	251	179	4,973

Alternative 4 H3 (LLT)

	Monthly Outflow Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	785	1,002	3,690	6,348	7,495	5,827	3,617	2,024	1,173	688	309	1,339	31,482
20%	690	864	1,861	4,547	5,142	4,156	2,257	1,293	674	587	280	1,302	24,846
30%	661	768	1,021	2,621	3,376	2,545	1,393	1,037	652	533	260	1,122	19,873
40%	643	681	796	1,689	2,703	2,001	1,159	898	580	492	246	794	15,931
50%	622	605	664	1,401	1,882	1,383	935	814	543	492	246	401	10,270
60%	531	268	466	1,041	1,183	1,096	791	729	503	411	246	270	8,998
70%	467	268	346	869	1,048	928	679	671	452	343	246	238	7,491
80%	441	268	277	788	711	816	612	617	426	307	246	179	6,898
90%	361	208	277	676	553	601	581	438	397	307	221	179	6,087
Long Term													
Full Simulation Period[a]	585	638	1,345	2,756	3,088	2,663	1,574	1,096	640	468	259	654	15,767
Water Year Types[b]													
Wet (32%)	641	962	2,706	5,573	5,929	5,101	2,914	1,800	937	590	246	1,273	28,673
Above Normal (15%)	597	655	1,176	2,961	3,615	3,396	1,512	1,191	658	595	255	752	17,361
Below Normal (17%)	617	492	750	1,330	1,914	1,206	1,096	852	574	423	274	200	9,728
Dry (22%)	516	471	585	946	1,133	1,074	751	679	465	338	280	250	7,486
Critical (15%)	516	343	395	829	706	729	529	386	317	327	245	352	5,674

Alternative 4 H3 (LLT) minus Existing Condition

	Monthly Outflow Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	372	12	-362	-204	434	194	-486	-1,280	-596	11	-38	737	-274
20%	407	411	-330	420	723	288	-677	-574	-204	50	-11	833	792
30%	394	397	-230	-305	-238	-343	-342	-312	38	41	-13	879	251
40%	397	336	75	-257	-143	-80	-421	-302	107	0	0	565	440
50%	376	301	162	-41	-160	-248	-207	-180	110	0	0	186	-375
60%	285	-17	69	-36	-133	-235	-151	-37	80	12	0	68	117
70%	221	0	21	75	92	-103	-92	40	53	35	0	55	-146
80%	195	0	-31	178	-65	29	-52	81	51	0	0	0	408
90%	126	-60	0	144	16	4	7	1	89	43	-25	0	818
Long Term													
Full Simulation Period[a]	282	91	-52	95	144	8	-217	-289	-120	-21	-25	337	234
Water Year Types[b]													
Wet (32%)	242	115	-257	292	527	247	-322	-724	-459	-113	-82	704	169
Above Normal (15%)	350	78	69	-80	99	65	-391	-297	-44	15	9	533	405
Below Normal (17%)	342	143	16	-83	-152	-271	-209	-150	98	-17	28	-5	-261
Dry (22%)	260	58	39	40	-37	-149	-91	34	70	29	-17	51	286
Critical (15%)	260	43	55	131	-26	-3	-10	17	0	66	-6	174	701

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-7-2-8. Sacramento/San Joaquin River Delta, Monthly Outflow Volume

Existing Condition

	Monthly Outflow Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	413	990	4,052	6,552	7,060	5,633	4,103	3,304	1,768	677	347	602	31,756
20%	283	453	2,192	4,127	4,418	3,868	2,934	1,867	878	537	292	468	24,054
30%	268	371	1,251	2,926	3,614	2,888	1,735	1,349	615	492	273	243	19,623
40%	246	345	721	1,947	2,846	2,081	1,580	1,199	473	492	246	229	15,491
50%	246	303	503	1,443	2,042	1,631	1,142	994	433	492	246	215	10,646
60%	246	285	397	1,078	1,317	1,331	942	765	422	400	246	202	8,880
70%	246	268	325	794	955	1,031	772	631	400	307	246	183	7,637
80%	246	268	308	609	776	787	664	536	375	307	246	179	6,490
90%	235	268	277	532	537	597	574	437	309	264	246	179	5,269
Long Term													
Full Simulation Period[a]	303	547	1,397	2,662	2,944	2,655	1,791	1,385	760	489	284	317	15,533
Water Year Types[b]													
Wet (32%)	399	847	2,963	5,282	5,402	4,855	3,237	2,523	1,395	703	328	569	28,504
Above Normal (15%)	247	576	1,108	3,040	3,517	3,331	1,903	1,488	702	580	246	218	16,956
Below Normal (17%)	275	349	735	1,412	2,066	1,477	1,305	1,002	476	440	246	205	9,989
Dry (22%)	256	413	546	906	1,170	1,222	841	645	395	309	297	199	7,200
Critical (15%)	256	300	340	697	733	732	539	369	317	261	251	179	4,973

Alternative 4 H4 (LLT)

	Monthly Outflow Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	791	1,002	3,800	6,918	7,941	5,859	3,695	2,674	1,164	657	324	1,330	32,309
20%	692	864	1,890	4,322	5,186	4,241	2,591	1,539	679	605	274	1,302	26,813
30%	653	768	1,053	2,625	3,531	2,781	2,015	1,301	651	496	247	1,131	20,224
40%	642	688	826	1,700	2,856	2,085	1,730	1,101	578	492	246	781	16,486
50%	617	592	620	1,359	1,883	1,635	1,473	928	524	492	246	441	11,425
60%	529	271	469	980	1,172	1,390	1,048	771	465	400	246	331	9,410
70%	470	268	300	864	1,052	1,090	712	677	436	332	246	245	7,545
80%	417	268	277	779	733	816	615	613	427	307	246	190	6,955
90%	342	230	277	605	555	630	589	448	383	307	229	179	6,190
Long Term													
Full Simulation Period[a]	578	645	1,350	2,769	3,099	2,789	1,813	1,214	631	461	260	669	16,277
Water Year Types[b]													
Wet (32%)	645	948	2,763	5,647	5,906	5,252	3,221	2,039	916	582	246	1,274	29,438
Above Normal (15%)	622	667	1,133	2,956	3,650	3,451	1,948	1,380	625	562	246	767	18,007
Below Normal (17%)	568	516	737	1,360	1,971	1,470	1,451	936	591	415	268	221	10,506
Dry (22%)	504	482	585	926	1,139	1,184	822	674	462	345	291	277	7,690
Critical (15%)	514	359	368	754	722	735	537	394	317	327	248	369	5,645

Alternative 4 H4 (LLT) minus Existing Condition

	Monthly Outflow Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	378	12	-252	366	881	226	-408	-630	-604	-19	-23	728	554
20%	409	411	-302	195	767	373	-343	-328	-198	68	-18	833	2,759
30%	386	397	-198	-301	-82	-106	280	-48	36	4	-26	888	602
40%	395	343	105	-246	10	3	149	-98	106	0	0	552	995
50%	371	288	117	-84	-160	4	331	-66	91	0	0	227	779
60%	283	-13	71	-98	-145	58	107	6	43	0	0	128	530
70%	224	0	-25	71	96	59	-60	47	36	24	0	62	-92
80%	171	0	-31	169	-43	29	-49	77	52	0	0	12	465
90%	107	-38	0	73	18	33	16	11	75	43	-17	0	921
Long Term													
Full Simulation Period[a]	275	98	-47	107	155	134	22	-171	-129	-28	-24	351	744
Water Year Types[b]													
Wet (32%)	246	101	-200	365	504	397	-16	-485	-479	-122	-82	704	934
Above Normal (15%)	375	91	25	-85	134	120	45	-108	-77	-18	0	549	1,051
Below Normal (17%)	293	167	2	-52	-95	-7	146	-66	114	-25	22	16	517
Dry (22%)	249	69	38	20	-31	-39	-19	29	68	36	-6	77	491
Critical (15%)	258	59	28	57	-10	3	-1	25	1	66	-3	190	673

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-7-2-9. Sacramento/San Joaquin River Delta, Monthly Outflow Volume

Existing Condition

	Monthly Outflow Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	413	990	4,052	6,552	7,060	5,633	4,103	3,304	1,768	677	347	602	31,756
20%	283	453	2,192	4,127	4,418	3,868	2,934	1,867	878	537	292	468	24,054
30%	268	371	1,251	2,926	3,614	2,888	1,735	1,349	615	492	273	243	19,623
40%	246	345	721	1,947	2,846	2,081	1,580	1,199	473	492	246	229	15,491
50%	246	303	503	1,443	2,042	1,631	1,142	994	433	492	246	215	10,646
60%	246	285	397	1,078	1,317	1,331	942	765	422	400	246	202	8,880
70%	246	268	325	794	955	1,031	772	631	400	307	246	183	7,637
80%	246	268	308	609	776	787	664	536	375	307	246	179	6,490
90%	235	268	277	532	537	597	574	437	309	264	246	179	5,269
Long Term													
Full Simulation Period[a]	303	547	1,397	2,662	2,944	2,655	1,791	1,385	760	489	284	317	15,533
Water Year Types[b]													
Wet (32%)	399	847	2,963	5,282	5,402	4,855	3,237	2,523	1,395	703	328	569	28,504
Above Normal (15%)	247	576	1,108	3,040	3,517	3,331	1,903	1,488	702	580	246	218	16,956
Below Normal (17%)	275	349	735	1,412	2,066	1,477	1,305	1,002	476	440	246	205	9,989
Dry (22%)	256	413	546	906	1,170	1,222	841	645	395	309	297	199	7,200
Critical (15%)	256	300	340	697	733	732	539	369	317	261	251	179	4,973

Alternative 5 (LLT)

	Monthly Outflow Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	735	986	3,846	6,581	7,753	5,603	3,885	2,260	1,112	734	287	1,320	32,569
20%	700	850	1,765	4,753	5,143	4,221	2,463	1,394	678	643	268	1,300	24,800
30%	654	766	995	2,782	3,431	2,876	1,572	1,065	615	596	259	1,103	20,193
40%	652	698	746	1,659	2,805	1,967	1,288	852	568	504	250	790	16,226
50%	624	669	518	1,281	1,970	1,402	980	801	517	492	246	381	10,351
60%	592	307	362	1,071	1,209	1,083	815	704	493	449	246	306	9,064
70%	442	268	296	875	999	994	694	651	447	378	246	225	7,353
80%	404	268	277	750	729	746	610	596	427	309	246	191	6,593
90%	244	268	277	565	573	598	581	437	422	307	225	179	6,023
Long Term													
Full Simulation Period[a]	567	649	1,306	2,787	3,118	2,692	1,669	1,126	622	493	257	648	15,933
Water Year Types[b]													
Wet (32%)	584	963	2,711	5,713	5,963	5,090	3,086	1,901	908	623	251	1,262	29,055
Above Normal (15%)	594	637	1,126	2,982	3,677	3,456	1,684	1,259	622	612	253	762	17,664
Below Normal (17%)	661	496	702	1,330	1,946	1,254	1,154	813	557	447	281	209	9,848
Dry (22%)	488	513	493	882	1,164	1,142	758	661	463	362	260	231	7,417
Critical (15%)	510	362	366	811	694	737	553	376	320	341	238	339	5,646

Alternative 5 (LLT) minus Existing Condition

	Monthly Outflow Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	322	-5	-206	28	692	-29	-218	-1,043	-657	57	-60	719	813
20%	417	397	-426	626	724	353	-471	-473	-200	107	-23	831	746
30%	387	395	-256	-144	-182	-12	-163	-284	0	104	-14	860	570
40%	406	353	25	-288	-40	-114	-292	-347	95	12	4	561	735
50%	379	366	16	-162	-72	-230	-162	-193	84	0	0	167	-294
60%	346	22	-36	-6	-108	-249	-126	-62	70	49	0	104	184
70%	196	0	-29	81	44	-37	-78	21	47	70	0	42	-285
80%	158	0	-32	141	-47	-41	-54	60	52	1	0	12	103
90%	9	0	0	33	36	1	7	1	114	43	-20	0	754
Long Term													
Full Simulation Period[a]	263	102	-91	125	174	38	-122	-259	-137	4	-27	330	401
Water Year Types[b]													
Wet (32%)	185	116	-251	432	561	235	-150	-622	-488	-81	-77	693	551
Above Normal (15%)	347	61	18	-58	160	125	-218	-229	-80	32	7	544	708
Below Normal (17%)	385	147	-33	-82	-121	-224	-151	-189	80	7	35	4	-140
Dry (22%)	233	100	-54	-24	-6	-80	-84	16	68	53	-37	32	217
Critical (15%)	254	62	25	113	-39	5	14	7	3	81	-13	160	673

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-7-2-10. Sacramento/San Joaquin River Delta, Monthly Outflow Volume

Existing Condition

	Monthly Outflow Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	413	990	4,052	6,552	7,060	5,633	4,103	3,304	1,768	677	347	602	31,756
20%	283	453	2,192	4,127	4,418	3,868	2,934	1,867	878	537	292	468	24,054
30%	268	371	1,251	2,926	3,614	2,888	1,735	1,349	615	492	273	243	19,623
40%	246	345	721	1,947	2,846	2,081	1,580	1,199	473	492	246	229	15,491
50%	246	303	503	1,443	2,042	1,631	1,142	994	433	492	246	215	10,646
60%	246	285	397	1,078	1,317	1,331	942	765	422	400	246	202	8,880
70%	246	268	325	794	955	1,031	772	631	400	307	246	183	7,637
80%	246	268	308	609	776	787	664	536	375	307	246	179	6,490
90%	235	268	277	532	537	597	574	437	309	264	246	179	5,269
Long Term													
Full Simulation Period[a]	303	547	1,397	2,662	2,944	2,655	1,791	1,385	760	489	284	317	15,533
Water Year Types[b]													
Wet (32%)	399	847	2,963	5,282	5,402	4,855	3,237	2,523	1,395	703	328	569	28,504
Above Normal (15%)	247	576	1,108	3,040	3,517	3,331	1,903	1,488	702	580	246	218	16,956
Below Normal (17%)	275	349	735	1,412	2,066	1,477	1,305	1,002	476	440	246	205	9,989
Dry (22%)	256	413	546	906	1,170	1,222	841	645	395	309	297	199	7,200
Critical (15%)	256	300	340	697	733	732	539	369	317	261	251	179	4,973

Alternative 6A,6B,6C (LLT)

	Monthly Outflow Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	740	975	4,174	6,813	7,856	5,736	3,594	1,982	1,106	675	502	1,133	32,115
20%	720	874	2,369	4,584	4,971	4,215	2,268	1,274	689	617	461	1,086	25,494
30%	692	779	1,503	2,638	3,511	2,696	1,479	1,053	666	527	441	841	20,845
40%	575	681	1,203	1,846	2,669	1,975	1,209	935	591	492	425	632	16,490
50%	548	621	1,018	1,575	2,013	1,578	1,023	824	551	400	414	490	11,726
60%	522	564	919	1,338	1,405	1,266	883	735	510	375	396	462	10,329
70%	512	543	770	1,069	1,134	1,145	726	659	434	331	386	445	9,113
80%	485	523	649	934	1,020	979	667	588	423	309	376	437	8,400
90%	412	481	579	834	769	735	610	456	404	305	367	416	7,351
Long Term													
Full Simulation Period[a]	589	791	1,744	2,962	3,174	2,759	1,597	1,095	649	464	423	669	16,916
Water Year Types[b]													
Wet (32%)	681	1,082	3,178	5,827	5,836	5,112	2,899	1,797	949	655	482	1,066	29,564
Above Normal (15%)	544	815	1,558	3,151	3,670	3,416	1,527	1,182	650	508	434	672	18,127
Below Normal (17%)	598	655	1,162	1,540	2,091	1,420	1,136	858	592	382	406	473	11,314
Dry (22%)	542	629	967	1,161	1,322	1,266	808	665	458	331	386	450	8,985
Critical (15%)	492	535	670	928	950	808	566	410	348	301	361	363	6,733

Alternative 6A,6B,6C (LLT) minus Existing Condition

	Monthly Outflow Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	327	-15	122	260	796	103	-510	-1,322	-663	-1	154	532	360
20%	437	421	177	457	552	347	-666	-592	-189	81	170	618	1,440
30%	424	408	252	-288	-102	-192	-255	-296	52	35	167	599	1,223
40%	329	336	482	-101	-177	-107	-372	-264	119	0	179	403	999
50%	302	318	515	133	-29	-54	-119	-170	119	-92	168	276	1,081
60%	276	279	521	261	88	-66	-58	-30	87	-25	150	259	1,449
70%	266	275	445	276	178	114	-46	29	34	24	140	261	1,475
80%	239	255	341	325	244	192	3	52	48	2	130	258	1,910
90%	177	213	302	302	232	138	36	19	96	41	121	237	2,082
Long Term													
Full Simulation Period[a]	285	244	348	300	229	105	-194	-289	-111	-25	139	352	1,383
Water Year Types[b]													
Wet (32%)	282	235	215	545	434	257	-338	-726	-446	-49	153	496	1,060
Above Normal (15%)	297	238	451	111	153	85	-376	-306	-53	-72	188	454	1,171
Below Normal (17%)	323	307	427	127	25	-58	-168	-144	116	-58	160	268	1,325
Dry (22%)	286	216	421	255	152	43	-34	21	63	22	90	251	1,786
Critical (15%)	237	235	330	231	217	76	27	41	31	41	111	185	1,760

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-7-2-11. Sacramento/San Joaquin River Delta, Monthly Outflow Volume

Existing Condition

	Monthly Outflow Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	413	990	4,052	6,552	7,060	5,633	4,103	3,304	1,768	677	347	602	31,756
20%	283	453	2,192	4,127	4,418	3,868	2,934	1,867	878	537	292	468	24,054
30%	268	371	1,251	2,926	3,614	2,888	1,735	1,349	615	492	273	243	19,623
40%	246	345	721	1,947	2,846	2,081	1,580	1,199	473	492	246	229	15,491
50%	246	303	503	1,443	2,042	1,631	1,142	994	433	492	246	215	10,646
60%	246	285	397	1,078	1,317	1,331	942	765	422	400	246	202	8,880
70%	246	268	325	794	955	1,031	772	631	400	307	246	183	7,637
80%	246	268	308	609	776	787	664	536	375	307	246	179	6,490
90%	235	268	277	532	537	597	574	437	309	264	246	179	5,269
Long Term													
Full Simulation Period[a]	303	547	1,397	2,662	2,944	2,655	1,791	1,385	760	489	284	317	15,533
Water Year Types[b]													
Wet (32%)	399	847	2,963	5,282	5,402	4,855	3,237	2,523	1,395	703	328	569	28,504
Above Normal (15%)	247	576	1,108	3,040	3,517	3,331	1,903	1,488	702	580	246	218	16,956
Below Normal (17%)	275	349	735	1,412	2,066	1,477	1,305	1,002	476	440	246	205	9,989
Dry (22%)	256	413	546	906	1,170	1,222	841	645	395	309	297	199	7,200
Critical (15%)	256	300	340	697	733	732	539	369	317	261	251	179	4,973

Alternative 7 (LLT)

	Monthly Outflow Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	711	1,051	4,329	6,849	7,903	5,558	3,665	2,124	1,171	620	363	1,329	33,012
20%	690	938	2,242	4,757	5,161	4,228	2,309	1,303	758	557	313	1,298	25,651
30%	653	787	1,465	2,834	3,439	2,721	1,540	1,109	690	492	301	1,121	20,979
40%	624	699	1,207	1,810	2,894	2,027	1,263	937	651	492	283	792	16,808
50%	602	616	1,018	1,577	2,047	1,599	1,037	831	611	464	266	306	11,722
60%	572	572	924	1,337	1,400	1,327	890	720	569	346	246	254	10,277
70%	553	553	781	1,055	1,140	1,158	729	652	502	307	246	210	8,895
80%	519	522	652	940	1,025	999	669	584	473	307	246	179	8,173
90%	465	490	578	830	763	754	603	460	465	246	246	179	7,258
Long Term													
Full Simulation Period[a]	614	810	1,725	2,972	3,231	2,769	1,648	1,135	708	431	285	637	16,965
Water Year Types[b]													
Wet (32%)	694	1,124	3,116	5,835	5,942	5,072	2,992	1,872	1,003	547	252	1,272	29,720
Above Normal (15%)	612	836	1,567	3,198	3,762	3,433	1,609	1,248	720	555	262	754	18,556
Below Normal (17%)	597	660	1,152	1,553	2,118	1,476	1,168	858	635	399	318	205	11,139
Dry (22%)	570	637	964	1,149	1,346	1,302	822	660	497	327	308	223	8,804
Critical (15%)	529	540	678	937	951	824	571	461	458	251	309	267	6,777

Alternative 7 (LLT) minus Existing Condition

	Monthly Outflow Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	298	61	278	297	843	-75	-438	-1,180	-597	-57	16	727	1,256
20%	407	485	51	630	742	360	-625	-564	-120	21	21	830	1,597
30%	386	416	213	-92	-175	-167	-194	-239	76	0	28	879	1,357
40%	378	354	486	-137	49	-55	-317	-262	178	0	37	563	1,317
50%	356	313	516	134	5	-32	-105	-163	178	-27	20	92	1,076
60%	326	287	526	260	83	-4	-52	-45	146	-53	0	52	1,397
70%	307	285	456	261	184	127	-43	21	102	0	0	27	1,258
80%	273	255	343	330	249	212	4	48	99	0	0	0	1,683
90%	230	222	302	298	226	156	29	23	156	-18	0	0	1,989
Long Term													
Full Simulation Period[a]	311	263	328	311	286	115	-143	-249	-52	-57	1	320	1,433
Water Year Types[b]													
Wet (32%)	295	277	153	553	539	217	-245	-651	-393	-156	-77	703	1,216
Above Normal (15%)	365	259	459	157	245	102	-294	-240	18	-25	16	536	1,600
Below Normal (17%)	322	311	417	141	52	-1	-137	-144	159	-41	72	0	1,151
Dry (22%)	314	224	418	243	176	80	-19	15	102	18	11	24	1,605
Critical (15%)	273	240	338	239	219	92	33	92	141	-9	58	89	1,805

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-7-2-12. Sacramento/San Joaquin River Delta, Monthly Outflow Volume

Existing Condition

	Monthly Outflow Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	413	990	4,052	6,552	7,060	5,633	4,103	3,304	1,768	677	347	602	31,756
20%	283	453	2,192	4,127	4,418	3,868	2,934	1,867	878	537	292	468	24,054
30%	268	371	1,251	2,926	3,614	2,888	1,735	1,349	615	492	273	243	19,623
40%	246	345	721	1,947	2,846	2,081	1,580	1,199	473	492	246	229	15,491
50%	246	303	503	1,443	2,042	1,631	1,142	994	433	492	246	215	10,646
60%	246	285	397	1,078	1,317	1,331	942	765	422	400	246	202	8,880
70%	246	268	325	794	955	1,031	772	631	400	307	246	183	7,637
80%	246	268	308	609	776	787	664	536	375	307	246	179	6,490
90%	235	268	277	532	537	597	574	437	309	264	246	179	5,269
Long Term													
Full Simulation Period[a]	303	547	1,397	2,662	2,944	2,655	1,791	1,385	760	489	284	317	15,533
Water Year Types[b]													
Wet (32%)	399	847	2,963	5,282	5,402	4,855	3,237	2,523	1,395	703	328	569	28,504
Above Normal (15%)	247	576	1,108	3,040	3,517	3,331	1,903	1,488	702	580	246	218	16,956
Below Normal (17%)	275	349	735	1,412	2,066	1,477	1,305	1,002	476	440	246	205	9,989
Dry (22%)	256	413	546	906	1,170	1,222	841	645	395	309	297	199	7,200
Critical (15%)	256	300	340	697	733	732	539	369	317	261	251	179	4,973

Alternative 8 (LLT)

	Monthly Outflow Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	714	1,004	4,025	7,153	7,638	5,552	4,047	2,451	1,186	551	302	1,339	33,307
20%	680	898	2,371	4,564	5,178	4,248	2,630	1,743	801	492	283	1,302	26,156
30%	644	787	1,460	3,174	3,808	2,933	1,961	1,353	680	492	259	1,137	21,582
40%	621	681	1,181	2,039	3,026	2,094	1,630	1,228	630	492	246	811	18,487
50%	571	625	1,000	1,812	2,255	1,828	1,402	1,105	581	400	246	278	12,718
60%	541	584	921	1,367	1,547	1,556	1,267	975	511	307	246	234	11,357
70%	516	565	757	1,110	1,295	1,388	1,048	782	476	307	246	196	10,084
80%	481	553	653	960	1,174	1,151	953	661	464	307	246	179	8,892
90%	385	480	547	823	805	887	757	515	447	246	246	179	7,523
Long Term													
Full Simulation Period[a]	588	809	1,713	3,106	3,303	2,908	1,945	1,340	713	411	260	632	17,727
Water Year Types[b]													
Wet (32%)	658	1,118	3,148	6,033	5,879	5,105	3,237	2,134	1,049	540	246	1,276	30,421
Above Normal (15%)	610	800	1,457	3,396	3,853	3,495	2,010	1,422	730	493	246	762	19,276
Below Normal (17%)	572	667	1,149	1,718	2,275	1,679	1,617	1,137	597	363	246	193	12,214
Dry (22%)	554	661	948	1,204	1,543	1,610	1,139	827	478	312	279	212	9,767
Critical (15%)	487	535	663	948	1,008	945	676	543	452	251	292	251	7,050

Alternative 8 (LLT) minus Existing Condition

	Monthly Outflow Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	301	14	-27	601	577	-80	-56	-853	-583	-126	-45	737	1,552
20%	397	445	179	438	760	380	-304	-124	-77	-45	-9	833	2,103
30%	376	416	209	247	194	45	226	4	65	0	-14	894	1,960
40%	374	336	460	92	180	13	50	28	158	0	0	581	2,996
50%	326	322	497	369	213	197	260	111	148	-92	0	64	2,073
60%	295	300	524	290	230	225	325	209	88	-92	0	31	2,477
70%	270	297	432	316	340	357	276	151	76	0	0	13	2,447
80%	235	285	345	350	399	364	288	125	90	0	0	0	2,401
90%	150	212	271	291	268	290	183	78	138	-18	0	0	2,254
Long Term													
Full Simulation Period[a]	285	262	316	444	358	254	154	-45	-47	-78	-24	315	2,195
Water Year Types[b]													
Wet (32%)	259	271	185	751	477	251	0	-389	-346	-163	-82	706	1,917
Above Normal (15%)	363	224	350	356	336	164	108	-66	28	-87	0	543	2,320
Below Normal (17%)	297	318	415	306	209	201	312	135	121	-76	0	-12	2,225
Dry (22%)	298	248	402	298	374	387	297	182	84	3	-18	12	2,567
Critical (15%)	231	235	323	251	275	212	137	174	135	-9	41	73	2,077

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-7-2-13. Sacramento/San Joaquin River Delta, Monthly Outflow Volume

Existing Condition

	Monthly Outflow Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	413	990	4,052	6,552	7,060	5,633	4,103	3,304	1,768	677	347	602	31,756
20%	283	453	2,192	4,127	4,418	3,868	2,934	1,867	878	537	292	468	24,054
30%	268	371	1,251	2,926	3,614	2,888	1,735	1,349	615	492	273	243	19,623
40%	246	345	721	1,947	2,846	2,081	1,580	1,199	473	492	246	229	15,491
50%	246	303	503	1,443	2,042	1,631	1,142	994	433	492	246	215	10,646
60%	246	285	397	1,078	1,317	1,331	942	765	422	400	246	202	8,880
70%	246	268	325	794	955	1,031	772	631	400	307	246	183	7,637
80%	246	268	308	609	776	787	664	536	375	307	246	179	6,490
90%	235	268	277	532	537	597	574	437	309	264	246	179	5,269
Long Term													
Full Simulation Period[a]	303	547	1,397	2,662	2,944	2,655	1,791	1,385	760	489	284	317	15,533
Water Year Types[b]													
Wet (32%)	399	847	2,963	5,282	5,402	4,855	3,237	2,523	1,395	703	328	569	28,504
Above Normal (15%)	247	576	1,108	3,040	3,517	3,331	1,903	1,488	702	580	246	218	16,956
Below Normal (17%)	275	349	735	1,412	2,066	1,477	1,305	1,002	476	440	246	205	9,989
Dry (22%)	256	413	546	906	1,170	1,222	841	645	395	309	297	199	7,200
Critical (15%)	256	300	340	697	733	732	539	369	317	261	251	179	4,973

Alternative 9 (LLT)

	Monthly Outflow Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	690	947	4,438	7,191	7,950	5,712	3,904	2,335	952	688	365	1,283	33,307
20%	644	851	2,092	4,766	5,408	4,396	2,557	1,380	698	629	333	1,246	25,275
30%	622	768	1,039	3,114	3,887	3,083	1,593	1,031	652	534	321	1,039	20,765
40%	450	656	711	1,949	3,051	2,245	1,299	897	581	492	304	759	17,026
50%	425	581	394	1,443	2,178	1,748	986	835	523	415	283	203	10,717
60%	246	271	322	1,191	1,375	1,320	822	778	491	400	259	179	9,340
70%	246	268	284	843	1,021	1,157	693	740	432	321	246	179	7,883
80%	246	268	277	679	831	866	652	691	422	307	246	179	7,122
90%	184	208	277	569	585	637	593	438	373	284	246	179	5,964
Long Term													
Full Simulation Period[a]	424	634	1,357	2,941	3,256	2,856	1,697	1,180	648	455	292	599	16,339
Water Year Types[b]													
Wet (32%)	536	942	2,849	5,976	6,071	5,286	3,116	1,925	971	626	260	1,225	29,785
Above Normal (15%)	394	667	1,157	3,278	3,898	3,614	1,683	1,235	691	533	259	720	18,128
Below Normal (17%)	402	517	756	1,471	2,160	1,499	1,152	881	534	367	276	232	10,248
Dry (22%)	388	457	494	959	1,275	1,283	838	794	449	319	335	179	7,769
Critical (15%)	290	338	317	717	768	773	561	438	337	314	349	179	5,380

Alternative 9 (LLT) minus Existing Condition

	Monthly Outflow Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	277	-43	387	639	890	79	-200	-968	-816	11	18	682	1,551
20%	361	398	-100	639	990	528	-377	-487	-179	92	41	777	1,221
30%	354	397	-212	188	274	195	-142	-318	38	42	47	797	1,143
40%	203	311	-10	2	205	163	-282	-302	108	0	58	529	1,535
50%	179	278	-108	0	135	117	-156	-159	91	-77	37	-11	71
60%	0	-14	-76	113	59	-12	-119	13	69	0	13	-24	460
70%	0	0	-40	49	66	126	-79	109	33	13	0	-5	246
80%	0	0	-32	70	55	79	-13	155	48	0	0	0	632
90%	-50	-60	0	37	48	40	20	2	64	19	0	0	695
Long Term													
Full Simulation Period[a]	121	87	-40	280	312	201	-94	-205	-111	-34	8	281	807
Water Year Types[b]													
Wet (32%)	137	95	-113	695	669	432	-120	-598	-424	-77	-68	656	1,281
Above Normal (15%)	147	90	50	238	381	283	-220	-253	-11	-47	13	501	1,172
Below Normal (17%)	127	168	21	59	94	21	-153	-121	58	-73	30	27	259
Dry (22%)	132	44	-52	53	105	61	-4	149	54	10	39	-21	570
Critical (15%)	35	38	-23	19	35	41	22	69	20	53	98	0	407

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-7-2-14. Sacramento/San Joaquin River Delta, Monthly Outflow Volume

No Action Alternative (LLT)

	Monthly Outflow Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	691	920	4,191	6,547	7,794	5,726	4,064	2,445	1,107	834	387	1,264	33,411
20%	673	853	1,979	4,625	5,317	4,328	2,644	1,592	661	786	343	1,235	25,327
30%	650	768	1,040	2,966	3,591	3,037	1,741	1,164	611	666	324	1,013	20,961
40%	500	651	740	1,806	2,838	2,031	1,465	884	528	614	285	707	16,853
50%	477	606	564	1,357	2,036	1,566	1,088	804	497	509	255	206	10,729
60%	447	321	453	1,142	1,262	1,170	888	689	485	473	246	179	9,105
70%	409	268	338	878	1,022	1,064	690	626	439	400	246	179	7,773
80%	333	268	295	651	731	784	628	594	422	329	246	179	6,740
90%	287	230	277	541	546	600	590	437	394	307	246	179	5,941
Long Term													
Full Simulation Period[a]	509	645	1,360	2,851	3,154	2,773	1,762	1,176	628	552	292	580	16,282
Water Year Types[b]													
Wet (32%)	585	951	2,779	5,818	5,975	5,194	3,247	2,022	931	701	265	1,195	29,662
Above Normal (15%)	552	686	1,176	3,142	3,717	3,489	1,819	1,335	635	752	290	689	18,282
Below Normal (17%)	495	517	752	1,371	2,028	1,381	1,228	836	532	471	315	204	10,131
Dry (22%)	448	479	543	906	1,201	1,229	798	638	458	397	329	180	7,605
Critical (15%)	406	341	403	778	721	751	553	386	335	359	273	181	5,487

Alternative 1A,1B,1C (LLT)

	Monthly Outflow Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	916	726	4,033	6,636	8,270	5,988	3,611	1,897	1,036	628	304	367	31,160
20%	836	410	1,994	4,656	5,139	4,221	2,270	1,201	685	551	270	273	24,082
30%	752	277	1,062	2,693	3,446	2,645	1,322	949	650	508	247	230	18,959
40%	702	268	742	1,610	2,681	1,953	1,079	735	605	492	246	193	13,866
50%	578	268	568	1,373	1,909	1,503	786	701	558	483	246	179	10,031
60%	529	268	468	1,182	1,159	1,130	711	660	508	400	246	179	8,733
70%	400	268	361	973	933	958	660	621	449	316	246	179	7,340
80%	294	268	307	826	707	783	609	547	423	307	246	179	6,434
90%	214	268	277	660	597	587	580	438	393	307	217	179	5,822
Long Term													
Full Simulation Period[a]	596	454	1,374	2,819	3,121	2,712	1,532	1,024	637	447	254	240	15,210
Water Year Types[b]													
Wet (32%)	596	734	2,825	5,764	6,015	5,223	2,871	1,721	937	565	246	249	27,744
Above Normal (15%)	597	402	1,232	2,963	3,696	3,372	1,455	1,040	632	547	257	183	16,378
Below Normal (17%)	645	267	770	1,338	1,969	1,318	995	750	576	393	251	190	9,463
Dry (22%)	538	327	531	973	1,070	1,061	733	646	467	332	275	237	7,190
Critical (15%)	627	307	342	792	698	710	536	381	319	329	241	338	5,621

Alternative 1A,1B,1C (LLT) minus No Action Alternative (LLT)

	Monthly Outflow Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	225	-194	-159	89	476	262	-453	-547	-71	-205	-83	-897	-2,251
20%	164	-443	15	32	-178	-107	-374	-391	24	-235	-73	-961	-1,245
30%	101	-491	22	-274	-145	-392	-419	-215	39	-158	-77	-783	-2,003
40%	202	-383	2	-196	-158	-78	-386	-149	77	-122	-39	-513	-2,987
50%	100	-338	4	16	-126	-63	-302	-103	61	-26	-9	-28	-698
60%	82	-53	15	40	-102	-39	-177	-29	23	-73	0	0	-372
70%	-9	0	22	95	-90	-107	-29	-6	10	-84	0	0	-433
80%	-39	0	12	176	-24	-2	-19	-47	1	-22	0	0	-307
90%	-74	38	1	119	51	-12	-10	0	0	0	-29	0	-118
Long Term													
Full Simulation Period[a]	87	-191	14	-32	-33	-61	-229	-152	9	-105	-38	-341	-1,072
Water Year Types[b]													
Wet (32%)	10	-217	46	-54	40	29	-376	-301	6	-137	-19	-946	-1,918
Above Normal (15%)	45	-284	57	-179	-21	-116	-364	-295	-3	-205	-33	-506	-1,904
Below Normal (17%)	150	-249	18	-33	-59	-63	-234	-86	44	-79	-64	-14	-668
Dry (22%)	90	-152	-12	67	-131	-167	-65	8	9	-65	-54	57	-415
Critical (15%)	221	-33	-61	14	-24	-41	-17	-6	-16	-30	-32	158	134

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-7-2-15. Sacramento/San Joaquin River Delta, Monthly Outflow Volume

No Action Alternative (LLT)

	Monthly Outflow Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	691	920	4,191	6,547	7,794	5,726	4,064	2,445	1,107	834	387	1,264	33,411
20%	673	853	1,979	4,625	5,317	4,328	2,644	1,592	661	786	343	1,235	25,327
30%	650	768	1,040	2,966	3,591	3,037	1,741	1,164	611	666	324	1,013	20,961
40%	500	651	740	1,806	2,838	2,031	1,465	884	528	614	285	707	16,853
50%	477	606	564	1,357	2,036	1,566	1,088	804	497	509	255	206	10,729
60%	447	321	453	1,142	1,262	1,170	888	689	485	473	246	179	9,105
70%	409	268	338	878	1,022	1,064	690	626	439	400	246	179	7,773
80%	333	268	295	651	731	784	628	594	422	329	246	179	6,740
90%	287	230	277	541	546	600	590	437	394	307	246	179	5,941
Long Term													
Full Simulation Period[a]	509	645	1,360	2,851	3,154	2,773	1,762	1,176	628	552	292	580	16,282
Water Year Types[b]													
Wet (32%)	585	951	2,779	5,818	5,975	5,194	3,247	2,022	931	701	265	1,195	29,662
Above Normal (15%)	552	686	1,176	3,142	3,717	3,489	1,819	1,335	635	752	290	689	18,282
Below Normal (17%)	495	517	752	1,371	2,028	1,381	1,228	836	532	471	315	204	10,131
Dry (22%)	448	479	543	906	1,201	1,229	798	638	458	397	329	180	7,605
Critical (15%)	406	341	403	778	721	751	553	386	335	359	273	181	5,487

Alternative 2A,2B,2C (LLT)

	Monthly Outflow Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	812	991	3,745	6,445	7,541	5,834	3,650	1,899	1,047	652	307	1,339	31,294
20%	711	862	1,799	4,434	5,070	4,093	2,255	1,236	682	578	280	1,317	24,848
30%	673	768	1,003	2,576	3,273	2,448	1,377	987	636	519	252	1,134	19,680
40%	653	681	780	1,661	2,578	1,933	1,159	894	575	492	246	798	15,191
50%	634	561	650	1,371	1,855	1,379	916	816	543	492	246	405	10,010
60%	587	268	453	1,059	1,178	1,102	790	715	505	408	246	269	8,960
70%	498	268	349	891	1,044	902	679	667	461	331	246	211	7,458
80%	455	268	277	772	720	740	613	625	424	307	246	179	6,826
90%	352	214	277	684	553	599	581	438	392	307	229	179	6,082
Long Term													
Full Simulation Period[a]	596	632	1,334	2,727	3,056	2,650	1,560	1,078	634	459	257	654	15,638
Water Year Types[b]													
Wet (32%)	641	939	2,689	5,518	5,887	5,094	2,890	1,758	928	570	246	1,279	28,438
Above Normal (15%)	608	645	1,165	2,927	3,580	3,349	1,482	1,159	643	573	253	762	17,146
Below Normal (17%)	606	491	773	1,306	1,865	1,224	1,079	854	570	419	262	198	9,647
Dry (22%)	550	473	566	940	1,106	1,045	755	679	465	334	281	237	7,431
Critical (15%)	547	359	371	817	711	726	529	385	317	335	245	351	5,694

Alternative 2A,2B,2C (LLT) minus No Action Alternative (LLT)

	Monthly Outflow Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	121	71	-446	-102	-253	108	-414	-546	-60	-181	-81	74	-2,117
20%	38	8	-180	-190	-247	-235	-390	-356	22	-208	-63	82	-480
30%	22	0	-37	-390	-318	-589	-364	-177	25	-147	-72	122	-1,282
40%	154	30	40	-145	-260	-98	-306	10	47	-122	-39	91	-1,662
50%	157	-45	85	14	-181	-187	-172	12	46	-17	-9	198	-720
60%	141	-53	1	-83	-84	-67	-98	26	20	-65	0	91	-145
70%	89	0	10	13	21	-162	-10	40	21	-69	0	33	-315
80%	122	0	-18	122	-11	-44	-15	31	1	-22	0	0	86
90%	64	-16	0	143	7	0	-10	1	-1	0	-17	0	141
Long Term													
Full Simulation Period[a]	88	-13	-26	-124	-98	-123	-201	-97	6	-94	-35	74	-645
Water Year Types[b]													
Wet (32%)	56	-12	-90	-300	-88	-100	-357	-264	-3	-131	-19	84	-1,224
Above Normal (15%)	56	-41	-10	-215	-137	-140	-338	-175	8	-179	-37	72	-1,136
Below Normal (17%)	111	-25	21	-65	-163	-157	-150	18	38	-52	-54	-6	-484
Dry (22%)	101	-6	23	34	-95	-184	-44	41	8	-62	-48	57	-173
Critical (15%)	141	18	-32	40	-10	-25	-24	-1	-18	-24	-27	171	207

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-7-2-16. Sacramento/San Joaquin River Delta, Monthly Outflow Volume

No Action Alternative (LLT)

	Monthly Outflow Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	691	920	4,191	6,547	7,794	5,726	4,064	2,445	1,107	834	387	1,264	33,411
20%	673	853	1,979	4,625	5,317	4,328	2,644	1,592	661	786	343	1,235	25,327
30%	650	768	1,040	2,966	3,591	3,037	1,741	1,164	611	666	324	1,013	20,961
40%	500	651	740	1,806	2,838	2,031	1,465	884	528	614	285	707	16,853
50%	477	606	564	1,357	2,036	1,566	1,088	804	497	509	255	206	10,729
60%	447	321	453	1,142	1,262	1,170	888	689	485	473	246	179	9,105
70%	409	268	338	878	1,022	1,064	690	626	439	400	246	179	7,773
80%	333	268	295	651	731	784	628	594	422	329	246	179	6,740
90%	287	230	277	541	546	600	590	437	394	307	246	179	5,941
Long Term													
Full Simulation Period[a]	509	645	1,360	2,851	3,154	2,773	1,762	1,176	628	552	292	580	16,282
Water Year Types[b]													
Wet (32%)	585	951	2,779	5,818	5,975	5,194	3,247	2,022	931	701	265	1,195	29,662
Above Normal (15%)	552	686	1,176	3,142	3,717	3,489	1,819	1,335	635	752	290	689	18,282
Below Normal (17%)	495	517	752	1,371	2,028	1,381	1,228	836	532	471	315	204	10,131
Dry (22%)	448	479	543	906	1,201	1,229	798	638	458	397	329	180	7,605
Critical (15%)	406	341	403	778	721	751	553	386	335	359	273	181	5,487

Alternative 3 (LLT)

	Monthly Outflow Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	919	712	4,042	6,603	8,063	5,978	3,599	1,902	1,026	638	293	373	31,244
20%	801	411	2,033	4,766	5,078	4,236	2,260	1,220	682	577	261	292	24,188
30%	765	292	1,070	2,667	3,455	2,835	1,293	969	635	509	246	238	19,059
40%	724	268	796	1,632	2,815	1,969	1,059	750	590	492	246	200	14,156
50%	571	268	618	1,412	1,909	1,564	771	698	561	487	246	179	10,121
60%	500	268	489	1,162	1,168	1,111	694	671	500	400	246	179	8,702
70%	411	268	392	926	981	980	655	620	451	336	246	179	7,366
80%	294	268	308	839	722	791	610	565	424	307	246	179	6,593
90%	187	268	277	677	576	588	568	438	397	307	223	179	5,836
Long Term													
Full Simulation Period[a]	596	455	1,397	2,855	3,142	2,717	1,524	1,033	635	455	252	245	15,305
Water Year Types[b]													
Wet (32%)	609	726	2,855	5,808	6,018	5,210	2,867	1,738	932	577	246	250	27,836
Above Normal (15%)	632	411	1,248	3,051	3,688	3,372	1,434	1,059	631	554	254	194	16,529
Below Normal (17%)	596	267	800	1,339	1,991	1,320	999	748	576	401	254	208	9,500
Dry (22%)	524	332	570	990	1,148	1,097	715	651	463	338	264	234	7,326
Critical (15%)	639	312	326	827	696	723	533	382	324	329	243	342	5,675

Alternative 3 (LLT) minus No Action Alternative (LLT)

	Monthly Outflow Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	228	-208	-149	56	268	251	-465	-543	-81	-196	-95	-891	-2,167
20%	129	-443	54	141	-238	-92	-384	-371	21	-208	-81	-942	-1,139
30%	114	-476	30	-299	-136	-202	-448	-195	24	-157	-78	-774	-1,902
40%	224	-383	56	-174	-23	-62	-406	-134	62	-122	-39	-507	-2,697
50%	94	-338	54	56	-127	-2	-317	-106	64	-23	-9	-28	-608
60%	54	-53	36	20	-94	-59	-195	-18	15	-73	0	0	-403
70%	2	0	54	48	-42	-84	-35	-6	12	-64	0	0	-407
80%	-39	0	13	189	-9	7	-18	-30	1	-22	0	0	-148
90%	-101	38	0	136	30	-12	-23	0	4	0	-23	0	-105
Long Term													
Full Simulation Period[a]	87	-191	37	4	-12	-55	-237	-143	7	-97	-40	-336	-977
Water Year Types[b]													
Wet (32%)	23	-225	76	-10	43	16	-379	-284	1	-124	-19	-945	-1,826
Above Normal (15%)	80	-275	72	-91	-30	-116	-385	-275	-5	-197	-36	-495	-1,753
Below Normal (17%)	101	-249	48	-32	-36	-61	-229	-88	44	-70	-62	4	-631
Dry (22%)	75	-147	27	84	-53	-131	-84	13	5	-58	-64	54	-278
Critical (15%)	232	-28	-78	49	-25	-28	-20	-5	-11	-29	-29	161	188

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-7-2-17. Sacramento/San Joaquin River Delta, Monthly Outflow Volume

No Action Alternative (LLT)

	Monthly Outflow Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	691	920	4,191	6,547	7,794	5,726	4,064	2,445	1,107	834	387	1,264	33,411
20%	673	853	1,979	4,625	5,317	4,328	2,644	1,592	661	786	343	1,235	25,327
30%	650	768	1,040	2,966	3,591	3,037	1,741	1,164	611	666	324	1,013	20,961
40%	500	651	740	1,806	2,838	2,031	1,465	884	528	614	285	707	16,853
50%	477	606	564	1,357	2,036	1,566	1,088	804	497	509	255	206	10,729
60%	447	321	453	1,142	1,262	1,170	888	689	485	473	246	179	9,105
70%	409	268	338	878	1,022	1,064	690	626	439	400	246	179	7,773
80%	333	268	295	651	731	784	628	594	422	329	246	179	6,740
90%	287	230	277	541	546	600	590	437	394	307	246	179	5,941
Long Term													
Full Simulation Period[a]	509	645	1,360	2,851	3,154	2,773	1,762	1,176	628	552	292	580	16,282
Water Year Types[b]													
Wet (32%)	585	951	2,779	5,818	5,975	5,194	3,247	2,022	931	701	265	1,195	29,662
Above Normal (15%)	552	686	1,176	3,142	3,717	3,489	1,819	1,335	635	752	290	689	18,282
Below Normal (17%)	495	517	752	1,371	2,028	1,381	1,228	836	532	471	315	204	10,131
Dry (22%)	448	479	543	906	1,201	1,229	798	638	458	397	329	180	7,605
Critical (15%)	406	341	403	778	721	751	553	386	335	359	273	181	5,487

Alternative 4 H1 (LLT)

	Monthly Outflow Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	810	897	3,948	6,656	8,125	5,787	3,581	2,024	1,173	677	314	399	30,883
20%	703	318	2,083	4,775	5,148	4,271	2,261	1,293	682	578	284	305	24,344
30%	616	274	1,034	2,645	3,433	2,709	1,394	1,033	652	531	261	244	19,414
40%	549	268	864	1,830	2,721	2,005	1,156	903	585	492	246	207	14,635
50%	512	268	647	1,413	1,879	1,496	942	816	553	490	246	179	10,114
60%	486	268	513	1,219	1,192	1,115	806	732	506	405	246	179	9,029
70%	466	268	457	946	1,045	958	686	672	451	329	246	179	7,456
80%	436	268	351	775	736	742	620	625	431	307	246	179	6,678
90%	352	213	277	669	557	597	581	438	389	307	225	179	5,897
Long Term													
Full Simulation Period[a]	555	457	1,426	2,858	3,130	2,702	1,581	1,094	644	463	261	246	15,418
Water Year Types[b]													
Wet (32%)	585	753	2,885	5,792	5,980	5,162	2,928	1,802	939	584	246	253	27,910
Above Normal (15%)	565	434	1,226	3,113	3,723	3,476	1,507	1,186	654	595	255	195	16,929
Below Normal (17%)	578	273	809	1,367	1,977	1,248	1,103	843	588	407	272	196	9,661
Dry (22%)	506	318	603	961	1,127	1,079	756	677	470	343	281	254	7,374
Critical (15%)	528	259	421	830	710	731	533	389	319	318	257	332	5,627

Alternative 4 H1 (LLT) minus No Action Alternative (LLT)

	Monthly Outflow Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	119	-24	-244	109	331	61	-483	-420	66	-157	-73	-866	-2,527
20%	31	-535	104	150	-169	-57	-383	-299	21	-207	-58	-929	-983
30%	-34	-494	-6	-321	-158	-329	-347	-131	42	-135	-63	-769	-1,548
40%	49	-383	124	23	-117	-26	-309	19	57	-122	-39	-500	-2,218
50%	35	-338	83	56	-157	-70	-146	12	56	-19	-9	-28	-615
60%	39	-53	60	78	-70	-55	-82	43	21	-68	0	0	-76
70%	57	0	119	68	22	-106	-3	46	11	-71	0	0	-317
80%	103	0	56	124	5	-43	-9	31	8	-22	0	0	-62
90%	64	-18	0	128	11	-3	-10	1	-5	0	-21	0	-44
Long Term													
Full Simulation Period[a]	46	-189	67	7	-24	-71	-180	-81	15	-89	-31	-334	-864
Water Year Types[b]													
Wet (32%)	0	-198	107	-26	5	-32	-319	-220	8	-117	-19	-942	-1,752
Above Normal (15%)	13	-252	50	-29	5	-13	-312	-149	19	-157	-35	-494	-1,353
Below Normal (17%)	82	-244	57	-4	-50	-133	-125	7	56	-65	-43	-8	-470
Dry (22%)	57	-161	60	55	-73	-150	-42	39	12	-54	-48	74	-231
Critical (15%)	122	-82	18	52	-11	-20	-20	2	-16	-40	-15	152	140

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-7-2-18. Sacramento/San Joaquin River Delta, Monthly Outflow Volume

No Action Alternative (LLT)

	Monthly Outflow Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	691	920	4,191	6,547	7,794	5,726	4,064	2,445	1,107	834	387	1,264	33,411
20%	673	853	1,979	4,625	5,317	4,328	2,644	1,592	661	786	343	1,235	25,327
30%	650	768	1,040	2,966	3,591	3,037	1,741	1,164	611	666	324	1,013	20,961
40%	500	651	740	1,806	2,838	2,031	1,465	884	528	614	285	707	16,853
50%	477	606	564	1,357	2,036	1,566	1,088	804	497	509	255	206	10,729
60%	447	321	453	1,142	1,262	1,170	888	689	485	473	246	179	9,105
70%	409	268	338	878	1,022	1,064	690	626	439	400	246	179	7,773
80%	333	268	295	651	731	784	628	594	422	329	246	179	6,740
90%	287	230	277	541	546	600	590	437	394	307	246	179	5,941
Long Term													
Full Simulation Period[a]	509	645	1,360	2,851	3,154	2,773	1,762	1,176	628	552	292	580	16,282
Water Year Types[b]													
Wet (32%)	585	951	2,779	5,818	5,975	5,194	3,247	2,022	931	701	265	1,195	29,662
Above Normal (15%)	552	686	1,176	3,142	3,717	3,489	1,819	1,335	635	752	290	689	18,282
Below Normal (17%)	495	517	752	1,371	2,028	1,381	1,228	836	532	471	315	204	10,131
Dry (22%)	448	479	543	906	1,201	1,229	798	638	458	397	329	180	7,605
Critical (15%)	406	341	403	778	721	751	553	386	335	359	273	181	5,487

Alternative 4 H2 (LLT)

	Monthly Outflow Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	789	899	3,679	7,106	7,996	5,859	3,673	2,675	1,162	656	317	422	31,371
20%	717	327	2,069	4,387	5,196	4,277	2,590	1,540	678	560	270	333	26,389
30%	580	284	1,068	2,903	3,652	2,744	2,026	1,294	641	493	249	261	20,065
40%	536	268	847	2,031	2,721	2,140	1,714	1,123	572	492	246	234	15,592
50%	504	268	641	1,439	1,883	1,696	1,478	932	536	492	246	200	11,455
60%	490	268	480	1,200	1,186	1,408	1,048	786	482	406	246	186	9,130
70%	473	268	395	951	1,052	1,148	749	673	440	319	246	179	7,612
80%	434	268	281	866	716	816	608	614	428	307	246	179	6,817
90%	342	209	277	672	555	639	578	448	389	307	216	179	5,862
Long Term													
Full Simulation Period[a]	552	463	1,437	2,867	3,147	2,826	1,820	1,217	633	451	259	264	15,937
Water Year Types[b]													
Wet (32%)	578	756	2,986	5,767	5,979	5,306	3,238	2,035	925	564	246	259	28,640
Above Normal (15%)	575	445	1,137	3,109	3,771	3,518	1,937	1,380	621	542	247	212	17,494
Below Normal (17%)	529	301	790	1,409	2,039	1,522	1,471	953	591	398	268	240	10,510
Dry (22%)	507	322	585	1,009	1,128	1,186	822	679	462	352	291	261	7,605
Critical (15%)	566	249	411	833	710	744	533	395	317	328	243	361	5,690

Alternative 4 H2 (LLT) minus No Action Alternative (LLT)

	Monthly Outflow Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	98	-21	-513	559	201	132	-391	230	55	-178	-70	-842	-2,039
20%	45	-527	91	-238	-121	-51	-54	-52	17	-226	-73	-902	1,061
30%	-70	-484	28	-63	61	-294	285	130	31	-173	-75	-751	-897
40%	36	-383	107	225	-117	109	249	239	44	-122	-39	-473	-1,261
50%	26	-338	77	82	-152	130	390	128	39	-17	-9	-6	726
60%	43	-53	27	59	-76	238	159	97	-3	-67	0	7	25
70%	65	0	57	73	29	84	59	47	1	-81	0	0	-161
80%	101	0	-15	216	-15	32	-20	20	5	-22	0	0	77
90%	55	-21	0	131	9	39	-12	10	-4	0	-30	0	-79
Long Term													
Full Simulation Period[a]	43	-182	77	16	-6	53	58	41	5	-101	-33	-316	-345
Water Year Types[b]													
Wet (32%)	-8	-195	208	-51	4	112	-8	14	-5	-137	-19	-936	-1,022
Above Normal (15%)	22	-241	-38	-33	54	29	118	45	-14	-209	-43	-477	-788
Below Normal (17%)	34	-215	38	38	11	140	243	117	58	-74	-47	36	378
Dry (22%)	59	-157	43	103	-72	-43	24	41	4	-44	-38	81	0
Critical (15%)	160	-91	8	55	-12	-7	-20	9	-18	-31	-29	180	203

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-7-2-19. Sacramento/San Joaquin River Delta, Monthly Outflow Volume

No Action Alternative (LLT)

	Monthly Outflow Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	691	920	4,191	6,547	7,794	5,726	4,064	2,445	1,107	834	387	1,264	33,411
20%	673	853	1,979	4,625	5,317	4,328	2,644	1,592	661	786	343	1,235	25,327
30%	650	768	1,040	2,966	3,591	3,037	1,741	1,164	611	666	324	1,013	20,961
40%	500	651	740	1,806	2,838	2,031	1,465	884	528	614	285	707	16,853
50%	477	606	564	1,357	2,036	1,566	1,088	804	497	509	255	206	10,729
60%	447	321	453	1,142	1,262	1,170	888	689	485	473	246	179	9,105
70%	409	268	338	878	1,022	1,064	690	626	439	400	246	179	7,773
80%	333	268	295	651	731	784	628	594	422	329	246	179	6,740
90%	287	230	277	541	546	600	590	437	394	307	246	179	5,941
Long Term													
Full Simulation Period[a]	509	645	1,360	2,851	3,154	2,773	1,762	1,176	628	552	292	580	16,282
Water Year Types[b]													
Wet (32%)	585	951	2,779	5,818	5,975	5,194	3,247	2,022	931	701	265	1,195	29,662
Above Normal (15%)	552	686	1,176	3,142	3,717	3,489	1,819	1,335	635	752	290	689	18,282
Below Normal (17%)	495	517	752	1,371	2,028	1,381	1,228	836	532	471	315	204	10,131
Dry (22%)	448	479	543	906	1,201	1,229	798	638	458	397	329	180	7,605
Critical (15%)	406	341	403	778	721	751	553	386	335	359	273	181	5,487

Alternative 4 H3 (LLT)

	Monthly Outflow Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	785	1,002	3,690	6,348	7,495	5,827	3,617	2,024	1,173	688	309	1,339	31,482
20%	690	864	1,861	4,547	5,142	4,156	2,257	1,293	674	587	280	1,302	24,846
30%	661	768	1,021	2,621	3,376	2,545	1,393	1,037	652	533	260	1,122	19,873
40%	643	681	796	1,689	2,703	2,001	1,159	898	580	492	246	794	15,931
50%	622	605	664	1,401	1,882	1,383	935	814	543	492	246	401	10,270
60%	531	268	466	1,041	1,183	1,096	791	729	503	411	246	270	8,998
70%	467	268	346	869	1,048	928	679	671	452	343	246	238	7,491
80%	441	268	277	788	711	816	612	617	426	307	246	179	6,898
90%	361	208	277	676	553	601	581	438	397	307	221	179	6,087
Long Term													
Full Simulation Period[a]	585	638	1,345	2,756	3,088	2,663	1,574	1,096	640	468	259	654	15,767
Water Year Types[b]													
Wet (32%)	641	962	2,706	5,573	5,929	5,101	2,914	1,800	937	590	246	1,273	28,673
Above Normal (15%)	597	655	1,176	2,961	3,615	3,396	1,512	1,191	658	595	255	752	17,361
Below Normal (17%)	617	492	750	1,330	1,914	1,206	1,096	852	574	423	274	200	9,728
Dry (22%)	516	471	585	946	1,133	1,074	751	679	465	338	280	250	7,486
Critical (15%)	516	343	395	829	706	729	529	386	317	327	245	352	5,674

Alternative 4 H3 (LLT) minus No Action Alternative (LLT)

	Monthly Outflow Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	95	82	-502	-198	-300	100	-447	-421	66	-145	-78	74	-1,929
20%	17	10	-117	-78	-175	-172	-388	-299	13	-199	-62	67	-482
30%	11	0	-19	-345	-215	-492	-348	-127	41	-133	-64	110	-1,088
40%	144	30	56	-117	-135	-30	-306	13	52	-122	-39	87	-922
50%	145	-1	100	44	-154	-183	-153	11	46	-17	-9	194	-459
60%	85	-53	14	-100	-78	-73	-97	40	18	-62	0	91	-107
70%	58	0	8	-9	25	-136	-10	44	13	-57	0	60	-282
80%	108	0	-18	137	-20	31	-16	23	3	-22	0	0	158
90%	74	-22	0	135	7	1	-9	1	4	0	-25	0	147
Long Term													
Full Simulation Period[a]	76	-7	-15	-95	-66	-110	-187	-80	11	-84	-33	74	-516
Water Year Types[b]													
Wet (32%)	56	11	-72	-245	-46	-92	-332	-222	6	-111	-19	78	-989
Above Normal (15%)	45	-31	1	-181	-102	-93	-308	-144	22	-157	-35	63	-921
Below Normal (17%)	122	-25	-2	-42	-113	-175	-133	16	42	-49	-42	-4	-403
Dry (22%)	67	-8	42	40	-68	-155	-48	41	8	-59	-49	70	-119
Critical (15%)	110	2	-8	51	-15	-22	-24	-1	-19	-32	-28	171	187

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-7-2-20. Sacramento/San Joaquin River Delta, Monthly Outflow Volume

No Action Alternative (LLT)

	Monthly Outflow Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	691	920	4,191	6,547	7,794	5,726	4,064	2,445	1,107	834	387	1,264	33,411
20%	673	853	1,979	4,625	5,317	4,328	2,644	1,592	661	786	343	1,235	25,327
30%	650	768	1,040	2,966	3,591	3,037	1,741	1,164	611	666	324	1,013	20,961
40%	500	651	740	1,806	2,838	2,031	1,465	884	528	614	285	707	16,853
50%	477	606	564	1,357	2,036	1,566	1,088	804	497	509	255	206	10,729
60%	447	321	453	1,142	1,262	1,170	888	689	485	473	246	179	9,105
70%	409	268	338	878	1,022	1,064	690	626	439	400	246	179	7,773
80%	333	268	295	651	731	784	628	594	422	329	246	179	6,740
90%	287	230	277	541	546	600	590	437	394	307	246	179	5,941
Long Term													
Full Simulation Period[a]	509	645	1,360	2,851	3,154	2,773	1,762	1,176	628	552	292	580	16,282
Water Year Types[b]													
Wet (32%)	585	951	2,779	5,818	5,975	5,194	3,247	2,022	931	701	265	1,195	29,662
Above Normal (15%)	552	686	1,176	3,142	3,717	3,489	1,819	1,335	635	752	290	689	18,282
Below Normal (17%)	495	517	752	1,371	2,028	1,381	1,228	836	532	471	315	204	10,131
Dry (22%)	448	479	543	906	1,201	1,229	798	638	458	397	329	180	7,605
Critical (15%)	406	341	403	778	721	751	553	386	335	359	273	181	5,487

Alternative 4 H4 (LLT)

	Monthly Outflow Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	791	1,002	3,800	6,918	7,941	5,859	3,695	2,674	1,164	657	324	1,330	32,309
20%	692	864	1,890	4,322	5,186	4,241	2,591	1,539	679	605	274	1,302	26,813
30%	653	768	1,053	2,625	3,531	2,781	2,015	1,301	651	496	247	1,131	20,224
40%	642	688	826	1,700	2,856	2,085	1,730	1,101	578	492	246	781	16,486
50%	617	592	620	1,359	1,883	1,635	1,473	928	524	492	246	441	11,425
60%	529	271	469	980	1,172	1,390	1,048	771	465	400	246	331	9,410
70%	470	268	300	864	1,052	1,090	712	677	436	332	246	245	7,545
80%	417	268	277	779	733	816	615	613	427	307	246	190	6,955
90%	342	230	277	605	555	630	589	448	383	307	229	179	6,190
Long Term													
Full Simulation Period[a]	578	645	1,350	2,769	3,099	2,789	1,813	1,214	631	461	260	669	16,277
Water Year Types[b]													
Wet (32%)	645	948	2,763	5,647	5,906	5,252	3,221	2,039	916	582	246	1,274	29,438
Above Normal (15%)	622	667	1,133	2,956	3,650	3,451	1,948	1,380	625	562	246	767	18,007
Below Normal (17%)	568	516	737	1,360	1,971	1,470	1,451	936	591	415	268	221	10,506
Dry (22%)	504	482	585	926	1,139	1,184	822	674	462	345	291	277	7,690
Critical (15%)	514	359	368	754	722	735	537	394	317	327	248	369	5,645

Alternative 4 H4 (LLT) minus No Action Alternative (LLT)

	Monthly Outflow Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	100	82	**-391**	371	147	133	**-369**	230	57	**-176**	**-63**	65	**-1,101**
20%	19	10	**-89**	**-303**	**-131**	**-87**	**-54**	**-52**	19	**-181**	**-69**	67	1,486
30%	3	0	13	**-341**	**-60**	**-256**	274	137	40	**-170**	**-77**	118	**-737**
40%	142	37	86	**-106**	18	53	265	217	50	**-122**	**-39**	74	**-367**
50%	140	**-14**	55	2	**-153**	70	385	124	27	**-17**	**-9**	235	695
60%	83	**-50**	16	**-162**	**-90**	220	160	82	**-20**	**-73**	**0**	152	305
70%	61	**0**	**-38**	**-14**	29	26	22	51	**-4**	**-68**	**0**	66	**-228**
80%	84	0	**-18**	128	2	32	**-13**	19	5	**-22**	0	12	215
90%	55	**0**	**0**	64	9	30	**-1**	10	**-10**	0	**-17**	0	249
Long Term													
Full Simulation Period[a]	69	**-1**	**-10**	**-82**	**-55**	16	52	38	2	**-91**	**-32**	88	**-5**
Water Year Types[b]													
Wet (32%)	59	**-3**	**-16**	**-171**	**-68**	58	**-26**	17	**-14**	**-120**	**-19**	79	**-224**
Above Normal (15%)	70	**-19**	**-43**	**-186**	**-67**	**-38**	128	45	**-10**	**-190**	**-44**	78	**-275**
Below Normal (17%)	73	**-1**	**-15**	**-11**	**-56**	89	223	100	59	**-57**	**-47**	17	374
Dry (22%)	56	3	42	20	**-62**	**-45**	24	36	5	**-52**	**-38**	97	85
Critical (15%)	108	18	**-35**	**-24**	1	**-16**	**-16**	8	**-18**	**-32**	**-25**	188	159

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-7-2-21. Sacramento/San Joaquin River Delta, Monthly Outflow Volume

No Action Alternative (LLT)

	Monthly Outflow Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	691	920	4,191	6,547	7,794	5,726	4,064	2,445	1,107	834	387	1,264	33,411
20%	673	853	1,979	4,625	5,317	4,328	2,644	1,592	661	786	343	1,235	25,327
30%	650	768	1,040	2,966	3,591	3,037	1,741	1,164	611	666	324	1,013	20,961
40%	500	651	740	1,806	2,838	2,031	1,465	884	528	614	285	707	16,853
50%	477	606	564	1,357	2,036	1,566	1,088	804	497	509	255	206	10,729
60%	447	321	453	1,142	1,262	1,170	888	689	485	473	246	179	9,105
70%	409	268	338	878	1,022	1,064	690	626	439	400	246	179	7,773
80%	333	268	295	651	731	784	628	594	422	329	246	179	6,740
90%	287	230	277	541	546	600	590	437	394	307	246	179	5,941
Long Term													
Full Simulation Period[a]	509	645	1,360	2,851	3,154	2,773	1,762	1,176	628	552	292	580	16,282
Water Year Types[b]													
Wet (32%)	585	951	2,779	5,818	5,975	5,194	3,247	2,022	931	701	265	1,195	29,662
Above Normal (15%)	552	686	1,176	3,142	3,717	3,489	1,819	1,335	635	752	290	689	18,282
Below Normal (17%)	495	517	752	1,371	2,028	1,381	1,228	836	532	471	315	204	10,131
Dry (22%)	448	479	543	906	1,201	1,229	798	638	458	397	329	180	7,605
Critical (15%)	406	341	403	778	721	751	553	386	335	359	273	181	5,487

Alternative 5 (LLT)

	Monthly Outflow Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	735	986	3,846	6,581	7,753	5,603	3,885	2,260	1,112	734	287	1,320	32,569
20%	700	850	1,765	4,753	5,143	4,221	2,463	1,394	678	643	268	1,300	24,800
30%	654	766	995	2,782	3,431	2,876	1,572	1,065	615	596	259	1,103	20,193
40%	652	698	746	1,659	2,805	1,967	1,288	852	568	504	250	790	16,226
50%	624	669	518	1,281	1,970	1,402	980	801	517	492	246	381	10,351
60%	592	307	362	1,071	1,209	1,083	815	704	493	449	246	306	9,064
70%	442	268	296	875	999	994	694	651	447	378	246	225	7,353
80%	404	268	277	750	729	746	610	596	427	309	246	191	6,593
90%	244	268	277	565	573	598	581	437	422	307	225	179	6,023
Long Term													
Full Simulation Period[a]	567	649	1,306	2,787	3,118	2,692	1,669	1,126	622	493	257	648	15,933
Water Year Types[b]													
Wet (32%)	584	963	2,711	5,713	5,963	5,090	3,086	1,901	908	623	251	1,262	29,055
Above Normal (15%)	594	637	1,126	2,982	3,677	3,456	1,684	1,259	622	612	253	762	17,664
Below Normal (17%)	661	496	702	1,330	1,946	1,254	1,154	813	557	447	281	209	9,848
Dry (22%)	488	513	493	882	1,164	1,142	758	661	463	362	260	231	7,417
Critical (15%)	510	362	366	811	694	737	553	376	320	341	238	339	5,646

Alternative 5 (LLT) minus No Action Alternative (LLT)

	Monthly Outflow Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	44	65	-345	34	-42	-123	-179	-184	5	-99	-100	56	-842
20%	27	-4	-213	128	-174	-107	-181	-197	17	-143	-74	65	-528
30%	4	-2	-45	-184	-160	-161	-169	-99	4	-70	-65	90	-768
40%	153	47	6	-147	-33	-64	-176	-32	40	-111	-35	84	-627
50%	147	64	-46	-76	-66	-164	-108	-3	20	-17	-9	175	-378
60%	145	-14	-91	-71	-53	-87	-73	15	8	-24	0	128	-41
70%	33	0	-42	-3	-23	-70	4	25	7	-22	0	47	-421
80%	70	0	-19	99	-3	-39	-18	1	5	-20	0	12	-147
90%	-43	38	0	24	27	-1	-9	0	29	0	-20	0	82
Long Term													
Full Simulation Period[a]	58	4	-54	-64	-36	-81	-92	-50	-6	-60	-36	67	-349
Water Year Types[b]													
Wet (32%)	-1	12	-67	-105	-12	-104	-160	-120	-23	-79	-14	68	-607
Above Normal (15%)	42	-49	-49	-160	-41	-32	-135	-76	-13	-140	-37	73	-617
Below Normal (17%)	165	-21	-50	-41	-82	-128	-74	-23	24	-24	-34	5	-283
Dry (22%)	40	33	-50	-24	-37	-86	-40	23	6	-34	-69	51	-188
Critical (15%)	103	21	-38	33	-27	-14	0	-11	-15	-17	-35	158	159

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-7-2-22. Sacramento/San Joaquin River Delta, Monthly Outflow Volume

No Action Alternative (LLT)

	Monthly Outflow Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	691	920	4,191	6,547	7,794	5,726	4,064	2,445	1,107	834	387	1,264	33,411
20%	673	853	1,979	4,625	5,317	4,328	2,644	1,592	661	786	343	1,235	25,327
30%	650	768	1,040	2,966	3,591	3,037	1,741	1,164	611	666	324	1,013	20,961
40%	500	651	740	1,806	2,838	2,031	1,465	884	528	614	285	707	16,853
50%	477	606	564	1,357	2,036	1,566	1,088	804	497	509	255	206	10,729
60%	447	321	453	1,142	1,262	1,170	888	689	485	473	246	179	9,105
70%	409	268	338	878	1,022	1,064	690	626	439	400	246	179	7,773
80%	333	268	295	651	731	784	628	594	422	329	246	179	6,740
90%	287	230	277	541	546	600	590	437	394	307	246	179	5,941
Long Term													
Full Simulation Period[a]	509	645	1,360	2,851	3,154	2,773	1,762	1,176	628	552	292	580	16,282
Water Year Types[b]													
Wet (32%)	585	951	2,779	5,818	5,975	5,194	3,247	2,022	931	701	265	1,195	29,662
Above Normal (15%)	552	686	1,176	3,142	3,717	3,489	1,819	1,335	635	752	290	689	18,282
Below Normal (17%)	495	517	752	1,371	2,028	1,381	1,228	836	532	471	315	204	10,131
Dry (22%)	448	479	543	906	1,201	1,229	798	638	458	397	329	180	7,605
Critical (15%)	406	341	403	778	721	751	553	386	335	359	273	181	5,487

Alternative 6A,6B,6C (LLT)

	Monthly Outflow Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	740	975	4,174	6,813	7,856	5,736	3,594	1,982	1,106	675	502	1,133	32,115
20%	720	874	2,369	4,584	4,971	4,215	2,268	1,274	689	617	461	1,086	25,494
30%	692	779	1,503	2,638	3,511	2,696	1,479	1,053	666	527	441	841	20,845
40%	575	681	1,203	1,846	2,669	1,975	1,209	935	591	492	425	632	16,490
50%	548	621	1,018	1,575	2,013	1,578	1,023	824	551	400	414	490	11,726
60%	522	564	919	1,338	1,405	1,266	883	735	510	375	396	462	10,329
70%	512	543	770	1,069	1,134	1,145	726	659	434	331	386	445	9,113
80%	485	523	649	934	1,020	979	667	588	423	309	376	437	8,400
90%	412	481	579	834	769	735	610	456	404	305	367	416	7,351
Long Term													
Full Simulation Period[a]	589	791	1,744	2,962	3,174	2,759	1,597	1,095	649	464	423	669	16,916
Water Year Types[b]													
Wet (32%)	681	1,082	3,178	5,827	5,836	5,112	2,899	1,797	949	655	482	1,066	29,564
Above Normal (15%)	544	815	1,558	3,151	3,670	3,416	1,527	1,182	650	508	434	672	18,127
Below Normal (17%)	598	655	1,162	1,540	2,091	1,420	1,136	858	592	382	406	473	11,314
Dry (22%)	542	629	967	1,161	1,322	1,266	808	665	458	331	386	450	8,985
Critical (15%)	492	535	670	928	950	808	566	410	348	301	361	363	6,733

Alternative 6A,6B,6C (LLT) minus No Action Alternative (LLT)

	Monthly Outflow Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	49	55	-18	266	62	9	-470	-463	-1	-158	114	-131	-1,295
20%	47	20	390	-41	-346	-113	-376	-317	28	-168	119	-149	167
30%	41	11	464	-328	-79	-341	-261	-111	56	-139	117	-171	-116
40%	75	30	463	40	-169	-57	-256	51	63	-122	140	-74	-363
50%	71	15	454	218	-22	12	-65	20	54	-109	158	284	997
60%	75	242	466	197	143	96	-5	46	25	-98	150	283	1,224
70%	103	275	432	191	111	81	37	33	-6	-68	140	266	1,339
80%	152	255	354	283	289	194	38	-7	0	-20	130	258	1,660
90%	124	251	302	293	223	136	19	18	11	-2	121	237	1,410
Long Term													
Full Simulation Period[a]	80	145	385	111	20	-14	-165	-80	20	-89	131	89	633
Water Year Types[b]													
Wet (32%)	96	131	399	9	-139	-82	-348	-224	19	-47	217	-129	-98
Above Normal (15%)	-8	129	383	9	-48	-73	-293	-153	14	-244	144	-17	-155
Below Normal (17%)	103	139	410	168	64	38	-92	22	60	-90	91	269	1,182
Dry (22%)	93	150	425	255	121	37	9	27	0	-66	58	271	1,381
Critical (15%)	86	195	266	150	228	57	13	24	13	-57	89	183	1,246

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-7-2-23. Sacramento/San Joaquin River Delta, Monthly Outflow Volume

No Action Alternative (LLT)

	Monthly Outflow Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	691	920	4,191	6,547	7,794	5,726	4,064	2,445	1,107	834	387	1,264	33,411
20%	673	853	1,979	4,625	5,317	4,328	2,644	1,592	661	786	343	1,235	25,327
30%	650	768	1,040	2,966	3,591	3,037	1,741	1,164	611	666	324	1,013	20,961
40%	500	651	740	1,806	2,838	2,031	1,465	884	528	614	285	707	16,853
50%	477	606	564	1,357	2,036	1,566	1,088	804	497	509	255	206	10,729
60%	447	321	453	1,142	1,262	1,170	888	689	485	473	246	179	9,105
70%	409	268	338	878	1,022	1,064	690	626	439	400	246	179	7,773
80%	333	268	295	651	731	784	628	594	422	329	246	179	6,740
90%	287	230	277	541	546	600	590	437	394	307	246	179	5,941
Long Term													
Full Simulation Period[a]	509	645	1,360	2,851	3,154	2,773	1,762	1,176	628	552	292	580	16,282
Water Year Types[b]													
Wet (32%)	585	951	2,779	5,818	5,975	5,194	3,247	2,022	931	701	265	1,195	29,662
Above Normal (15%)	552	686	1,176	3,142	3,717	3,489	1,819	1,335	635	752	290	689	18,282
Below Normal (17%)	495	517	752	1,371	2,028	1,381	1,228	836	532	471	315	204	10,131
Dry (22%)	448	479	543	906	1,201	1,229	798	638	458	397	329	180	7,605
Critical (15%)	406	341	403	778	721	751	553	386	335	359	273	181	5,487

Alternative 7 (LLT)

	Monthly Outflow Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	711	1,051	4,329	6,849	7,903	5,558	3,665	2,124	1,171	620	363	1,329	33,012
20%	690	938	2,242	4,757	5,161	4,228	2,309	1,303	758	557	313	1,298	25,651
30%	653	787	1,465	2,834	3,439	2,721	1,540	1,109	690	492	301	1,121	20,979
40%	624	699	1,207	1,810	2,894	2,027	1,263	937	651	492	283	792	16,808
50%	602	616	1,018	1,577	2,047	1,599	1,037	831	611	464	266	306	11,722
60%	572	572	924	1,337	1,400	1,327	890	720	569	346	246	254	10,277
70%	553	553	781	1,055	1,140	1,158	729	652	502	307	246	210	8,895
80%	519	522	652	940	1,025	999	669	584	473	307	246	179	8,173
90%	465	490	578	830	763	754	603	460	465	246	246	179	7,258
Long Term													
Full Simulation Period[a]	614	810	1,725	2,972	3,231	2,769	1,648	1,135	708	431	285	637	16,965
Water Year Types[b]													
Wet (32%)	694	1,124	3,116	5,835	5,942	5,072	2,992	1,872	1,003	547	252	1,272	29,720
Above Normal (15%)	612	836	1,567	3,198	3,762	3,433	1,609	1,248	720	555	262	754	18,556
Below Normal (17%)	597	660	1,152	1,553	2,118	1,476	1,168	858	635	399	318	205	11,139
Dry (22%)	570	637	964	1,149	1,346	1,302	822	660	497	327	308	223	8,804
Critical (15%)	529	540	678	937	951	824	571	461	458	251	309	267	6,777

Alternative 7 (LLT) minus No Action Alternative (LLT)

	Monthly Outflow Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	20	131	138	302	109	**-169**	**-399**	**-321**	64	**-214**	**-24**	64	**-399**
20%	17	85	264	132	**-156**	**-100**	**-336**	**-289**	97	**-228**	**-29**	63	323
30%	3	20	425	**-132**	**-152**	**-316**	**-200**	**-55**	79	**-174**	**-23**	109	18
40%	125	48	467	4	56	**-5**	**-202**	53	123	**-122**	**-3**	86	**-45**
50%	125	10	454	220	12	33	**-51**	27	114	**-45**	11	100	993
60%	125	250	471	196	138	158	1	32	84	**-127**	**0**	76	1,172
70%	144	285	443	177	117	94	39	25	63	**-92**	0	32	1,122
80%	186	255	356	289	294	214	40	**-10**	51	**-22**	0	0	1,433
90%	177	260	302	289	217	154	12	22	71	**-61**	0	0	1,317
Long Term													
Full Simulation Period[a]	105	165	365	121	77	**-4**	**-114**	**-40**	79	**-121**	**-7**	57	683
Water Year Types[b]													
Wet (32%)	108	173	337	17	**-33**	**-122**	**-255**	**-150**	72	**-154**	**-13**	78	58
Above Normal (15%)	60	150	391	56	44	**-56**	**-210**	**-87**	85	**-196**	**-28**	65	274
Below Normal (17%)	102	143	400	182	90	95	**-60**	22	103	**-72**	3	1	1,008
Dry (22%)	121	157	421	243	145	73	24	22	40	**-70**	**-21**	43	1,200
Critical (15%)	122	199	275	159	230	73	18	75	123	**-108**	37	87	1,290

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-7-2-24. Sacramento/San Joaquin River Delta, Monthly Outflow Volume

No Action Alternative (LLT)

	Monthly Outflow Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	691	920	4,191	6,547	7,794	5,726	4,064	2,445	1,107	834	387	1,264	33,411
20%	673	853	1,979	4,625	5,317	4,328	2,644	1,592	661	786	343	1,235	25,327
30%	650	768	1,040	2,966	3,591	3,037	1,741	1,164	611	666	324	1,013	20,961
40%	500	651	740	1,806	2,838	2,031	1,465	884	528	614	285	707	16,853
50%	477	606	564	1,357	2,036	1,566	1,088	804	497	509	255	206	10,729
60%	447	321	453	1,142	1,262	1,170	888	689	485	473	246	179	9,105
70%	409	268	338	878	1,022	1,064	690	626	439	400	246	179	7,773
80%	333	268	295	651	731	784	628	594	422	329	246	179	6,740
90%	287	230	277	541	546	600	590	437	394	307	246	179	5,941
Long Term													
Full Simulation Period[a]	509	645	1,360	2,851	3,154	2,773	1,762	1,176	628	552	292	580	16,282
Water Year Types[b]													
Wet (32%)	585	951	2,779	5,818	5,975	5,194	3,247	2,022	931	701	265	1,195	29,662
Above Normal (15%)	552	686	1,176	3,142	3,717	3,489	1,819	1,335	635	752	290	689	18,282
Below Normal (17%)	495	517	752	1,371	2,028	1,381	1,228	836	532	471	315	204	10,131
Dry (22%)	448	479	543	906	1,201	1,229	798	638	458	397	329	180	7,605
Critical (15%)	406	341	403	778	721	751	553	386	335	359	273	181	5,487

Alternative 8 (LLT)

	Monthly Outflow Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	714	1,004	4,025	7,153	7,638	5,552	4,047	2,451	1,186	551	302	1,339	33,307
20%	680	898	2,371	4,564	5,178	4,248	2,630	1,743	801	492	283	1,302	26,156
30%	644	787	1,460	3,174	3,808	2,933	1,961	1,353	680	492	259	1,137	21,582
40%	621	681	1,181	2,039	3,026	2,094	1,630	1,228	630	492	246	811	18,487
50%	571	625	1,000	1,812	2,255	1,828	1,402	1,105	581	400	246	278	12,718
60%	541	584	921	1,367	1,547	1,556	1,267	975	511	307	246	234	11,357
70%	516	565	757	1,110	1,295	1,388	1,048	782	476	307	246	196	10,084
80%	481	553	653	960	1,174	1,151	953	661	464	307	246	179	8,892
90%	385	480	547	823	805	887	757	515	447	246	246	179	7,523
Long Term													
Full Simulation Period[a]	588	809	1,713	3,106	3,303	2,908	1,945	1,340	713	411	260	632	17,727
Water Year Types[b]													
Wet (32%)	658	1,118	3,148	6,033	5,879	5,105	3,237	2,134	1,049	540	246	1,276	30,421
Above Normal (15%)	610	800	1,457	3,396	3,853	3,495	2,010	1,422	730	493	246	762	19,276
Below Normal (17%)	572	667	1,149	1,718	2,275	1,679	1,617	1,137	597	363	246	193	12,214
Dry (22%)	554	661	948	1,204	1,543	1,610	1,139	827	478	312	279	212	9,767
Critical (15%)	487	535	663	948	1,008	945	676	543	452	251	292	251	7,050

Alternative 8 (LLT) minus No Action Alternative (LLT)

	Monthly Outflow Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	23	84	-166	606	-157	-174	-17	6	79	-283	-85	74	-103
20%	8	45	392	-61	-139	-80	-14	151	140	-294	-60	67	829
30%	-7	20	420	207	217	-104	220	188	69	-174	-65	125	621
40%	121	30	441	233	188	63	166	344	102	-122	-39	104	1,634
50%	94	19	436	455	220	262	313	301	84	-109	-9	72	1,989
60%	95	263	468	226	285	387	378	286	26	-166	0	55	2,252
70%	107	297	419	232	273	324	358	155	37	-92	0	17	2,311
80%	148	285	358	309	443	367	324	66	42	-22	0	0	2,151
90%	97	250	271	282	259	288	166	77	53	-61	0	0	1,582
Long Term													
Full Simulation Period[a]	79	164	353	255	149	136	184	164	84	-142	-32	52	1,445
Water Year Types[b]													
Wet (32%)	72	166	369	215	-96	-89	-10	112	118	-161	-19	81	759
Above Normal (15%)	58	114	282	254	136	6	191	87	95	-259	-44	73	994
Below Normal (17%)	77	151	397	347	248	297	389	301	65	-108	-70	-11	2,082
Dry (22%)	105	182	405	298	343	381	341	189	21	-85	-50	32	2,162
Critical (15%)	81	195	260	170	287	194	123	156	117	-108	19	71	1,563

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-7-2-25. Sacramento/San Joaquin River Delta, Monthly Outflow Volume

No Action Alternative (LLT)

	Monthly Outflow Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	691	920	4,191	6,547	7,794	5,726	4,064	2,445	1,107	834	387	1,264	33,411
20%	673	853	1,979	4,625	5,317	4,328	2,644	1,592	661	786	343	1,235	25,327
30%	650	768	1,040	2,966	3,591	3,037	1,741	1,164	611	666	324	1,013	20,961
40%	500	651	740	1,806	2,838	2,031	1,465	884	528	614	285	707	16,853
50%	477	606	564	1,357	2,036	1,566	1,088	804	497	509	255	206	10,729
60%	447	321	453	1,142	1,262	1,170	888	689	485	473	246	179	9,105
70%	409	268	338	878	1,022	1,064	690	626	439	400	246	179	7,773
80%	333	268	295	651	731	784	628	594	422	329	246	179	6,740
90%	287	230	277	541	546	600	590	437	394	307	246	179	5,941
Long Term													
Full Simulation Period[a]	509	645	1,360	2,851	3,154	2,773	1,762	1,176	628	552	292	580	16,282
Water Year Types[b]													
Wet (32%)	585	951	2,779	5,818	5,975	5,194	3,247	2,022	931	701	265	1,195	29,662
Above Normal (15%)	552	686	1,176	3,142	3,717	3,489	1,819	1,335	635	752	290	689	18,282
Below Normal (17%)	495	517	752	1,371	2,028	1,381	1,228	836	532	471	315	204	10,131
Dry (22%)	448	479	543	906	1,201	1,229	798	638	458	397	329	180	7,605
Critical (15%)	406	341	403	778	721	751	553	386	335	359	273	181	5,487

Alternative 9 (LLT)

	Monthly Outflow Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	690	947	4,438	7,191	7,950	5,712	3,904	2,335	952	688	365	1,283	33,307
20%	644	851	2,092	4,766	5,408	4,396	2,557	1,380	698	629	333	1,246	25,275
30%	622	768	1,039	3,114	3,887	3,083	1,593	1,031	652	534	321	1,039	20,765
40%	450	656	711	1,949	3,051	2,245	1,299	897	581	492	304	759	17,026
50%	425	581	394	1,443	2,178	1,748	986	835	523	415	283	203	10,717
60%	246	271	322	1,191	1,375	1,320	822	778	491	400	259	179	9,340
70%	246	268	284	843	1,021	1,157	693	740	432	321	246	179	7,883
80%	246	268	277	679	831	866	652	691	422	307	246	179	7,122
90%	184	208	277	569	585	637	593	438	373	284	246	179	5,964
Long Term													
Full Simulation Period[a]	424	634	1,357	2,941	3,256	2,856	1,697	1,180	648	455	292	599	16,339
Water Year Types[b]													
Wet (32%)	536	942	2,849	5,976	6,071	5,286	3,116	1,925	971	626	260	1,225	29,785
Above Normal (15%)	394	667	1,157	3,278	3,898	3,614	1,683	1,235	691	533	259	720	18,128
Below Normal (17%)	402	517	756	1,471	2,160	1,499	1,152	881	534	367	276	232	10,248
Dry (22%)	388	457	494	959	1,275	1,283	838	794	449	319	335	179	7,769
Critical (15%)	290	338	317	717	768	773	561	438	337	314	349	179	5,380

Alternative 9 (LLT) minus No Action Alternative (LLT)

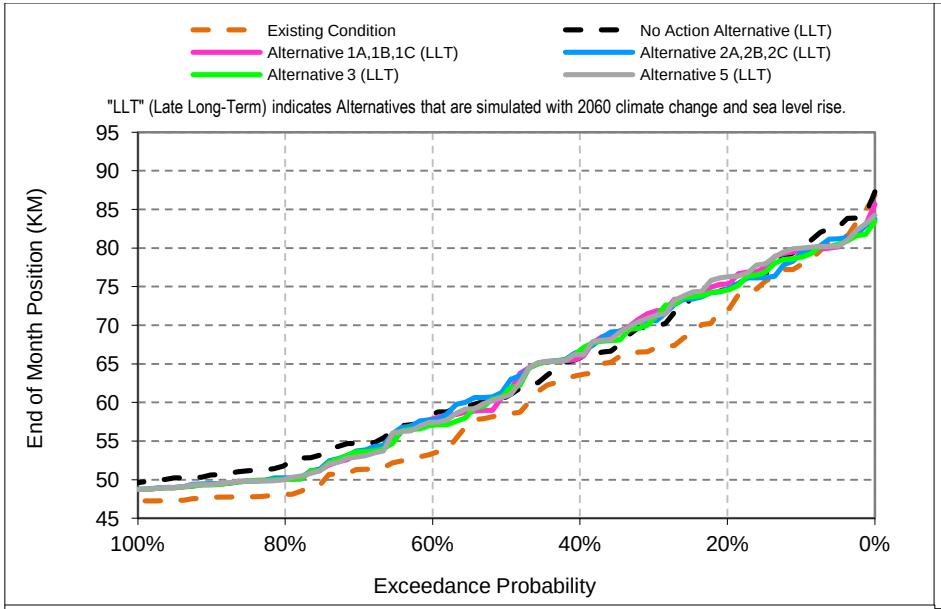
	Monthly Outflow Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	-1	27	247	644	155	-14	-160	-109	-155	-146	-22	19	-104
20%	-29	-3	113	141	91	68	-87	-211	38	-157	-10	11	-52
30%	-29	0	0	148	297	46	-147	-133	41	-132	-3	27	-196
40%	-50	6	-29	143	213	213	-166	13	53	-122	19	52	173
50%	-52	-25	-170	86	142	183	-102	32	26	-94	27	-3	-12
60%	-201	-50	-131	49	113	150	-66	89	6	-73	13	0	235
70%	-163	0	-54	-35	-1	93	3	114	-7	-79	0	0	110
80%	-87	0	-19	29	100	81	23	97	0	-22	0	0	382
90%	-103	-22	0	29	39	38	3	1	-21	-24	0	0	23
Long Term													
Full Simulation Period[a]	-85	-11	-3	90	103	83	-64	4	20	-97	0	18	57
Water Year Types[b]													
Wet (32%)	-50	-10	71	159	96	92	-130	-97	41	-75	-5	31	123
Above Normal (15%)	-158	-19	-18	136	180	125	-137	-100	56	-219	-31	31	-154
Below Normal (17%)	-93	1	4	100	132	117	-76	45	2	-105	-39	28	117
Dry (22%)	-61	-22	-49	53	74	54	39	156	-9	-77	7	-1	165
Critical (15%)	-116	-3	-86	-61	47	22	8	51	2	-45	76	-2	-107

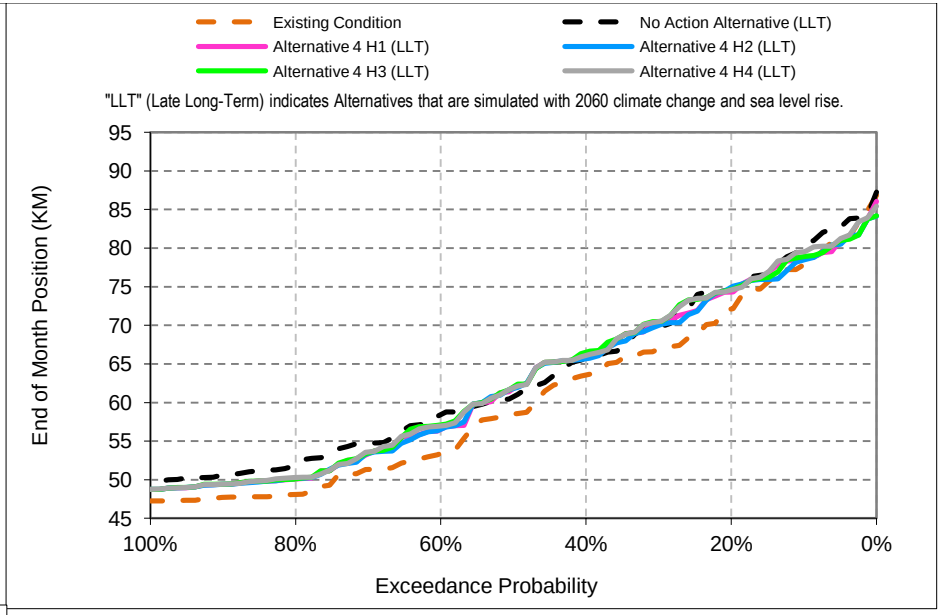
a Based on the 82-year simulation period

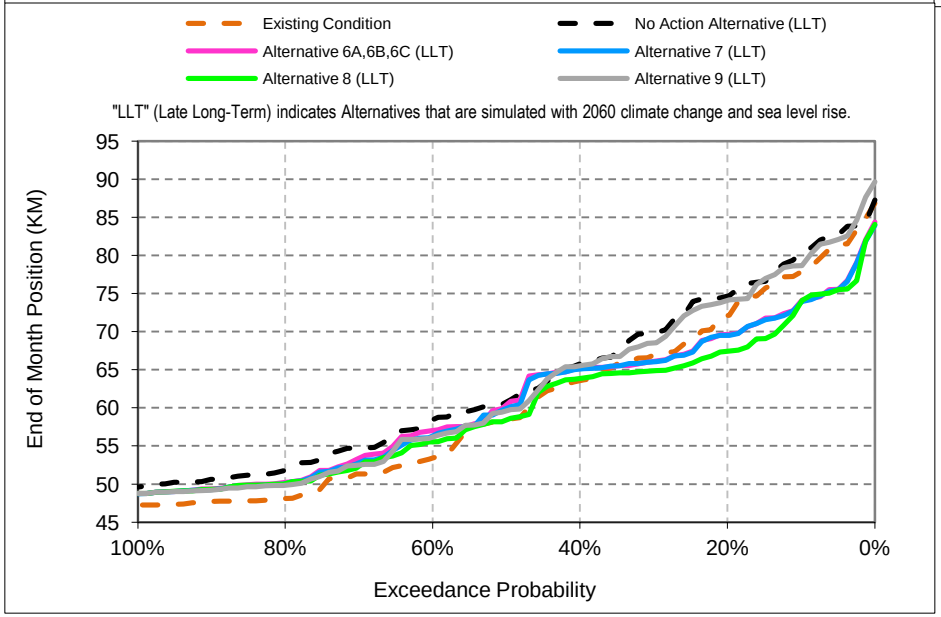
b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

C.8. X2 Results



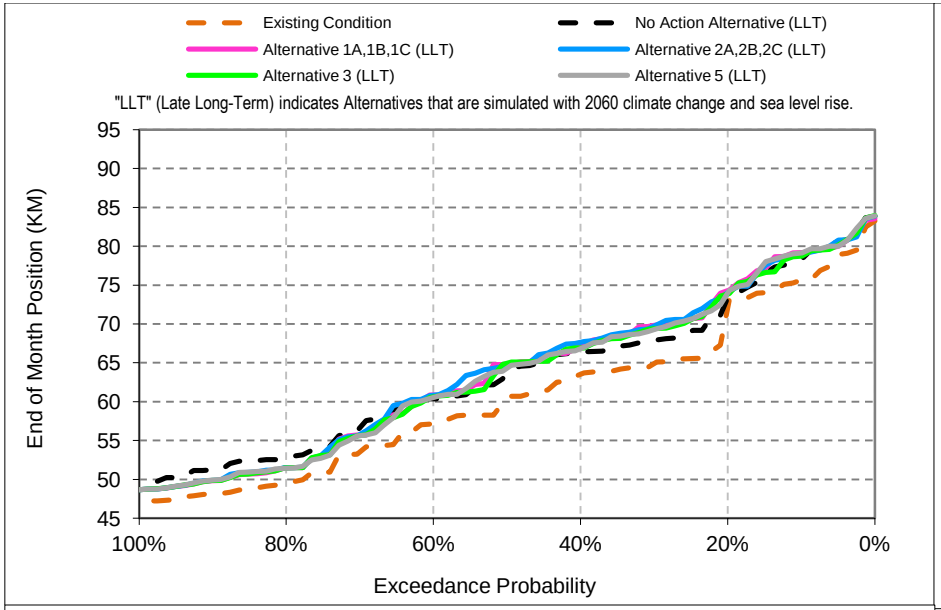


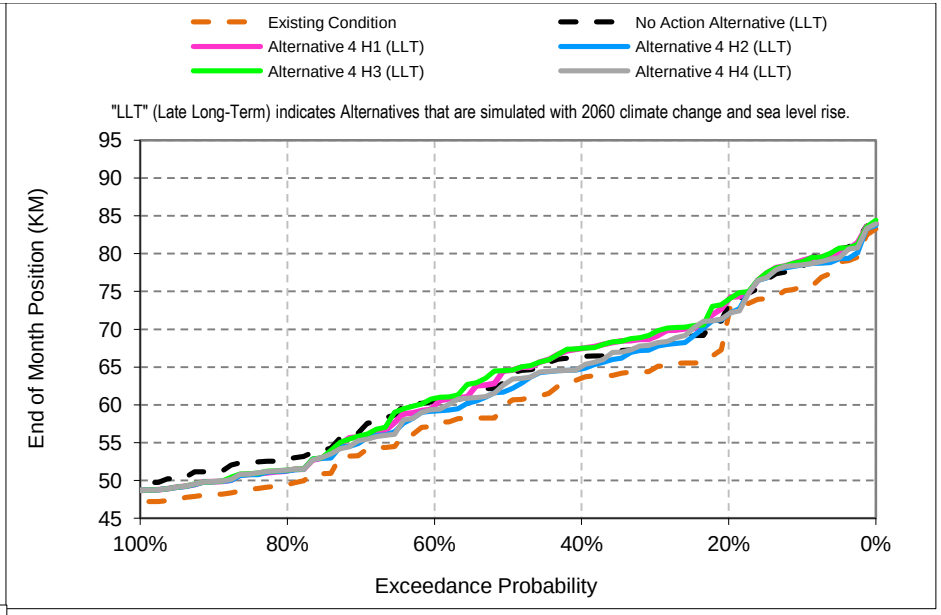


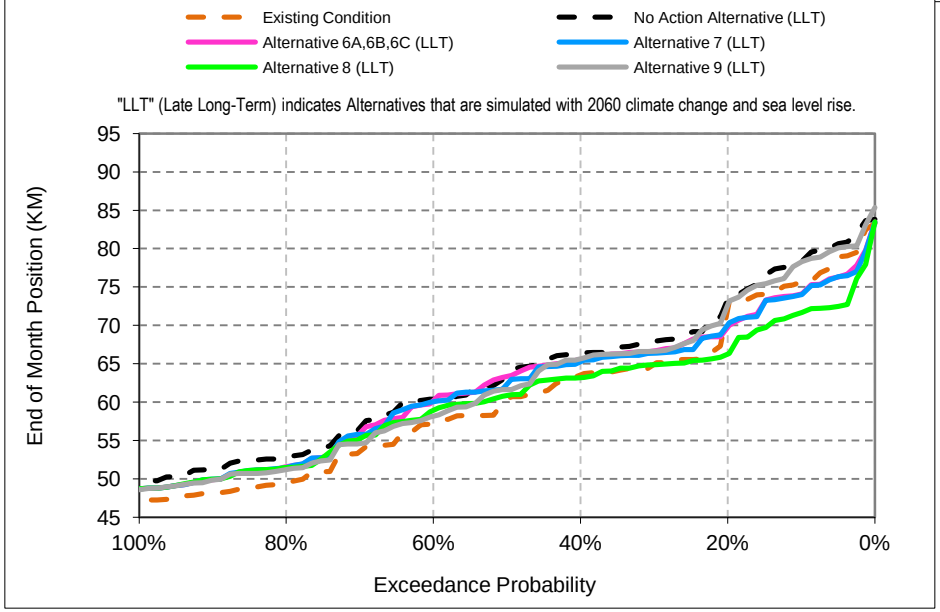
Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-8-1. X2, February Position



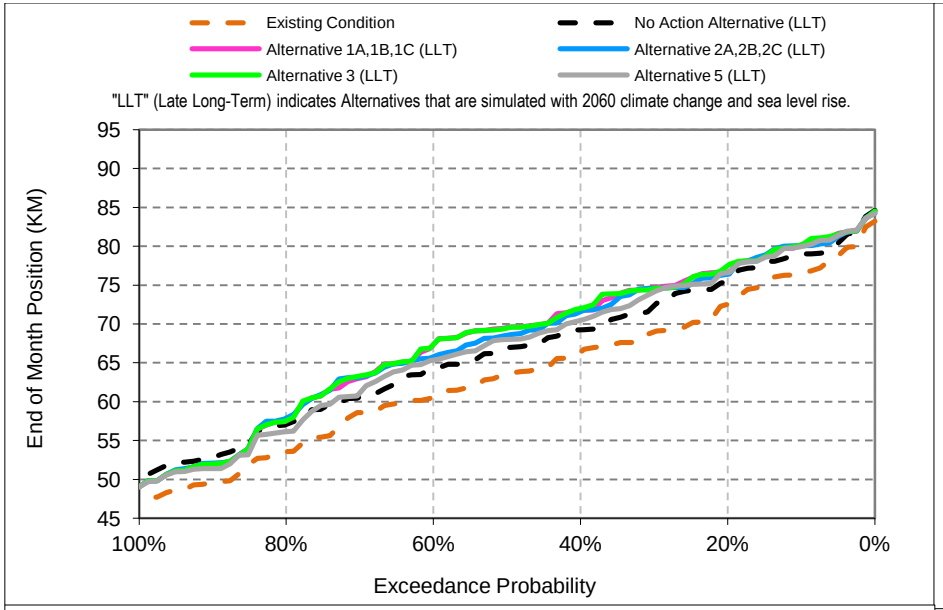


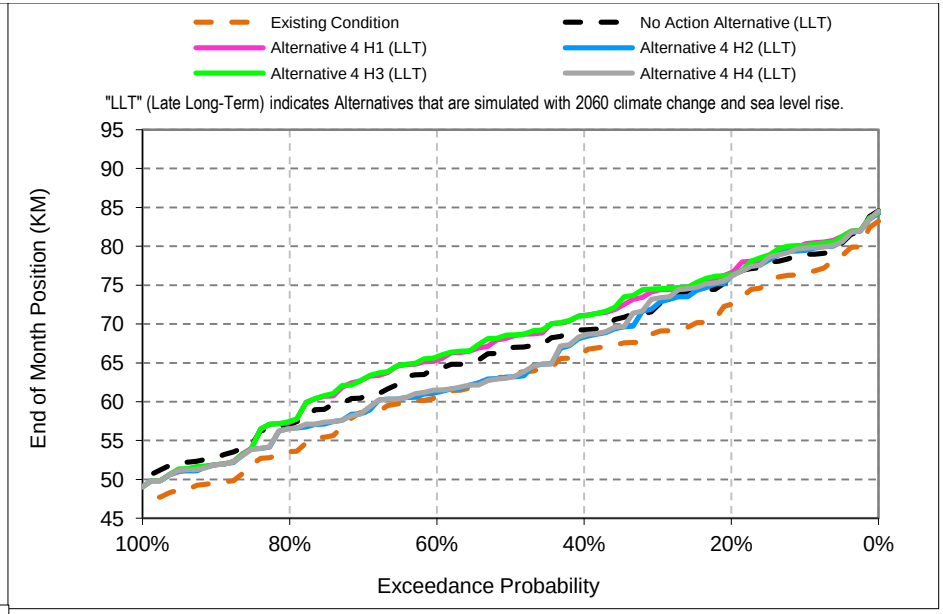


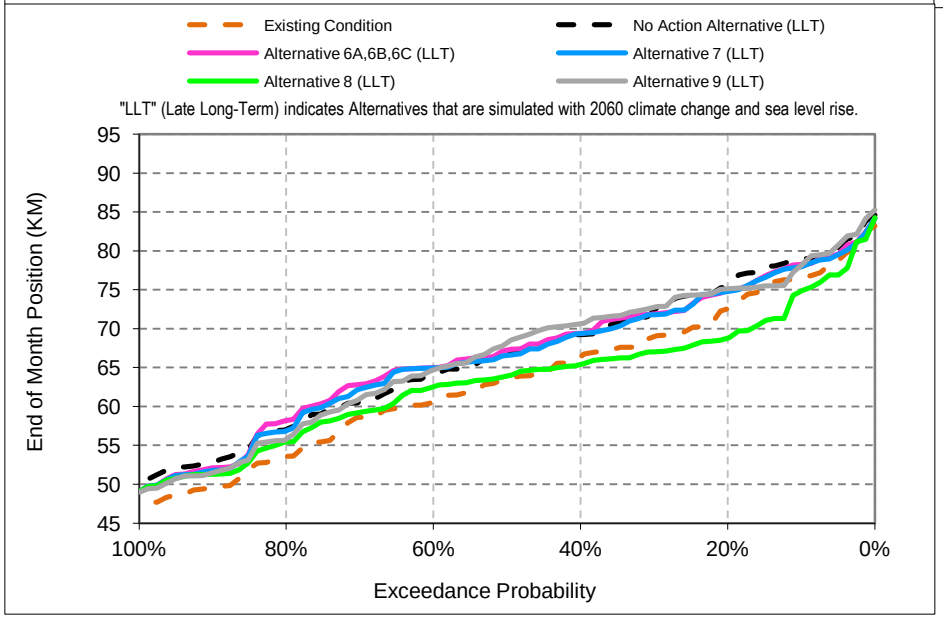
Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-8-2. X2, March Position



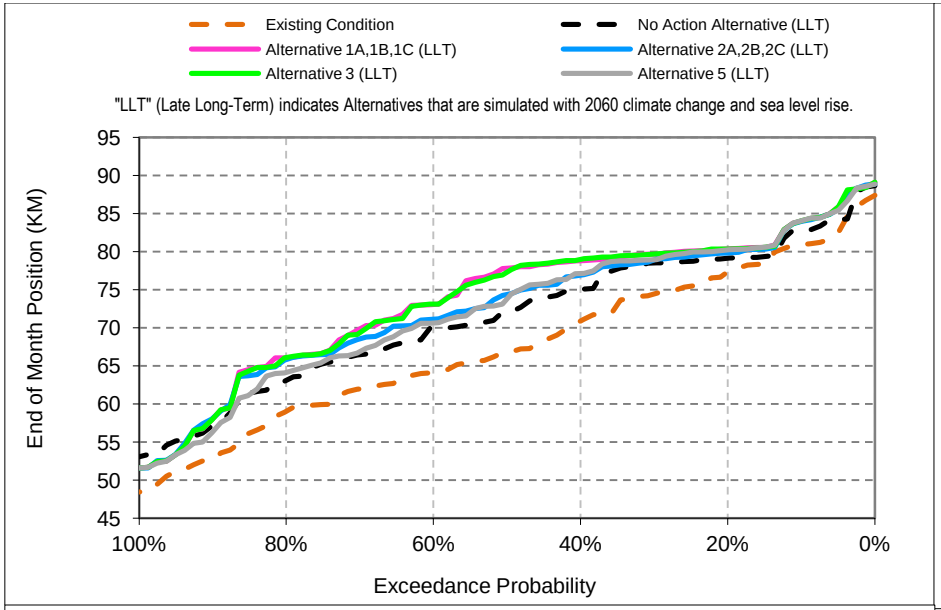


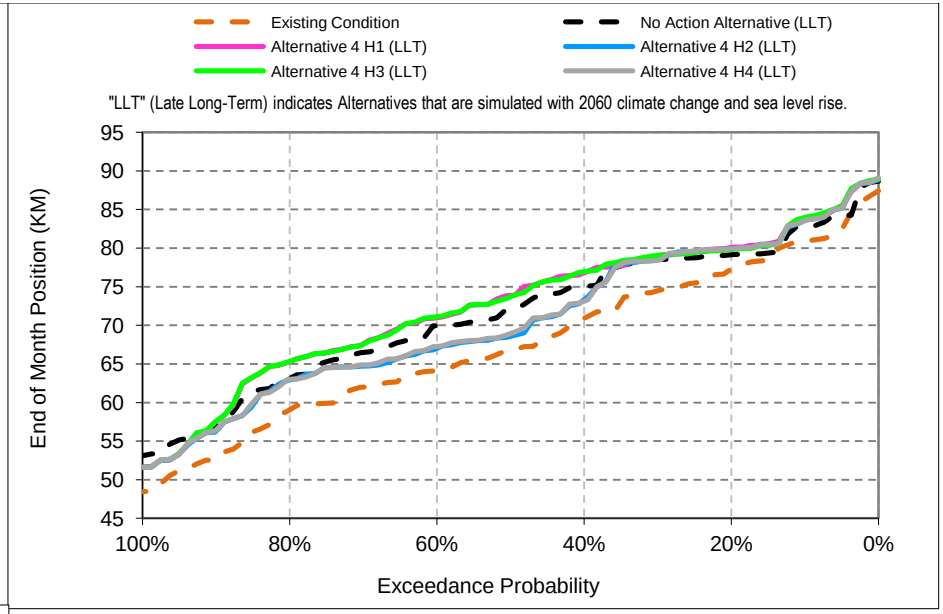


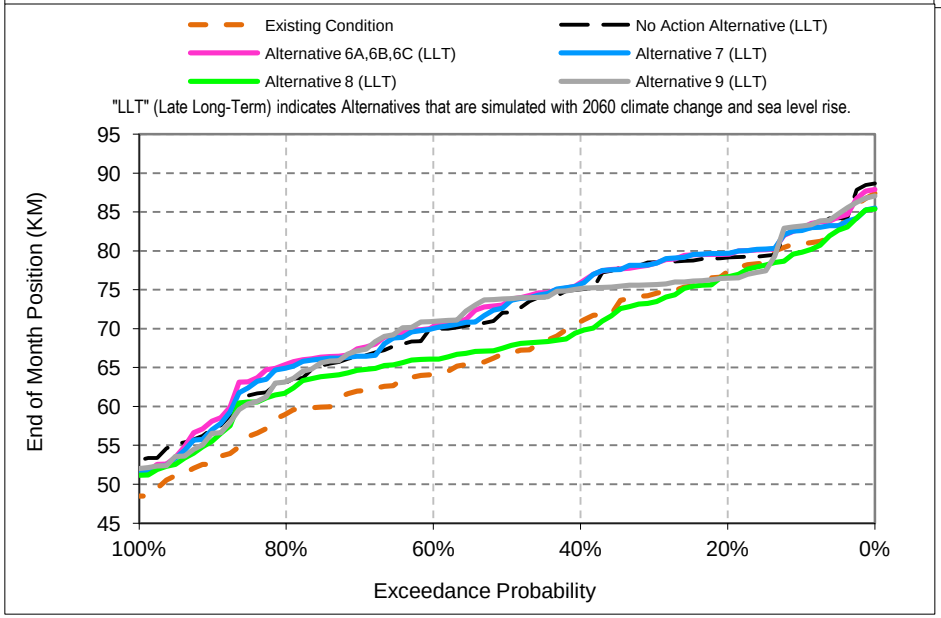
Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-8-3. X2, April Position



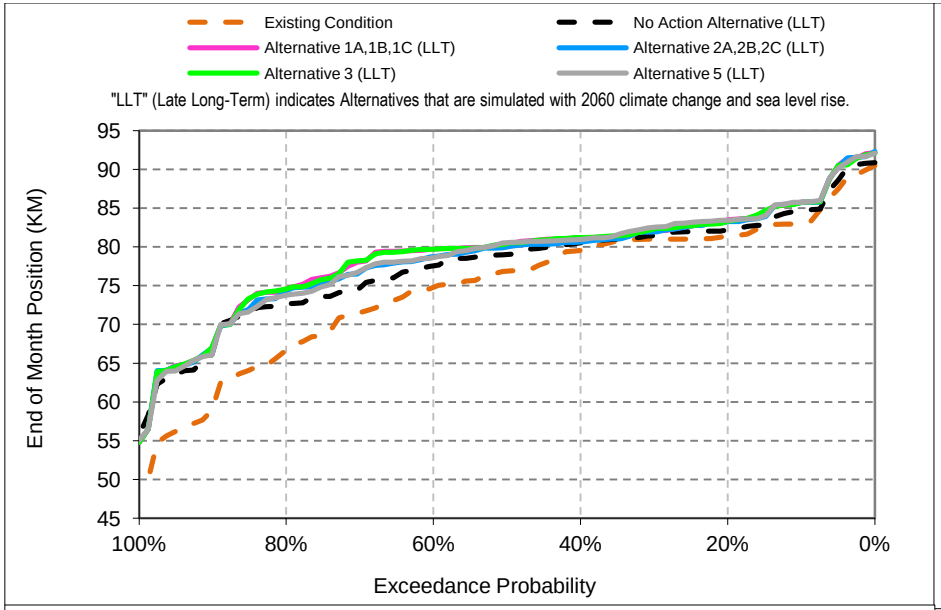


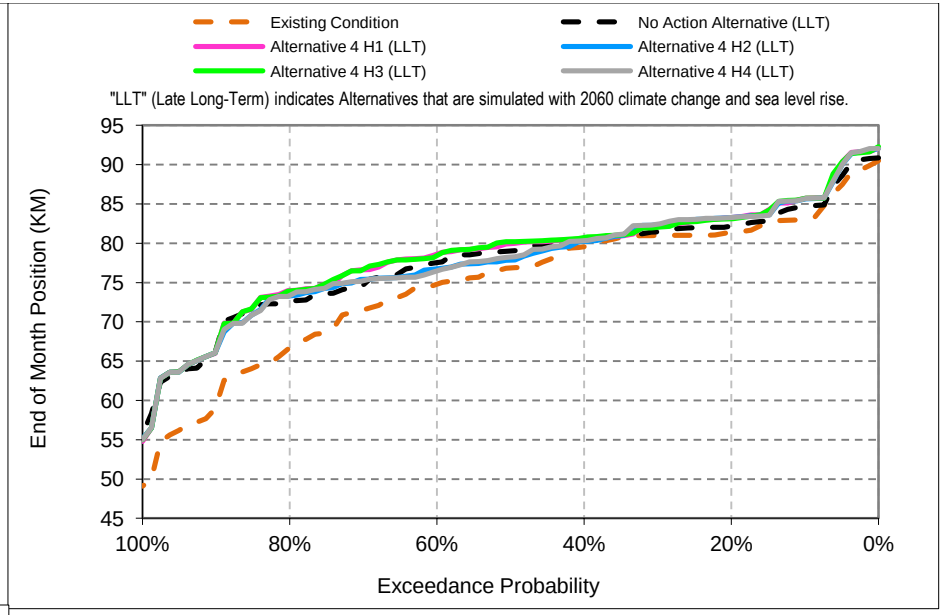


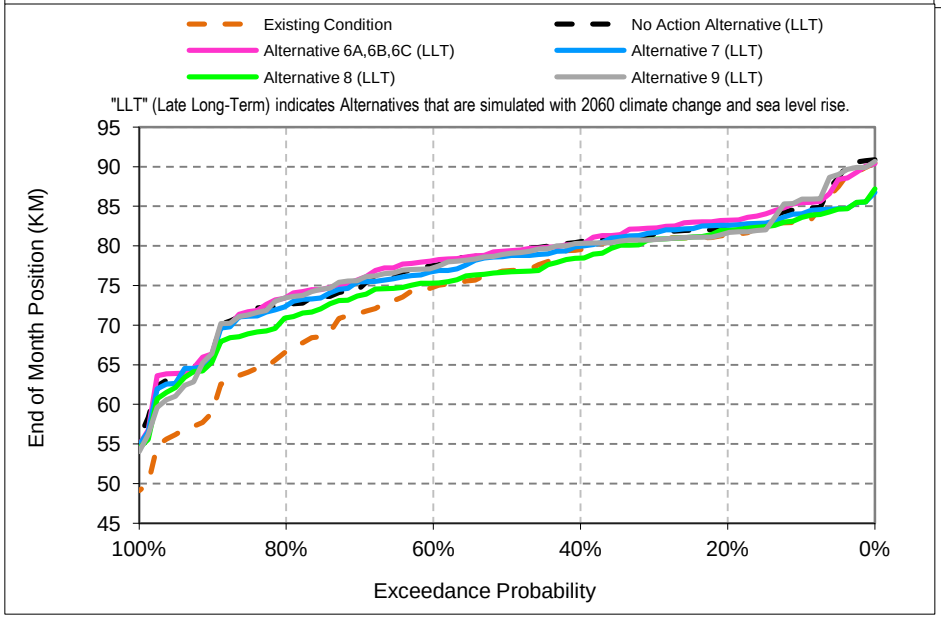
Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-8-4. X2, May Position



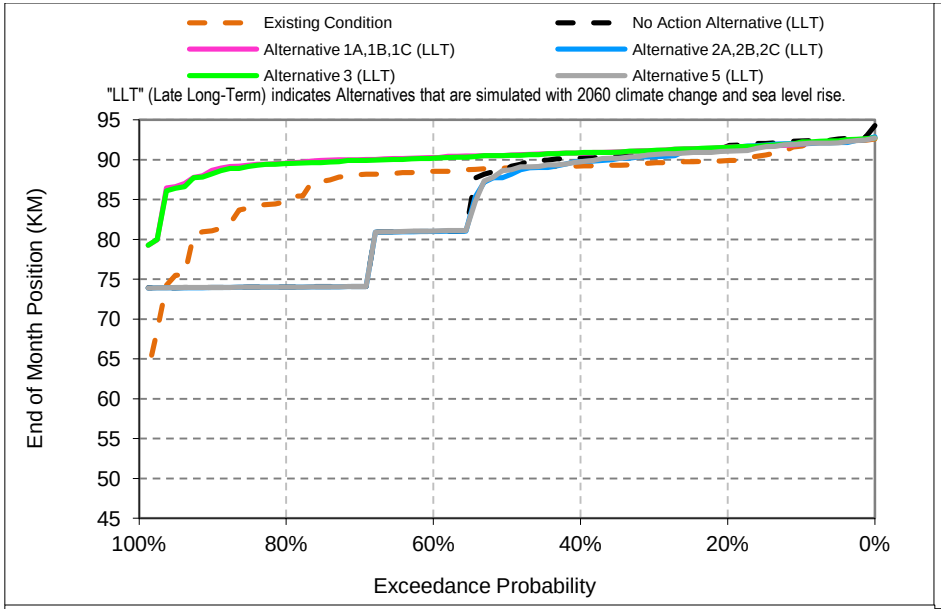


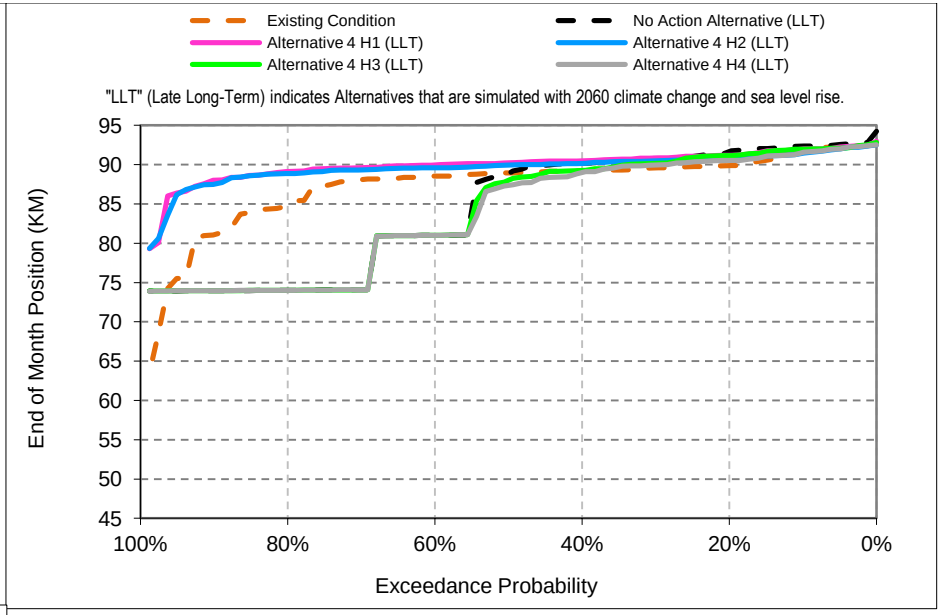


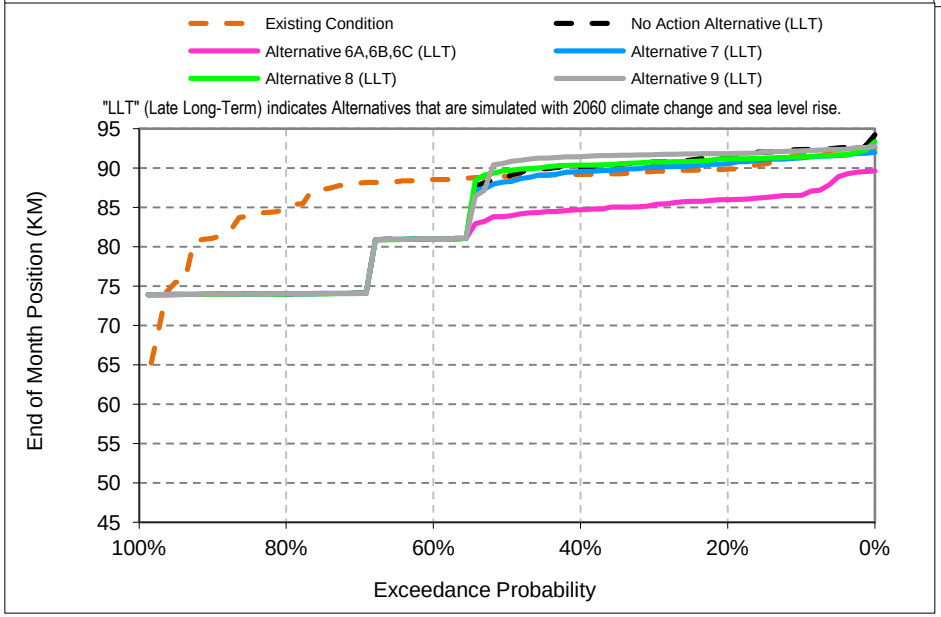
Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-8-5. X2, June Position



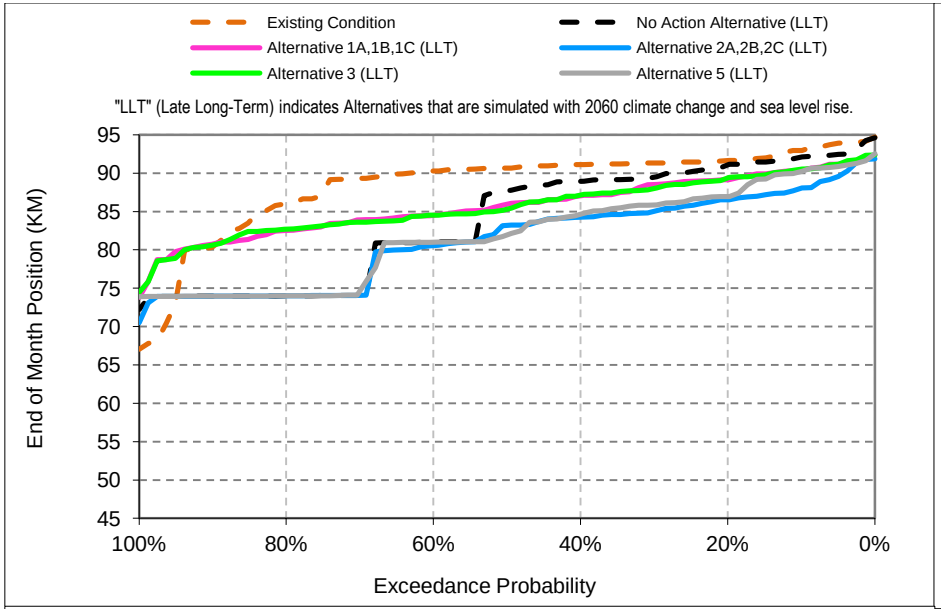


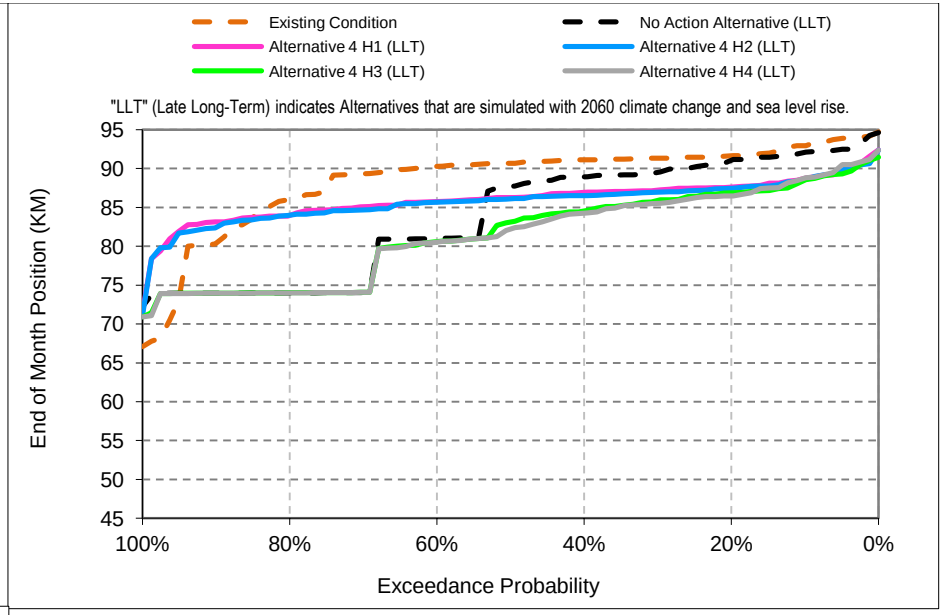


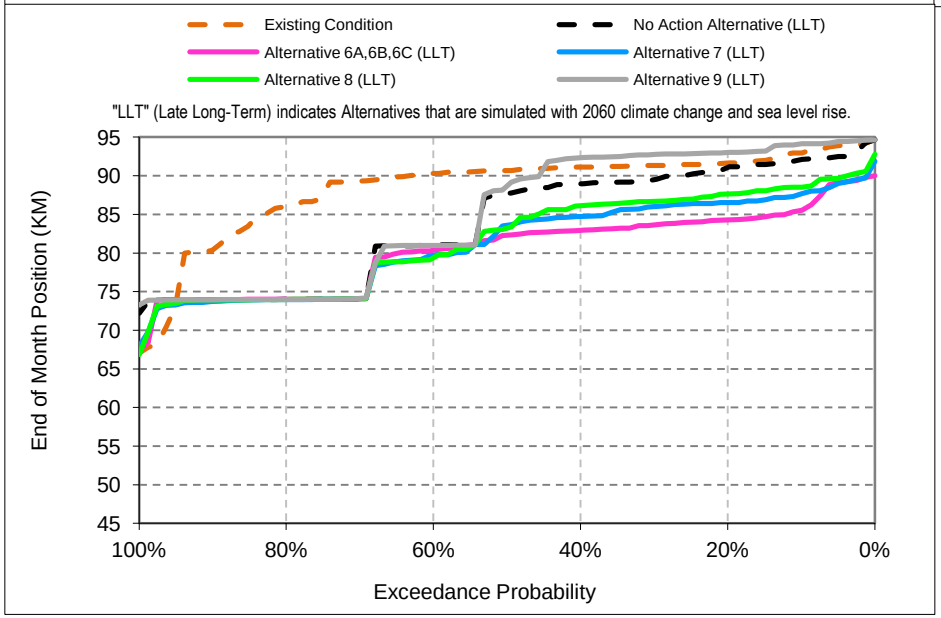
Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-8-6. X2, September Position



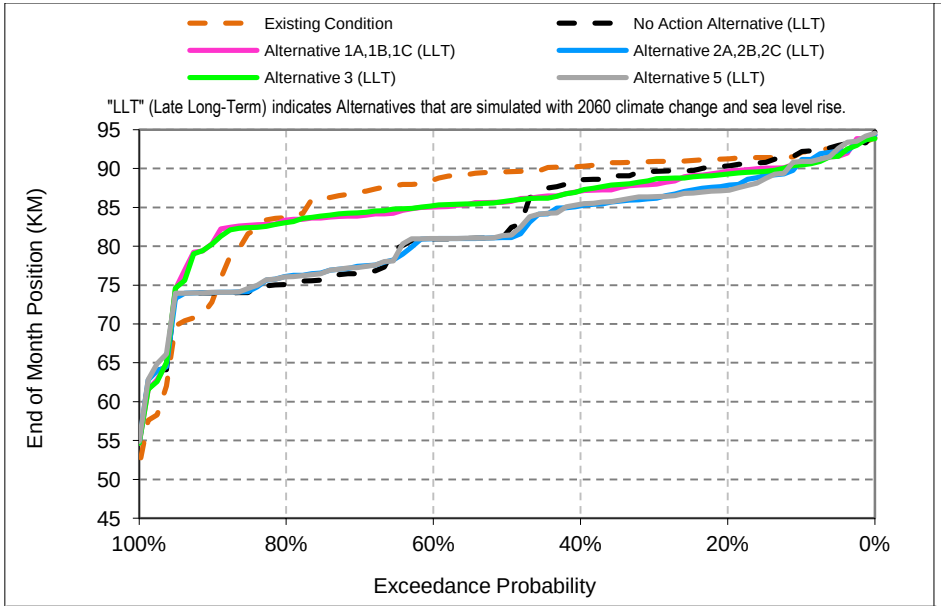


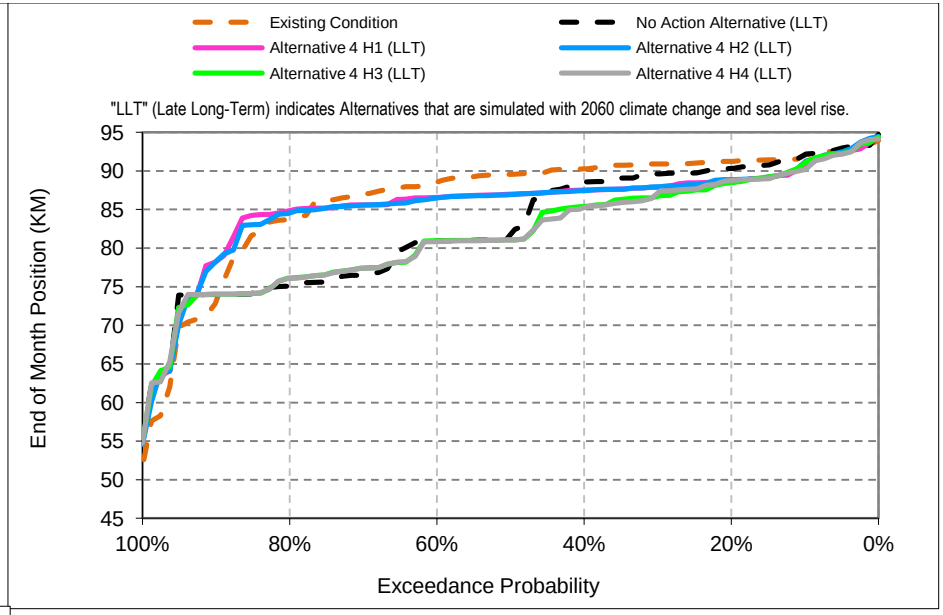


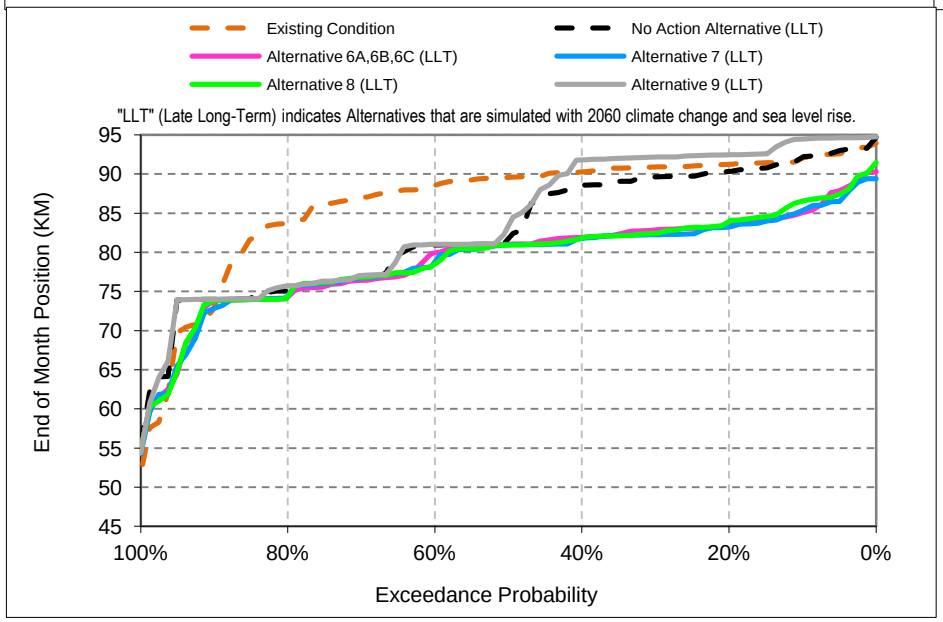
Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-8-7. X2, October Position







Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-8-8. X2, November Position

Table C-8-1. X2, End of Month Position

Existing Condition

	End of Month Position (KM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	93.0	92.0	90.6	84.8	77.8	75.6	76.5	80.9	83.2	86.4	89.6	91.7
20%	91.6	91.2	89.8	82.9	72.1	72.0	72.5	77.3	81.4	85.4	87.3	89.9
30%	91.3	90.9	88.6	80.0	66.9	64.9	69.0	74.5	81.0	84.6	86.6	89.6
40%	91.1	90.3	87.0	72.6	63.6	63.5	66.3	70.9	79.5	82.2	86.0	89.2
50%	90.7	89.6	85.4	69.0	58.5	60.3	63.6	66.8	76.9	81.2	85.7	89.0
60%	90.3	88.5	79.6	64.4	53.4	57.3	60.7	64.1	74.8	79.9	85.0	88.5
70%	89.3	87.0	70.9	55.1	51.3	53.5	58.6	62.0	71.5	78.6	84.7	88.2
80%	86.0	83.8	64.5	49.7	48.1	49.4	53.6	59.1	66.7	77.1	83.5	85.4
90%	80.4	73.1	53.3	48.2	47.7	48.2	49.6	52.6	59.3	72.9	82.4	81.4
Long Term												
Full Simulation Period[a]	88.5	86.3	77.9	67.6	60.7	60.7	63.4	67.5	74.6	80.4	85.2	87.4
Water Year Types[b]												
Wet (32%)	84.0	82.7	74.6	53.5	50.2	52.0	54.5	57.6	65.0	74.3	82.5	82.5
Above Normal (15%)	88.0	85.0	76.2	61.7	53.9	53.5	58.6	62.6	72.8	78.3	83.8	81.3
Below Normal (17%)	89.3	85.3	75.2	72.4	60.6	62.6	64.1	68.2	76.6	81.7	85.5	89.2
Dry (22%)	91.3	89.0	79.0	77.9	70.1	66.9	69.9	74.5	80.5	84.8	86.9	89.4
Critical (15%)	93.5	92.5	88.5	82.9	76.5	75.1	77.4	82.6	86.0	87.9	89.7	91.9

No Action Alternative (LLT)

	End of Month Position (KM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	92.1	92.1	90.4	85.3	80.4	78.3	79.0	82.9	84.6	87.6	89.8	92.4
20%	91.1	90.3	88.4	82.7	74.7	73.3	75.5	79.2	82.2	85.1	87.8	91.8
30%	89.5	89.6	86.5	80.0	69.8	67.9	72.4	78.5	81.4	84.3	86.9	90.8
40%	88.9	88.6	84.1	74.9	65.8	66.4	69.2	75.0	80.5	83.1	86.1	90.2
50%	87.7	81.8	82.7	72.2	60.7	63.6	67.0	72.1	79.0	80.5	85.6	89.2
60%	81.0	80.9	81.0	66.4	58.4	60.4	64.3	70.0	77.5	78.2	84.9	81.0
70%	74.1	76.5	74.3	58.8	54.7	56.7	60.6	66.5	74.7	77.2	84.3	74.1
80%	74.0	75.1	64.7	54.0	51.9	52.9	57.1	63.1	72.7	76.6	83.8	74.0
90%	74.0	74.0	56.9	52.1	50.6	51.2	52.8	57.2	66.5	75.5	83.3	74.0
Long Term												
Full Simulation Period[a]	83.7	82.7	78.2	69.4	63.5	63.7	66.5	71.4	77.6	80.8	85.8	84.4
Water Year Types[b]												
Wet (30%)	74.0	73.9	73.0	56.7	53.8	55.3	57.9	62.2	70.5	76.1	84.2	74.0
Above Normal (13%)	81.0	79.4	77.0	63.6	55.3	56.0	60.3	67.4	75.8	76.6	83.7	81.0
Below Normal (15%)	88.9	88.6	84.8	71.8	67.6	68.6	70.3	73.8	79.4	80.7	84.8	82.6
Dry (26%)	89.0	86.6	76.1	78.9	69.7	67.4	70.6	75.7	80.6	84.4	87.0	90.6
Critical (16%)	92.0	91.6	87.1	81.1	75.6	75.7	78.3	83.3	86.3	87.8	89.8	92.4

No Action Alternative (LLT) minus Existing Condition

	End of Month Position (KM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-0.9	0.1	-0.2	0.5	2.5	2.7	2.4	1.9	1.4	1.2	0.2	0.7
20%	-0.6	-0.9	-1.4	-0.3	2.6	1.4	3.0	1.8	0.8	-0.3	0.5	1.9
30%	-1.8	-1.3	-2.1	0.0	2.9	3.0	3.4	4.1	0.4	-0.4	0.2	1.2
40%	-2.2	-1.7	-2.9	2.3	2.2	2.9	2.9	4.1	1.0	1.0	0.0	1.0
50%	-3.0	-7.8	-2.7	3.3	2.2	3.3	3.4	5.3	2.2	-0.7	-0.1	0.2
60%	-9.3	-7.6	1.4	2.0	5.0	3.0	3.6	5.8	2.8	-1.7	-0.1	-7.5
70%	-15.3	-10.5	3.4	3.7	3.4	3.1	2.0	4.5	3.2	-1.4	-0.4	-14.1
80%	-12.0	-8.6	0.2	4.3	3.8	3.4	3.5	4.0	6.0	-0.5	0.4	-11.4
90%	-6.4	0.9	3.5	3.9	2.9	3.0	3.2	4.5	7.2	2.5	0.9	-7.4
Long Term												
Full Simulation Period[a]	-4.7	-3.6	0.2	1.8	2.8	3.0	3.1	3.9	3.0	0.4	0.6	-3.0
Water Year Types[b]												
Wet	-10.0	-8.8	-1.6	3.1	3.6	3.2	3.4	4.7	5.5	1.8	1.6	-8.5
Above Normal	-7.0	-5.6	0.8	1.9	1.4	2.5	1.7	4.8	3.0	-1.7	-0.1	-0.3
Below Normal	-0.4	3.4	9.6	-0.5	7.0	6.0	6.2	5.6	2.8	-1.0	-0.7	-6.6
Dry	-2.3	-2.4	-2.9	1.1	-0.3	0.5	0.7	1.2	0.1	-0.4	0.1	1.1
Critical	-1.4	-0.8	-1.4	-1.8	-0.9	0.7	0.9	0.6	0.3	-0.1	0.1	0.5

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999) calculated for current and future climate.

Positive differences highlighted in red indicate eastward movement of X2 position

Table C-8-2. X2, End of Month Position

Existing Condition

Statistic	End of Month Position (KM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	93.0	92.0	90.6	84.8	77.8	75.6	76.5	80.9	83.2	86.4	89.6	91.7
20%	91.6	91.2	89.8	82.9	72.1	72.0	72.5	77.3	81.4	85.4	87.3	89.9
30%	91.3	90.9	88.6	80.0	66.9	64.9	69.0	74.5	81.0	84.6	86.6	89.6
40%	91.1	90.3	87.0	72.6	63.6	63.5	66.3	70.9	79.5	82.2	86.0	89.2
50%	90.7	89.6	85.4	69.0	58.5	60.3	63.6	66.8	76.9	81.2	85.7	89.0
60%	90.3	88.5	79.6	64.4	53.4	57.3	60.7	64.1	74.8	79.9	85.0	88.5
70%	89.3	87.0	70.9	55.1	51.3	53.5	58.6	62.0	71.5	78.6	84.7	88.2
80%	86.0	83.8	64.5	49.7	48.1	49.4	53.6	59.1	66.7	77.1	83.5	85.4
90%	80.4	73.1	53.3	48.2	47.7	48.2	49.6	52.6	59.3	72.9	82.4	81.4
Long Term												
Full Simulation Period[a]	88.5	86.3	77.9	67.6	60.7	60.7	63.4	67.5	74.6	80.4	85.2	87.4
Water Year Types[b]												
Wet (32%)	84.0	82.7	74.6	53.5	50.2	52.0	54.5	57.6	65.0	74.3	82.5	82.5
Above Normal (15%)	88.0	85.0	76.2	61.7	53.9	53.5	58.6	62.6	72.8	78.3	83.8	81.3
Below Normal (17%)	89.3	85.3	75.2	72.4	60.6	62.6	64.1	68.2	76.6	81.7	85.5	89.2
Dry (22%)	91.3	89.0	79.0	77.9	70.1	66.9	69.9	74.5	80.5	84.8	86.9	89.4
Critical (15%)	93.5	92.5	88.5	82.9	76.5	75.1	77.4	82.6	86.0	87.9	89.7	91.9

Alternative 1A,1B,1C (LLT)

Statistic	End of Month Position (KM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	90.4	90.5	90.1	82.3	79.7	79.2	80.1	84.0	85.7	88.8	90.9	91.9
20%	89.1	89.6	89.4	81.1	75.4	74.3	76.6	80.4	83.5	86.8	89.6	91.6
30%	88.5	88.0	88.7	78.5	71.8	69.8	74.7	79.7	82.1	85.8	88.8	91.2
40%	87.0	87.1	87.3	76.4	65.8	67.2	71.7	78.8	81.1	84.4	88.0	90.8
50%	86.0	85.7	85.0	72.7	61.1	64.8	69.5	77.8	80.4	83.4	87.1	90.6
60%	84.5	85.0	82.4	69.3	57.9	60.9	67.3	73.1	79.7	82.0	86.2	90.3
70%	83.9	83.9	78.0	57.8	53.4	55.7	63.0	69.9	78.1	80.8	85.9	90.0
80%	82.5	83.3	68.2	52.8	50.1	51.5	57.6	66.1	74.6	80.5	85.6	89.6
90%	80.7	80.5	57.9	50.5	49.4	49.8	52.0	58.1	67.2	78.7	85.2	88.9
Long Term												
Full Simulation Period[a]	85.7	85.1	79.7	68.9	63.2	63.8	68.0	73.7	78.9	83.2	87.5	90.3
Water Year Types[b]												
Wet (30%)	86.0	84.1	75.9	55.8	52.8	53.9	58.8	64.7	71.8	79.1	85.6	89.2
Above Normal (13%)	84.1	83.2	80.1	62.9	53.8	55.7	61.7	71.5	78.2	80.7	85.8	90.4
Below Normal (15%)	83.3	84.3	86.0	72.9	67.9	69.0	72.6	75.7	80.4	83.3	87.0	83.3
Dry (26%)	84.6	84.3	76.7	77.7	69.7	68.9	72.7	77.7	81.7	85.9	88.9	91.2
Critical (16%)	90.2	90.4	86.1	81.6	76.0	76.4	79.3	84.6	87.5	89.1	91.0	90.1

Alternative 1A,1B,1C (LLT) minus Existing Condition

Statistic	End of Month Position (KM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-2.6	-1.5	-0.5	-2.5	**1.8**	**3.5**	**3.6**	**3.1**	**2.6**	**2.4**	**1.3**	**0.2**
20%	-2.5	-1.6	-0.4	-1.8	**3.2**	**2.3**	**4.1**	**3.0**	**2.1**	**1.4**	**2.3**	**1.7**
30%	-2.8	-2.9	**0.1**	-1.5	**4.8**	**4.9**	**5.7**	**5.2**	**1.1**	**1.1**	**2.1**	**1.5**
40%	-4.1	-3.2	**0.3**	**3.8**	**2.3**	**3.6**	**5.4**	**7.9**	**1.6**	**2.2**	**2.0**	**1.6**
50%	-4.7	-3.9	-0.4	**3.8**	**2.6**	**4.6**	**6.0**	**11.0**	**3.5**	**2.2**	**1.4**	**1.6**
60%	-5.8	-3.5	**2.7**	**4.8**	**4.5**	**3.5**	**6.6**	**9.0**	**4.9**	**2.2**	**1.2**	**1.7**
70%	-5.4	-3.1	**7.1**	**2.7**	**2.1**	**2.2**	**4.4**	**7.9**	**6.6**	**2.2**	**1.3**	**1.9**
80%	-3.5	-0.4	**3.7**	**3.1**	**2.0**	**2.0**	**4.0**	**7.0**	**7.9**	**3.4**	**2.2**	**4.2**
90%	**0.4**	**7.4**	**4.6**	**2.3**	**1.7**	**1.6**	**2.4**	**5.4**	**7.9**	**5.8**	**2.8**	**7.6**
Long Term												
Full Simulation Period[a]	-2.8	-1.2	**1.7**	**1.3**	**2.4**	**3.1**	**4.6**	**6.2**	**4.3**	**2.8**	**2.3**	**2.8**
Water Year Types[b]												
Wet	**2.0**	**1.4**	**1.3**	**2.2**	**2.6**	**1.9**	**4.3**	**7.1**	**6.8**	**4.8**	**3.0**	**6.7**
Above Normal	-3.9	-1.8	**3.9**	**1.2**	-0.1	**2.2**	**3.1**	**8.8**	**5.4**	**2.4**	**1.9**	**9.1**
Below Normal	-6.0	-1.0	**10.8**	**0.5**	**7.3**	**6.4**	**8.5**	**7.5**	**3.8**	**1.7**	**1.4**	-5.9
Dry	-6.7	-4.7	-2.3	-0.2	-0.3	**2.1**	**2.8**	**3.2**	**1.2**	**1.1**	**2.0**	**1.7**
Critical	-3.3	-2.0	-2.4	-1.3	-0.5	**1.4**	**1.9**	**2.0**	**1.5**	**1.1**	**1.3**	-1.7

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999) calculated for current and future climate.

Positive differences highlighted in red indicate eastward movement of X2 position

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-8-3. X2, End of Month Position

Existing Condition

Statistic	End of Month Position (KM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	93.0	92.0	90.6	84.8	77.8	75.6	76.5	80.9	83.2	86.4	89.6	91.7
20%	91.6	91.2	89.8	82.9	72.1	72.0	72.5	77.3	81.4	85.4	87.3	89.9
30%	91.3	90.9	88.6	80.0	66.9	64.9	69.0	74.5	81.0	84.6	86.6	89.6
40%	91.1	90.3	87.0	72.6	63.6	63.5	66.3	70.9	79.5	82.2	86.0	89.2
50%	90.7	89.6	85.4	69.0	58.5	60.3	63.6	66.8	76.9	81.2	85.7	89.0
60%	90.3	88.5	79.6	64.4	53.4	57.3	60.7	64.1	74.8	79.9	85.0	88.5
70%	89.3	87.0	70.9	55.1	51.3	53.5	58.6	62.0	71.5	78.6	84.7	88.2
80%	86.0	83.8	64.5	49.7	48.1	49.4	53.6	59.1	66.7	77.1	83.5	85.4
90%	80.4	73.1	53.3	48.2	47.7	48.2	49.6	52.6	59.3	72.9	82.4	81.4
Long Term												
Full Simulation Period[a]	88.5	86.3	77.9	67.6	60.7	60.7	63.4	67.5	74.6	80.4	85.2	87.4
Water Year Types[b]												
Wet (32%)	84.0	82.7	74.6	53.5	50.2	52.0	54.5	57.6	65.0	74.3	82.5	82.5
Above Normal (15%)	88.0	85.0	76.2	61.7	53.9	53.5	58.6	62.6	72.8	78.3	83.8	81.3
Below Normal (17%)	89.3	85.3	75.2	72.4	60.6	62.6	64.1	68.2	76.6	81.7	85.5	89.2
Dry (22%)	91.3	89.0	79.0	77.9	70.1	66.9	69.9	74.5	80.5	84.8	86.9	89.4
Critical (15%)	93.5	92.5	88.5	82.9	76.5	75.1	77.4	82.6	86.0	87.9	89.7	91.9

Alternative 2A,2B,2C (LLT)

Statistic	End of Month Position (KM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	88.0	91.0	90.0	83.3	79.4	79.0	80.1	84.0	85.7	88.9	90.8	92.0
20%	86.5	87.8	88.7	81.6	74.7	74.0	76.4	79.8	83.2	86.8	89.3	91.4
30%	85.0	86.2	85.1	79.0	70.6	69.7	74.6	78.9	81.9	85.7	88.4	90.4
40%	84.3	85.2	84.1	75.4	66.6	67.6	71.6	76.9	80.6	83.8	87.4	89.8
50%	83.2	81.1	82.2	72.7	62.2	64.7	68.5	74.4	80.0	82.8	86.6	88.2
60%	80.6	81.0	80.4	68.5	57.8	60.8	65.8	71.1	78.7	81.4	86.0	81.0
70%	74.1	77.4	74.7	58.0	53.7	55.8	63.2	68.6	76.7	80.8	85.8	74.1
80%	74.0	76.1	65.6	53.5	50.2	51.5	57.9	65.8	74.3	80.1	85.6	74.0
90%	74.0	74.0	57.3	50.6	49.5	49.9	52.1	58.2	67.2	78.6	85.1	74.0
Long Term												
Full Simulation Period[a]	81.3	81.7	77.9	68.8	63.2	64.0	67.7	72.7	78.5	83.0	87.3	84.1
Water Year Types[b]												
Wet (30%)	73.9	74.5	72.7	55.9	52.9	54.2	58.5	63.9	71.6	79.0	85.5	74.0
Above Normal (13%)	80.4	79.5	76.4	63.9	54.2	55.6	61.4	69.3	76.9	80.0	85.4	81.0
Below Normal (15%)	84.9	86.2	85.3	70.4	67.6	70.3	72.7	74.8	80.1	82.9	86.6	82.8
Dry (26%)	84.4	83.6	75.7	78.6	70.1	68.9	72.2	76.4	81.2	85.7	88.6	91.1
Critical (16%)	88.7	90.8	86.3	80.7	75.4	76.1	79.1	84.4	87.5	89.0	90.9	89.6

Alternative 2A,2B,2C (LLT) minus Existing Condition

Statistic	End of Month Position (KM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-4.9	-1.0	-0.6	-1.5	1.5	3.4	3.5	3.1	2.5	2.6	1.2	0.3
20%	-5.1	-3.4	-1.0	-1.3	2.6	2.0	3.8	2.5	1.8	1.4	1.9	1.5
30%	-6.3	-4.7	-3.5	-1.0	3.7	4.8	5.6	4.5	0.9	1.1	1.8	0.8
40%	-6.9	-5.1	-2.9	2.7	3.1	4.1	5.2	6.0	1.1	1.6	1.4	0.6
50%	-7.5	-8.5	-3.2	3.7	3.7	4.4	5.0	7.6	3.1	1.6	0.9	-0.8
60%	-9.7	-7.6	0.8	4.1	4.4	3.5	5.1	7.0	4.0	1.5	1.0	-7.5
70%	-15.2	-9.6	3.8	2.9	2.4	2.2	4.6	6.6	5.2	2.2	1.1	-14.1
80%	-12.0	-7.6	1.1	3.8	2.2	2.1	4.3	6.8	7.7	3.0	2.1	-11.4
90%	-6.4	1.0	3.9	2.5	1.8	1.7	2.5	5.5	7.9	5.7	2.7	-7.4
Long Term												
Full Simulation Period[a]	-7.1	-4.6	-0.1	1.2	2.5	3.3	4.3	5.2	3.9	2.6	2.0	-3.3
Water Year Types[b]												
Wet	-10.1	-8.2	-1.8	2.3	2.7	2.1	4.0	6.3	6.5	4.7	3.0	-8.5
Above Normal	-7.6	-5.5	0.2	2.2	0.2	2.2	2.8	6.7	4.1	1.7	1.5	-0.3
Below Normal	-4.4	0.9	10.1	-2.0	7.0	7.7	8.6	6.6	3.5	1.3	1.1	-6.5
Dry	-7.0	-5.3	-3.3	0.7	0.0	2.0	2.3	1.9	0.6	0.9	1.7	1.7
Critical	-4.8	-1.7	-2.3	-2.2	-1.1	1.0	1.7	1.8	1.5	1.1	1.2	-2.2

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999) calculated for current and future climate.

Positive differences highlighted in red indicate eastward movement of X2 position

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-8-4. X2, End of Month Position

Existing Condition

Statistic	End of Month Position (KM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	93.0	92.0	90.6	84.8	77.8	75.6	76.5	80.9	83.2	86.4	89.6	91.7
20%	91.6	91.2	89.8	82.9	72.1	72.0	72.5	77.3	81.4	85.4	87.3	89.9
30%	91.3	90.9	88.6	80.0	66.9	64.9	69.0	74.5	81.0	84.6	86.6	89.6
40%	91.1	90.3	87.0	72.6	63.6	63.5	66.3	70.9	79.5	82.2	86.0	89.2
50%	90.7	89.6	85.4	69.0	58.5	60.3	63.6	66.8	76.9	81.2	85.7	89.0
60%	90.3	88.5	79.6	64.4	53.4	57.3	60.7	64.1	74.8	79.9	85.0	88.5
70%	89.3	87.0	70.9	55.1	51.3	53.5	58.6	62.0	71.5	78.6	84.7	88.2
80%	86.0	83.8	64.5	49.7	48.1	49.4	53.6	59.1	66.7	77.1	83.5	85.4
90%	80.4	73.1	53.3	48.2	47.7	48.2	49.6	52.6	59.3	72.9	82.4	81.4
Long Term												
Full Simulation Period[a]	88.5	86.3	77.9	67.6	60.7	60.7	63.4	67.5	74.6	80.4	85.2	87.4
Water Year Types[b]												
Wet (32%)	84.0	82.7	74.6	53.5	50.2	52.0	54.5	57.6	65.0	74.3	82.5	82.5
Above Normal (15%)	88.0	85.0	76.2	61.7	53.9	53.5	58.6	62.6	72.8	78.3	83.8	81.3
Below Normal (17%)	89.3	85.3	75.2	72.4	60.6	62.6	64.1	68.2	76.6	81.7	85.5	89.2
Dry (22%)	91.3	89.0	79.0	77.9	70.1	66.9	69.9	74.5	80.5	84.8	86.9	89.4
Critical (15%)	93.5	92.5	88.5	82.9	76.5	75.1	77.4	82.6	86.0	87.9	89.7	91.9

Alternative 3 (LLT)

Statistic	End of Month Position (KM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	90.5	90.4	90.4	82.9	78.8	78.7	80.1	84.0	85.7	88.6	90.8	92.2
20%	89.4	89.3	89.3	81.6	74.6	73.8	77.5	80.4	83.3	86.8	89.7	91.6
30%	88.0	88.6	88.5	78.6	70.9	69.4	74.5	79.7	82.3	85.9	88.8	91.2
40%	87.1	87.1	87.3	76.1	66.7	66.9	72.0	79.0	81.2	84.3	88.0	90.9
50%	85.3	85.8	84.8	71.8	61.3	64.9	69.5	77.3	80.4	83.2	86.9	90.5
60%	84.5	85.2	82.3	68.0	57.1	60.6	67.4	73.1	79.7	82.0	86.2	90.2
70%	83.6	84.3	77.5	57.6	53.6	55.6	63.3	69.4	78.2	80.9	85.9	89.9
80%	82.7	83.0	67.4	52.5	50.0	51.5	57.5	66.1	74.6	80.2	85.4	89.5
90%	80.6	80.4	58.0	50.4	49.3	49.9	52.0	58.1	67.3	78.8	85.2	88.6
Long Term												
Full Simulation Period[a]	85.6	85.1	79.5	68.7	62.9	63.6	68.1	73.7	78.9	83.1	87.5	90.2
Water Year Types[b]												
Wet (30%)	85.7	84.0	75.8	55.5	52.7	53.9	58.8	64.5	71.7	79.0	85.5	89.2
Above Normal (13%)	84.5	83.5	79.8	62.8	53.8	55.6	61.8	71.4	78.1	80.4	85.5	90.3
Below Normal (15%)	83.5	85.1	85.0	72.2	67.1	68.5	72.6	75.6	80.4	83.1	86.8	83.0
Dry (26%)	84.4	84.0	76.4	77.6	69.5	68.5	72.9	77.8	81.7	85.9	88.9	91.3
Critical (16%)	90.2	90.2	86.3	81.3	75.6	76.3	79.2	84.6	87.4	89.0	90.9	90.0

Alternative 3 (LLT) minus Existing Condition

Statistic	End of Month Position (KM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-2.4	-1.6	-0.2	-1.9	**1.0**	**3.1**	**3.6**	**3.1**	**2.6**	**2.2**	**1.2**	**0.5**
20%	-2.3	-2.0	-0.5	-1.4	**2.4**	**1.9**	**4.9**	**3.0**	**1.9**	**1.4**	**2.4**	**1.7**
30%	-3.3	-2.3	-0.1	-1.4	**3.9**	**4.5**	**5.6**	**5.2**	**1.3**	**1.2**	**2.2**	**1.6**
40%	-4.0	-3.1	**0.3**	**3.5**	**3.2**	**3.4**	**5.6**	**8.1**	**1.7**	**2.1**	**1.9**	**1.7**
50%	-5.4	-3.8	-0.6	**2.8**	**2.8**	**4.7**	**5.9**	**10.5**	**3.6**	**2.0**	**1.2**	**1.6**
60%	-5.8	-3.3	**2.6**	**3.6**	**3.6**	**3.3**	**6.6**	**9.0**	**4.9**	**2.1**	**1.2**	**1.7**
70%	-5.7	-2.7	**6.5**	**2.4**	**2.3**	**2.1**	**4.7**	**7.4**	**6.7**	**2.3**	**1.3**	**1.7**
80%	-3.3	-0.7	**2.9**	**2.8**	**2.0**	**2.0**	**4.0**	**7.1**	**7.9**	**3.1**	**2.0**	**4.1**
90%	**0.2**	**7.3**	**4.7**	**2.2**	**1.6**	**1.7**	**2.4**	**5.4**	**8.0**	**5.9**	**2.8**	**7.2**
Long Term												
Full Simulation Period[a]	-2.8	-1.2	**1.5**	**1.1**	**2.2**	**2.9**	**4.6**	**6.1**	**4.3**	**2.7**	**2.2**	**2.8**
Water Year Types[b]												
Wet	**1.8**	**1.2**	**1.2**	**2.0**	**2.5**	**1.9**	**4.4**	**6.9**	**6.7**	**4.8**	**3.0**	**6.7**
Above Normal	-3.5	-1.5	**3.6**	**1.0**	-0.1	**2.2**	**3.2**	**8.8**	**5.3**	**2.0**	**1.7**	**9.0**
Below Normal	-5.8	-0.2	**9.8**	-0.2	**6.5**	**6.0**	**8.5**	**7.4**	**3.8**	**1.4**	**1.3**	-6.3
Dry	-7.0	-4.9	-2.6	-0.3	-0.6	**1.6**	**3.0**	**3.3**	**1.2**	**1.0**	**2.0**	**1.9**
Critical	-3.3	-2.3	-2.3	-1.6	-0.9	**1.3**	**1.8**	**2.0**	**1.4**	**1.1**	**1.2**	-1.9

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999) calculated for current and future climate.

Positive differences highlighted in red indicate eastward movement of X2 position

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-8-5. X2, End of Month Position

Existing Condition

Statistic	End of Month Position (KM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	93.0	92.0	90.6	84.8	77.8	75.6	76.5	80.9	83.2	86.4	89.6	91.7
20%	91.6	91.2	89.8	82.9	72.1	72.0	72.5	77.3	81.4	85.4	87.3	89.9
30%	91.3	90.9	88.6	80.0	66.9	64.9	69.0	74.5	81.0	84.6	86.6	89.6
40%	91.1	90.3	87.0	72.6	63.6	63.5	66.3	70.9	79.5	82.2	86.0	89.2
50%	90.7	89.6	85.4	69.0	58.5	60.3	63.6	66.8	76.9	81.2	85.7	89.0
60%	90.3	88.5	79.6	64.4	53.4	57.3	60.7	64.1	74.8	79.9	85.0	88.5
70%	89.3	87.0	70.9	55.1	51.3	53.5	58.6	62.0	71.5	78.6	84.7	88.2
80%	86.0	83.8	64.5	49.7	48.1	49.4	53.6	59.1	66.7	77.1	83.5	85.4
90%	80.4	73.1	53.3	48.2	47.7	48.2	49.6	52.6	59.3	72.9	82.4	81.4
Long Term												
Full Simulation Period[a]	88.5	86.3	77.9	67.6	60.7	60.7	63.4	67.5	74.6	80.4	85.2	87.4
Water Year Types[b]												
Wet (32%)	84.0	82.7	74.6	53.5	50.2	52.0	54.5	57.6	65.0	74.3	82.5	82.5
Above Normal (15%)	88.0	85.0	76.2	61.7	53.9	53.5	58.6	62.6	72.8	78.3	83.8	81.3
Below Normal (17%)	89.3	85.3	75.2	72.4	60.6	62.6	64.1	68.2	76.6	81.7	85.5	89.2
Dry (22%)	91.3	89.0	79.0	77.9	70.1	66.9	69.9	74.5	80.5	84.8	86.9	89.4
Critical (15%)	93.5	92.5	88.5	82.9	76.5	75.1	77.4	82.6	86.0	87.9	89.7	91.9

Alternative 4 H1 (LLT)

Statistic	End of Month Position (KM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	88.8	90.4	90.2	83.4	78.7	79.1	80.3	83.8	85.7	89.0	90.7	92.0
20%	87.6	88.6	89.6	81.5	74.3	73.9	76.6	80.1	83.3	86.7	89.2	91.2
30%	87.2	87.9	88.3	78.4	70.4	69.0	74.3	79.0	82.1	85.9	88.5	90.9
40%	86.9	87.5	86.4	74.6	66.1	67.5	71.1	76.8	80.6	84.1	87.6	90.5
50%	86.3	87.0	84.6	72.0	61.8	64.6	68.3	73.9	80.0	82.8	86.3	90.3
60%	85.8	86.6	82.2	68.2	56.5	59.9	65.3	71.0	78.6	81.1	85.9	90.0
70%	85.1	85.6	77.5	57.7	53.3	55.8	62.9	67.6	76.6	80.7	85.6	89.7
80%	84.0	84.9	67.2	52.2	50.1	51.3	57.3	65.3	74.0	79.7	85.3	89.2
90%	83.1	78.3	57.1	50.3	49.4	49.9	51.9	57.5	66.4	77.6	85.0	88.1
Long Term												
Full Simulation Period[a]	85.9	85.4	79.2	68.5	62.8	63.6	67.5	72.5	78.4	82.9	87.2	89.9
Water Year Types[b]												
Wet (30%)	85.9	84.1	76.2	55.3	52.6	53.8	58.1	63.4	71.2	78.8	85.4	89.1
Above Normal (13%)	85.9	84.7	79.1	62.9	53.4	55.1	61.1	69.3	76.9	79.6	85.1	90.1
Below Normal (15%)	85.7	86.5	85.0	69.8	66.7	69.5	72.1	74.7	79.9	82.9	86.5	82.7
Dry (26%)	84.2	83.4	75.8	78.4	69.6	68.5	72.1	76.4	81.1	85.6	88.5	90.8
Critical (16%)	88.9	90.7	85.7	81.1	75.7	76.1	79.1	84.3	87.4	89.2	90.9	89.8

Alternative 4 H1 (LLT) minus Existing Condition

Statistic	End of Month Position (KM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-4.2	-1.6	-0.4	-1.4	**0.9**	**3.4**	**3.7**	**2.9**	**2.5**	**2.7**	**1.2**	**0.3**
20%	-4.0	-2.7	-0.1	-1.4	**2.2**	**2.0**	**4.1**	**2.7**	**1.9**	**1.3**	**1.8**	**1.3**
30%	-4.1	-3.0	-0.3	-1.6	**3.5**	**4.1**	**5.4**	**4.5**	**1.2**	**1.2**	**1.8**	**1.3**
40%	-4.2	-2.7	-0.7	**2.0**	**2.5**	**3.9**	**4.8**	**5.9**	**1.0**	**1.9**	**1.5**	**1.3**
50%	-4.4	-2.6	-0.8	**3.0**	**3.3**	**4.3**	**4.8**	**7.1**	**3.1**	**1.6**	**0.6**	**1.3**
60%	-4.5	-2.0	**2.5**	**3.8**	**3.1**	**2.5**	**4.6**	**6.8**	**3.8**	**1.2**	**0.9**	**1.5**
70%	-4.2	-1.4	**6.6**	**2.6**	**2.0**	**2.2**	**4.3**	**5.6**	**5.1**	**2.1**	**1.0**	**1.5**
80%	-2.0	**1.1**	**2.7**	**2.5**	**2.0**	**1.9**	**3.8**	**6.3**	**7.3**	**2.6**	**1.8**	**3.7**
90%	**2.8**	**5.2**	**3.8**	**2.1**	**1.7**	**1.7**	**2.3**	**4.9**	**7.1**	**4.7**	**2.6**	**6.7**
Long Term												
Full Simulation Period[a]	-2.5	-0.9	**1.3**	**0.9**	**2.1**	**2.9**	**4.0**	**5.0**	**3.8**	**2.5**	**1.9**	**2.5**
Water Year Types[b]												
Wet	**1.9**	**1.3**	**1.7**	**1.8**	**2.4**	**1.8**	**3.7**	**5.8**	**6.2**	**4.5**	**2.9**	**6.6**
Above Normal	-2.0	-0.3	**2.9**	**1.2**	-0.6	**1.6**	**2.5**	**6.6**	**4.2**	**1.3**	**1.2**	**8.8**
Below Normal	-3.6	**1.2**	**9.8**	-2.6	**6.1**	**7.0**	**8.0**	**6.6**	**3.4**	**1.2**	**1.0**	-6.5
Dry	-7.1	-5.5	-3.2	**0.6**	-0.4	**1.6**	**2.2**	**1.9**	**0.5**	**0.8**	**1.6**	**1.4**
Critical	-4.6	-1.7	-2.9	-1.8	-0.8	**1.0**	**1.7**	**1.7**	**1.4**	**1.3**	**1.2**	-2.0

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999) calculated for current and future climate.

Positive differences highlighted in red indicate eastward movement of X2 position

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-8-6. X2, End of Month Position

Existing Condition

Statistic	End of Month Position (KM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	93.0	92.0	90.6	84.8	77.8	75.6	76.5	80.9	83.2	86.4	89.6	91.7
20%	91.6	91.2	89.8	82.9	72.1	72.0	72.5	77.3	81.4	85.4	87.3	89.9
30%	91.3	90.9	88.6	80.0	66.9	64.9	69.0	74.5	81.0	84.6	86.6	89.6
40%	91.1	90.3	87.0	72.6	63.6	63.5	66.3	70.9	79.5	82.2	86.0	89.2
50%	90.7	89.6	85.4	69.0	58.5	60.3	63.6	66.8	76.9	81.2	85.7	89.0
60%	90.3	88.5	79.6	64.4	53.4	57.3	60.7	64.1	74.8	79.9	85.0	88.5
70%	89.3	87.0	70.9	55.1	51.3	53.5	58.6	62.0	71.5	78.6	84.7	88.2
80%	86.0	83.8	64.5	49.7	48.1	49.4	53.6	59.1	66.7	77.1	83.5	85.4
90%	80.4	73.1	53.3	48.2	47.7	48.2	49.6	52.6	59.3	72.9	82.4	81.4
Long Term												
Full Simulation Period[a]	88.5	86.3	77.9	67.6	60.7	60.7	63.4	67.5	74.6	80.4	85.2	87.4
Water Year Types[b]												
Wet (32%)	84.0	82.7	74.6	53.5	50.2	52.0	54.5	57.6	65.0	74.3	82.5	82.5
Above Normal (15%)	88.0	85.0	76.2	61.7	53.9	53.5	58.6	62.6	72.8	78.3	83.8	81.3
Below Normal (17%)	89.3	85.3	75.2	72.4	60.6	62.6	64.1	68.2	76.6	81.7	85.5	89.2
Dry (22%)	91.3	89.0	79.0	77.9	70.1	66.9	69.9	74.5	80.5	84.8	86.9	89.4
Critical (15%)	93.5	92.5	88.5	82.9	76.5	75.1	77.4	82.6	86.0	87.9	89.7	91.9

Alternative 4 H2 (LLT)

Statistic	End of Month Position (KM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	88.6	91.2	90.6	83.0	78.5	78.5	79.5	83.6	85.6	89.0	91.0	91.5
20%	87.4	88.9	89.8	81.6	74.9	72.0	76.2	79.9	83.3	86.6	88.8	90.9
30%	87.0	88.0	88.7	79.4	70.0	67.6	72.6	78.5	82.4	85.4	88.1	90.5
40%	86.5	87.4	87.6	74.0	65.7	64.7	68.3	73.3	80.2	83.9	87.4	90.2
50%	86.1	86.9	84.1	71.5	61.8	62.0	63.2	68.6	77.9	82.7	86.7	90.0
60%	85.7	86.5	81.6	67.4	56.5	59.2	61.2	67.0	76.7	81.6	86.2	89.6
70%	84.7	85.6	75.9	57.4	53.4	55.1	58.6	64.7	75.4	80.9	85.8	89.4
80%	84.0	84.6	67.8	53.2	50.2	51.3	56.6	62.9	73.3	80.1	85.5	88.9
90%	82.4	78.3	56.2	50.4	49.4	49.9	51.9	56.3	66.3	77.9	85.0	87.7
Long Term												
Full Simulation Period[a]	85.7	85.3	79.3	68.4	62.7	62.6	65.3	70.6	77.7	83.0	87.2	89.6
Water Year Types[b]												
Wet (30%)	85.6	83.8	76.3	55.4	52.6	53.2	55.8	60.6	70.3	78.8	85.4	88.9
Above Normal (13%)	84.9	84.1	79.3	62.9	53.4	54.9	58.3	65.5	75.8	80.6	85.5	90.0
Below Normal (15%)	85.5	86.5	85.4	69.3	66.2	67.2	69.1	73.6	79.5	82.8	86.7	82.5
Dry (26%)	84.3	83.6	75.6	78.3	69.5	67.2	69.9	74.9	80.7	85.6	88.2	90.0
Critical (16%)	88.9	91.0	85.8	81.0	75.6	75.8	78.9	84.2	87.3	89.1	91.0	89.7

Alternative 4 H2 (LLT) minus Existing Condition

Statistic	End of Month Position (KM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-4.4	-0.9	0.0	-1.8	**0.6**	**2.9**	**2.9**	**2.7**	**2.5**	**2.6**	**1.4**	-0.2
20%	-4.2	-2.4	0.0	-1.3	**2.8**	**0.0**	**3.6**	**2.6**	**1.9**	**1.3**	**1.5**	**1.0**
30%	-4.4	-2.9	**0.1**	-0.7	**3.1**	**2.7**	**3.6**	**4.0**	**1.4**	**0.8**	**1.5**	**0.9**
40%	-4.6	-2.8	**0.5**	**1.3**	**2.1**	**1.2**	**2.0**	**2.4**	**0.7**	**1.7**	**1.4**	**1.0**
50%	-4.6	-2.6	-1.3	**2.5**	**3.3**	**1.7**	-0.4	**1.8**	**1.0**	**1.5**	**1.0**	**1.0**
60%	-4.6	-2.0	**2.0**	**3.0**	**3.1**	**1.8**	**0.5**	**2.9**	**2.0**	**1.7**	**1.1**	**1.1**
70%	-4.6	-1.4	**5.0**	**2.3**	**2.1**	**1.6**	0.0	**2.7**	**3.9**	**2.3**	**1.1**	**1.2**
80%	-2.0	**0.8**	**3.3**	**3.5**	**2.1**	**1.8**	**3.0**	**3.9**	**6.6**	**3.0**	**2.0**	**3.4**
90%	**2.0**	**5.2**	**2.9**	**2.2**	**1.7**	**1.7**	**2.3**	**3.7**	**7.1**	**4.9**	**2.6**	**6.3**
Long Term												
Full Simulation Period[a]	-2.8	-1.0	**1.3**	**0.8**	**1.9**	**2.0**	**1.9**	**3.1**	**3.1**	**2.6**	**2.0**	**2.2**
Water Year Types[b]												
Wet	**1.7**	**1.1**	**1.8**	**1.8**	**2.4**	**1.1**	**1.4**	**3.0**	**5.2**	**4.6**	**2.9**	**6.4**
Above Normal	-3.1	-0.9	**3.1**	**1.2**	-0.6	**1.5**	-0.3	**2.9**	**3.0**	**2.3**	**1.7**	**8.7**
Below Normal	-3.8	**1.2**	**10.2**	-3.1	**5.7**	**4.7**	**5.0**	**5.5**	**2.9**	**1.2**	**1.2**	-6.7
Dry	-7.0	-5.4	-3.4	**0.5**	-0.6	**0.3**	0.0	**0.4**	**0.2**	**0.7**	**1.3**	**0.6**
Critical	-4.6	-1.4	-2.8	-1.9	-0.9	**0.7**	**1.5**	**1.5**	**1.3**	**1.2**	**1.3**	-2.1

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999) calculated for current and future climate.

Positive differences highlighted in red indicate eastward movement of X2 position

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-8-7. X2, End of Month Position

Existing Condition

Statistic	End of Month Position (KM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	93.0	92.0	90.6	84.8	77.8	75.6	76.5	80.9	83.2	86.4	89.6	91.7
20%	91.6	91.2	89.8	82.9	72.1	72.0	72.5	77.3	81.4	85.4	87.3	89.9
30%	91.3	90.9	88.6	80.0	66.9	64.9	69.0	74.5	81.0	84.6	86.6	89.6
40%	91.1	90.3	87.0	72.6	63.6	63.5	66.3	70.9	79.5	82.2	86.0	89.2
50%	90.7	89.6	85.4	69.0	58.5	60.3	63.6	66.8	76.9	81.2	85.7	89.0
60%	90.3	88.5	79.6	64.4	53.4	57.3	60.7	64.1	74.8	79.9	85.0	88.5
70%	89.3	87.0	70.9	55.1	51.3	53.5	58.6	62.0	71.5	78.6	84.7	88.2
80%	86.0	83.8	64.5	49.7	48.1	49.4	53.6	59.1	66.7	77.1	83.5	85.4
90%	80.4	73.1	53.3	48.2	47.7	48.2	49.6	52.6	59.3	72.9	82.4	81.4
Long Term												
Full Simulation Period[a]	88.5	86.3	77.9	67.6	60.7	60.7	63.4	67.5	74.6	80.4	85.2	87.4
Water Year Types[b]												
Wet (32%)	84.0	82.7	74.6	53.5	50.2	52.0	54.5	57.6	65.0	74.3	82.5	82.5
Above Normal (15%)	88.0	85.0	76.2	61.7	53.9	53.5	58.6	62.6	72.8	78.3	83.8	81.3
Below Normal (17%)	89.3	85.3	75.2	72.4	60.6	62.6	64.1	68.2	76.6	81.7	85.5	89.2
Dry (22%)	91.3	89.0	79.0	77.9	70.1	66.9	69.9	74.5	80.5	84.8	86.9	89.4
Critical (15%)	93.5	92.5	88.5	82.9	76.5	75.1	77.4	82.6	86.0	87.9	89.7	91.9

Alternative 4 H3 (LLT)

Statistic	End of Month Position (KM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	88.5	91.1	90.3	82.8	78.9	78.9	80.1	84.0	85.7	88.8	90.7	92.0
20%	86.9	88.5	88.4	81.4	74.6	73.9	76.4	79.8	83.1	86.8	89.2	91.1
30%	85.9	86.7	85.4	79.9	70.5	69.6	74.5	79.1	82.0	85.7	88.7	90.2
40%	84.5	85.4	84.0	75.1	66.5	67.5	71.1	76.9	80.7	83.8	87.4	89.3
50%	83.1	81.1	82.1	72.2	62.0	64.6	68.6	73.7	80.2	82.8	86.4	88.2
60%	80.6	80.9	80.5	68.6	57.1	60.9	65.8	71.1	78.4	81.1	85.9	81.0
70%	74.1	77.4	74.6	57.7	53.4	55.9	62.9	67.5	76.7	80.6	85.7	74.1
80%	74.0	76.1	65.2	53.3	50.1	51.4	57.5	65.3	73.9	79.6	85.2	74.0
90%	74.0	74.0	57.3	50.4	49.4	49.8	51.9	57.6	66.4	77.6	85.0	74.0
Long Term												
Full Simulation Period[a]	81.5	81.8	77.8	68.6	63.0	63.8	67.6	72.5	78.4	82.9	87.2	84.0
Water Year Types[b]												
Wet (30%)	73.9	74.5	72.6	55.6	52.7	54.0	58.3	63.4	71.3	78.7	85.3	74.0
Above Normal (13%)	80.5	79.4	76.4	63.7	54.0	55.5	61.2	69.2	76.9	79.6	85.1	81.0
Below Normal (15%)	85.5	86.5	85.2	70.4	67.4	70.3	72.5	74.7	80.0	82.8	86.4	82.5
Dry (26%)	84.6	83.7	75.7	78.2	69.7	68.6	72.1	76.4	81.2	85.7	88.5	90.9
Critical (16%)	88.5	90.9	86.2	80.8	75.5	76.1	79.1	84.4	87.5	89.1	90.9	89.7

Alternative 4 H3 (LLT) minus Existing Condition

Statistic	End of Month Position (KM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-4.4	-1.0	-0.3	-2.0	1.1	3.3	3.5	3.1	2.6	2.4	1.1	0.3
20%	-4.8	-2.8	-1.4	-1.5	2.5	2.0	3.8	2.5	1.7	1.4	1.9	1.2
30%	-5.4	-4.2	-3.2	-0.2	3.6	4.7	5.6	4.6	1.0	1.1	2.0	0.6
40%	-6.6	-4.9	-3.1	2.5	3.0	3.9	4.7	6.0	1.2	1.7	1.4	0.1
50%	-7.6	-8.5	-3.2	3.3	3.5	4.3	5.0	6.9	3.3	1.6	0.7	-0.7
60%	-9.7	-7.6	0.9	4.2	3.7	3.5	5.1	7.0	3.6	1.2	0.9	-7.5
70%	-15.3	-9.6	3.7	2.6	2.1	2.4	4.3	5.5	5.2	2.0	1.1	-14.1
80%	-12.0	-7.6	0.7	3.6	2.0	1.9	3.9	6.3	7.2	2.5	1.8	-11.4
90%	-6.4	1.0	3.9	2.3	1.7	1.7	2.3	4.9	7.1	4.7	2.6	-7.4
Long Term												
Full Simulation Period[a]	-7.0	-4.5	-0.1	1.1	2.3	3.2	4.1	5.0	3.8	2.4	1.9	-3.4
Water Year Types[b]												
Wet	-10.1	-8.2	-2.0	2.1	2.6	2.0	3.8	5.8	6.2	4.4	2.8	-8.5
Above Normal	-7.5	-5.6	0.2	2.0	0.1	2.0	2.6	6.6	4.1	1.2	1.2	-0.3
Below Normal	-3.8	1.2	10.0	-2.0	6.8	7.8	8.4	6.5	3.4	1.2	0.9	-6.7
Dry	-6.7	-5.3	-3.3	0.4	-0.4	1.7	2.2	1.9	0.7	0.8	1.6	1.4
Critical	-5.0	-1.6	-2.4	-2.1	-1.1	1.0	1.8	1.7	1.5	1.1	1.2	-2.1

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999) calculated for current and future climate.

Positive differences highlighted in red indicate eastward movement of X2 position

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-8-8. X2, End of Month Position

Existing Condition

Statistic	End of Month Position (KM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	93.0	92.0	90.6	84.8	77.8	75.6	76.5	80.9	83.2	86.4	89.6	91.7
20%	91.6	91.2	89.8	82.9	72.1	72.0	72.5	77.3	81.4	85.4	87.3	89.9
30%	91.3	90.9	88.6	80.0	66.9	64.9	69.0	74.5	81.0	84.6	86.6	89.6
40%	91.1	90.3	87.0	72.6	63.6	63.5	66.3	70.9	79.5	82.2	86.0	89.2
50%	90.7	89.6	85.4	69.0	58.5	60.3	63.6	66.8	76.9	81.2	85.7	89.0
60%	90.3	88.5	79.6	64.4	53.4	57.3	60.7	64.1	74.8	79.9	85.0	88.5
70%	89.3	87.0	70.9	55.1	51.3	53.5	58.6	62.0	71.5	78.6	84.7	88.2
80%	86.0	83.8	64.5	49.7	48.1	49.4	53.6	59.1	66.7	77.1	83.5	85.4
90%	80.4	73.1	53.3	48.2	47.7	48.2	49.6	52.6	59.3	72.9	82.4	81.4
Long Term												
Full Simulation Period[a]	88.5	86.3	77.9	67.6	60.7	60.7	63.4	67.5	74.6	80.4	85.2	87.4
Water Year Types[b]												
Wet (32%)	84.0	82.7	74.6	53.5	50.2	52.0	54.5	57.6	65.0	74.3	82.5	82.5
Above Normal (15%)	88.0	85.0	76.2	61.7	53.9	53.5	58.6	62.6	72.8	78.3	83.8	81.3
Below Normal (17%)	89.3	85.3	75.2	72.4	60.6	62.6	64.1	68.2	76.6	81.7	85.5	89.2
Dry (22%)	91.3	89.0	79.0	77.9	70.1	66.9	69.9	74.5	80.5	84.8	86.9	89.4
Critical (15%)	93.5	92.5	88.5	82.9	76.5	75.1	77.4	82.6	86.0	87.9	89.7	91.9

Alternative 4 H4 (LLT)

Statistic	End of Month Position (KM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	88.8	90.2	90.5	83.1	79.5	78.5	79.7	83.6	85.6	89.0	90.9	91.6
20%	86.5	88.8	89.4	82.2	74.6	72.0	76.1	79.9	83.3	86.6	88.9	90.5
30%	85.5	87.1	85.3	80.5	70.5	68.1	73.3	78.4	82.4	85.6	88.0	90.0
40%	84.3	85.2	83.5	74.6	66.1	65.1	68.5	73.1	80.3	83.7	87.3	89.1
50%	82.2	81.0	82.0	72.3	61.9	63.0	63.2	68.9	78.2	82.7	86.6	87.5
60%	80.5	80.9	80.3	67.9	57.0	59.4	61.5	67.3	76.5	81.4	86.1	81.0
70%	74.1	77.4	74.2	57.6	53.6	55.3	58.7	64.9	75.2	80.8	85.7	74.1
80%	74.0	76.1	65.6	53.5	50.3	51.4	56.5	63.0	73.4	79.6	85.3	74.0
90%	74.0	74.0	56.5	50.4	49.4	49.9	51.9	56.4	66.4	77.8	84.8	74.0
Long Term												
Full Simulation Period[a]	81.4	81.7	77.7	68.9	63.1	62.9	65.5	70.6	77.8	82.9	87.1	83.8
Water Year Types[b]												
Wet (30%)	73.9	74.5	72.5	55.7	52.8	53.3	55.9	60.6	70.4	78.7	85.3	74.0
Above Normal (13%)	80.4	79.4	76.2	63.7	54.0	55.3	58.3	65.5	75.8	80.3	85.4	81.0
Below Normal (15%)	84.7	86.0	85.4	70.2	67.2	68.0	69.6	73.7	79.5	82.7	86.6	82.7
Dry (26%)	84.5	83.8	75.6	78.5	69.7	67.4	70.0	75.1	80.8	85.6	88.2	89.8
Critical (16%)	88.9	90.7	86.0	81.9	75.9	75.9	78.9	84.2	87.4	89.1	90.9	89.6

Alternative 4 H4 (LLT) minus Existing Condition

Statistic	End of Month Position (KM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-4.2	-1.9	-0.1	-1.7	1.7	2.9	3.2	2.7	2.5	2.6	1.3	-0.1
20%	-5.2	-2.5	-0.4	-0.7	2.5	0.0	3.6	2.6	1.9	1.3	1.5	0.6
30%	-5.8	-3.8	-3.3	0.5	3.5	3.2	4.4	4.0	1.4	1.0	1.4	0.3
40%	-6.9	-5.0	-3.5	1.9	2.5	1.5	2.2	2.2	0.8	1.5	1.3	-0.1
50%	-8.5	-8.5	-3.4	3.3	3.4	2.8	-0.4	2.1	1.4	1.5	0.9	-1.5
60%	-9.7	-7.7	0.6	3.5	3.5	2.1	0.8	3.1	1.7	1.5	1.1	-7.5
70%	-15.2	-9.6	3.3	2.5	2.3	1.8	0.1	2.9	3.7	2.2	1.1	-14.1
80%	-12.0	-7.7	1.1	3.8	2.2	1.9	2.9	3.9	6.7	2.5	1.9	-11.4
90%	-6.4	0.9	3.2	2.2	1.7	1.7	2.3	3.8	7.1	4.9	2.5	-7.4
Long Term												
Full Simulation Period[a]	-7.1	-4.6	-0.2	1.3	2.3	2.2	2.0	3.1	3.2	2.5	1.9	-3.7
Water Year Types[b]												
Wet	-10.1	-8.2	-2.1	2.2	2.6	1.2	1.5	3.0	5.4	4.4	2.8	-8.5
Above Normal	-7.6	-5.6	0.0	2.0	0.1	1.8	-0.3	2.9	3.0	2.0	1.5	-0.3
Below Normal	-4.6	0.7	10.2	-2.2	6.6	5.4	5.5	5.6	3.0	1.1	1.1	-6.5
Dry	-6.9	-5.1	-3.4	0.6	-0.3	0.5	0.1	0.6	0.3	0.7	1.3	0.4
Critical	-4.6	-1.8	-2.5	-1.0	-0.6	0.8	1.5	1.5	1.4	1.2	1.2	-2.3

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999) calculated for current and future climate.

Positive differences highlighted in red indicate eastward movement of X2 position

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-8-9. X2, End of Month Position

Existing Condition

	End of Month Position (KM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	93.0	92.0	90.6	84.8	77.8	75.6	76.5	80.9	83.2	86.4	89.6	91.7
20%	91.6	91.2	89.8	82.9	72.1	72.0	72.5	77.3	81.4	85.4	87.3	89.9
30%	91.3	90.9	88.6	80.0	66.9	64.9	69.0	74.5	81.0	84.6	86.6	89.6
40%	91.1	90.3	87.0	72.6	63.6	63.5	66.3	70.9	79.5	82.2	86.0	89.2
50%	90.7	89.6	85.4	69.0	58.5	60.3	63.6	66.8	76.9	81.2	85.7	89.0
60%	90.3	88.5	79.6	64.4	53.4	57.3	60.7	64.1	74.8	79.9	85.0	88.5
70%	89.3	87.0	70.9	55.1	51.3	53.5	58.6	62.0	71.5	78.6	84.7	88.2
80%	86.0	83.8	64.5	49.7	48.1	49.4	53.6	59.1	66.7	77.1	83.5	85.4
90%	80.4	73.1	53.3	48.2	47.7	48.2	49.6	52.6	59.3	72.9	82.4	81.4
Long Term												
Full Simulation Period[a]	88.5	86.3	77.9	67.6	60.7	60.7	63.4	67.5	74.6	80.4	85.2	87.4
Water Year Types[b]												
Wet (32%)	84.0	82.7	74.6	53.5	50.2	52.0	54.5	57.6	65.0	74.3	82.5	82.5
Above Normal (15%)	88.0	85.0	76.2	61.7	53.9	53.5	58.6	62.6	72.8	78.3	83.8	81.3
Below Normal (17%)	89.3	85.3	75.2	72.4	60.6	62.6	64.1	68.2	76.6	81.7	85.5	89.2
Dry (22%)	91.3	89.0	79.0	77.9	70.1	66.9	69.9	74.5	80.5	84.8	86.9	89.4
Critical (15%)	93.5	92.5	88.5	82.9	76.5	75.1	77.4	82.6	86.0	87.9	89.7	91.9

Alternative 5 (LLT)

	End of Month Position (KM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	90.2	90.9	90.2	83.8	80.0	79.1	79.9	84.0	85.8	89.0	90.6	92.0
20%	86.9	87.2	89.1	82.6	76.3	74.0	76.6	80.2	83.4	86.4	89.1	91.1
30%	85.8	86.4	85.5	81.4	71.2	69.3	74.1	78.9	82.5	85.3	88.2	90.6
40%	84.6	85.4	84.3	76.3	66.2	66.8	70.5	77.1	81.0	83.7	87.0	89.8
50%	81.9	81.4	83.0	74.6	60.8	64.3	68.0	73.8	80.5	82.6	86.4	88.7
60%	81.0	81.0	81.8	67.5	57.4	60.5	65.3	70.6	78.6	80.9	85.7	81.1
70%	74.6	77.3	75.7	57.2	53.0	55.6	61.1	66.9	76.9	80.0	85.3	74.1
80%	74.0	76.1	66.1	53.1	50.1	51.4	56.1	64.1	73.8	79.4	85.0	74.0
90%	74.0	74.1	58.0	50.5	49.4	49.9	51.4	56.4	66.4	77.9	84.5	74.0
Long Term												
Full Simulation Period[a]	81.9	81.8	78.3	69.3	63.2	63.7	67.0	72.2	78.6	82.6	87.0	84.1
Water Year Types[b]												
Wet (30%)	74.0	74.5	73.1	55.8	52.8	54.1	57.6	62.5	71.2	78.5	85.0	74.0
Above Normal (13%)	81.0	79.5	76.9	63.7	54.0	55.3	60.5	68.8	77.4	79.6	84.9	81.0
Below Normal (15%)	85.8	85.8	85.4	72.6	68.1	69.8	71.8	74.7	80.5	82.5	86.2	82.5
Dry (26%)	84.5	83.9	76.4	79.0	69.8	68.2	71.6	76.7	81.4	85.4	88.4	91.0
Critical (16%)	90.2	91.1	86.3	81.1	75.6	76.2	79.0	84.3	87.4	88.9	90.9	90.1

Alternative 5 (LLT) minus Existing Condition

	End of Month Position (KM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-2.7	-1.1	-0.4	-1.0	2.2	3.5	3.4	3.1	2.6	2.6	1.1	0.3
20%	-4.7	-4.0	-0.6	-0.3	4.2	2.0	4.0	2.9	2.0	1.1	1.8	1.2
30%	-5.5	-4.5	-3.1	1.4	4.2	4.4	5.1	4.5	1.5	0.7	1.6	1.0
40%	-6.5	-4.9	-2.8	3.6	2.6	3.3	4.1	6.2	1.4	1.6	1.0	0.6
50%	-8.7	-8.2	-2.4	5.6	2.3	4.0	4.4	7.0	3.7	1.4	0.7	-0.2
60%	-9.3	-7.5	2.2	3.1	4.0	3.2	4.6	6.5	3.8	1.0	0.7	-7.4
70%	-14.7	-9.7	4.8	2.1	1.6	2.1	2.5	4.9	5.4	1.5	0.7	-14.1
80%	-12.0	-7.7	1.6	3.4	2.0	2.0	2.5	5.1	7.1	2.3	1.5	-11.4
90%	-6.4	1.0	4.7	2.4	1.7	1.7	1.8	3.7	7.1	5.0	2.1	-7.4
Long Term												
Full Simulation Period[a]	-6.6	-4.5	0.3	1.7	2.5	3.0	3.6	4.7	4.0	2.2	1.7	-3.3
Water Year Types[b]												
Wet	-10.0	-8.2	-1.4	2.3	2.6	2.0	3.2	4.9	6.2	4.2	2.5	-8.5
Above Normal	-7.0	-5.5	0.7	2.0	0.1	1.9	1.9	6.2	4.6	1.3	1.1	-0.3
Below Normal	-3.5	0.5	10.2	0.2	7.5	7.2	7.7	6.6	3.9	0.8	0.7	-6.8
Dry	-6.8	-5.1	-2.6	1.2	-0.2	1.4	1.7	2.2	0.9	0.6	1.5	1.6
Critical	-3.3	-1.3	-2.2	-1.8	-0.9	1.1	1.6	1.6	1.4	1.0	1.2	-1.8

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999) calculated for current and future climate.

Positive differences highlighted in red indicate eastward movement of X2 position

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-8-10. X2, End of Month Position

Existing Condition

	End of Month Position (KM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	93.0	92.0	90.6	84.8	77.8	75.6	76.5	80.9	83.2	86.4	89.6	91.7
20%	91.6	91.2	89.8	82.9	72.1	72.0	72.5	77.3	81.4	85.4	87.3	89.9
30%	91.3	90.9	88.6	80.0	66.9	64.9	69.0	74.5	81.0	84.6	86.6	89.6
40%	91.1	90.3	87.0	72.6	63.6	63.5	66.3	70.9	79.5	82.2	86.0	89.2
50%	90.7	89.6	85.4	69.0	58.5	60.3	63.6	66.8	76.9	81.2	85.7	89.0
60%	90.3	88.5	79.6	64.4	53.4	57.3	60.7	64.1	74.8	79.9	85.0	88.5
70%	89.3	87.0	70.9	55.1	51.3	53.5	58.6	62.0	71.5	78.6	84.7	88.2
80%	86.0	83.8	64.5	49.7	48.1	49.4	53.6	59.1	66.7	77.1	83.5	85.4
90%	80.4	73.1	53.3	48.2	47.7	48.2	49.6	52.6	59.3	72.9	82.4	81.4
Long Term												
Full Simulation Period[a]	88.5	86.3	77.9	67.6	60.7	60.7	63.4	67.5	74.6	80.4	85.2	87.4
Water Year Types[b]												
Wet (32%)	84.0	82.7	74.6	53.5	50.2	52.0	54.5	57.6	65.0	74.3	82.5	82.5
Above Normal (15%)	88.0	85.0	76.2	61.7	53.9	53.5	58.6	62.6	72.8	78.3	83.8	81.3
Below Normal (17%)	89.3	85.3	75.2	72.4	60.6	62.6	64.1	68.2	76.6	81.7	85.5	89.2
Dry (22%)	91.3	89.0	79.0	77.9	70.1	66.9	69.9	74.5	80.5	84.8	86.9	89.4
Critical (15%)	93.5	92.5	88.5	82.9	76.5	75.1	77.4	82.6	86.0	87.9	89.7	91.9

Alternative 6A,6B,6C (LLT)

	End of Month Position (KM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	85.5	85.1	82.4	76.5	74.0	74.1	78.2	82.9	85.5	87.9	88.5	86.6
20%	84.3	83.5	80.6	75.7	69.6	69.7	74.9	79.6	83.2	86.5	87.4	86.0
30%	83.6	82.9	78.5	72.7	66.1	66.7	71.9	78.4	82.3	85.7	86.6	85.4
40%	82.9	81.9	76.9	67.9	65.2	65.6	69.4	75.9	80.3	84.7	86.0	84.7
50%	82.3	81.0	75.3	66.6	60.4	63.3	67.2	73.4	79.4	83.0	85.1	84.0
60%	80.4	79.9	71.6	64.0	57.0	60.2	65.0	70.3	78.2	81.7	84.1	81.0
70%	74.1	76.4	68.2	56.9	53.4	55.9	62.8	67.5	75.8	80.4	83.1	74.1
80%	74.0	74.3	62.7	51.8	50.2	51.6	58.2	65.4	73.5	79.9	82.2	74.0
90%	74.0	73.8	54.8	50.3	49.3	49.9	52.1	58.1	66.7	76.5	81.6	74.0
Long Term												
Full Simulation Period[a]	80.4	79.2	71.9	64.8	61.0	62.2	66.6	72.1	78.1	82.8	84.8	81.5
Water Year Types[b]												
Wet (30%)	73.8	73.8	67.9	54.3	52.9	53.9	58.1	63.3	71.1	77.6	81.4	74.0
Above Normal (13%)	80.3	79.0	71.1	60.6	53.4	55.5	61.2	68.8	76.6	81.1	83.5	81.0
Below Normal (15%)	83.2	82.3	76.3	66.2	65.4	67.1	70.7	74.7	80.0	84.2	85.6	77.6
Dry (26%)	82.7	79.8	69.8	71.8	65.9	65.8	70.3	75.9	80.9	85.5	86.7	85.2
Critical (16%)	87.1	85.9	79.7	75.8	71.2	73.4	77.8	83.2	86.3	88.4	88.6	87.7

Alternative 6A,6B,6C (LLT) minus Existing Condition

	End of Month Position (KM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-7.4	-7.0	-8.2	-8.3	-3.9	-1.6	1.7	2.0	2.3	1.5	-1.1	-5.1
20%	-7.4	-7.7	-9.2	-7.2	-2.5	-2.2	2.4	2.2	1.8	1.2	0.1	-3.9
30%	-7.7	-8.0	-10.1	-7.3	-0.8	1.8	2.9	3.9	1.3	1.0	-0.1	-4.2
40%	-8.2	-8.4	-10.2	-4.7	1.6	2.0	3.0	5.0	0.7	2.5	0.0	-4.5
50%	-8.4	-8.5	-10.1	-2.4	1.9	3.1	3.7	6.6	2.5	1.8	-0.6	-5.0
60%	-9.9	-8.6	-8.0	-0.4	3.6	2.9	4.3	6.2	3.4	1.8	-0.9	-7.5
70%	-15.2	-10.6	-2.7	1.8	2.0	2.4	4.2	5.5	4.3	1.9	-1.5	-14.1
80%	-12.0	-9.5	-1.8	2.1	2.1	2.1	4.6	6.4	6.9	2.8	-1.3	-11.4
90%	-6.4	0.7	1.5	2.1	1.6	1.7	2.5	5.5	7.4	3.6	-0.8	-7.4
Long Term												
Full Simulation Period[a]	-8.1	-7.1	-6.1	-2.8	0.3	1.5	3.2	4.6	3.4	2.3	-0.4	-5.9
Water Year Types[b]												
Wet	-10.2	-8.9	-6.7	0.8	2.7	1.8	3.6	5.7	6.1	3.3	-1.1	-8.5
Above Normal	-7.7	-6.0	-5.1	-1.1	-0.5	2.1	2.6	6.1	3.8	2.8	-0.4	-0.3
Below Normal	-6.1	-3.0	1.1	-6.2	4.9	4.6	6.6	6.5	3.4	2.5	0.1	-11.6
Dry	-8.6	-9.2	-9.2	-6.0	-4.2	-1.1	0.5	1.4	0.3	0.6	-0.2	-4.3
Critical	-6.4	-6.6	-8.8	-7.1	-5.3	-1.7	0.5	0.6	0.3	0.5	-1.0	-4.2

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999) calculated for current and future climate.

Positive differences highlighted in red indicate eastward movement of X2 position

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-8-11. X2, End of Month Position

Existing Condition

Statistic	End of Month Position (KM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	93.0	92.0	90.6	84.8	77.8	75.6	76.5	80.9	83.2	86.4	89.6	91.7
20%	91.6	91.2	89.8	82.9	72.1	72.0	72.5	77.3	81.4	85.4	87.3	89.9
30%	91.3	90.9	88.6	80.0	66.9	64.9	69.0	74.5	81.0	84.6	86.6	89.6
40%	91.1	90.3	87.0	72.6	63.6	63.5	66.3	70.9	79.5	82.2	86.0	89.2
50%	90.7	89.6	85.4	69.0	58.5	60.3	63.6	66.8	76.9	81.2	85.7	89.0
60%	90.3	88.5	79.6	64.4	53.4	57.3	60.7	64.1	74.8	79.9	85.0	88.5
70%	89.3	87.0	70.9	55.1	51.3	53.5	58.6	62.0	71.5	78.6	84.7	88.2
80%	86.0	83.8	64.5	49.7	48.1	49.4	53.6	59.1	66.7	77.1	83.5	85.4
90%	80.4	73.1	53.3	48.2	47.7	48.2	49.6	52.6	59.3	72.9	82.4	81.4
Long Term												
Full Simulation Period[a]	88.5	86.3	77.9	67.6	60.7	60.7	63.4	67.5	74.6	80.4	85.2	87.4
Water Year Types[b]												
Wet (32%)	84.0	82.7	74.6	53.5	50.2	52.0	54.5	57.6	65.0	74.3	82.5	82.5
Above Normal (15%)	88.0	85.0	76.2	61.7	53.9	53.5	58.6	62.6	72.8	78.3	83.8	81.3
Below Normal (17%)	89.3	85.3	75.2	72.4	60.6	62.6	64.1	68.2	76.6	81.7	85.5	89.2
Dry (22%)	91.3	89.0	79.0	77.9	70.1	66.9	69.9	74.5	80.5	84.8	86.9	89.4
Critical (15%)	93.5	92.5	88.5	82.9	76.5	75.1	77.4	82.6	86.0	87.9	89.7	91.9

Alternative 7 (LLT)

Statistic	End of Month Position (KM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	87.7	85.4	82.7	76.2	73.8	74.0	78.0	82.6	84.1	87.8	89.8	91.3
20%	86.5	83.3	80.8	75.5	69.5	70.0	74.8	79.7	82.6	86.4	88.7	90.6
30%	86.0	82.2	78.1	73.0	66.1	66.4	71.8	78.4	81.7	85.2	87.9	90.1
40%	84.7	81.8	76.5	67.8	65.1	65.2	69.4	75.7	80.0	84.0	86.9	89.6
50%	83.6	81.0	75.1	66.6	59.9	62.3	66.5	73.2	78.7	82.6	86.6	88.3
60%	79.7	78.7	71.9	64.1	56.3	60.0	65.0	70.0	76.8	81.2	86.0	81.0
70%	74.1	76.8	67.9	56.0	52.8	55.8	62.2	66.5	75.5	80.5	85.6	74.1
80%	74.0	74.5	63.2	51.7	50.1	51.5	56.9	64.9	72.4	80.0	85.4	74.0
90%	73.7	72.8	55.1	50.3	49.3	50.0	51.8	57.1	66.3	77.5	84.8	74.0
Long Term												
Full Simulation Period[a]	81.1	78.9	71.9	64.7	60.8	62.0	66.3	71.7	77.0	82.6	86.9	83.9
Water Year Types[b]												
Wet (30%)	73.6	74.0	67.9	54.2	52.7	53.9	57.7	62.7	70.1	78.7	85.5	74.0
Above Normal (13%)	79.5	78.8	71.2	60.4	53.2	55.3	60.7	68.5	75.8	79.8	85.3	81.0
Below Normal (15%)	85.7	81.8	76.5	66.1	65.2	66.7	70.4	74.4	79.0	82.8	86.3	82.7
Dry (26%)	84.5	79.2	69.9	71.9	65.8	65.4	70.0	75.9	80.3	85.3	87.8	90.2
Critical (16%)	88.0	85.5	79.6	75.6	71.0	73.2	77.6	82.3	84.2	88.1	90.0	90.0

Alternative 7 (LLT) minus Existing Condition

Statistic	End of Month Position (KM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-5.3	-6.7	-7.9	-8.6	-4.0	-1.7	1.4	1.7	0.9	1.5	0.2	-0.4
20%	-5.1	-8.0	-9.0	-7.4	-2.6	-2.0	2.2	2.4	1.2	1.0	1.4	0.7
30%	-5.3	-8.6	-10.5	-7.1	-0.9	1.5	2.8	3.9	0.7	0.5	1.2	0.5
40%	-6.4	-8.5	-10.5	-4.9	1.5	1.7	3.0	4.8	0.4	1.8	0.9	0.4
50%	-7.1	-8.6	-10.3	-2.4	1.4	2.0	3.0	6.3	1.9	1.4	0.9	-0.7
60%	-10.6	-9.8	-7.7	-0.3	2.9	2.7	4.2	5.9	2.0	1.3	1.0	-7.5
70%	-15.2	-10.3	-3.0	0.9	1.4	2.2	3.6	4.5	3.9	1.9	1.0	-14.1
80%	-12.0	-9.3	-1.3	2.0	2.0	2.0	3.3	5.9	5.8	2.9	2.0	-11.4
90%	-6.7	-0.2	1.7	2.1	1.5	1.8	2.2	4.4	7.1	4.6	2.5	-7.4
Long Term												
Full Simulation Period[a]	-7.3	-7.4	-6.0	-2.9	0.1	1.3	2.8	4.2	2.4	2.2	1.7	-3.5
Water Year Types[b]												
Wet	-10.4	-8.7	-6.7	0.7	2.5	1.9	3.3	5.1	5.1	4.4	3.0	-8.5
Above Normal	-8.5	-6.2	-5.0	-1.3	-0.7	1.8	2.1	5.9	3.0	1.4	1.5	-0.3
Below Normal	-3.6	-3.4	1.3	-6.3	4.6	4.1	6.3	6.3	2.4	1.2	0.8	-6.6
Dry	-6.8	-9.8	-9.1	-5.9	-4.2	-1.4	0.1	1.4	-0.2	0.5	0.9	0.8
Critical	-5.5	-6.9	-8.9	-7.3	-5.5	-1.8	0.2	-0.3	-1.8	0.2	0.3	-1.8

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999) calculated for current and future climate.

Positive differences highlighted in red indicate eastward movement of X2 position

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-8-12. X2, End of Month Position

Existing Condition

Statistic	End of Month Position (KM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	93.0	92.0	90.6	84.8	77.8	75.6	76.5	80.9	83.2	86.4	89.6	91.7
20%	91.6	91.2	89.8	82.9	72.1	72.0	72.5	77.3	81.4	85.4	87.3	89.9
30%	91.3	90.9	88.6	80.0	66.9	64.9	69.0	74.5	81.0	84.6	86.6	89.6
40%	91.1	90.3	87.0	72.6	63.6	63.5	66.3	70.9	79.5	82.2	86.0	89.2
50%	90.7	89.6	85.4	69.0	58.5	60.3	63.6	66.8	76.9	81.2	85.7	89.0
60%	90.3	88.5	79.6	64.4	53.4	57.3	60.7	64.1	74.8	79.9	85.0	88.5
70%	89.3	87.0	70.9	55.1	51.3	53.5	58.6	62.0	71.5	78.6	84.7	88.2
80%	86.0	83.8	64.5	49.7	48.1	49.4	53.6	59.1	66.7	77.1	83.5	85.4
90%	80.4	73.1	53.3	48.2	47.7	48.2	49.6	52.6	59.3	72.9	82.4	81.4
Long Term												
Full Simulation Period[a]	88.5	86.3	77.9	67.6	60.7	60.7	63.4	67.5	74.6	80.4	85.2	87.4
Water Year Types[b]												
Wet (32%)	84.0	82.7	74.6	53.5	50.2	52.0	54.5	57.6	65.0	74.3	82.5	82.5
Above Normal (15%)	88.0	85.0	76.2	61.7	53.9	53.5	58.6	62.6	72.8	78.3	83.8	81.3
Below Normal (17%)	89.3	85.3	75.2	72.4	60.6	62.6	64.1	68.2	76.6	81.7	85.5	89.2
Dry (22%)	91.3	89.0	79.0	77.9	70.1	66.9	69.9	74.5	80.5	84.8	86.9	89.4
Critical (15%)	93.5	92.5	88.5	82.9	76.5	75.1	77.4	82.6	86.0	87.9	89.7	91.9

Alternative 8 (LLT)

Statistic	End of Month Position (KM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	88.5	86.5	82.8	77.1	73.9	71.6	74.8	79.8	83.5	87.5	89.8	91.5
20%	87.6	83.9	81.1	75.3	67.4	66.2	68.8	76.7	82.0	86.1	88.7	91.2
30%	86.7	82.4	78.5	72.6	64.9	64.9	67.0	73.4	80.8	85.5	88.5	90.8
40%	86.1	81.8	76.6	66.6	63.9	63.2	65.4	69.7	78.4	84.5	88.0	90.4
50%	83.2	80.9	75.6	65.3	58.4	60.8	63.9	67.7	76.7	83.4	87.5	89.7
60%	79.4	78.5	71.9	62.0	55.6	58.9	62.5	66.1	75.3	81.5	86.7	81.0
70%	74.1	76.8	68.0	55.4	52.3	55.2	59.2	64.7	73.8	80.4	85.9	74.1
80%	74.0	74.4	62.5	52.1	50.1	51.4	55.4	61.8	70.9	80.0	85.5	74.0
90%	73.9	73.8	54.5	49.8	49.3	50.0	51.3	55.6	65.6	78.0	85.2	74.0
Long Term												
Full Simulation Period[a]	81.7	79.2	72.0	64.2	60.0	60.6	63.4	68.5	75.8	82.7	87.4	84.3
Water Year Types[b]												
Wet (30%)	73.6	74.1	67.8	53.7	52.5	53.7	56.3	60.8	68.8	78.3	85.5	74.0
Above Normal (13%)	79.5	78.7	71.0	59.5	52.3	54.9	58.8	65.4	74.5	80.8	86.0	81.0
Below Normal (15%)	85.8	81.6	76.7	64.7	63.9	64.5	65.2	70.6	78.2	83.6	87.6	83.5
Dry (26%)	85.8	79.9	70.1	71.6	64.4	63.2	66.2	71.5	79.2	85.4	88.4	90.7
Critical (16%)	89.0	86.4	80.2	75.7	70.3	71.1	74.6	79.2	83.0	87.9	90.1	90.7

Alternative 8 (LLT) minus Existing Condition

Statistic	End of Month Position (KM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-4.4	-5.5	-7.9	-7.8	-4.0	-4.0	-1.7	-1.1	**0.4**	**1.1**	**0.3**	-0.2
20%	-4.0	-7.3	-8.7	-7.6	-4.7	-5.7	-3.8	-0.7	**0.5**	**0.7**	**1.4**	**1.3**
30%	-4.6	-8.5	-10.1	-7.4	-2.1	0.0	-1.9	-1.0	-0.2	**0.8**	**1.8**	**1.2**
40%	-5.0	-8.4	-10.4	-6.0	**0.3**	-0.3	-1.0	-1.2	-1.1	**2.3**	**2.0**	**1.2**
50%	-7.5	-8.6	-9.8	-3.7	-0.1	**0.6**	**0.3**	**0.9**	-0.2	**2.2**	**1.8**	**0.8**
60%	-10.9	-10.0	-7.7	-2.4	**2.1**	**1.6**	**1.8**	**2.0**	**0.5**	**1.6**	**1.7**	-7.5
70%	-15.2	-10.2	-2.9	**0.3**	**1.0**	**1.7**	**0.6**	**2.7**	**2.2**	**1.8**	**1.2**	-14.1
80%	-12.0	-9.4	-2.0	**2.4**	**2.0**	**2.0**	**1.8**	**2.8**	**4.3**	**2.9**	**2.1**	-11.4
90%	-6.5	**0.7**	**1.2**	**1.6**	**1.6**	**1.8**	**1.7**	**3.0**	**6.3**	**5.1**	**2.8**	-7.4
Long Term												
Full Simulation Period[a]	-6.8	-7.1	-5.9	-3.4	-0.7	0.0	-0.1	**1.0**	**1.2**	**2.3**	**2.1**	-3.2
Water Year Types[b]												
Wet	-10.4	-8.7	-6.8	**0.2**	**2.3**	**1.6**	**1.9**	**3.2**	**3.8**	**4.0**	**3.0**	-8.5
Above Normal	-8.5	-6.2	-5.3	-2.2	-1.6	**1.4**	**0.2**	**2.7**	**1.7**	**2.5**	**2.2**	-0.3
Below Normal	-3.5	-3.7	**1.5**	-7.7	**3.3**	**2.0**	**1.1**	**2.4**	**1.6**	**1.9**	**2.1**	-5.8
Dry	-5.6	-9.1	-8.9	-6.3	-5.7	-3.6	-3.7	-3.0	-1.4	**0.5**	**1.5**	**1.3**
Critical	-4.5	-6.1	-8.3	-7.2	-6.2	-4.0	-2.8	-3.5	-3.0	-0.1	**0.4**	-1.2

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999) calculated for current and future climate.

Positive differences highlighted in red indicate eastward movement of X2 position

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-8-13. X2, End of Month Position

Existing Condition

Statistic	End of Month Position (KM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	93.0	92.0	90.6	84.8	77.8	75.6	76.5	80.9	83.2	86.4	89.6	91.7
20%	91.6	91.2	89.8	82.9	72.1	72.0	72.5	77.3	81.4	85.4	87.3	89.9
30%	91.3	90.9	88.6	80.0	66.9	64.9	69.0	74.5	81.0	84.6	86.6	89.6
40%	91.1	90.3	87.0	72.6	63.6	63.5	66.3	70.9	79.5	82.2	86.0	89.2
50%	90.7	89.6	85.4	69.0	58.5	60.3	63.6	66.8	76.9	81.2	85.7	89.0
60%	90.3	88.5	79.6	64.4	53.4	57.3	60.7	64.1	74.8	79.9	85.0	88.5
70%	89.3	87.0	70.9	55.1	51.3	53.5	58.6	62.0	71.5	78.6	84.7	88.2
80%	86.0	83.8	64.5	49.7	48.1	49.4	53.6	59.1	66.7	77.1	83.5	85.4
90%	80.4	73.1	53.3	48.2	47.7	48.2	49.6	52.6	59.3	72.9	82.4	81.4
Long Term												
Full Simulation Period[a]	88.5	86.3	77.9	67.6	60.7	60.7	63.4	67.5	74.6	80.4	85.2	87.4
Water Year Types[b]												
Wet (32%)	84.0	82.7	74.6	53.5	50.2	52.0	54.5	57.6	65.0	74.3	82.5	82.5
Above Normal (15%)	88.0	85.0	76.2	61.7	53.9	53.5	58.6	62.6	72.8	78.3	83.8	81.3
Below Normal (17%)	89.3	85.3	75.2	72.4	60.6	62.6	64.1	68.2	76.6	81.7	85.5	89.2
Dry (22%)	91.3	89.0	79.0	77.9	70.1	66.9	69.9	74.5	80.5	84.8	86.9	89.4
Critical (15%)	93.5	92.5	88.5	82.9	76.5	75.1	77.4	82.6	86.0	87.9	89.7	91.9

Alternative 9 (LLT)

Statistic	End of Month Position (KM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	94.1	94.5	92.5	86.4	78.7	78.2	78.1	83.2	85.8	89.2	89.9	92.2
20%	93.0	92.4	92.0	83.4	74.1	72.6	75.1	76.5	81.6	87.3	89.2	91.9
30%	92.8	92.2	88.8	81.3	68.5	66.6	72.7	75.7	80.8	86.7	88.9	91.7
40%	92.3	91.8	85.3	73.6	65.5	65.6	70.6	75.1	80.3	85.2	88.5	91.5
50%	88.6	83.4	83.6	71.8	59.6	61.6	68.2	73.8	79.0	84.4	87.8	90.9
60%	81.0	81.0	81.8	65.9	56.2	58.2	64.7	70.9	77.2	81.5	86.8	81.0
70%	74.1	77.0	73.7	56.6	52.5	54.6	61.0	67.2	75.8	80.0	86.3	74.1
80%	74.0	75.7	64.2	52.2	49.8	51.2	55.8	63.2	73.5	78.5	85.8	74.0
90%	74.0	74.0	55.3	50.2	49.2	49.8	51.5	56.5	66.8	77.2	85.3	74.0
Long Term												
Full Simulation Period[a]	84.9	83.9	79.0	69.1	62.4	62.4	66.5	71.0	77.4	83.1	87.6	84.7
Water Year Types[b]												
Wet (30%)	73.9	74.1	72.7	55.0	52.1	53.4	57.7	62.4	69.9	77.4	85.5	74.0
Above Normal (13%)	80.8	79.4	76.9	62.8	53.4	54.5	60.5	68.8	76.1	80.7	86.3	81.0
Below Normal (15%)	91.3	90.5	86.5	70.3	66.5	67.5	69.9	72.4	79.1	84.6	88.3	84.1
Dry (26%)	91.2	88.6	76.7	79.6	68.6	66.2	70.4	74.2	80.2	86.5	88.8	91.1
Critical (16%)	94.2	93.7	90.2	83.6	76.0	75.5	78.8	83.2	86.7	89.4	89.9	92.1

Alternative 9 (LLT) minus Existing Condition

Statistic	End of Month Position (KM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	**1.2**	**2.4**	**1.8**	**1.6**	**0.8**	**2.6**	**1.6**	**2.3**	**2.7**	**2.8**	**0.3**	**0.5**
20%	**1.4**	**1.2**	**2.2**	**0.5**	**2.0**	**0.6**	**2.6**	-0.8	**0.2**	**1.9**	**1.9**	**2.0**
30%	**1.4**	**1.3**	**0.2**	**1.3**	**1.6**	**1.7**	**3.8**	**1.2**	-0.2	**2.0**	**2.2**	**2.1**
40%	**1.2**	**1.5**	-1.7	**0.9**	**1.9**	**2.1**	**4.3**	**4.2**	**0.8**	**3.0**	**2.5**	**2.3**
50%	-2.0	-6.2	-1.8	**2.8**	**1.1**	**1.4**	**4.6**	**7.0**	**2.1**	**3.2**	**2.1**	**1.9**
60%	-9.3	-7.5	**2.2**	**1.5**	**2.8**	**0.8**	**4.0**	**6.8**	**2.4**	**1.7**	**1.8**	-7.5
70%	-15.2	-10.0	**2.8**	**1.5**	**1.2**	**1.0**	**2.4**	**5.2**	**4.3**	**1.4**	**1.7**	-14.1
80%	-12.0	-8.1	-0.3	**2.5**	**1.7**	**1.7**	**2.2**	**4.2**	**6.8**	**1.4**	**2.3**	-11.4
90%	-6.4	**0.9**	**2.0**	**2.0**	**1.5**	**1.7**	**1.9**	**3.9**	**7.5**	**4.3**	**3.0**	-7.4
Long Term												
Full Simulation Period[a]	-3.6	-2.4	**1.0**	**1.6**	**1.7**	**1.7**	**3.0**	**3.5**	**2.8**	**2.7**	**2.3**	-2.7
Water Year Types[b]												
Wet	-10.0	-8.6	-1.9	**1.5**	**1.9**	**1.4**	**3.2**	**4.8**	**4.9**	**3.2**	**2.9**	-8.5
Above Normal	-7.2	-5.5	**0.7**	**1.1**	-0.5	**1.1**	**1.9**	**6.1**	**3.4**	**2.4**	**2.5**	-0.3
Below Normal	**2.0**	**5.2**	**11.3**	-2.1	**5.9**	**5.0**	**5.8**	**4.2**	**2.5**	**2.9**	**2.7**	-5.1
Dry	-0.1	-0.4	-2.3	**1.8**	-1.4	-0.7	**0.5**	-0.3	-0.3	**1.7**	**2.0**	**1.7**
Critical	**0.7**	**1.2**	**1.7**	**0.7**	-0.5	**0.5**	**1.4**	**0.6**	**0.7**	**1.4**	**0.2**	**0.2**

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999) calculated for current and future climate.

Positive differences highlighted in red indicate eastward movement of X2 position

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-8-14. X2, End of Month Position

No Action Alternative (LLT)

Statistic	End of Month Position (KM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	92.1	92.1	90.4	85.3	80.4	78.3	79.0	82.9	84.6	87.6	89.8	92.4
20%	91.1	90.3	88.4	82.7	74.7	73.3	75.5	79.2	82.2	85.1	87.8	91.8
30%	89.5	89.6	86.5	80.0	69.8	67.9	72.4	78.5	81.4	84.3	86.9	90.8
40%	88.9	88.6	84.1	74.9	65.8	66.4	69.2	75.0	80.5	83.1	86.1	90.2
50%	87.7	81.8	82.7	72.2	60.7	63.6	67.0	72.1	79.0	80.5	85.6	89.2
60%	81.0	80.9	81.0	66.4	58.4	60.4	64.3	70.0	77.5	78.2	84.9	81.0
70%	74.1	76.5	74.3	58.8	54.7	56.7	60.6	66.5	74.7	77.2	84.3	74.1
80%	74.0	75.1	64.7	54.0	51.9	52.9	57.1	63.1	72.7	76.6	83.8	74.0
90%	74.0	74.0	56.9	52.1	50.6	51.2	52.8	57.2	66.5	75.5	83.3	74.0
Long Term												
Full Simulation Period[a]	83.7	82.7	78.2	69.4	63.5	63.7	66.5	71.4	77.6	80.8	85.8	84.4
Water Year Types[b]												
Wet (30%)	74.0	73.9	73.0	56.7	53.8	55.3	57.9	62.2	70.5	76.1	84.2	74.0
Above Normal (13%)	81.0	79.4	77.0	63.6	55.3	56.0	60.3	67.4	75.8	76.6	83.7	81.0
Below Normal (15%)	88.9	88.6	84.8	71.8	67.6	68.6	70.3	73.8	79.4	80.7	84.8	82.6
Dry (26%)	89.0	86.6	76.1	78.9	69.7	67.4	70.6	75.7	80.6	84.4	87.0	90.6
Critical (16%)	92.0	91.6	87.1	81.1	75.6	75.7	78.3	83.3	86.3	87.8	89.8	92.4

Alternative 1A,1B,1C (LLT)

Statistic	End of Month Position (KM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	90.4	90.5	90.1	82.3	79.7	79.2	80.1	84.0	85.7	88.8	90.9	91.9
20%	89.1	89.6	89.4	81.1	75.4	74.3	76.6	80.4	83.5	86.8	89.6	91.6
30%	88.5	88.0	88.7	78.5	71.8	69.8	74.7	79.7	82.1	85.8	88.8	91.2
40%	87.0	87.1	87.3	76.4	65.8	67.2	71.7	78.8	81.1	84.4	88.0	90.8
50%	86.0	85.7	85.0	72.7	61.1	64.8	69.5	77.8	80.4	83.4	87.1	90.6
60%	84.5	85.0	82.4	69.3	57.9	60.9	67.3	73.1	79.7	82.0	86.2	90.3
70%	83.9	83.9	78.0	57.8	53.4	55.7	63.0	69.9	78.1	80.8	85.9	90.0
80%	82.5	83.3	68.2	52.8	50.1	51.5	57.6	66.1	74.6	80.5	85.6	89.6
90%	80.7	80.5	57.9	50.5	49.4	49.8	52.0	58.1	67.2	78.7	85.2	88.9
Long Term												
Full Simulation Period[a]	85.7	85.1	79.7	68.9	63.2	63.8	68.0	73.7	78.9	83.2	87.5	90.3
Water Year Types[b]												
Wet (30%)	86.0	84.1	75.9	55.8	52.8	53.9	58.8	64.7	71.8	79.1	85.6	89.2
Above Normal (13%)	84.1	83.2	80.1	62.9	53.8	55.7	61.7	71.5	78.2	80.7	85.8	90.4
Below Normal (15%)	83.3	84.3	86.0	72.9	67.9	69.0	72.6	75.7	80.4	83.3	87.0	83.3
Dry (26%)	84.6	84.3	76.7	77.7	69.7	68.9	72.7	77.7	81.7	85.9	88.9	91.2
Critical (16%)	90.2	90.4	86.1	81.6	76.0	76.4	79.3	84.6	87.5	89.1	91.0	90.1

Alternative 1A,1B,1C (LLT) minus No Action Alternative (LLT)

Statistic	End of Month Position (KM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-1.7	-1.6	-0.3	-3.0	-0.7	**0.8**	**1.2**	**1.2**	**1.2**	**1.2**	**1.1**	-0.4
20%	-1.9	-0.7	**1.0**	-1.5	**0.7**	**0.9**	**1.1**	**1.2**	**1.3**	**1.7**	**1.7**	-0.2
30%	-1.0	-1.7	**2.2**	-1.5	**1.9**	**1.9**	**2.3**	**1.1**	**0.6**	**1.5**	**1.9**	**0.4**
40%	-1.9	-1.5	**3.2**	**1.5**	**0.0**	**0.8**	**2.5**	**3.8**	**0.6**	**1.2**	**1.9**	**0.6**
50%	-1.7	**3.9**	**2.3**	**0.5**	**0.4**	**1.3**	**2.6**	**5.8**	**1.4**	**2.9**	**1.5**	**1.4**
60%	**3.5**	**4.1**	**1.3**	**2.8**	-0.6	**0.5**	**3.1**	**3.1**	**2.2**	**3.8**	**1.3**	**9.3**
70%	**9.8**	**7.4**	**3.7**	-1.0	-1.3	-0.9	**2.4**	**3.4**	**3.4**	**3.6**	**1.6**	**15.9**
80%	**8.5**	**8.2**	**3.4**	-1.2	-1.9	-1.4	**0.5**	**3.0**	**1.9**	**3.9**	**1.8**	**15.6**
90%	**6.8**	**6.5**	**1.0**	-1.6	-1.2	-1.4	-0.8	**0.9**	**0.7**	**3.3**	**1.9**	**15.0**
Long Term												
Full Simulation Period[a]	**1.9**	**2.3**	**1.5**	-0.5	-0.4	**0.1**	**1.5**	**2.3**	**1.3**	**2.4**	**1.7**	**5.9**
Water Year Types[b]												
Wet	**12.0**	**10.2**	**2.9**	-0.9	-1.0	-1.4	**0.9**	**2.4**	**1.3**	**2.9**	**1.4**	**15.2**
Above Normal	**3.1**	**3.8**	**3.1**	-0.7	-1.5	-0.3	**1.5**	**4.1**	**2.4**	**4.1**	**2.1**	**9.4**
Below Normal	-5.6	-4.3	**1.2**	**1.0**	**0.3**	**0.4**	**2.3**	**1.9**	**1.0**	**2.6**	**2.2**	**0.7**
Dry	-4.4	-2.3	**0.6**	-1.2	0.0	**1.5**	**2.1**	**2.0**	**1.1**	**1.5**	**1.9**	**0.6**
Critical	-1.9	-1.2	-1.0	**0.5**	**0.5**	**0.7**	**1.0**	**1.3**	**1.2**	**1.3**	**1.2**	-2.3

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999) calculated for current and future climate.

Positive differences highlighted in red indicate eastward movement of X2 position

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-8-15. X2, End of Month Position

No Action Alternative (LLT)

Statistic	End of Month Position (KM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	92.1	92.1	90.4	85.3	80.4	78.3	79.0	82.9	84.6	87.6	89.8	92.4
20%	91.1	90.3	88.4	82.7	74.7	73.3	75.5	79.2	82.2	85.1	87.8	91.8
30%	89.5	89.6	86.5	80.0	69.8	67.9	72.4	78.5	81.4	84.3	86.9	90.8
40%	88.9	88.6	84.1	74.9	65.8	66.4	69.2	75.0	80.5	83.1	86.1	90.2
50%	87.7	81.8	82.7	72.2	60.7	63.6	67.0	72.1	79.0	80.5	85.6	89.2
60%	81.0	80.9	81.0	66.4	58.4	60.4	64.3	70.0	77.5	78.2	84.9	81.0
70%	74.1	76.5	74.3	58.8	54.7	56.7	60.6	66.5	74.7	77.2	84.3	74.1
80%	74.0	75.1	64.7	54.0	51.9	52.9	57.1	63.1	72.7	76.6	83.8	74.0
90%	74.0	74.0	56.9	52.1	50.6	51.2	52.8	57.2	66.5	75.5	83.3	74.0
Long Term												
Full Simulation Period[a]	83.7	82.7	78.2	69.4	63.5	63.7	66.5	71.4	77.6	80.8	85.8	84.4
Water Year Types[b]												
Wet (30%)	74.0	73.9	73.0	56.7	53.8	55.3	57.9	62.2	70.5	76.1	84.2	74.0
Above Normal (13%)	81.0	79.4	77.0	63.6	55.3	56.0	60.3	67.4	75.8	76.6	83.7	81.0
Below Normal (15%)	88.9	88.6	84.8	71.8	67.6	68.6	70.3	73.8	79.4	80.7	84.8	82.6
Dry (26%)	89.0	86.6	76.1	78.9	69.7	67.4	70.6	75.7	80.6	84.4	87.0	90.6
Critical (16%)	92.0	91.6	87.1	81.1	75.6	75.7	78.3	83.3	86.3	87.8	89.8	92.4

Alternative 2A,2B,2C (LLT)

Statistic	End of Month Position (KM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	88.0	91.0	90.0	83.3	79.4	79.0	80.1	84.0	85.7	88.9	90.8	92.0
20%	86.5	87.8	88.7	81.6	74.7	74.0	76.4	79.8	83.2	86.8	89.3	91.4
30%	85.0	86.2	85.1	79.0	70.6	69.7	74.6	78.9	81.9	85.7	88.4	90.4
40%	84.3	85.2	84.1	75.4	66.6	67.6	71.6	76.9	80.6	83.8	87.4	89.8
50%	83.2	81.1	82.2	72.7	62.2	64.7	68.5	74.4	80.0	82.8	86.6	88.2
60%	80.6	81.0	80.4	68.5	57.8	60.8	65.8	71.1	78.7	81.4	86.0	81.0
70%	74.1	77.4	74.7	58.0	53.7	55.8	63.2	68.6	76.7	80.8	85.8	74.1
80%	74.0	76.1	65.6	53.5	50.2	51.5	57.9	65.8	74.3	80.1	85.6	74.0
90%	74.0	74.0	57.3	50.6	49.5	49.9	52.1	58.2	67.2	78.6	85.1	74.0
Long Term												
Full Simulation Period[a]	81.3	81.7	77.9	68.8	63.2	64.0	67.7	72.7	78.5	83.0	87.3	84.1
Water Year Types[b]												
Wet (30%)	73.9	74.5	72.7	55.9	52.9	54.2	58.5	63.9	71.6	79.0	85.5	74.0
Above Normal (13%)	80.4	79.5	76.4	63.9	54.2	55.6	61.4	69.3	76.9	80.0	85.4	81.0
Below Normal (15%)	84.9	86.2	85.3	70.4	67.6	70.3	72.7	74.8	80.1	82.9	86.6	82.8
Dry (26%)	84.4	83.6	75.7	78.6	70.1	68.9	72.2	76.4	81.2	85.7	88.6	91.1
Critical (16%)	88.7	90.8	86.3	80.7	75.4	76.1	79.1	84.4	87.5	89.0	90.9	89.6

Alternative 2A,2B,2C (LLT) minus No Action Alternative (LLT)

Statistic	End of Month Position (KM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-4.0	-1.1	-0.4	-2.0	-1.0	**0.7**	**1.1**	**1.1**	**1.2**	**1.4**	**1.0**	-0.4
20%	-4.5	-2.5	**0.4**	-1.0	**0.0**	**0.7**	**0.8**	**0.7**	**1.1**	**1.7**	**1.4**	-0.4
30%	-4.5	-3.5	-1.4	-1.0	**0.8**	**1.8**	**2.2**	**0.4**	**0.5**	**1.4**	**1.6**	-0.4
40%	-4.7	-3.4	0.0	**0.4**	**0.8**	**1.2**	**2.3**	**1.9**	**0.1**	**0.7**	**1.4**	-0.4
50%	-4.5	-0.7	-0.5	**0.5**	**1.4**	**1.1**	**1.6**	**2.3**	**1.0**	**2.3**	**1.0**	-1.0
60%	-0.4	**0.0**	-0.6	**2.0**	-0.6	**0.5**	**1.5**	**1.2**	**1.2**	**3.2**	**1.1**	0.0
70%	**0.0**	**0.9**	**0.4**	-0.8	-1.0	-0.9	**2.5**	**2.1**	**2.1**	**3.6**	**1.5**	0.0
80%	**0.0**	**1.0**	**0.9**	-0.5	-1.7	-1.3	**0.8**	**2.7**	**1.7**	**3.5**	**1.7**	**0.0**
90%	0.0	**0.1**	**0.4**	-1.5	-1.1	-1.4	-0.7	**1.0**	**0.7**	**3.1**	**1.8**	0.0
Long Term												
Full Simulation Period[a]	-2.4	-1.0	-0.3	-0.6	-0.4	**0.3**	**1.2**	**1.3**	**0.9**	**2.2**	**1.5**	-0.3
Water Year Types[b]												
Wet	-0.1	**0.6**	-0.2	-0.8	-0.9	-1.1	**0.6**	**1.6**	**1.0**	**2.9**	**1.3**	0.0
Above Normal	-0.6	**0.1**	-0.6	**0.2**	-1.1	-0.4	**1.1**	**1.9**	**1.2**	**3.4**	**1.7**	0.0
Below Normal	-4.0	-2.5	**0.6**	-1.5	**0.1**	**1.7**	**2.4**	**1.0**	**0.7**	**2.2**	**1.8**	**0.1**
Dry	-4.7	-2.9	-0.4	-0.3	**0.3**	**1.5**	**1.6**	**0.7**	**0.6**	**1.3**	**1.6**	**0.6**
Critical	-3.3	-0.8	-0.9	-0.4	-0.2	**0.4**	**0.8**	**1.2**	**1.2**	**1.2**	**1.1**	-2.8

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999) calculated for current and future climate.

Positive differences highlighted in red indicate eastward movement of X2 position

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-8-16. X2, End of Month Position

No Action Alternative (LLT)

	End of Month Position (KM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	92.1	92.1	90.4	85.3	80.4	78.3	79.0	82.9	84.6	87.6	89.8	92.4
20%	91.1	90.3	88.4	82.7	74.7	73.3	75.5	79.2	82.2	85.1	87.8	91.8
30%	89.5	89.6	86.5	80.0	69.8	67.9	72.4	78.5	81.4	84.3	86.9	90.8
40%	88.9	88.6	84.1	74.9	65.8	66.4	69.2	75.0	80.5	83.1	86.1	90.2
50%	87.7	81.8	82.7	72.2	60.7	63.6	67.0	72.1	79.0	80.5	85.6	89.2
60%	81.0	80.9	81.0	66.4	58.4	60.4	64.3	70.0	77.5	78.2	84.9	81.0
70%	74.1	76.5	74.3	58.8	54.7	56.7	60.6	66.5	74.7	77.2	84.3	74.1
80%	74.0	75.1	64.7	54.0	51.9	52.9	57.1	63.1	72.7	76.6	83.8	74.0
90%	74.0	74.0	56.9	52.1	50.6	51.2	52.8	57.2	66.5	75.5	83.3	74.0
Long Term												
Full Simulation Period[a]	83.7	82.7	78.2	69.4	63.5	63.7	66.5	71.4	77.6	80.8	85.8	84.4
Water Year Types[b]												
Wet (30%)	74.0	73.9	73.0	56.7	53.8	55.3	57.9	62.2	70.5	76.1	84.2	74.0
Above Normal (13%)	81.0	79.4	77.0	63.6	55.3	56.0	60.3	67.4	75.8	76.6	83.7	81.0
Below Normal (15%)	88.9	88.6	84.8	71.8	67.6	68.6	70.3	73.8	79.4	80.7	84.8	82.6
Dry (26%)	89.0	86.6	76.1	78.9	69.7	67.4	70.6	75.7	80.6	84.4	87.0	90.6
Critical (16%)	92.0	91.6	87.1	81.1	75.6	75.7	78.3	83.3	86.3	87.8	89.8	92.4

Alternative 3 (LLT)

	End of Month Position (KM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	90.5	90.4	90.4	82.9	78.8	78.7	80.1	84.0	85.7	88.6	90.8	92.2
20%	89.4	89.3	89.3	81.6	74.6	73.8	77.5	80.4	83.3	86.8	89.7	91.6
30%	88.0	88.6	88.5	78.6	70.9	69.4	74.5	79.7	82.3	85.9	88.8	91.2
40%	87.1	87.1	87.3	76.1	66.7	66.9	72.0	79.0	81.2	84.3	88.0	90.9
50%	85.3	85.8	84.8	71.8	61.3	64.9	69.5	77.3	80.4	83.2	86.9	90.5
60%	84.5	85.2	82.3	68.0	57.1	60.6	67.4	73.1	79.7	82.0	86.2	90.2
70%	83.6	84.3	77.5	57.6	53.6	55.6	63.3	69.4	78.2	80.9	85.9	89.9
80%	82.7	83.0	67.4	52.5	50.0	51.5	57.5	66.1	74.6	80.2	85.4	89.5
90%	80.6	80.4	58.0	50.4	49.3	49.9	52.0	58.1	67.3	78.8	85.2	88.6
Long Term												
Full Simulation Period[a]	85.6	85.1	79.5	68.7	62.9	63.6	68.1	73.7	78.9	83.1	87.5	90.2
Water Year Types[b]												
Wet (30%)	85.7	84.0	75.8	55.5	52.7	53.9	58.8	64.5	71.7	79.0	85.5	89.2
Above Normal (13%)	84.5	83.5	79.8	62.8	53.8	55.6	61.8	71.4	78.1	80.4	85.5	90.3
Below Normal (15%)	83.5	85.1	85.0	72.2	67.1	68.5	72.6	75.6	80.4	83.1	86.8	83.0
Dry (26%)	84.4	84.0	76.4	77.6	69.5	68.5	72.9	77.8	81.7	85.9	88.9	91.3
Critical (16%)	90.2	90.2	86.3	81.3	75.6	76.3	79.2	84.6	87.4	89.0	90.9	90.0

Alternative 3 (LLT) minus No Action Alternative (LLT)

	End of Month Position (KM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-1.6	-1.7	0.0	-2.4	-1.6	**0.4**	**1.2**	**1.2**	**1.2**	**1.0**	**1.0**	-0.1
20%	-1.7	-1.1	**0.9**	-1.1	-0.1	**0.5**	**1.9**	**1.2**	**1.1**	**1.7**	**1.9**	-0.2
30%	-1.5	-1.0	**2.0**	-1.4	**1.0**	**1.5**	**2.2**	**1.2**	**0.9**	**1.6**	**2.0**	**0.4**
40%	-1.8	-1.4	**3.2**	**1.2**	**1.0**	**0.5**	**2.8**	**3.9**	**0.7**	**1.1**	**1.9**	**0.7**
50%	-2.4	**4.0**	**2.1**	-0.4	**0.6**	**1.3**	**2.5**	**5.2**	**1.4**	**2.7**	**1.3**	**1.4**
60%	**3.5**	**4.3**	**1.2**	**1.6**	-1.4	**0.2**	**3.1**	**3.2**	**2.2**	**3.8**	**1.3**	**9.2**
70%	**9.5**	**7.8**	**3.2**	-1.3	-1.1	-1.0	**2.7**	**2.9**	**3.5**	**3.7**	**1.6**	**15.8**
80%	**8.7**	**7.9**	**2.6**	-1.5	-1.9	-1.4	**0.5**	**3.0**	**1.9**	**3.7**	**1.6**	**15.5**
90%	**6.7**	**6.4**	**1.1**	-1.7	-1.3	-1.4	-0.8	**0.9**	**0.8**	**3.3**	**1.9**	**14.6**
Long Term												
Full Simulation Period[a]	**1.9**	**2.3**	**1.3**	-0.7	-0.6	-0.1	**1.6**	**2.2**	**1.3**	**2.3**	**1.6**	**5.8**
Water Year Types[b]												
Wet	**11.8**	**10.1**	**2.9**	-1.2	-1.0	-1.4	**0.9**	**2.3**	**1.2**	**2.9**	**1.4**	**15.2**
Above Normal	**3.5**	**4.1**	**2.9**	-0.9	-1.5	-0.4	**1.5**	**4.0**	**2.4**	**3.7**	**1.8**	**9.3**
Below Normal	-5.4	-3.5	**0.3**	**0.3**	-0.5	0.0	**2.3**	**1.8**	**1.0**	**2.4**	**2.0**	**0.4**
Dry	-4.7	-2.6	**0.4**	-1.3	-0.3	**1.1**	**2.3**	**2.1**	**1.1**	**1.5**	**1.9**	**0.7**
Critical	-1.9	-1.5	-0.9	**0.1**	**0.1**	**0.6**	**0.9**	**1.4**	**1.1**	**1.2**	**1.2**	-2.4

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999) calculated for current and future climate.

Positive differences highlighted in red indicate eastward movement of X2 position

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-8-17. X2, End of Month Position

No Action Alternative (LLT)

Statistic	End of Month Position (KM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	92.1	92.1	90.4	85.3	80.4	78.3	79.0	82.9	84.6	87.6	89.8	92.4
20%	91.1	90.3	88.4	82.7	74.7	73.3	75.5	79.2	82.2	85.1	87.8	91.8
30%	89.5	89.6	86.5	80.0	69.8	67.9	72.4	78.5	81.4	84.3	86.9	90.8
40%	88.9	88.6	84.1	74.9	65.8	66.4	69.2	75.0	80.5	83.1	86.1	90.2
50%	87.7	81.8	82.7	72.2	60.7	63.6	67.0	72.1	79.0	80.5	85.6	89.2
60%	81.0	80.9	81.0	66.4	58.4	60.4	64.3	70.0	77.5	78.2	84.9	81.0
70%	74.1	76.5	74.3	58.8	54.7	56.7	60.6	66.5	74.7	77.2	84.3	74.1
80%	74.0	75.1	64.7	54.0	51.9	52.9	57.1	63.1	72.7	76.6	83.8	74.0
90%	74.0	74.0	56.9	52.1	50.6	51.2	52.8	57.2	66.5	75.5	83.3	74.0
Long Term												
Full Simulation Period[a]	83.7	82.7	78.2	69.4	63.5	63.7	66.5	71.4	77.6	80.8	85.8	84.4
Water Year Types[b]												
Wet (30%)	74.0	73.9	73.0	56.7	53.8	55.3	57.9	62.2	70.5	76.1	84.2	74.0
Above Normal (13%)	81.0	79.4	77.0	63.6	55.3	56.0	60.3	67.4	75.8	76.6	83.7	81.0
Below Normal (15%)	88.9	88.6	84.8	71.8	67.6	68.6	70.3	73.8	79.4	80.7	84.8	82.6
Dry (26%)	89.0	86.6	76.1	78.9	69.7	67.4	70.6	75.7	80.6	84.4	87.0	90.6
Critical (16%)	92.0	91.6	87.1	81.1	75.6	75.7	78.3	83.3	86.3	87.8	89.8	92.4

Alternative 4 H1 (LLT)

Statistic	End of Month Position (KM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	88.8	90.4	90.2	83.4	78.7	79.1	80.3	83.8	85.7	89.0	90.7	92.0
20%	87.6	88.6	89.6	81.5	74.3	73.9	76.6	80.1	83.3	86.7	89.2	91.2
30%	87.2	87.9	88.3	78.4	70.4	69.0	74.3	79.0	82.1	85.9	88.5	90.9
40%	86.9	87.5	86.4	74.6	66.1	67.5	71.1	76.8	80.6	84.1	87.6	90.5
50%	86.3	87.0	84.6	72.0	61.8	64.6	68.3	73.9	80.0	82.8	86.3	90.3
60%	85.8	86.6	82.2	68.2	56.5	59.9	65.3	71.0	78.6	81.1	85.9	90.0
70%	85.1	85.6	77.5	57.7	53.3	55.8	62.9	67.6	76.6	80.7	85.6	89.7
80%	84.0	84.9	67.2	52.2	50.1	51.3	57.3	65.3	74.0	79.7	85.3	89.2
90%	83.1	78.3	57.1	50.3	49.4	49.9	51.9	57.5	66.4	77.6	85.0	88.1
Long Term												
Full Simulation Period[a]	85.9	85.4	79.2	68.5	62.8	63.6	67.5	72.5	78.4	82.9	87.2	89.9
Water Year Types[b]												
Wet (30%)	85.9	84.1	76.2	55.3	52.6	53.8	58.1	63.4	71.2	78.8	85.4	89.1
Above Normal (13%)	85.9	84.7	79.1	62.9	53.4	55.1	61.1	69.3	76.9	79.6	85.1	90.1
Below Normal (15%)	85.7	86.5	85.0	69.8	66.7	69.5	72.1	74.7	79.9	82.9	86.5	82.7
Dry (26%)	84.2	83.4	75.8	78.4	69.6	68.5	72.1	76.4	81.1	85.6	88.5	90.8
Critical (16%)	88.9	90.7	85.7	81.1	75.7	76.1	79.1	84.3	87.4	89.2	90.9	89.8

Alternative 4 H1 (LLT) minus No Action Alternative (LLT)

Statistic	End of Month Position (KM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-3.3	-1.7	-0.2	-1.9	-1.7	**0.8**	**1.3**	**0.9**	**1.1**	**1.5**	**1.0**	-0.4
20%	-3.4	-1.8	**1.3**	-1.2	-0.4	**0.6**	**1.1**	**0.9**	**1.1**	**1.6**	**1.3**	-0.6
30%	-2.3	-1.7	**1.8**	-1.6	**0.6**	**1.1**	**2.0**	**0.4**	**0.7**	**1.6**	**1.6**	**0.1**
40%	-2.0	-1.0	**2.3**	-0.3	**0.3**	**1.1**	**1.9**	**1.7**	**0.0**	**0.9**	**1.5**	**0.3**
50%	-1.4	**5.2**	**1.9**	-0.2	**1.1**	**1.0**	**1.4**	**1.8**	**1.0**	**2.3**	**0.7**	**1.1**
60%	**4.7**	**5.6**	**1.1**	**1.8**	-1.9	-0.5	**1.1**	**1.0**	**1.1**	**2.9**	**1.0**	**9.0**
70%	**11.0**	**9.1**	**3.2**	-1.1	-1.4	-0.9	**2.2**	**1.1**	**1.9**	**3.5**	**1.3**	**15.6**
80%	**10.0**	**9.7**	**2.5**	-1.8	-1.8	-1.6	**0.3**	**2.2**	**1.3**	**3.1**	**1.5**	**15.2**
90%	**9.2**	**4.3**	**0.2**	-1.9	-1.2	-1.4	-0.9	**0.4**	-0.1	**2.2**	**1.7**	**14.1**
Long Term												
Full Simulation Period[a]	**2.2**	**2.6**	**1.0**	-0.9	-0.7	-0.1	**1.0**	**1.1**	**0.8**	**2.1**	**1.4**	**5.6**
Water Year Types[b]												
Wet	**11.9**	**10.2**	**3.3**	-1.3	-1.1	-1.5	**0.3**	**1.1**	**0.7**	**2.7**	**1.3**	**15.1**
Above Normal	**4.9**	**5.3**	**2.2**	-0.7	-1.9	-0.9	**0.8**	**1.9**	**1.2**	**3.0**	**1.4**	**9.1**
Below Normal	-3.3	-2.2	**0.2**	-2.1	-0.9	**1.0**	**1.8**	**0.9**	**0.5**	**2.2**	**1.7**	**0.1**
Dry	-4.8	-3.1	-0.2	-0.5	-0.1	**1.1**	**1.5**	**0.7**	**0.5**	**1.2**	**1.5**	**0.2**
Critical	-3.1	-0.9	-1.5	-0.1	**0.2**	**0.3**	**0.8**	**1.0**	**1.1**	**1.4**	**1.1**	-2.6

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999) calculated for current and future climate.

Positive differences highlighted in red indicate eastward movement of X2 position

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-8-18. X2, End of Month Position

No Action Alternative (LLT)

Statistic	End of Month Position (KM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	92.1	92.1	90.4	85.3	80.4	78.3	79.0	82.9	84.6	87.6	89.8	92.4
20%	91.1	90.3	88.4	82.7	74.7	73.3	75.5	79.2	82.2	85.1	87.8	91.8
30%	89.5	89.6	86.5	80.0	69.8	67.9	72.4	78.5	81.4	84.3	86.9	90.8
40%	88.9	88.6	84.1	74.9	65.8	66.4	69.2	75.0	80.5	83.1	86.1	90.2
50%	87.7	81.8	82.7	72.2	60.7	63.6	67.0	72.1	79.0	80.5	85.6	89.2
60%	81.0	80.9	81.0	66.4	58.4	60.4	64.3	70.0	77.5	78.2	84.9	81.0
70%	74.1	76.5	74.3	58.8	54.7	56.7	60.6	66.5	74.7	77.2	84.3	74.1
80%	74.0	75.1	64.7	54.0	51.9	52.9	57.1	63.1	72.7	76.6	83.8	74.0
90%	74.0	74.0	56.9	52.1	50.6	51.2	52.8	57.2	66.5	75.5	83.3	74.0
Long Term												
Full Simulation Period[a]	83.7	82.7	78.2	69.4	63.5	63.7	66.5	71.4	77.6	80.8	85.8	84.4
Water Year Types[b]												
Wet (30%)	74.0	73.9	73.0	56.7	53.8	55.3	57.9	62.2	70.5	76.1	84.2	74.0
Above Normal (13%)	81.0	79.4	77.0	63.6	55.3	56.0	60.3	67.4	75.8	76.6	83.7	81.0
Below Normal (15%)	88.9	88.6	84.8	71.8	67.6	68.6	70.3	73.8	79.4	80.7	84.8	82.6
Dry (26%)	89.0	86.6	76.1	78.9	69.7	67.4	70.6	75.7	80.6	84.4	87.0	90.6
Critical (16%)	92.0	91.6	87.1	81.1	75.6	75.7	78.3	83.3	86.3	87.8	89.8	92.4

Alternative 4 H2 (LLT)

Statistic	End of Month Position (KM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	88.6	91.2	90.6	83.0	78.5	78.5	79.5	83.6	85.6	89.0	91.0	91.5
20%	87.4	88.9	89.8	81.6	74.9	72.0	76.2	79.9	83.3	86.6	88.8	90.9
30%	87.0	88.0	88.7	79.4	70.0	67.6	72.6	78.5	82.4	85.4	88.1	90.5
40%	86.5	87.4	87.6	74.0	65.7	64.7	68.3	73.3	80.2	83.9	87.4	90.2
50%	86.1	86.9	84.1	71.5	61.8	62.0	63.2	68.6	77.9	82.7	86.7	90.0
60%	85.7	86.5	81.6	67.4	56.5	59.2	61.2	67.0	76.7	81.6	86.2	89.6
70%	84.7	85.6	75.9	57.4	53.4	55.1	58.6	64.7	75.4	80.9	85.8	89.4
80%	84.0	84.6	67.8	53.2	50.2	51.3	56.6	62.9	73.3	80.1	85.5	88.9
90%	82.4	78.3	56.2	50.4	49.4	49.9	51.9	56.3	66.3	77.9	85.0	87.7
Long Term												
Full Simulation Period[a]	85.7	85.3	79.3	68.4	62.7	62.6	65.3	70.6	77.7	83.0	87.2	89.6
Water Year Types[b]												
Wet (30%)	85.6	83.8	76.3	55.4	52.6	53.2	55.8	60.6	70.3	78.8	85.4	88.9
Above Normal (13%)	84.9	84.1	79.3	62.9	53.4	54.9	58.3	65.5	75.8	80.6	85.5	90.0
Below Normal (15%)	85.5	86.5	85.4	69.3	66.2	67.2	69.1	73.6	79.5	82.8	86.7	82.5
Dry (26%)	84.3	83.6	75.6	78.3	69.5	67.2	69.9	74.9	80.7	85.6	88.2	90.0
Critical (16%)	88.9	91.0	85.8	81.0	75.6	75.8	78.9	84.2	87.3	89.1	91.0	89.7

Alternative 4 H2 (LLT) minus No Action Alternative (LLT)

Statistic	End of Month Position (KM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-3.5	-1.0	**0.2**	-2.3	-1.9	**0.2**	**0.5**	**0.7**	**1.1**	**1.4**	**1.2**	-0.9
20%	-3.6	-1.4	**1.4**	-1.1	**0.3**	-1.3	**0.6**	**0.8**	**1.1**	**1.5**	**1.0**	-0.9
30%	-2.5	-1.7	**2.2**	-0.7	**0.2**	-0.3	**0.2**	0.0	**0.9**	**1.1**	**1.3**	-0.3
40%	-2.4	-1.1	**3.4**	-1.0	-0.1	-1.6	-0.9	-1.7	-0.3	**0.7**	**1.3**	0.0
50%	-1.6	**5.2**	**1.4**	-0.7	**1.0**	-1.6	-3.7	-3.5	-1.2	**2.2**	**1.1**	**0.8**
60%	**4.6**	**5.5**	**0.6**	**1.0**	-1.9	-1.2	-3.1	-2.9	-0.8	**3.3**	**1.2**	**8.6**
70%	**10.6**	**9.0**	**1.6**	-1.4	-1.3	-1.5	-2.0	-1.8	**0.7**	**3.7**	**1.5**	**15.3**
80%	**10.0**	**9.4**	**3.1**	-0.9	-1.8	-1.6	-0.5	-0.2	**0.6**	**3.5**	**1.7**	**14.9**
90%	**8.5**	**4.3**	-0.6	-1.8	-1.2	-1.4	-0.9	-0.9	-0.2	**2.4**	**1.8**	**13.7**
Long Term												
Full Simulation Period[a]	**2.0**	**2.5**	**1.1**	-1.0	-0.9	-1.0	-1.2	-0.8	**0.1**	**2.2**	**1.4**	**5.2**
Water Year Types[b]												
Wet	**11.7**	**9.9**	**3.4**	-1.3	-1.2	-2.1	-2.1	-1.6	-0.3	**2.7**	**1.3**	**14.9**
Above Normal	**3.9**	**4.7**	**2.3**	-0.7	-1.9	-1.1	-2.0	-1.9	**0.1**	**4.0**	**1.8**	**9.0**
Below Normal	-3.4	-2.2	**0.6**	-2.5	-1.3	-1.3	-1.2	-0.2	**0.1**	**2.1**	**1.9**	-0.1
Dry	-4.7	-3.0	-0.5	-0.6	-0.3	-0.2	-0.7	-0.8	**0.1**	**1.1**	**1.1**	-0.5
Critical	-3.2	-0.6	-1.4	-0.1	0.0	**0.1**	**0.6**	**0.9**	**1.0**	**1.3**	**1.3**	-2.7

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999) calculated for current and future climate.

Positive differences highlighted in red indicate eastward movement of X2 position

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-8-19. X2, End of Month Position

No Action Alternative (LLT)

Statistic	End of Month Position (KM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	92.1	92.1	90.4	85.3	80.4	78.3	79.0	82.9	84.6	87.6	89.8	92.4
20%	91.1	90.3	88.4	82.7	74.7	73.3	75.5	79.2	82.2	85.1	87.8	91.8
30%	89.5	89.6	86.5	80.0	69.8	67.9	72.4	78.5	81.4	84.3	86.9	90.8
40%	88.9	88.6	84.1	74.9	65.8	66.4	69.2	75.0	80.5	83.1	86.1	90.2
50%	87.7	81.8	82.7	72.2	60.7	63.6	67.0	72.1	79.0	80.5	85.6	89.2
60%	81.0	80.9	81.0	66.4	58.4	60.4	64.3	70.0	77.5	78.2	84.9	81.0
70%	74.1	76.5	74.3	58.8	54.7	56.7	60.6	66.5	74.7	77.2	84.3	74.1
80%	74.0	75.1	64.7	54.0	51.9	52.9	57.1	63.1	72.7	76.6	83.8	74.0
90%	74.0	74.0	56.9	52.1	50.6	51.2	52.8	57.2	66.5	75.5	83.3	74.0
Long Term												
Full Simulation Period[a]	83.7	82.7	78.2	69.4	63.5	63.7	66.5	71.4	77.6	80.8	85.8	84.4
Water Year Types[b]												
Wet (30%)	74.0	73.9	73.0	56.7	53.8	55.3	57.9	62.2	70.5	76.1	84.2	74.0
Above Normal (13%)	81.0	79.4	77.0	63.6	55.3	56.0	60.3	67.4	75.8	76.6	83.7	81.0
Below Normal (15%)	88.9	88.6	84.8	71.8	67.6	68.6	70.3	73.8	79.4	80.7	84.8	82.6
Dry (26%)	89.0	86.6	76.1	78.9	69.7	67.4	70.6	75.7	80.6	84.4	87.0	90.6
Critical (16%)	92.0	91.6	87.1	81.1	75.6	75.7	78.3	83.3	86.3	87.8	89.8	92.4

Alternative 4 H3 (LLT)

Statistic	End of Month Position (KM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	88.5	91.1	90.3	82.8	78.9	78.9	80.1	84.0	85.7	88.8	90.7	92.0
20%	86.9	88.5	88.4	81.4	74.6	73.9	76.4	79.8	83.1	86.8	89.2	91.1
30%	85.9	86.7	85.4	79.9	70.5	69.6	74.5	79.1	82.0	85.7	88.7	90.2
40%	84.5	85.4	84.0	75.1	66.5	67.5	71.1	76.9	80.7	83.8	87.4	89.3
50%	83.1	81.1	82.1	72.2	62.0	64.6	68.6	73.7	80.2	82.8	86.4	88.2
60%	80.6	80.9	80.5	68.6	57.1	60.9	65.8	71.1	78.4	81.1	85.9	81.0
70%	74.1	77.4	74.6	57.7	53.4	55.9	62.9	67.5	76.7	80.6	85.7	74.1
80%	74.0	76.1	65.2	53.3	50.1	51.4	57.5	65.3	73.9	79.6	85.2	74.0
90%	74.0	74.0	57.3	50.4	49.4	49.8	51.9	57.6	66.4	77.6	85.0	74.0
Long Term												
Full Simulation Period[a]	81.5	81.8	77.8	68.6	63.0	63.8	67.6	72.5	78.4	82.9	87.2	84.0
Water Year Types[b]												
Wet (30%)	73.9	74.5	72.6	55.6	52.7	54.0	58.3	63.4	71.3	78.7	85.3	74.0
Above Normal (13%)	80.5	79.4	76.4	63.7	54.0	55.5	61.2	69.2	76.9	79.6	85.1	81.0
Below Normal (15%)	85.5	86.5	85.2	70.4	67.4	70.3	72.5	74.7	80.0	82.8	86.4	82.5
Dry (26%)	84.6	83.7	75.7	78.2	69.7	68.6	72.1	76.4	81.2	85.7	88.5	90.9
Critical (16%)	88.5	90.9	86.2	80.8	75.5	76.1	79.1	84.4	87.5	89.1	90.9	89.7

Alternative 4 H3 (LLT) minus No Action Alternative (LLT)

Statistic	End of Month Position (KM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-3.6	-1.1	-0.1	-2.5	-1.5	**0.6**	**1.1**	**1.1**	**1.2**	**1.2**	**0.9**	-0.4
20%	-4.2	-1.9	**0.0**	-1.3	-0.1	**0.6**	**0.8**	**0.7**	**0.9**	**1.7**	**1.4**	-0.6
30%	-3.6	-2.9	-1.1	-0.2	**0.7**	**1.7**	**2.2**	**0.5**	**0.6**	**1.4**	**1.8**	-0.6
40%	-4.4	-3.2	-0.1	**0.2**	**0.7**	**1.1**	**1.8**	**1.9**	**0.2**	**0.7**	**1.4**	-1.0
50%	-4.6	-0.7	-0.6	**0.0**	**1.3**	**1.0**	**1.6**	**1.6**	**1.2**	**2.3**	**0.8**	-0.9
60%	-0.4	0.0	-0.5	**2.2**	-1.3	**0.5**	**1.5**	**1.1**	**0.9**	**2.8**	**1.0**	**0.0**
70%	**0.0**	**0.9**	**0.3**	-1.1	-1.3	-0.7	**2.3**	**1.0**	**2.0**	**3.4**	**1.4**	0.0
80%	**0.0**	**1.0**	**0.4**	-0.7	-1.8	-1.5	**0.4**	**2.2**	**1.2**	**3.1**	**1.4**	**0.0**
90%	0.0	**0.1**	**0.4**	-1.7	-1.2	-1.4	-0.9	**0.4**	-0.1	**2.2**	**1.7**	**0.0**
Long Term												
Full Simulation Period[a]	-2.3	-1.0	-0.4	-0.8	-0.6	**0.2**	**1.1**	**1.1**	**0.8**	**2.0**	**1.3**	-0.4
Water Year Types[b]												
Wet	-0.1	**0.6**	-0.3	-1.0	-1.0	-1.3	**0.4**	**1.2**	**0.7**	**2.6**	**1.2**	0.0
Above Normal	-0.5	**0.0**	-0.6	**0.0**	-1.3	-0.5	**1.0**	**1.8**	**1.1**	**2.9**	**1.4**	**0.0**
Below Normal	-3.4	-2.1	**0.4**	-1.5	-0.2	**1.8**	**2.2**	**0.9**	**0.6**	**2.1**	**1.6**	-0.1
Dry	-4.4	-2.9	-0.3	-0.7	-0.1	**1.2**	**1.5**	**0.7**	**0.6**	**1.3**	**1.5**	**0.3**
Critical	-3.5	-0.7	-0.9	-0.4	-0.1	**0.4**	**0.9**	**1.1**	**1.2**	**1.3**	**1.1**	-2.7

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999) calculated for current and future climate.

Positive differences highlighted in red indicate eastward movement of X2 position

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-8-20. X2, End of Month Position

No Action Alternative (LLT)

Statistic	End of Month Position (KM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	92.1	92.1	90.4	85.3	80.4	78.3	79.0	82.9	84.6	87.6	89.8	92.4
20%	91.1	90.3	88.4	82.7	74.7	73.3	75.5	79.2	82.2	85.1	87.8	91.8
30%	89.5	89.6	86.5	80.0	69.8	67.9	72.4	78.5	81.4	84.3	86.9	90.8
40%	88.9	88.6	84.1	74.9	65.8	66.4	69.2	75.0	80.5	83.1	86.1	90.2
50%	87.7	81.8	82.7	72.2	60.7	63.6	67.0	72.1	79.0	80.5	85.6	89.2
60%	81.0	80.9	81.0	66.4	58.4	60.4	64.3	70.0	77.5	78.2	84.9	81.0
70%	74.1	76.5	74.3	58.8	54.7	56.7	60.6	66.5	74.7	77.2	84.3	74.1
80%	74.0	75.1	64.7	54.0	51.9	52.9	57.1	63.1	72.7	76.6	83.8	74.0
90%	74.0	74.0	56.9	52.1	50.6	51.2	52.8	57.2	66.5	75.5	83.3	74.0
Long Term												
Full Simulation Period[a]	83.7	82.7	78.2	69.4	63.5	63.7	66.5	71.4	77.6	80.8	85.8	84.4
Water Year Types[b]												
Wet (30%)	74.0	73.9	73.0	56.7	53.8	55.3	57.9	62.2	70.5	76.1	84.2	74.0
Above Normal (13%)	81.0	79.4	77.0	63.6	55.3	56.0	60.3	67.4	75.8	76.6	83.7	81.0
Below Normal (15%)	88.9	88.6	84.8	71.8	67.6	68.6	70.3	73.8	79.4	80.7	84.8	82.6
Dry (26%)	89.0	86.6	76.1	78.9	69.7	67.4	70.6	75.7	80.6	84.4	87.0	90.6
Critical (16%)	92.0	91.6	87.1	81.1	75.6	75.7	78.3	83.3	86.3	87.8	89.8	92.4

Alternative 4 H4 (LLT)

Statistic	End of Month Position (KM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	88.8	90.2	90.5	83.1	79.5	78.5	79.7	83.6	85.6	89.0	90.9	91.6
20%	86.5	88.8	89.4	82.2	74.6	72.0	76.1	79.9	83.3	86.6	88.9	90.5
30%	85.5	87.1	85.3	80.5	70.5	68.1	73.3	78.4	82.4	85.6	88.0	90.0
40%	84.3	85.2	83.5	74.6	66.1	65.1	68.5	73.1	80.3	83.7	87.3	89.1
50%	82.2	81.0	82.0	72.3	61.9	63.0	63.2	68.9	78.2	82.7	86.6	87.5
60%	80.5	80.9	80.3	67.9	57.0	59.4	61.5	67.3	76.5	81.4	86.1	81.0
70%	74.1	77.4	74.2	57.6	53.6	55.3	58.7	64.9	75.2	80.8	85.7	74.1
80%	74.0	76.1	65.6	53.5	50.3	51.4	56.5	63.0	73.4	79.6	85.3	74.0
90%	74.0	74.0	56.5	50.4	49.4	49.9	51.9	56.4	66.4	77.8	84.8	74.0
Long Term												
Full Simulation Period[a]	81.4	81.7	77.7	68.9	63.1	62.9	65.5	70.6	77.8	82.9	87.1	83.8
Water Year Types[b]												
Wet (30%)	73.9	74.5	72.5	55.7	52.8	53.3	55.9	60.6	70.4	78.7	85.3	74.0
Above Normal (13%)	80.4	79.4	76.2	63.7	54.0	55.3	58.3	65.5	75.8	80.3	85.4	81.0
Below Normal (15%)	84.7	86.0	85.4	70.2	67.2	68.0	69.6	73.7	79.5	82.7	86.6	82.7
Dry (26%)	84.5	83.8	75.6	78.5	69.7	67.4	70.0	75.1	80.8	85.6	88.2	89.8
Critical (16%)	88.9	90.7	86.0	81.9	75.9	75.9	78.9	84.2	87.4	89.1	90.9	89.6

Alternative 4 H4 (LLT) minus No Action Alternative (LLT)

Statistic	End of Month Position (KM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-3.3	-2.0	**0.1**	-2.3	-0.9	**0.2**	**0.8**	**0.7**	**1.1**	**1.4**	**1.1**	-0.8
20%	-4.6	-1.6	**1.0**	-0.5	-0.1	-1.3	**0.6**	**0.7**	**1.1**	**1.5**	**1.0**	-1.2
30%	-4.0	-2.5	-1.2	**0.4**	**0.7**	**0.2**	**1.0**	-0.1	**1.0**	**1.4**	**1.2**	-0.8
40%	-4.7	-3.3	-0.6	-0.4	**0.3**	-1.3	-0.7	-1.9	-0.2	**0.5**	**1.3**	-1.1
50%	-5.5	-0.7	-0.7	**0.0**	**1.2**	-0.6	-3.8	-3.1	-0.8	**2.2**	**1.0**	-1.7
60%	-0.5	-0.1	-0.8	**1.5**	-1.5	-1.0	-2.8	-2.7	-1.1	**3.2**	**1.2**	**0.0**
70%	**0.0**	**0.9**	0.0	-1.2	-1.1	-1.3	-1.9	-1.6	**0.6**	**3.6**	**1.5**	0.0
80%	0.0	**0.9**	**0.8**	-0.5	-1.7	-1.5	-0.5	-0.1	**0.7**	**3.0**	**1.5**	0.0
90%	0.0	**0.0**	-0.4	-1.7	-1.2	-1.4	-0.9	-0.7	-0.1	**2.3**	**1.6**	**0.0**
Long Term												
Full Simulation Period[a]	-2.4	-1.0	-0.5	-0.5	-0.5	-0.8	-1.0	-0.8	**0.2**	**2.1**	**1.3**	-0.6
Water Year Types[b]												
Wet	-0.1	**0.6**	-0.5	-0.9	-1.0	-2.0	-2.0	-1.6	-0.1	**2.6**	**1.1**	0.0
Above Normal	-0.6	**0.0**	-0.7	**0.1**	-1.3	-0.7	-1.9	-1.9	**0.0**	**3.7**	**1.7**	**0.0**
Below Normal	-4.2	-2.6	**0.6**	-1.7	-0.4	-0.6	-0.7	-0.1	**0.1**	**2.0**	**1.8**	**0.1**
Dry	-4.6	-2.8	-0.5	-0.4	0.0	0.0	-0.6	-0.6	**0.2**	**1.1**	**1.2**	-0.7
Critical	-3.1	-0.9	-1.1	**0.8**	**0.4**	**0.2**	**0.6**	**0.9**	**1.1**	**1.3**	**1.1**	-2.8

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999) calculated for current and future climate.

Positive differences highlighted in red indicate eastward movement of X2 position

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-8-21. X2, End of Month Position

No Action Alternative (LLT)

	End of Month Position (KM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	92.1	92.1	90.4	85.3	80.4	78.3	79.0	82.9	84.6	87.6	89.8	92.4
20%	91.1	90.3	88.4	82.7	74.7	73.3	75.5	79.2	82.2	85.1	87.8	91.8
30%	89.5	89.6	86.5	80.0	69.8	67.9	72.4	78.5	81.4	84.3	86.9	90.8
40%	88.9	88.6	84.1	74.9	65.8	66.4	69.2	75.0	80.5	83.1	86.1	90.2
50%	87.7	81.8	82.7	72.2	60.7	63.6	67.0	72.1	79.0	80.5	85.6	89.2
60%	81.0	80.9	81.0	66.4	58.4	60.4	64.3	70.0	77.5	78.2	84.9	81.0
70%	74.1	76.5	74.3	58.8	54.7	56.7	60.6	66.5	74.7	77.2	84.3	74.1
80%	74.0	75.1	64.7	54.0	51.9	52.9	57.1	63.1	72.7	76.6	83.8	74.0
90%	74.0	74.0	56.9	52.1	50.6	51.2	52.8	57.2	66.5	75.5	83.3	74.0
Long Term												
Full Simulation Period[a]	83.7	82.7	78.2	69.4	63.5	63.7	66.5	71.4	77.6	80.8	85.8	84.4
Water Year Types[b]												
Wet (30%)	74.0	73.9	73.0	56.7	53.8	55.3	57.9	62.2	70.5	76.1	84.2	74.0
Above Normal (13%)	81.0	79.4	77.0	63.6	55.3	56.0	60.3	67.4	75.8	76.6	83.7	81.0
Below Normal (15%)	88.9	88.6	84.8	71.8	67.6	68.6	70.3	73.8	79.4	80.7	84.8	82.6
Dry (26%)	89.0	86.6	76.1	78.9	69.7	67.4	70.6	75.7	80.6	84.4	87.0	90.6
Critical (16%)	92.0	91.6	87.1	81.1	75.6	75.7	78.3	83.3	86.3	87.8	89.8	92.4

Alternative 5 (LLT)

	End of Month Position (KM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	90.2	90.9	90.2	83.8	80.0	79.1	79.9	84.0	85.8	89.0	90.6	92.0
20%	86.9	87.2	89.1	82.6	76.3	74.0	76.6	80.2	83.4	86.4	89.1	91.1
30%	85.8	86.4	85.5	81.4	71.2	69.3	74.1	78.9	82.5	85.3	88.2	90.6
40%	84.6	85.4	84.3	76.3	66.2	66.8	70.5	77.1	81.0	83.7	87.0	89.8
50%	81.9	81.4	83.0	74.6	60.8	64.3	68.0	73.8	80.5	82.6	86.4	88.7
60%	81.0	81.0	81.8	67.5	57.4	60.5	65.3	70.6	78.6	80.9	85.7	81.1
70%	74.6	77.3	75.7	57.2	53.0	55.6	61.1	66.9	76.9	80.0	85.3	74.1
80%	74.0	76.1	66.1	53.1	50.1	51.4	56.1	64.1	73.8	79.4	85.0	74.0
90%	74.0	74.1	58.0	50.5	49.4	49.9	51.4	56.4	66.4	77.9	84.5	74.0
Long Term												
Full Simulation Period[a]	81.9	81.8	78.3	69.3	63.2	63.7	67.0	72.2	78.6	82.6	87.0	84.1
Water Year Types[b]												
Wet (30%)	74.0	74.5	73.1	55.8	52.8	54.1	57.6	62.5	71.2	78.5	85.0	74.0
Above Normal (13%)	81.0	79.5	76.9	63.7	54.0	55.3	60.5	68.8	77.4	79.6	84.9	81.0
Below Normal (15%)	85.8	85.8	85.4	72.6	68.1	69.8	71.8	74.7	80.5	82.5	86.2	82.5
Dry (26%)	84.5	83.9	76.4	79.0	69.8	68.2	71.6	76.7	81.4	85.4	88.4	91.0
Critical (16%)	90.2	91.1	86.3	81.1	75.6	76.2	79.0	84.3	87.4	88.9	90.9	90.1

Alternative 5 (LLT) minus No Action Alternative (LLT)

	End of Month Position (KM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-1.9	-1.2	-0.2	-1.5	-0.4	**0.8**	**1.0**	**1.2**	**1.2**	**1.4**	**0.9**	-0.4
20%	-4.1	-3.1	**0.8**	0.0	**1.6**	**0.6**	**1.0**	**1.1**	**1.3**	**1.3**	**1.3**	-0.7
30%	-3.6	-3.2	-1.0	**1.4**	**1.3**	**1.3**	**1.7**	**0.4**	**1.1**	**1.0**	**1.4**	-0.1
40%	-4.3	-3.2	**0.2**	**1.3**	**0.4**	**0.4**	**1.2**	**2.1**	**0.4**	**0.6**	**1.0**	-0.4
50%	-5.8	-0.3	**0.3**	**2.3**	**0.1**	**0.7**	**1.0**	**1.7**	**1.5**	**2.1**	**0.8**	-0.4
60%	0.0	**0.0**	**0.8**	**1.1**	-1.0	**0.2**	**1.1**	**0.7**	**1.1**	**2.7**	**0.7**	**0.1**
70%	**0.6**	**0.8**	**1.5**	-1.6	-1.8	-1.0	**0.5**	**0.4**	**2.2**	**2.8**	**1.0**	0.0
80%	0.0	**0.9**	**1.3**	-0.9	-1.9	-1.4	-0.9	**1.0**	**1.1**	**2.8**	**1.1**	**0.0**
90%	**0.0**	**0.1**	**1.2**	-1.6	-1.3	-1.3	-1.4	-0.8	-0.1	**2.5**	**1.2**	**0.0**
Long Term												
Full Simulation Period[a]	-1.9	-0.9	**0.1**	-0.1	-0.4	**0.0**	**0.5**	**0.8**	**1.0**	**1.8**	**1.2**	-0.3
Water Year Types[b]												
Wet	**0.0**	**0.6**	**0.2**	-0.9	-1.0	-1.2	-0.3	**0.3**	**0.7**	**2.4**	**0.9**	0.0
Above Normal	**0.0**	**0.1**	-0.1	**0.1**	-1.2	-0.7	**0.2**	**1.4**	**1.7**	**3.0**	**1.2**	**0.0**
Below Normal	-3.1	-2.8	**0.6**	**0.8**	**0.5**	**1.2**	**1.5**	**0.9**	**1.1**	**1.8**	**1.4**	-0.1
Dry	-4.5	-2.7	**0.3**	**0.1**	**0.1**	**0.8**	**1.0**	**1.0**	**0.8**	**1.0**	**1.4**	**0.5**
Critical	-1.9	-0.5	-0.8	0.0	**0.0**	**0.4**	**0.7**	**1.0**	**1.1**	**1.1**	**1.1**	-2.3

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999) calculated for current and future climate.

Positive differences highlighted in red indicate eastward movement of X2 position

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-8-22. X2, End of Month Position

No Action Alternative (LLT)

	End of Month Position (KM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	92.1	92.1	90.4	85.3	80.4	78.3	79.0	82.9	84.6	87.6	89.8	92.4
20%	91.1	90.3	88.4	82.7	74.7	73.3	75.5	79.2	82.2	85.1	87.8	91.8
30%	89.5	89.6	86.5	80.0	69.8	67.9	72.4	78.5	81.4	84.3	86.9	90.8
40%	88.9	88.6	84.1	74.9	65.8	66.4	69.2	75.0	80.5	83.1	86.1	90.2
50%	87.7	81.8	82.7	72.2	60.7	63.6	67.0	72.1	79.0	80.5	85.6	89.2
60%	81.0	80.9	81.0	66.4	58.4	60.4	64.3	70.0	77.5	78.2	84.9	81.0
70%	74.1	76.5	74.3	58.8	54.7	56.7	60.6	66.5	74.7	77.2	84.3	74.1
80%	74.0	75.1	64.7	54.0	51.9	52.9	57.1	63.1	72.7	76.6	83.8	74.0
90%	74.0	74.0	56.9	52.1	50.6	51.2	52.8	57.2	66.5	75.5	83.3	74.0
Long Term												
Full Simulation Period[a]	83.7	82.7	78.2	69.4	63.5	63.7	66.5	71.4	77.6	80.8	85.8	84.4
Water Year Types[b]												
Wet (30%)	74.0	73.9	73.0	56.7	53.8	55.3	57.9	62.2	70.5	76.1	84.2	74.0
Above Normal (13%)	81.0	79.4	77.0	63.6	55.3	56.0	60.3	67.4	75.8	76.6	83.7	81.0
Below Normal (15%)	88.9	88.6	84.8	71.8	67.6	68.6	70.3	73.8	79.4	80.7	84.8	82.6
Dry (26%)	89.0	86.6	76.1	78.9	69.7	67.4	70.6	75.7	80.6	84.4	87.0	90.6
Critical (16%)	92.0	91.6	87.1	81.1	75.6	75.7	78.3	83.3	86.3	87.8	89.8	92.4

Alternative 6A,6B,6C (LLT)

	End of Month Position (KM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	85.5	85.1	82.4	76.5	74.0	74.1	78.2	82.9	85.5	87.9	88.5	86.6
20%	84.3	83.5	80.6	75.7	69.6	69.7	74.9	79.6	83.2	86.5	87.4	86.0
30%	83.6	82.9	78.5	72.7	66.1	66.7	71.9	78.4	82.3	85.7	86.6	85.4
40%	82.9	81.9	76.9	67.9	65.2	65.6	69.4	75.9	80.3	84.7	86.0	84.7
50%	82.3	81.0	75.3	66.6	60.4	63.3	67.2	73.4	79.4	83.0	85.1	84.0
60%	80.4	79.9	71.6	64.0	57.0	60.2	65.0	70.3	78.2	81.7	84.1	81.0
70%	74.1	76.4	68.2	56.9	53.4	55.9	62.8	67.5	75.8	80.4	83.1	74.1
80%	74.0	74.3	62.7	51.8	50.2	51.6	58.2	65.4	73.5	79.9	82.2	74.0
90%	74.0	73.8	54.8	50.3	49.3	49.9	52.1	58.1	66.7	76.5	81.6	74.0
Long Term												
Full Simulation Period[a]	80.4	79.2	71.9	64.8	61.0	62.2	66.6	72.1	78.1	82.8	84.8	81.5
Water Year Types[b]												
Wet (30%)	73.8	73.8	67.9	54.3	52.9	53.9	58.1	63.3	71.1	77.6	81.4	74.0
Above Normal (13%)	80.3	79.0	71.1	60.6	53.4	55.5	61.2	68.8	76.6	81.1	83.5	81.0
Below Normal (15%)	83.2	82.3	76.3	66.2	65.4	67.1	70.7	74.7	80.0	84.2	85.6	77.6
Dry (26%)	82.7	79.8	69.8	71.8	65.9	65.8	70.3	75.9	80.9	85.5	86.7	85.2
Critical (16%)	87.1	85.9	79.7	75.8	71.2	73.4	77.8	83.2	86.3	88.4	88.6	87.7

Alternative 6A,6B,6C (LLT) minus No Action Alternative (LLT)

	End of Month Position (KM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-6.6	-7.1	-8.0	-8.8	-6.4	-4.3	-0.7	**0.0**	**0.9**	**0.3**	-1.3	-5.8
20%	-6.8	-6.8	-7.8	-7.0	-5.0	-3.6	-0.6	**0.4**	**1.1**	**1.4**	-0.4	-5.8
30%	-5.8	-6.8	-8.0	-7.3	-3.7	-1.3	-0.5	-0.1	**0.8**	**1.4**	-0.3	-5.3
40%	-6.0	-6.7	-7.2	-7.0	-0.6	-0.8	**0.2**	**0.9**	-0.3	**1.5**	-0.1	-5.5
50%	-5.4	-0.7	-7.4	-5.7	-0.4	-0.3	**0.3**	**1.4**	**0.3**	**2.5**	-0.5	-5.2
60%	-0.6	-1.0	-9.4	-2.4	-1.4	-0.2	**0.7**	**0.3**	**0.6**	**3.5**	-0.8	**0.0**
70%	**0.0**	-0.1	-6.0	-1.9	-1.4	-0.7	**2.2**	**1.0**	**1.1**	**3.2**	-1.2	0.0
80%	**0.0**	-0.8	-2.0	-2.2	-1.7	-1.3	**1.1**	**2.3**	**0.9**	**3.4**	-1.7	**0.0**
90%	**0.0**	-0.2	-2.0	-1.9	-1.3	-1.3	-0.7	**1.0**	**0.2**	**1.0**	-1.7	**0.0**
Long Term												
Full Simulation Period[a]	-3.3	-3.6	-6.3	-4.6	-2.5	-1.5	**0.1**	**0.7**	**0.4**	**1.9**	-1.0	-2.9
Water Year Types[b]												
Wet	-0.2	-0.1	-5.1	-2.4	-0.9	-1.4	**0.2**	**1.1**	**0.6**	**1.5**	-2.7	**0.0**
Above Normal	-0.7	-0.4	-5.8	-3.0	-1.9	-0.5	**0.9**	**1.4**	**0.8**	**4.5**	-0.2	**0.0**
Below Normal	-5.8	-6.3	-8.5	-5.7	-2.1	-1.4	**0.4**	**0.8**	**0.6**	**3.5**	**0.8**	-5.0
Dry	-6.3	-6.8	-6.3	-7.1	-3.9	-1.6	-0.2	**0.2**	**0.3**	**1.1**	-0.3	-5.4
Critical	-4.9	-5.7	-7.4	-5.3	-4.4	-2.4	-0.4	-0.1	**0.0**	**0.7**	-1.1	-4.7

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999) calculated for current and future climate.

Positive differences highlighted in red indicate eastward movement of X2 position

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-8-23. X2, End of Month Position

No Action Alternative (LLT)

	End of Month Position (KM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	92.1	92.1	90.4	85.3	80.4	78.3	79.0	82.9	84.6	87.6	89.8	92.4
20%	91.1	90.3	88.4	82.7	74.7	73.3	75.5	79.2	82.2	85.1	87.8	91.8
30%	89.5	89.6	86.5	80.0	69.8	67.9	72.4	78.5	81.4	84.3	86.9	90.8
40%	88.9	88.6	84.1	74.9	65.8	66.4	69.2	75.0	80.5	83.1	86.1	90.2
50%	87.7	81.8	82.7	72.2	60.7	63.6	67.0	72.1	79.0	80.5	85.6	89.2
60%	81.0	80.9	81.0	66.4	58.4	60.4	64.3	70.0	77.5	78.2	84.9	81.0
70%	74.1	76.5	74.3	58.8	54.7	56.7	60.6	66.5	74.7	77.2	84.3	74.1
80%	74.0	75.1	64.7	54.0	51.9	52.9	57.1	63.1	72.7	76.6	83.8	74.0
90%	74.0	74.0	56.9	52.1	50.6	51.2	52.8	57.2	66.5	75.5	83.3	74.0
Long Term												
Full Simulation Period[a]	83.7	82.7	78.2	69.4	63.5	63.7	66.5	71.4	77.6	80.8	85.8	84.4
Water Year Types[b]												
Wet (30%)	74.0	73.9	73.0	56.7	53.8	55.3	57.9	62.2	70.5	76.1	84.2	74.0
Above Normal (13%)	81.0	79.4	77.0	63.6	55.3	56.0	60.3	67.4	75.8	76.6	83.7	81.0
Below Normal (15%)	88.9	88.6	84.8	71.8	67.6	68.6	70.3	73.8	79.4	80.7	84.8	82.6
Dry (26%)	89.0	86.6	76.1	78.9	69.7	67.4	70.6	75.7	80.6	84.4	87.0	90.6
Critical (16%)	92.0	91.6	87.1	81.1	75.6	75.7	78.3	83.3	86.3	87.8	89.8	92.4

Alternative 7 (LLT)

	End of Month Position (KM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	87.7	85.4	82.7	76.2	73.8	74.0	78.0	82.6	84.1	87.8	89.8	91.3
20%	86.5	83.3	80.8	75.5	69.5	70.0	74.8	79.7	82.6	86.4	88.7	90.6
30%	86.0	82.2	78.1	73.0	66.1	66.4	71.8	78.4	81.7	85.2	87.9	90.1
40%	84.7	81.8	76.5	67.8	65.1	65.2	69.4	75.7	80.0	84.0	86.9	89.6
50%	83.6	81.0	75.1	66.6	59.9	62.3	66.5	73.2	78.7	82.6	86.6	88.3
60%	79.7	78.7	71.9	64.1	56.3	60.0	65.0	70.0	76.8	81.2	86.0	81.0
70%	74.1	76.8	67.9	56.0	52.8	55.8	62.2	66.5	75.5	80.5	85.6	74.1
80%	74.0	74.5	63.2	51.7	50.1	51.5	56.9	64.9	72.4	80.0	85.4	74.0
90%	73.7	72.8	55.1	50.3	49.3	50.0	51.8	57.1	66.3	77.5	84.8	74.0
Long Term												
Full Simulation Period[a]	81.1	78.9	71.9	64.7	60.8	62.0	66.3	71.7	77.0	82.6	86.9	83.9
Water Year Types[b]												
Wet (30%)	73.6	74.0	67.9	54.2	52.7	53.9	57.7	62.7	70.1	78.7	85.5	74.0
Above Normal (13%)	79.5	78.8	71.2	60.4	53.2	55.3	60.7	68.5	75.8	79.8	85.3	81.0
Below Normal (15%)	85.7	81.8	76.5	66.1	65.2	66.7	70.4	74.4	79.0	82.8	86.3	82.7
Dry (26%)	84.5	79.2	69.9	71.9	65.8	65.4	70.0	75.9	80.3	85.3	87.8	90.2
Critical (16%)	88.0	85.5	79.6	75.6	71.0	73.2	77.6	82.3	84.2	88.1	90.0	90.0

Alternative 7 (LLT) minus No Action Alternative (LLT)

	End of Month Position (KM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-4.4	-6.8	-7.7	-9.1	-6.6	-4.3	-1.0	-0.2	-0.5	**0.3**	**0.0**	-1.0
20%	-4.5	-7.1	-7.6	-7.2	-5.2	-3.3	-0.7	**0.5**	**0.4**	**1.3**	**0.9**	-1.2
30%	-3.5	-7.4	-8.4	-7.1	-3.8	-1.5	-0.6	-0.2	**0.2**	**0.9**	**1.0**	-0.7
40%	-4.2	-6.8	-7.6	-7.1	-0.7	-1.1	**0.1**	**0.7**	-0.6	**0.8**	**0.9**	-0.6
50%	-4.1	-0.8	-7.6	-5.7	-0.8	-1.3	-0.4	**1.1**	-0.3	**2.1**	**1.0**	-0.9
60%	-1.3	-2.2	-9.1	-2.3	-2.1	-0.3	**0.7**	**0.1**	-0.8	**3.0**	**1.1**	0.0
70%	**0.0**	**0.2**	-6.4	-2.8	-1.9	-0.9	**1.6**	0.0	**0.8**	**3.3**	**1.4**	0.0
80%	0.0	-0.7	-1.6	-2.3	-1.9	-1.4	-0.2	**1.9**	-0.3	**3.4**	**1.6**	**0.0**
90%	-0.2	-1.1	-1.8	-1.8	-1.4	-1.3	-1.0	-0.1	-0.2	**2.1**	**1.6**	**0.0**
Long Term												
Full Simulation Period[a]	-2.6	-3.8	-6.3	-4.7	-2.7	-1.7	-0.2	**0.3**	-0.6	**1.8**	**1.1**	-0.5
Water Year Types[b]												
Wet	-0.4	**0.1**	-5.1	-2.5	-1.1	-1.4	-0.2	**0.4**	-0.4	**2.6**	**1.4**	0.0
Above Normal	-1.5	-0.6	-5.8	-3.2	-2.1	-0.7	**0.4**	**1.1**	**0.0**	**3.1**	**1.6**	0.0
Below Normal	-3.2	-6.8	-8.3	-5.8	-2.4	-1.9	**0.1**	**0.6**	-0.4	**2.1**	**1.5**	**0.1**
Dry	-4.5	-7.4	-6.2	-7.0	-3.9	-2.0	-0.6	**0.2**	-0.3	**0.9**	**0.8**	-0.4
Critical	-4.1	-6.1	-7.5	-5.5	-4.5	-2.5	-0.7	-1.0	-2.1	**0.3**	**0.2**	-2.4

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999) calculated for current and future climate.

Positive differences highlighted in red indicate eastward movement of X2 position

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-8-24. X2, End of Month Position

No Action Alternative (LLT)

	End of Month Position (KM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	92.1	92.1	90.4	85.3	80.4	78.3	79.0	82.9	84.6	87.6	89.8	92.4
20%	91.1	90.3	88.4	82.7	74.7	73.3	75.5	79.2	82.2	85.1	87.8	91.8
30%	89.5	89.6	86.5	80.0	69.8	67.9	72.4	78.5	81.4	84.3	86.9	90.8
40%	88.9	88.6	84.1	74.9	65.8	66.4	69.2	75.0	80.5	83.1	86.1	90.2
50%	87.7	81.8	82.7	72.2	60.7	63.6	67.0	72.1	79.0	80.5	85.6	89.2
60%	81.0	80.9	81.0	66.4	58.4	60.4	64.3	70.0	77.5	78.2	84.9	81.0
70%	74.1	76.5	74.3	58.8	54.7	56.7	60.6	66.5	74.7	77.2	84.3	74.1
80%	74.0	75.1	64.7	54.0	51.9	52.9	57.1	63.1	72.7	76.6	83.8	74.0
90%	74.0	74.0	56.9	52.1	50.6	51.2	52.8	57.2	66.5	75.5	83.3	74.0
Long Term												
Full Simulation Period[a]	83.7	82.7	78.2	69.4	63.5	63.7	66.5	71.4	77.6	80.8	85.8	84.4
Water Year Types[b]												
Wet (30%)	74.0	73.9	73.0	56.7	53.8	55.3	57.9	62.2	70.5	76.1	84.2	74.0
Above Normal (13%)	81.0	79.4	77.0	63.6	55.3	56.0	60.3	67.4	75.8	76.6	83.7	81.0
Below Normal (15%)	88.9	88.6	84.8	71.8	67.6	68.6	70.3	73.8	79.4	80.7	84.8	82.6
Dry (26%)	89.0	86.6	76.1	78.9	69.7	67.4	70.6	75.7	80.6	84.4	87.0	90.6
Critical (16%)	92.0	91.6	87.1	81.1	75.6	75.7	78.3	83.3	86.3	87.8	89.8	92.4

Alternative 8 (LLT)

	End of Month Position (KM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	88.5	86.5	82.8	77.1	73.9	71.6	74.8	79.8	83.5	87.5	89.8	91.5
20%	87.6	83.9	81.1	75.3	67.4	66.2	68.8	76.7	82.0	86.1	88.7	91.2
30%	86.7	82.4	78.5	72.6	64.9	64.9	67.0	73.4	80.8	85.5	88.5	90.8
40%	86.1	81.8	76.6	66.6	63.9	63.2	65.4	69.7	78.4	84.5	88.0	90.4
50%	83.2	80.9	75.6	65.3	58.4	60.8	63.9	67.7	76.7	83.4	87.5	89.7
60%	79.4	78.5	71.9	62.0	55.6	58.9	62.5	66.1	75.3	81.5	86.7	81.0
70%	74.1	76.8	68.0	55.4	52.3	55.2	59.2	64.7	73.8	80.4	85.9	74.1
80%	74.0	74.4	62.5	52.1	50.1	51.4	55.4	61.8	70.9	80.0	85.5	74.0
90%	73.9	73.8	54.5	49.8	49.3	50.0	51.3	55.6	65.6	78.0	85.2	74.0
Long Term												
Full Simulation Period[a]	81.7	79.2	72.0	64.2	60.0	60.6	63.4	68.5	75.8	82.7	87.4	84.3
Water Year Types[b]												
Wet (30%)	73.6	74.1	67.8	53.7	52.5	53.7	56.3	60.8	68.8	78.3	85.5	74.0
Above Normal (13%)	79.5	78.7	71.0	59.5	52.3	54.9	58.8	65.4	74.5	80.8	86.0	81.0
Below Normal (15%)	85.8	81.6	76.7	64.7	63.9	64.5	65.2	70.6	78.2	83.6	87.6	83.5
Dry (26%)	85.8	79.9	70.1	71.6	64.4	63.2	66.2	71.5	79.2	85.4	88.4	90.7
Critical (16%)	89.0	86.4	80.2	75.7	70.3	71.1	74.6	79.2	83.0	87.9	90.1	90.7

Alternative 8 (LLT) minus No Action Alternative (LLT)

	End of Month Position (KM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-3.6	-5.6	-7.7	-8.3	-6.5	-6.7	-4.2	-3.0	-1.0	-0.1	**0.1**	-0.9
20%	-3.4	-6.4	-7.3	-7.3	-7.3	-7.1	-6.8	-2.5	-0.2	**1.0**	**0.9**	-0.6
30%	-2.8	-7.2	-8.0	-7.4	-4.9	-3.1	-5.3	-5.1	-0.6	**1.2**	**1.6**	**0.0**
40%	-2.8	-6.7	-7.5	-8.3	-1.9	-3.2	-3.8	-5.4	-2.1	**1.4**	**1.9**	**0.1**
50%	-4.5	-0.8	-7.1	-6.9	-2.4	-2.7	-3.0	-4.4	-2.3	**2.9**	**1.9**	**0.5**
60%	-1.6	-2.4	-9.1	-4.4	-2.9	-1.5	-1.7	-3.9	-2.2	**3.3**	**1.7**	0.0
70%	**0.0**	**0.3**	-6.2	-3.4	-2.4	-1.4	-1.4	-1.8	-0.9	**3.2**	**1.6**	0.0
80%	0.0	-0.7	-2.2	-1.9	-1.9	-1.4	-1.6	-1.3	-1.8	**3.4**	**1.7**	**0.0**
90%	0.0	-0.2	-2.4	-2.3	-1.3	-1.3	-1.5	-1.5	-0.9	**2.6**	**2.0**	0.0
Long Term												
Full Simulation Period[a]	-2.1	-3.5	-6.2	-5.2	-3.5	-3.0	-3.1	-2.9	-1.8	**1.9**	**1.5**	-0.1
Water Year Types[b]												
Wet	-0.4	**0.2**	-5.2	-2.9	-1.3	-1.6	-1.5	-1.5	-1.7	**2.2**	**1.4**	0.0
Above Normal	-1.5	-0.7	-6.0	-4.1	-3.0	-1.1	-1.4	-2.0	-1.2	**4.2**	**2.3**	0.0
Below Normal	-3.2	-7.0	-8.1	-7.2	-3.7	-4.0	-5.1	-3.2	-1.2	**2.9**	**2.8**	**0.9**
Dry	-3.3	-6.7	-6.0	-7.3	-5.4	-4.2	-4.4	-4.2	-1.4	**1.0**	**1.4**	**0.2**
Critical	-3.1	-5.2	-6.9	-5.4	-5.2	-4.6	-3.7	-4.1	-3.3	**0.1**	**0.3**	-1.7

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999) calculated for current and future climate.

Positive differences highlighted in red indicate eastward movement of X2 position

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-8-25. X2, End of Month Position

No Action Alternative (LLT)

Statistic	End of Month Position (KM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	92.1	92.1	90.4	85.3	80.4	78.3	79.0	82.9	84.6	87.6	89.8	92.4
20%	91.1	90.3	88.4	82.7	74.7	73.3	75.5	79.2	82.2	85.1	87.8	91.8
30%	89.5	89.6	86.5	80.0	69.8	67.9	72.4	78.5	81.4	84.3	86.9	90.8
40%	88.9	88.6	84.1	74.9	65.8	66.4	69.2	75.0	80.5	83.1	86.1	90.2
50%	87.7	81.8	82.7	72.2	60.7	63.6	67.0	72.1	79.0	80.5	85.6	89.2
60%	81.0	80.9	81.0	66.4	58.4	60.4	64.3	70.0	77.5	78.2	84.9	81.0
70%	74.1	76.5	74.3	58.8	54.7	56.7	60.6	66.5	74.7	77.2	84.3	74.1
80%	74.0	75.1	64.7	54.0	51.9	52.9	57.1	63.1	72.7	76.6	83.8	74.0
90%	74.0	74.0	56.9	52.1	50.6	51.2	52.8	57.2	66.5	75.5	83.3	74.0
Long Term												
Full Simulation Period[a]	83.7	82.7	78.2	69.4	63.5	63.7	66.5	71.4	77.6	80.8	85.8	84.4
Water Year Types[b]												
Wet (30%)	74.0	73.9	73.0	56.7	53.8	55.3	57.9	62.2	70.5	76.1	84.2	74.0
Above Normal (13%)	81.0	79.4	77.0	63.6	55.3	56.0	60.3	67.4	75.8	76.6	83.7	81.0
Below Normal (15%)	88.9	88.6	84.8	71.8	67.6	68.6	70.3	73.8	79.4	80.7	84.8	82.6
Dry (26%)	89.0	86.6	76.1	78.9	69.7	67.4	70.6	75.7	80.6	84.4	87.0	90.6
Critical (16%)	92.0	91.6	87.1	81.1	75.6	75.7	78.3	83.3	86.3	87.8	89.8	92.4

Alternative 9 (LLT)

Statistic	End of Month Position (KM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	94.1	94.5	92.5	86.4	78.7	78.2	78.1	83.2	85.8	89.2	89.9	92.2
20%	93.0	92.4	92.0	83.4	74.1	72.6	75.1	76.5	81.6	87.3	89.2	91.9
30%	92.8	92.2	88.8	81.3	68.5	66.6	72.7	75.7	80.8	86.7	88.9	91.7
40%	92.3	91.8	85.3	73.6	65.5	65.6	70.6	75.1	80.3	85.2	88.5	91.5
50%	88.6	83.4	83.6	71.8	59.6	61.6	68.2	73.8	79.0	84.4	87.8	90.9
60%	81.0	81.0	81.8	65.9	56.2	58.2	64.7	70.9	77.2	81.5	86.8	81.0
70%	74.1	77.0	73.7	56.6	52.5	54.6	61.0	67.2	75.8	80.0	86.3	74.1
80%	74.0	75.7	64.2	52.2	49.8	51.2	55.8	63.2	73.5	78.5	85.8	74.0
90%	74.0	74.0	55.3	50.2	49.2	49.8	51.5	56.5	66.8	77.2	85.3	74.0
Long Term												
Full Simulation Period[a]	84.9	83.9	79.0	69.1	62.4	62.4	66.5	71.0	77.4	83.1	87.6	84.7
Water Year Types[b]												
Wet (30%)	73.9	74.1	72.7	55.0	52.1	53.4	57.7	62.4	69.9	77.4	85.5	74.0
Above Normal (13%)	80.8	79.4	76.9	62.8	53.4	54.5	60.5	68.8	76.1	80.7	86.3	81.0
Below Normal (15%)	91.3	90.5	86.5	70.3	66.5	67.5	69.9	72.4	79.1	84.6	88.3	84.1
Dry (26%)	91.2	88.6	76.7	79.6	68.6	66.2	70.4	74.2	80.2	86.5	88.8	91.1
Critical (16%)	94.2	93.7	90.2	83.6	76.0	75.5	78.8	83.2	86.7	89.4	89.9	92.1

Alternative 9 (LLT) minus No Action Alternative (LLT)

Statistic	End of Month Position (KM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	**2.1**	**2.3**	**2.1**	**1.1**	-1.7	-0.1	-0.9	**0.3**	**1.3**	**1.6**	**0.1**	-0.2
20%	**2.0**	**2.1**	**3.7**	**0.7**	-0.6	-0.7	-0.4	-2.7	-0.6	**2.2**	**1.3**	**0.1**
30%	**3.3**	**2.5**	**2.3**	**1.3**	-1.3	-1.3	**0.4**	-2.9	-0.6	**2.4**	**2.0**	**1.0**
40%	**3.4**	**3.2**	**1.2**	-1.4	-0.3	-0.7	**1.4**	**0.1**	-0.2	**2.0**	**2.5**	**1.2**
50%	**1.0**	**1.6**	**0.9**	-0.5	-1.2	-2.0	**1.2**	**1.8**	0.0	**3.9**	**2.2**	**1.7**
60%	0.0	**0.1**	**0.8**	-0.5	-2.3	-2.2	**0.4**	**1.0**	-0.3	**3.3**	**1.9**	**0.0**
70%	**0.0**	**0.5**	-0.6	-2.2	-2.2	-2.1	**0.4**	**0.7**	**1.1**	**2.8**	**2.0**	0.0
80%	0.0	**0.6**	-0.5	-1.8	-2.1	-1.7	-1.3	**0.1**	**0.8**	**1.9**	**1.9**	**0.0**
90%	0.0	**0.0**	-1.5	-2.0	-1.4	-1.4	-1.3	-0.6	**0.3**	**1.8**	**2.1**	**0.0**
Long Term												
Full Simulation Period[a]	**1.2**	**1.1**	**0.8**	-0.3	-1.1	-1.3	0.0	-0.4	-0.2	**2.3**	**1.7**	**0.3**
Water Year Types[b]												
Wet	0.0	**0.2**	-0.3	-1.6	-1.7	-1.9	-0.2	**0.2**	-0.6	**1.3**	**1.3**	**0.0**
Above Normal	-0.2	**0.0**	-0.1	-0.9	-1.9	-1.4	**0.3**	**1.4**	**0.4**	**4.1**	**2.6**	**0.0**
Below Normal	**2.3**	**1.9**	**1.7**	-1.6	-1.1	-1.0	-0.4	-1.4	-0.3	**3.9**	**3.5**	**1.5**
Dry	**2.2**	**2.0**	**0.6**	**0.7**	-1.1	-1.2	-0.2	-1.5	-0.4	**2.1**	**1.8**	**0.5**
Critical	**2.1**	**2.1**	**3.1**	**2.5**	**0.4**	-0.2	**0.5**	0.0	**0.4**	**1.6**	**0.1**	-0.3

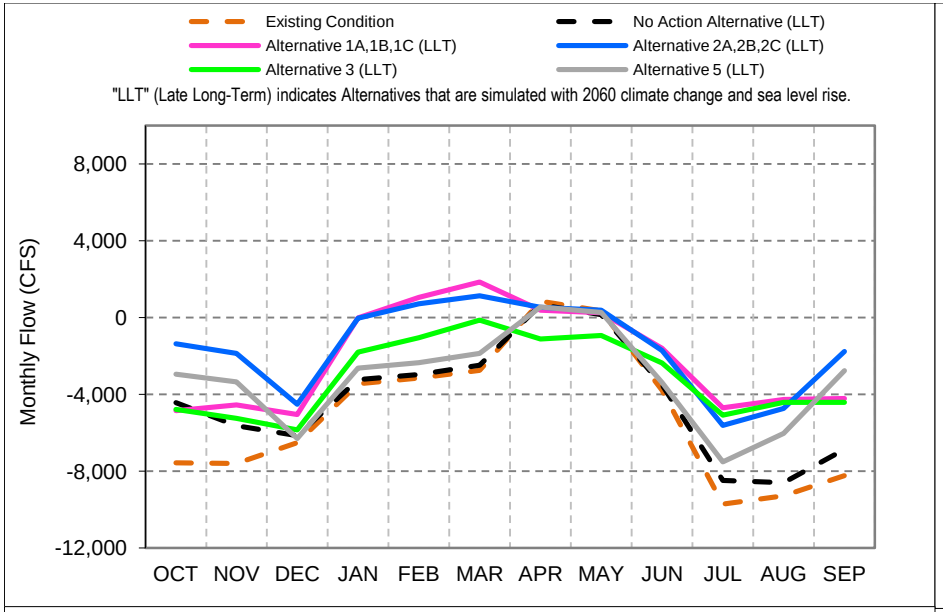
a Based on the 82-year simulation period

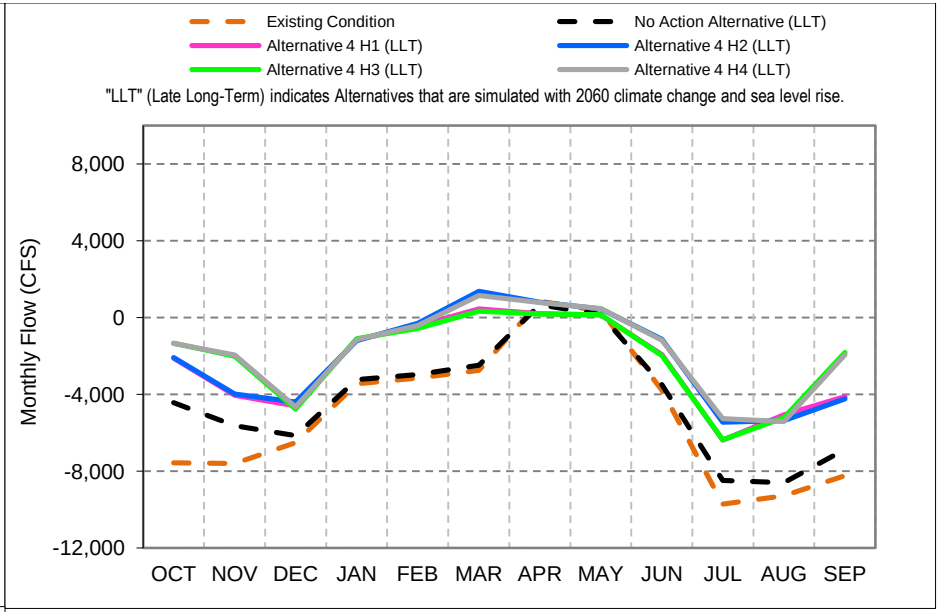
b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999) calculated for current and future climate.

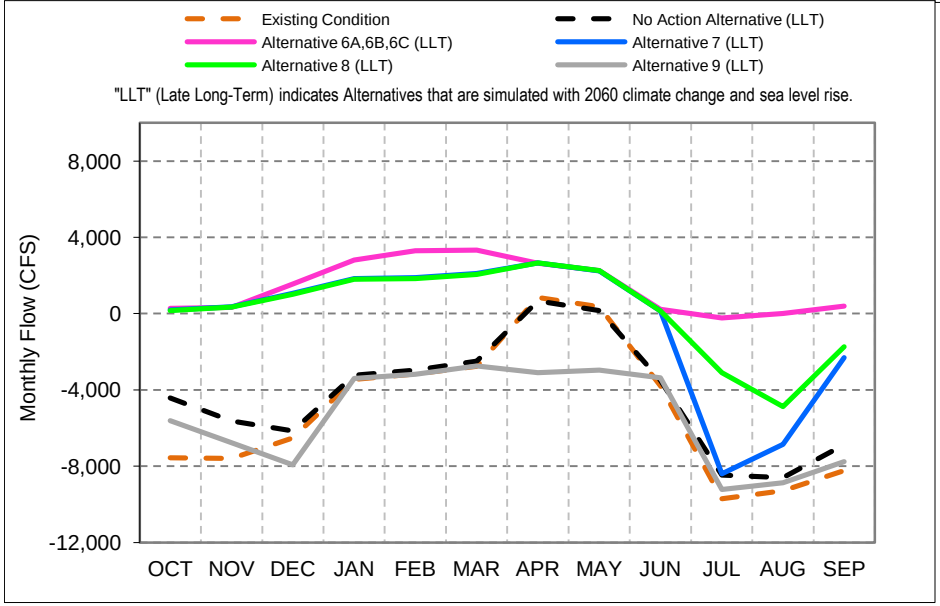
Positive differences highlighted in red indicate eastward movement of X2 position

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

C.9. Old and Middle River Flow



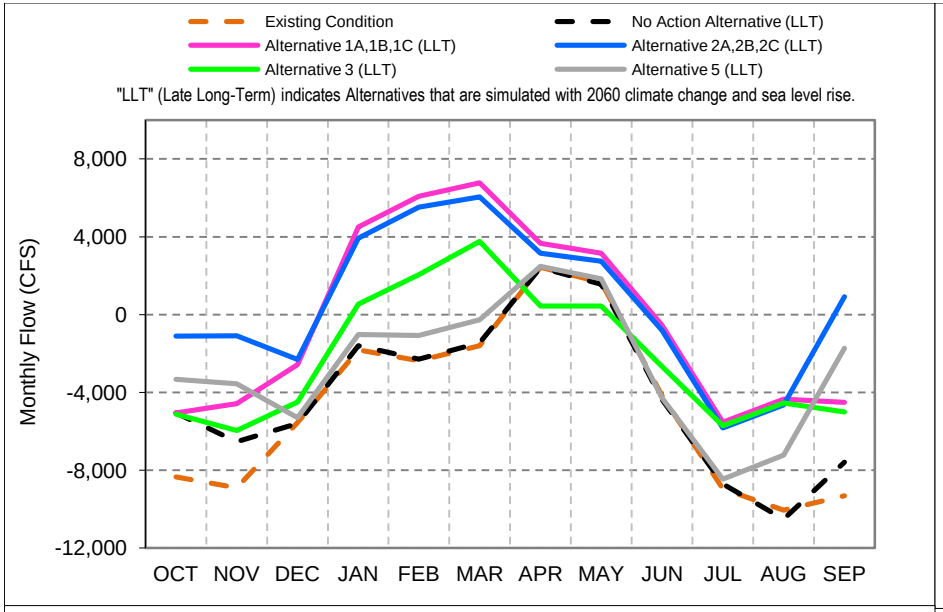


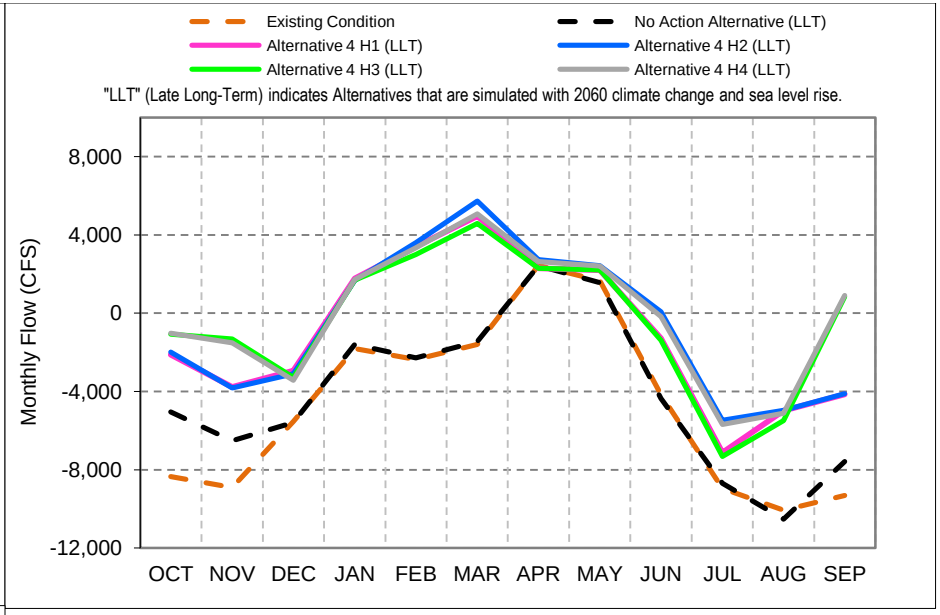


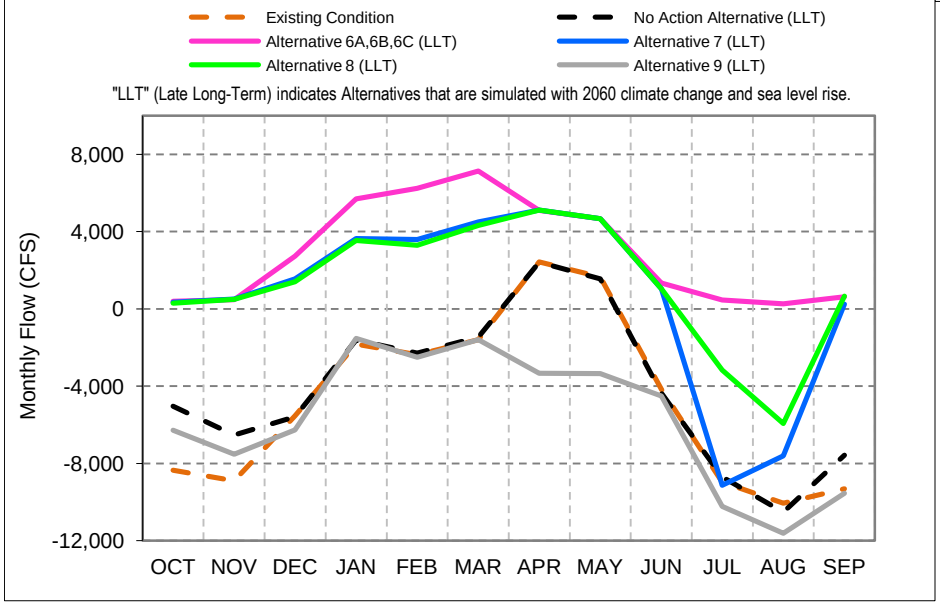
Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-9-1. Old and Middle River, Long-Term Average Flow





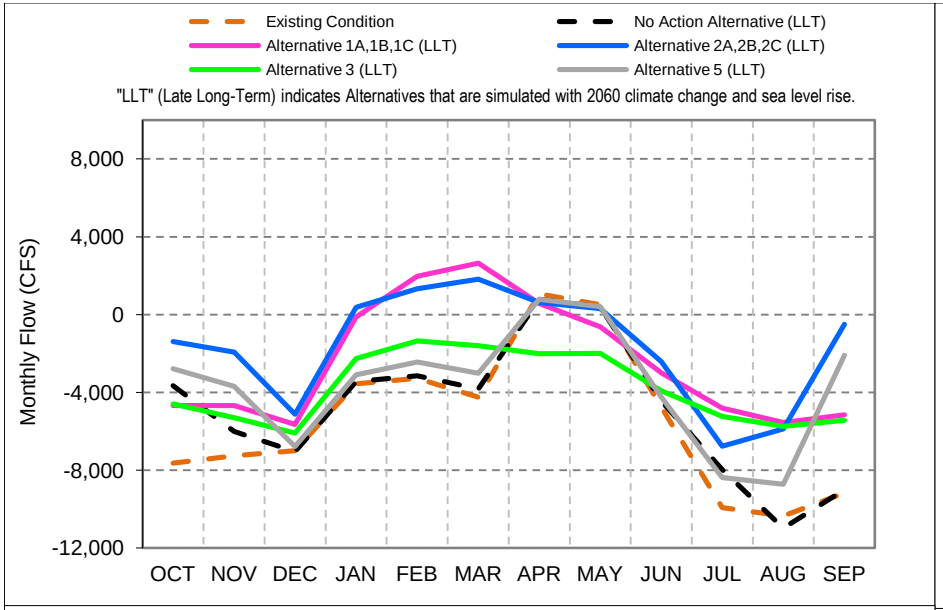


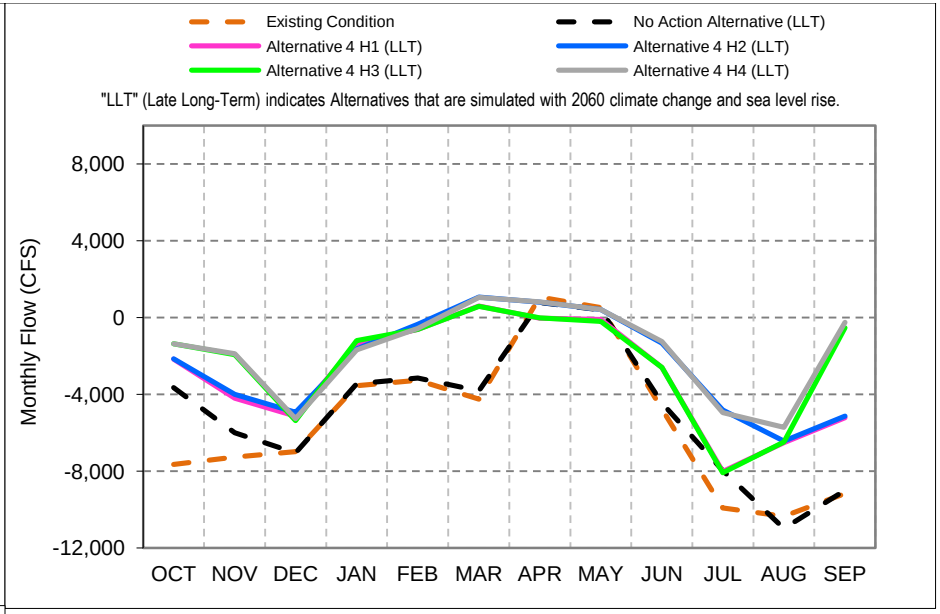
Alternative 4 Scenario Definitions:

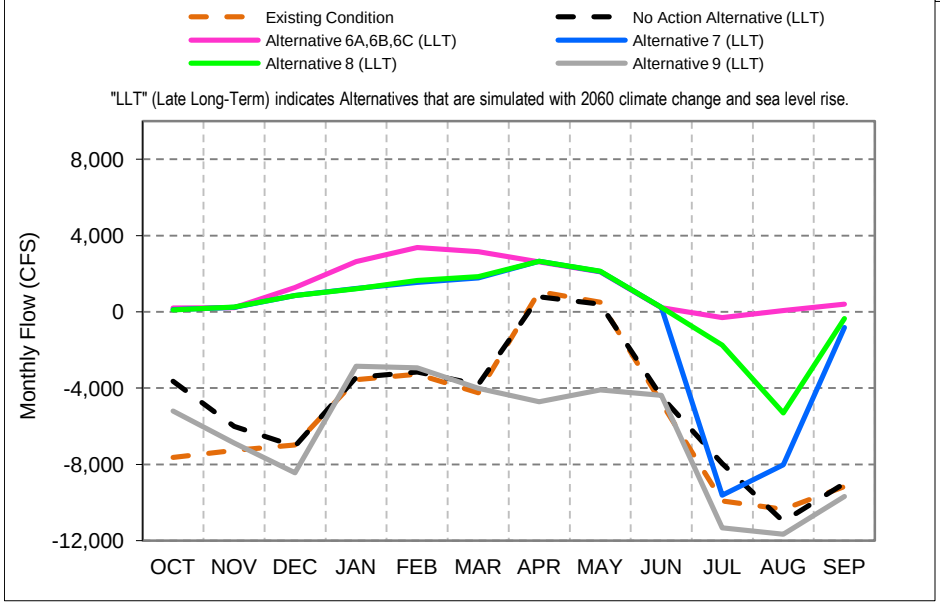
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-9-2. Old and Middle River, Wet Year* Average Flow





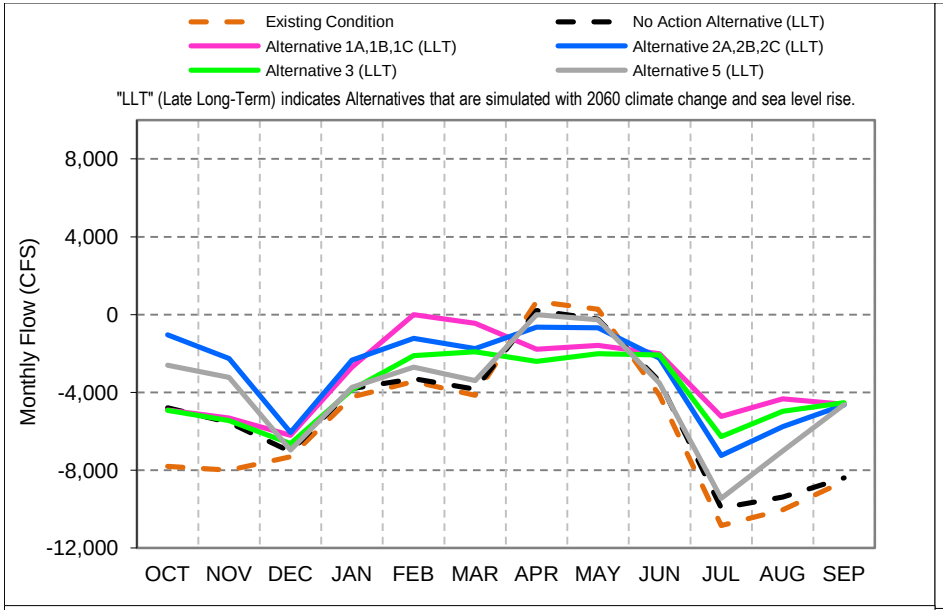


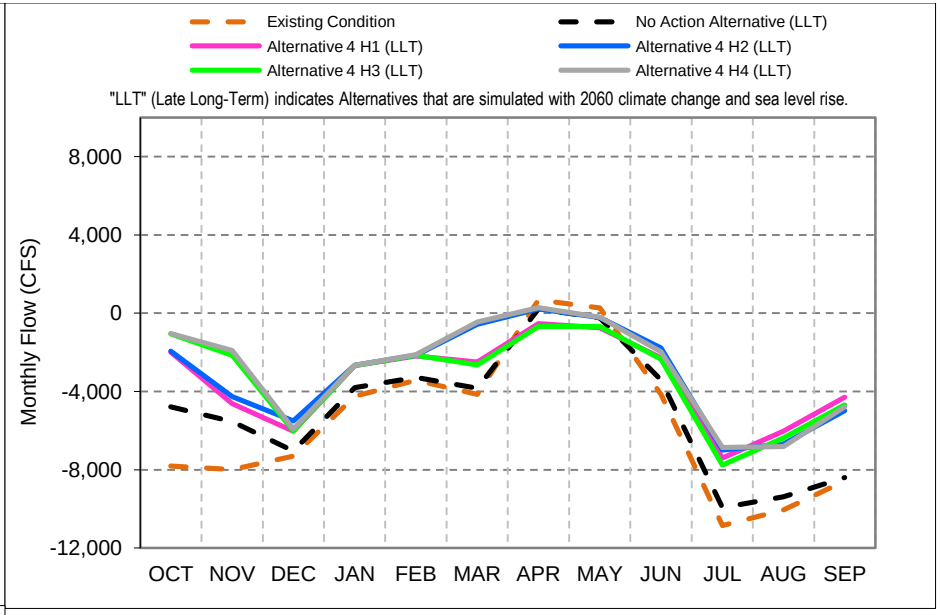
Alternative 4 Scenario Definitions:

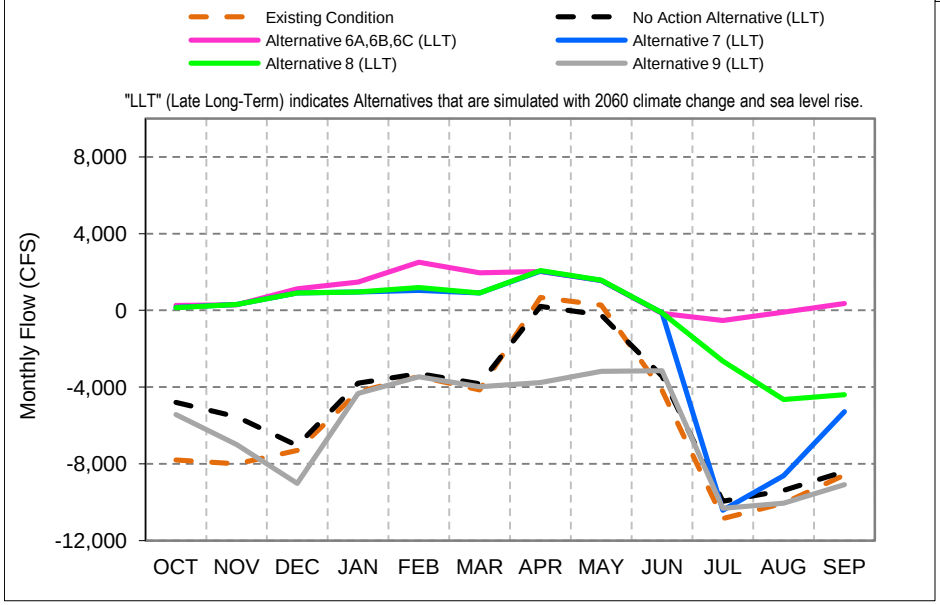
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-9-3. Old and Middle River, Above Normal Year* Average Flow





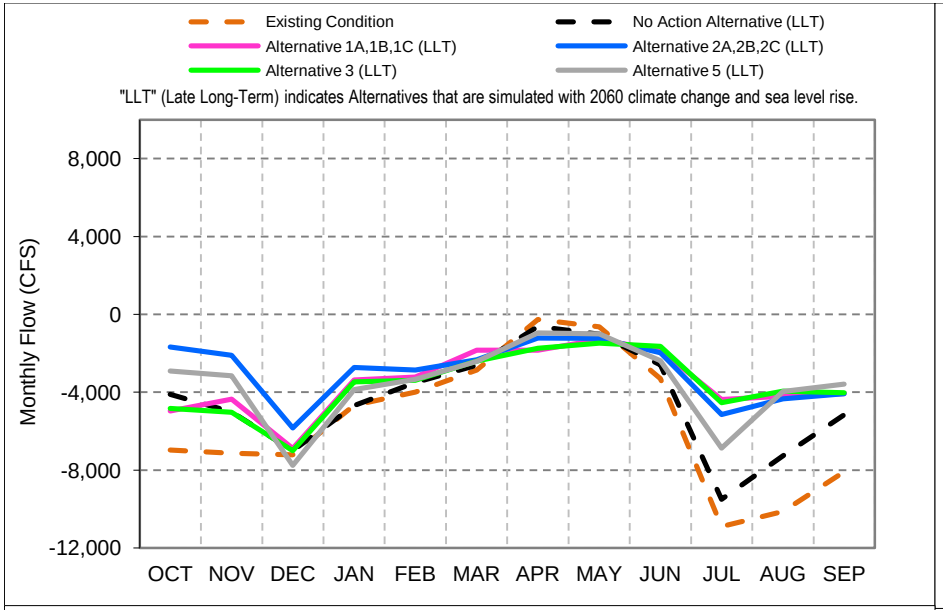


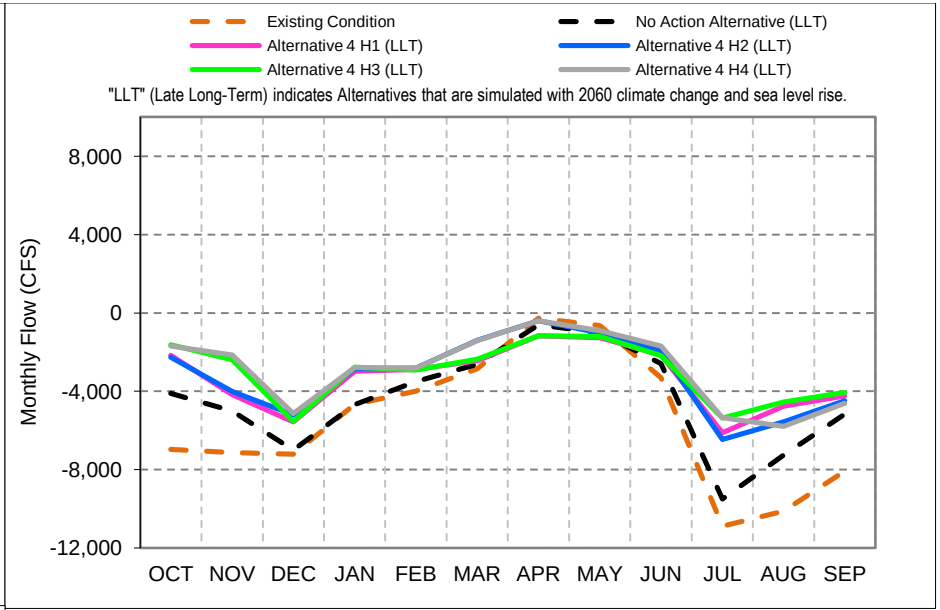
Alternative 4 Scenario Definitions:

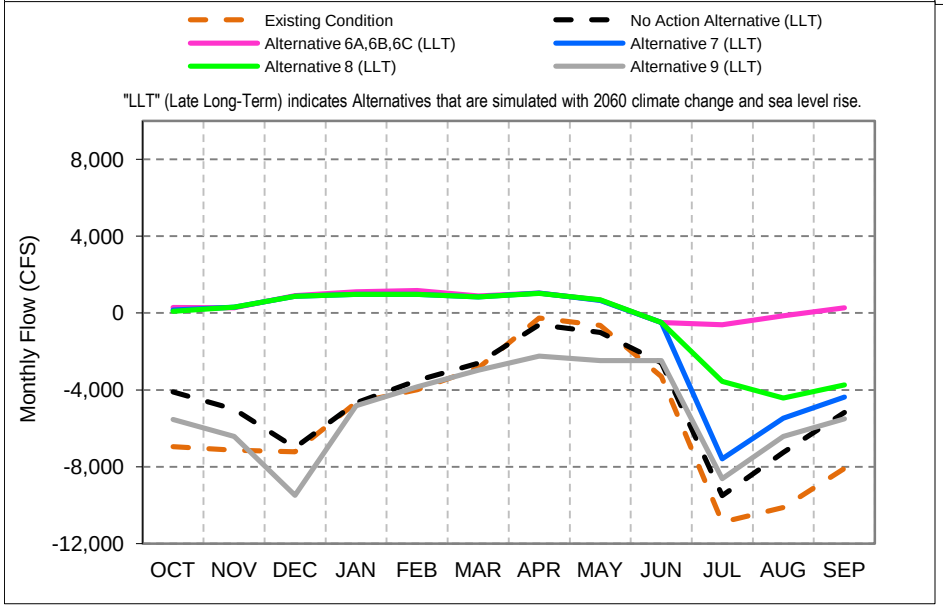
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-9-4. Old and Middle River, Below Normal Year* Average Flow





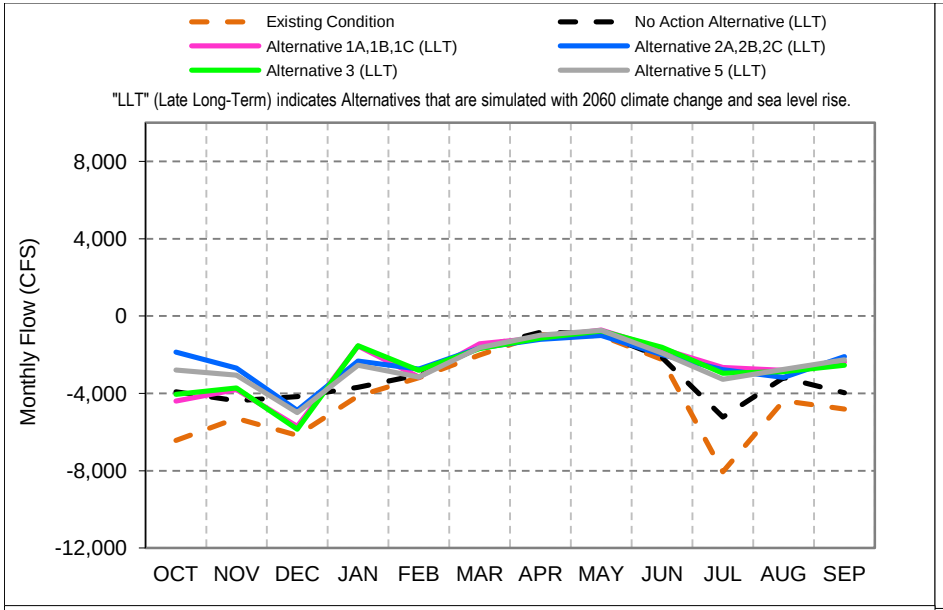


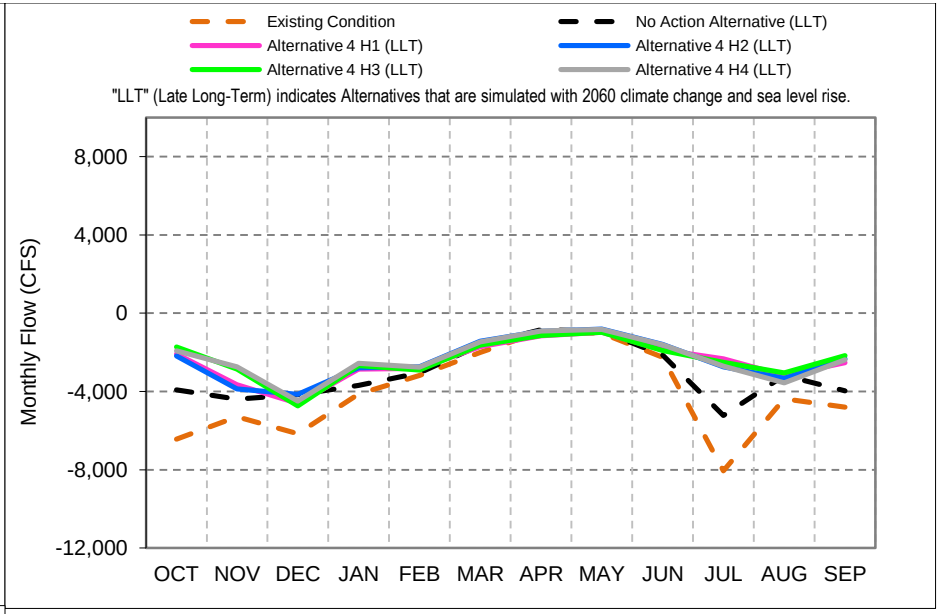
Alternative 4 Scenario Definitions:

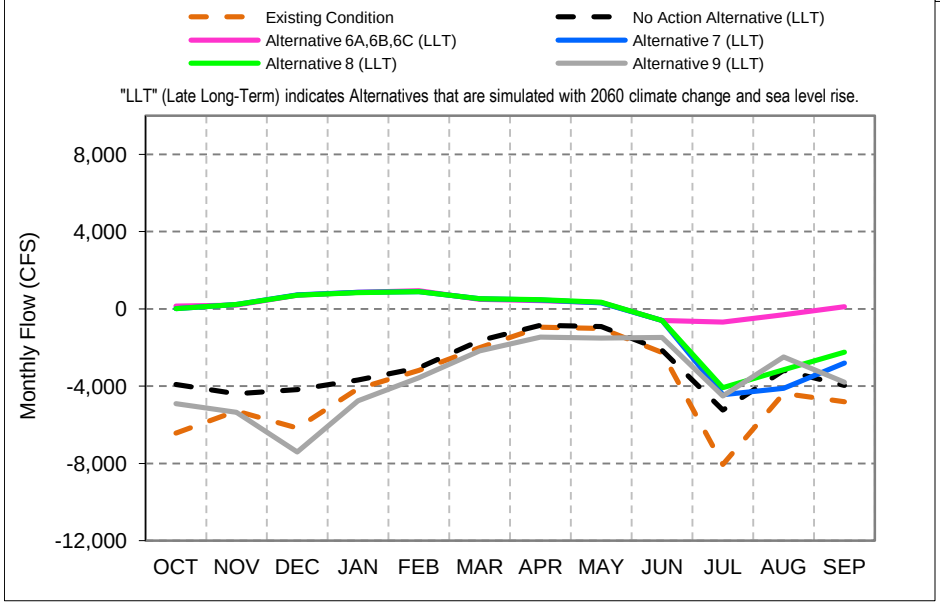
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-9-5. Old and Middle River, Dry Year* Average Flow







Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-9-6. Old and Middle River, Critical Year* Average Flow

Table C-9-1. Old and Middle River, Monthly Flow (combined flows)

Existing Condition

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	-4,618	-4,270	-4,565	-2,655	-762	-363	2,971	2,074	-1,975	-6,617	-4,549	-4,506
20%	-5,648	-5,724	-5,732	-2,823	-2,364	-1,502	1,699	1,007	-2,352	-8,794	-7,783	-7,161
30%	-6,484	-6,315	-5,871	-3,355	-2,822	-2,093	1,431	682	-3,500	-9,467	-9,742	-8,126
40%	-7,003	-7,247	-5,871	-3,355	-3,500	-3,500	1,053	491	-3,500	-10,209	-10,283	-8,443
50%	-8,028	-8,161	-5,871	-4,710	-4,181	-3,680	663	67	-3,580	-10,681	-10,406	-8,898
60%	-8,607	-8,772	-6,901	-4,851	-4,912	-4,556	172	-190	-4,980	-10,971	-10,594	-9,188
70%	-9,200	-9,620	-7,822	-5,000	-5,000	-5,000	-208	-465	-5,000	-11,120	-10,760	-9,559
80%	-9,696	-9,809	-8,913	-5,000	-5,000	-5,000	-403	-690	-5,000	-11,187	-10,846	-9,742
90%	-9,984	-9,896	-9,357	-5,000	-5,000	-5,000	-1,005	-1,150	-5,000	-11,274	-10,975	-9,912
Long Term												
Full Simulation Period[a]	-7,568	-7,592	-6,513	-3,449	-3,158	-2,758	843	353	-3,780	-9,715	-9,283	-8,236
Water Year Types[b]												
Wet (32%)	-8,347	-8,902	-5,542	-1,820	-2,365	-1,600	2,431	1,651	-4,164	-8,959	-10,062	-9,317
Above Normal (15%)	-7,643	-7,264	-6,987	-3,553	-3,274	-4,251	1,058	509	-4,761	-9,919	-10,348	-9,163
Below Normal (17%)	-7,804	-7,997	-7,304	-4,240	-3,437	-4,147	677	272	-4,154	-10,853	-10,044	-8,575
Dry (22%)	-6,961	-7,136	-7,214	-4,664	-3,986	-2,852	-268	-647	-3,301	-10,891	-10,122	-8,081
Critical (15%)	-6,440	-5,294	-6,166	-4,130	-3,191	-2,010	-950	-1,020	-2,250	-8,058	-4,384	-4,807

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	-2,307	-2,732	-3,112	-1,913	-666	-516	3,341	2,388	-2,020	-3,934	-3,518	-3,951
20%	-3,130	-4,028	-4,127	-2,823	-2,240	-1,174	1,905	951	-2,077	-6,321	-6,590	-4,345
30%	-3,797	-4,322	-5,637	-3,355	-2,758	-1,985	1,349	482	-2,930	-7,738	-7,556	-4,939
40%	-4,116	-4,530	-5,871	-3,355	-3,500	-2,878	717	286	-3,500	-8,482	-9,121	-5,886
50%	-4,584	-5,080	-5,871	-4,369	-3,609	-3,500	339	-57	-3,500	-9,418	-9,988	-6,803
60%	-4,937	-5,801	-6,242	-4,710	-4,186	-4,052	-211	-447	-3,500	-9,958	-10,512	-7,936
70%	-5,246	-6,425	-8,125	-4,782	-5,000	-5,000	-546	-928	-4,440	-10,277	-10,789	-8,494
80%	-5,581	-7,019	-8,982	-5,000	-5,000	-5,000	-889	-1,150	-5,000	-10,476	-11,021	-9,618
90%	-6,035	-9,856	-9,559	-5,000	-5,000	-5,000	-1,134	-1,359	-5,000	-10,914	-11,161	-10,135
Long Term												
Full Simulation Period[a]	-4,427	-5,636	-6,155	-3,228	-2,964	-2,487	659	155	-3,504	-8,473	-8,604	-6,868
Water Year Types[b]												
Wet (32%)	-5,049	-6,527	-5,591	-1,606	-2,293	-1,454	2,415	1,555	-4,369	-8,699	-10,518	-7,580
Above Normal (15%)	-3,648	-6,003	-7,050	-3,446	-3,147	-3,815	787	396	-4,454	-7,962	-10,985	-9,002
Below Normal (17%)	-4,793	-5,542	-7,040	-3,803	-3,290	-3,834	214	-237	-3,420	-9,942	-9,374	-8,392
Dry (22%)	-4,103	-5,007	-7,006	-4,675	-3,502	-2,614	-615	-1,010	-2,592	-9,505	-7,259	-5,165
Critical (15%)	-3,920	-4,389	-4,173	-3,684	-3,047	-1,636	-845	-911	-2,143	-5,234	-3,192	-3,966

No Action Alternative (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	2,311	1,537	1,454	741	96	**-154**	369	314	**-46**	2,684	1,031	555
20%	2,518	1,696	1,606	0	125	327	206	**-56**	275	2,473	1,193	2,816
30%	2,687	1,992	234	**0**	65	107	**-82**	**-200**	570	1,729	2,186	3,187
40%	2,888	2,717	0	0	0	622	**-336**	**-204**	0	1,727	1,162	2,557
50%	3,443	3,081	0	341	572	180	**-325**	**-124**	80	1,264	417	2,095
60%	3,669	2,971	660	142	726	504	**-383**	**-257**	1,480	1,014	81	1,252
70%	3,953	3,195	**-302**	218	0	0	**-338**	**-462**	560	842	**-29**	1,064
80%	4,115	2,790	**-69**	0	0	0	**-486**	**-461**	0	711	**-175**	123
90%	3,949	40	**-202**	0	0	0	**-129**	**-209**	0	361	**-186**	**-223**
Long Term												
Full Simulation Period[a]	3,140	1,956	357	221	194	271	**-185**	**-198**	276	1,242	680	1,369
Water Year Types[b]												
Wet (32%)	3,298	2,375	**-50**	214	72	147	**-16**	**-96**	**-205**	259	**-456**	1,736
Above Normal (15%)	3,994	1,261	**-63**	106	128	437	**-271**	**-114**	307	1,957	**-636**	161
Below Normal (17%)	3,011	2,454	264	437	147	313	**-463**	**-509**	734	911	670	183
Dry (22%)	2,857	2,130	208	**-12**	484	239	**-347**	**-363**	709	1,386	2,863	2,916
Critical (15%)	2,520	904	1,993	445	144	374	105	108	107	2,824	1,193	841

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-9-2. Old and Middle River, Monthly Flow (combined flows)

Existing Condition

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	-4,618	-4,270	-4,565	-2,655	-762	-363	2,971	2,074	-1,975	-6,617	-4,549	-4,506
20%	-5,648	-5,724	-5,732	-2,823	-2,364	-1,502	1,699	1,007	-2,352	-8,794	-7,783	-7,161
30%	-6,484	-6,315	-5,871	-3,355	-2,822	-2,093	1,431	682	-3,500	-9,467	-9,742	-8,126
40%	-7,003	-7,247	-5,871	-3,355	-3,500	-3,500	1,053	491	-3,500	-10,209	-10,283	-8,443
50%	-8,028	-8,161	-5,871	-4,710	-4,181	-3,680	663	67	-3,580	-10,681	-10,406	-8,898
60%	-8,607	-8,772	-6,901	-4,851	-4,912	-4,556	172	-190	-4,980	-10,971	-10,594	-9,188
70%	-9,200	-9,620	-7,822	-5,000	-5,000	-5,000	-208	-465	-5,000	-11,120	-10,760	-9,559
80%	-9,696	-9,809	-8,913	-5,000	-5,000	-5,000	-403	-690	-5,000	-11,187	-10,846	-9,742
90%	-9,984	-9,896	-9,357	-5,000	-5,000	-5,000	-1,005	-1,150	-5,000	-11,274	-10,975	-9,912
Long Term												
Full Simulation Period[a]	-7,568	-7,592	-6,513	-3,449	-3,158	-2,758	843	353	-3,780	-9,715	-9,283	-8,236
Water Year Types[b]												
Wet (32%)	-8,347	-8,902	-5,542	-1,820	-2,365	-1,600	2,431	1,651	-4,164	-8,959	-10,062	-9,317
Above Normal (15%)	-7,643	-7,264	-6,987	-3,553	-3,274	-4,251	1,058	509	-4,761	-9,919	-10,348	-9,163
Below Normal (17%)	-7,804	-7,997	-7,304	-4,240	-3,437	-4,147	677	272	-4,154	-10,853	-10,044	-8,575
Dry (22%)	-6,961	-7,136	-7,214	-4,664	-3,986	-2,852	-268	-647	-3,301	-10,891	-10,122	-8,081
Critical (15%)	-6,440	-5,294	-6,166	-4,130	-3,191	-2,010	-950	-1,020	-2,250	-8,058	-4,384	-4,807

Alternative 1A,1B,1C (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	-2,316	-2,530	-144	5,328	7,094	7,734	6,593	5,372	408	-1,466	-2,503	-2,073
20%	-3,436	-3,844	-2,492	2,314	3,879	4,267	2,669	1,076	-461	-2,067	-2,814	-3,649
30%	-4,063	-4,294	-3,868	809	2,573	3,195	1,174	-89	-1,236	-2,817	-3,013	-4,172
40%	-4,735	-4,493	-5,280	-589	1,532	1,135	-628	-647	-1,664	-3,794	-3,478	-4,393
50%	-5,357	-4,725	-5,871	-1,100	539	-4	-1,150	-1,079	-1,878	-4,280	-3,866	-4,616
60%	-5,686	-5,008	-5,980	-2,791	-1,164	-774	-1,427	-1,150	-2,057	-4,927	-4,097	-4,820
70%	-5,997	-5,278	-7,595	-2,868	-2,617	-1,311	-1,969	-1,150	-2,311	-5,544	-4,439	-4,966
80%	-6,175	-5,536	-9,060	-4,062	-3,489	-2,193	-2,317	-1,695	-3,500	-6,333	-5,231	-5,230
90%	-6,582	-6,363	-9,770	-5,000	-4,979	-2,823	-2,732	-2,639	-3,500	-9,346	-6,150	-5,642
Long Term												
Full Simulation Period[a]	-4,854	-4,555	-5,046	-13	1,049	1,844	379	246	-1,605	-4,699	-4,261	-4,214
Water Year Types[b]												
Wet (32%)	-5,048	-4,575	-2,570	4,510	6,082	6,776	3,673	3,149	-540	-5,531	-4,342	-4,507
Above Normal (15%)	-4,681	-4,678	-5,652	-115	1,971	2,649	579	-625	-2,990	-4,806	-5,549	-5,149
Below Normal (17%)	-4,899	-5,311	-6,209	-2,695	2	-454	-1,777	-1,583	-2,008	-5,238	-4,328	-4,606
Dry (22%)	-4,963	-4,352	-6,878	-3,362	-3,217	-1,843	-1,832	-1,296	-1,840	-4,365	-4,205	-4,082
Critical (15%)	-4,393	-3,808	-5,701	-1,556	-3,158	-1,433	-1,124	-730	-1,706	-2,661	-2,801	-2,384

Alternative 1A,1B,1C (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	2,301	1,739	4,421	7,982	7,855	8,096	3,622	3,298	2,383	5,152	2,047	2,433
20%	2,212	1,880	3,240	5,137	6,243	5,768	970	70	1,891	6,727	4,968	3,511
30%	2,421	2,021	2,003	4,164	5,396	5,288	**-257**	**-771**	2,264	6,650	6,729	3,954
40%	2,268	2,755	590	2,766	5,032	4,635	**-1,681**	**-1,137**	1,836	6,415	6,805	4,050
50%	2,671	3,435	0	3,609	4,720	3,675	**-1,814**	**-1,146**	1,702	6,401	6,540	4,282
60%	2,921	3,764	921	2,060	3,748	3,782	**-1,599**	**-960**	2,923	6,045	6,496	4,369
70%	3,203	4,342	228	2,132	2,383	3,689	**-1,761**	**-685**	2,689	5,576	6,321	4,593
80%	3,521	4,273	**-147**	938	1,511	2,807	**-1,915**	**-1,005**	1,500	4,854	5,615	4,512
90%	3,402	3,533	**-413**	0	21	2,177	**-1,726**	**-1,488**	1,500	1,929	4,825	4,269
Long Term												
Full Simulation Period[a]	2,714	3,038	1,466	3,436	4,207	4,602	**-464**	**-108**	2,175	5,016	5,023	4,022
Water Year Types[b]												
Wet (32%)	3,299	4,327	2,972	6,330	8,447	8,376	1,241	1,498	3,624	3,428	5,721	4,810
Above Normal (15%)	2,962	2,586	1,335	3,438	5,246	6,900	**-479**	**-1,134**	1,771	5,113	4,799	4,014
Below Normal (17%)	2,906	2,685	1,095	1,544	3,439	3,693	**-2,454**	**-1,855**	2,146	5,615	5,716	3,970
Dry (22%)	1,998	2,784	336	1,302	768	1,009	**-1,564**	**-649**	1,460	6,526	5,917	3,999
Critical (15%)	2,047	1,485	465	2,574	33	578	**-174**	290	544	5,397	1,583	2,422

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-9-3. Old and Middle River, Monthly Flow (combined flows)

Existing Condition

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	-4,618	-4,270	-4,565	-2,655	-762	-363	2,971	2,074	-1,975	-6,617	-4,549	-4,506
20%	-5,648	-5,724	-5,732	-2,823	-2,364	-1,502	1,699	1,007	-2,352	-8,794	-7,783	-7,161
30%	-6,484	-6,315	-5,871	-3,355	-2,822	-2,093	1,431	682	-3,500	-9,467	-9,742	-8,126
40%	-7,003	-7,247	-5,871	-3,355	-3,500	-3,500	1,053	491	-3,500	-10,209	-10,283	-8,443
50%	-8,028	-8,161	-5,871	-4,710	-4,181	-3,680	663	67	-3,580	-10,681	-10,406	-8,898
60%	-8,607	-8,772	-6,901	-4,851	-4,912	-4,556	172	-190	-4,980	-10,971	-10,594	-9,188
70%	-9,200	-9,620	-7,822	-5,000	-5,000	-5,000	-208	-465	-5,000	-11,120	-10,760	-9,559
80%	-9,696	-9,809	-8,913	-5,000	-5,000	-5,000	-403	-690	-5,000	-11,187	-10,846	-9,742
90%	-9,984	-9,896	-9,357	-5,000	-5,000	-5,000	-1,005	-1,150	-5,000	-11,274	-10,975	-9,912
Long Term												
Full Simulation Period[a]	-7,568	-7,592	-6,513	-3,449	-3,158	-2,758	843	353	-3,780	-9,715	-9,283	-8,236
Water Year Types[b]												
Wet (32%)	-8,347	-8,902	-5,542	-1,820	-2,365	-1,600	2,431	1,651	-4,164	-8,959	-10,062	-9,317
Above Normal (15%)	-7,643	-7,264	-6,987	-3,553	-3,274	-4,251	1,058	509	-4,761	-9,919	-10,348	-9,163
Below Normal (17%)	-7,804	-7,997	-7,304	-4,240	-3,437	-4,147	677	272	-4,154	-10,853	-10,044	-8,575
Dry (22%)	-6,961	-7,136	-7,214	-4,664	-3,986	-2,852	-268	-647	-3,301	-10,891	-10,122	-8,081
Critical (15%)	-6,440	-5,294	-6,166	-4,130	-3,191	-2,010	-950	-1,020	-2,250	-8,058	-4,384	-4,807

Alternative 2A,2B,2C (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	450	1,010	-334	5,171	7,008	7,737	3,799	2,924	0	-1,765	-2,858	896
20%	22	852	-3,266	1,085	2,455	2,256	1,605	431	-925	-2,635	-3,002	750
30%	-401	737	-4,129	0	1,607	1,612	567	116	-1,246	-4,018	-3,475	606
40%	-1,729	636	-4,392	-703	805	229	274	-72	-1,794	-4,718	-3,906	344
50%	-2,012	-3,496	-5,242	-866	-663	-738	94	-182	-2,033	-5,334	-4,325	-1,538
60%	-2,111	-3,840	-5,387	-2,209	-1,523	-1,288	-346	-717	-2,187	-5,952	-4,889	-3,690
70%	-2,290	-4,000	-6,365	-3,069	-2,776	-2,100	-1,150	-1,150	-2,665	-6,713	-5,301	-4,016
80%	-2,349	-4,440	-7,764	-3,500	-3,521	-2,823	-1,641	-1,179	-3,500	-8,170	-5,829	-4,394
90%	-2,422	-5,000	-8,000	-4,000	-4,000	-3,500	-2,000	-1,358	-3,500	-9,701	-7,839	-4,783
Long Term												
Full Simulation Period[a]	-1,371	-1,867	-4,509	-40	709	1,129	536	380	-1,721	-5,611	-4,731	-1,773
Water Year Types[b]												
Wet (32%)	-1,100	-1,092	-2,306	3,921	5,529	6,044	3,148	2,741	-818	-5,831	-4,636	918
Above Normal (15%)	-1,383	-1,929	-5,122	370	1,323	1,821	618	304	-2,420	-6,768	-5,883	-495
Below Normal (17%)	-1,045	-2,253	-6,057	-2,333	-1,215	-1,752	-650	-681	-2,241	-7,235	-5,765	-4,639
Dry (22%)	-1,675	-2,098	-5,827	-2,729	-2,863	-2,335	-1,216	-1,231	-1,974	-5,150	-4,334	-4,068
Critical (15%)	-1,871	-2,688	-4,884	-2,328	-2,746	-1,652	-1,196	-1,007	-1,994	-2,774	-3,173	-2,099

Alternative 2A,2B,2C (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	5,068	5,280	4,231	7,826	7,770	8,100	828	850	1,975	4,852	1,692	5,402
20%	5,669	6,576	2,466	3,907	4,820	3,758	**-94**	**-576**	1,427	6,158	4,781	7,911
30%	6,083	7,052	1,742	3,355	4,430	3,704	**-864**	**-566**	2,254	5,449	6,267	8,731
40%	5,274	7,884	1,479	2,651	4,305	3,729	**-779**	**-562**	1,706	5,491	6,377	8,787
50%	6,016	4,665	629	3,844	3,517	2,941	**-569**	**-249**	1,548	5,347	6,081	7,360
60%	6,495	4,932	1,514	2,642	3,389	3,268	**-518**	**-526**	2,793	5,019	5,705	5,498
70%	6,910	5,620	1,458	1,931	2,224	2,900	**-943**	**-685**	2,335	4,407	5,458	5,542
80%	7,347	5,368	1,149	1,500	1,479	2,177	**-1,238**	**-489**	1,500	3,018	5,017	5,348
90%	7,562	4,896	1,357	1,000	1,000	1,500	**-995**	**-208**	1,500	1,573	3,136	5,128
Long Term												
Full Simulation Period[a]	6,197	5,725	2,004	3,408	3,866	3,887	**-308**	27	2,059	4,104	4,553	6,463
Water Year Types[b]												
Wet (32%)	7,246	7,810	3,236	5,741	7,894	7,644	717	1,090	3,346	3,128	5,426	10,235
Above Normal (15%)	6,260	5,335	1,865	3,922	4,597	6,072	**-440**	**-205**	2,341	3,151	4,466	8,668
Below Normal (17%)	6,759	5,743	1,246	1,907	2,222	2,395	**-1,327**	**-952**	1,913	3,617	4,280	3,937
Dry (22%)	5,286	5,038	1,387	1,935	1,122	518	**-948**	**-585**	1,326	5,741	5,788	4,014
Critical (15%)	4,570	2,606	1,282	1,802	445	358	**-246**	13	255	5,284	1,211	2,708

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-9-4. Old and Middle River, Monthly Flow (combined flows)

Existing Condition

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	-4,618	-4,270	-4,565	-2,655	-762	-363	2,971	2,074	-1,975	-6,617	-4,549	-4,506
20%	-5,648	-5,724	-5,732	-2,823	-2,364	-1,502	1,699	1,007	-2,352	-8,794	-7,783	-7,161
30%	-6,484	-6,315	-5,871	-3,355	-2,822	-2,093	1,431	682	-3,500	-9,467	-9,742	-8,126
40%	-7,003	-7,247	-5,871	-3,355	-3,500	-3,500	1,053	491	-3,500	-10,209	-10,283	-8,443
50%	-8,028	-8,161	-5,871	-4,710	-4,181	-3,680	663	67	-3,580	-10,681	-10,406	-8,898
60%	-8,607	-8,772	-6,901	-4,851	-4,912	-4,556	172	-190	-4,980	-10,971	-10,594	-9,188
70%	-9,200	-9,620	-7,822	-5,000	-5,000	-5,000	-208	-465	-5,000	-11,120	-10,760	-9,559
80%	-9,696	-9,809	-8,913	-5,000	-5,000	-5,000	-403	-690	-5,000	-11,187	-10,846	-9,742
90%	-9,984	-9,896	-9,357	-5,000	-5,000	-5,000	-1,005	-1,150	-5,000	-11,274	-10,975	-9,912
Long Term												
Full Simulation Period[a]	-7,568	-7,592	-6,513	-3,449	-3,158	-2,758	843	353	-3,780	-9,715	-9,283	-8,236
Water Year Types[b]												
Wet (32%)	-8,347	-8,902	-5,542	-1,820	-2,365	-1,600	2,431	1,651	-4,164	-8,959	-10,062	-9,317
Above Normal (15%)	-7,643	-7,264	-6,987	-3,553	-3,274	-4,251	1,058	509	-4,761	-9,919	-10,348	-9,163
Below Normal (17%)	-7,804	-7,997	-7,304	-4,240	-3,437	-4,147	677	272	-4,154	-10,853	-10,044	-8,575
Dry (22%)	-6,961	-7,136	-7,214	-4,664	-3,986	-2,852	-268	-647	-3,301	-10,891	-10,122	-8,081
Critical (15%)	-6,440	-5,294	-6,166	-4,130	-3,191	-2,010	-950	-1,020	-2,250	-8,058	-4,384	-4,807

Alternative 3 (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	-2,295	-2,590	-2,701	231	1,976	4,812	2,393	1,512	-810	-1,500	-2,473	-2,718
20%	-3,210	-4,349	-4,035	-821	879	1,163	-466	-513	-1,269	-1,948	-2,785	-3,642
30%	-4,305	-4,641	-5,406	-1,926	-532	-138	-1,150	-1,033	-1,553	-2,985	-2,996	-4,174
40%	-4,675	-4,792	-5,871	-2,823	-1,696	-980	-1,150	-1,150	-1,688	-3,841	-3,553	-4,316
50%	-5,165	-4,994	-5,871	-2,998	-2,666	-1,652	-1,643	-1,150	-1,949	-4,748	-3,865	-4,513
60%	-5,449	-5,366	-6,352	-3,355	-2,797	-2,390	-2,000	-1,519	-2,869	-5,280	-4,234	-4,737
70%	-5,898	-5,728	-7,688	-3,481	-3,500	-2,919	-2,331	-2,001	-3,500	-5,959	-4,961	-4,943
80%	-6,166	-6,317	-9,007	-4,710	-4,295	-3,500	-2,769	-2,499	-3,500	-7,670	-5,816	-5,189
90%	-6,596	-7,717	-9,412	-5,000	-5,000	-3,500	-3,146	-3,047	-4,817	-10,321	-6,269	-5,788
Long Term												
Full Simulation Period[a]	-4,789	-5,243	-5,845	-1,807	-1,058	-135	-1,114	-934	-2,369	-5,080	-4,416	-4,411
Water Year Types[b]												
Wet (32%)	-5,121	-5,959	-4,502	532	2,061	3,772	438	434	-2,663	-5,716	-4,552	-5,003
Above Normal (15%)	-4,602	-5,307	-6,087	-2,261	-1,359	-1,592	-2,013	-1,997	-3,918	-5,241	-5,739	-5,430
Below Normal (17%)	-4,918	-5,443	-6,635	-3,853	-2,104	-1,910	-2,398	-2,003	-2,077	-6,272	-4,964	-4,533
Dry (22%)	-4,826	-5,030	-7,006	-3,466	-3,384	-2,391	-1,740	-1,481	-1,640	-4,542	-3,939	-4,031
Critical (15%)	-4,051	-3,714	-5,849	-1,542	-2,809	-1,687	-1,140	-767	-1,616	-2,958	-2,872	-2,536

Alternative 3 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	2,323	1,680	1,864	2,885	2,737	5,175	**-578**	**-562**	1,165	5,117	2,077	1,788
20%	2,437	1,375	1,697	2,001	3,243	2,665	**-2,164**	**-1,520**	1,082	6,846	4,997	3,519
30%	2,179	1,673	465	1,429	2,291	1,955	**-2,581**	**-1,716**	1,947	6,482	6,746	3,951
40%	2,328	2,455	0	532	1,804	2,520	**-2,204**	**-1,641**	1,812	6,369	6,730	4,126
50%	2,863	3,166	0	1,711	1,515	2,027	**-2,307**	**-1,218**	1,631	5,933	6,540	4,385
60%	3,158	3,406	549	1,497	2,115	2,166	**-2,172**	**-1,329**	2,111	5,691	6,360	4,452
70%	3,302	3,892	134	1,519	1,500	2,081	**-2,123**	**-1,536**	1,500	5,161	5,799	4,615
80%	3,530	3,491	**-95**	290	705	1,500	**-2,366**	**-1,809**	1,500	3,517	5,030	4,553
90%	3,388	2,179	**-55**	0	0	1,500	**-2,141**	**-1,897**	183	953	4,706	4,124
Long Term												
Full Simulation Period[a]	2,779	2,349	668	1,642	2,099	2,623	**-1,957**	**-1,287**	1,411	4,635	4,868	3,826
Water Year Types[b]												
Wet (32%)	3,226	2,943	1,040	2,352	4,426	5,372	**-1,994**	**-1,217**	1,501	3,242	5,510	4,314
Above Normal (15%)	3,041	1,957	900	1,291	1,916	2,659	**-3,071**	**-2,507**	843	4,678	4,610	3,732
Below Normal (17%)	2,886	2,553	669	386	1,333	2,237	**-3,074**	**-2,274**	2,078	4,581	5,080	4,042
Dry (22%)	2,134	2,107	208	1,197	601	461	**-1,472**	**-835**	1,660	6,349	6,184	4,050
Critical (15%)	2,389	1,579	317	2,588	382	324	**-190**	253	634	5,099	1,513	2,271

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-9-5. Old and Middle River, Monthly Flow (combined flows)

Existing Condition

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	-4,618	-4,270	-4,565	-2,655	-762	-363	2,971	2,074	-1,975	-6,617	-4,549	-4,506
20%	-5,648	-5,724	-5,732	-2,823	-2,364	-1,502	1,699	1,007	-2,352	-8,794	-7,783	-7,161
30%	-6,484	-6,315	-5,871	-3,355	-2,822	-2,093	1,431	682	-3,500	-9,467	-9,742	-8,126
40%	-7,003	-7,247	-5,871	-3,355	-3,500	-3,500	1,053	491	-3,500	-10,209	-10,283	-8,443
50%	-8,028	-8,161	-5,871	-4,710	-4,181	-3,680	663	67	-3,580	-10,681	-10,406	-8,898
60%	-8,607	-8,772	-6,901	-4,851	-4,912	-4,556	172	-190	-4,980	-10,971	-10,594	-9,188
70%	-9,200	-9,620	-7,822	-5,000	-5,000	-5,000	-208	-465	-5,000	-11,120	-10,760	-9,559
80%	-9,696	-9,809	-8,913	-5,000	-5,000	-5,000	-403	-690	-5,000	-11,187	-10,846	-9,742
90%	-9,984	-9,896	-9,357	-5,000	-5,000	-5,000	-1,005	-1,150	-5,000	-11,274	-10,975	-9,912
Long Term												
Full Simulation Period[a]	-7,568	-7,592	-6,513	-3,449	-3,158	-2,758	843	353	-3,780	-9,715	-9,283	-8,236
Water Year Types[b]												
Wet (32%)	-8,347	-8,902	-5,542	-1,820	-2,365	-1,600	2,431	1,651	-4,164	-8,959	-10,062	-9,317
Above Normal (15%)	-7,643	-7,264	-6,987	-3,553	-3,274	-4,251	1,058	509	-4,761	-9,919	-10,348	-9,163
Below Normal (17%)	-7,804	-7,997	-7,304	-4,240	-3,437	-4,147	677	272	-4,154	-10,853	-10,044	-8,575
Dry (22%)	-6,961	-7,136	-7,214	-4,664	-3,986	-2,852	-268	-647	-3,301	-10,891	-10,122	-8,081
Critical (15%)	-6,440	-5,294	-6,166	-4,130	-3,191	-2,010	-950	-1,020	-2,250	-8,058	-4,384	-4,807

Alternative 4 H1 (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	-1,749	-2,776	-2,021	980	3,337	5,734	2,469	1,979	-377	-1,808	-2,859	-2,373
20%	-2,044	-3,703	-3,936	-638	1,254	1,349	663	382	-1,093	-2,440	-3,317	-3,404
30%	-2,095	-3,944	-4,170	-822	0	0	348	52	-1,318	-3,857	-3,558	-3,909
40%	-2,114	-4,189	-4,339	-1,721	-734	-295	232	-85	-1,811	-4,879	-3,913	-4,193
50%	-2,177	-4,445	-5,162	-2,823	-2,030	-939	-55	-294	-2,136	-6,226	-4,257	-4,404
60%	-2,222	-4,742	-5,387	-3,355	-2,674	-1,453	-382	-770	-2,184	-7,343	-4,883	-4,563
70%	-2,313	-4,988	-6,035	-3,452	-2,970	-2,687	-1,150	-1,150	-3,451	-8,214	-5,725	-4,752
80%	-2,373	-5,000	-7,228	-3,500	-3,524	-3,000	-1,522	-1,197	-3,500	-9,994	-6,669	-4,911
90%	-2,435	-5,000	-7,914	-4,971	-4,000	-3,500	-2,000	-1,809	-3,500	-11,484	-8,138	-5,470
Long Term												
Full Simulation Period[a]	-2,112	-4,054	-4,607	-1,167	-430	446	205	133	-1,926	-6,380	-5,071	-4,111
Water Year Types[b]												
Wet (32%)	-2,125	-3,778	-2,946	1,767	3,398	4,965	2,299	2,194	-1,281	-7,132	-4,981	-4,142
Above Normal (15%)	-2,165	-4,201	-5,139	-1,351	-610	592	-38	-108	-2,602	-8,020	-6,519	-5,216
Below Normal (17%)	-1,991	-4,621	-6,025	-2,681	-2,187	-2,496	-537	-742	-2,291	-7,396	-6,023	-4,304
Dry (22%)	-2,165	-4,176	-5,556	-2,976	-2,876	-2,449	-1,170	-1,263	-2,154	-6,108	-4,755	-4,235
Critical (15%)	-2,096	-3,656	-4,600	-2,862	-2,821	-1,718	-1,157	-976	-1,881	-2,333	-3,182	-2,529

Alternative 4 H1 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	2,869	1,494	2,544	3,634	4,098	6,097	**-503**	**-95**	1,598	4,810	1,690	2,133
20%	3,603	2,021	1,796	2,185	3,618	2,851	**-1,035**	**-625**	1,259	6,354	4,466	3,757
30%	4,389	2,371	1,701	2,533	2,822	2,093	**-1,083**	**-630**	2,182	5,610	6,184	4,217
40%	4,889	3,059	1,532	1,634	2,766	3,205	**-821**	**-576**	1,689	5,330	6,370	4,250
50%	5,851	3,716	709	1,887	2,151	2,741	**-719**	**-362**	1,444	4,456	6,149	4,494
60%	6,384	4,029	1,514	1,497	2,238	3,102	**-554**	**-579**	2,796	3,629	5,710	4,625
70%	6,886	4,632	1,787	1,548	2,030	2,313	**-943**	**-685**	1,549	2,906	5,034	4,806
80%	7,323	4,809	1,684	1,500	1,476	2,000	**-1,120**	**-507**	1,500	1,193	4,177	4,831
90%	7,549	4,896	1,443	29	1,000	1,500	**-995**	**-658**	1,500	**-210**	2,837	4,441
Long Term												
Full Simulation Period[a]	5,455	3,539	1,905	2,281	2,728	3,204	**-638**	**-220**	1,854	3,335	4,212	4,125
Water Year Types[b]												
Wet (32%)	6,222	5,124	2,596	3,586	5,763	6,565	**-132**	543	2,883	1,827	5,081	5,175
Above Normal (15%)	5,478	3,063	1,849	2,202	2,664	4,843	**-1,097**	**-618**	2,159	1,899	3,829	3,947
Below Normal (17%)	5,813	3,376	1,279	1,558	1,249	1,651	**-1,214**	**-1,013**	1,863	3,456	4,021	4,271
Dry (22%)	4,796	2,960	1,658	1,687	1,109	404	**-902**	**-616**	1,146	4,783	5,368	3,846
Critical (15%)	4,344	1,638	1,567	1,268	370	292	**-207**	44	369	5,724	1,202	2,278

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-9-6. Old and Middle River, Monthly Flow (combined flows)

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-4,618	-4,270	-4,565	-2,655	-762	-363	2,971	2,074	-1,975	-6,617	-4,549	-4,506
20%	-5,648	-5,724	-5,732	-2,823	-2,364	-1,502	1,699	1,007	-2,352	-8,794	-7,783	-7,161
30%	-6,484	-6,315	-5,871	-3,355	-2,822	-2,093	1,431	682	-3,500	-9,467	-9,742	-8,126
40%	-7,003	-7,247	-5,871	-3,355	-3,500	-3,500	1,053	491	-3,500	-10,209	-10,283	-8,443
50%	-8,028	-8,161	-5,871	-4,710	-4,181	-3,680	663	67	-3,580	-10,681	-10,406	-8,898
60%	-8,607	-8,772	-6,901	-4,851	-4,912	-4,556	172	-190	-4,980	-10,971	-10,594	-9,188
70%	-9,200	-9,620	-7,822	-5,000	-5,000	-5,000	-208	-465	-5,000	-11,120	-10,760	-9,559
80%	-9,696	-9,809	-8,913	-5,000	-5,000	-5,000	-403	-690	-5,000	-11,187	-10,846	-9,742
90%	-9,984	-9,896	-9,357	-5,000	-5,000	-5,000	-1,005	-1,150	-5,000	-11,274	-10,975	-9,912
Long Term												
Full Simulation Period[a]	-7,568	-7,592	-6,513	-3,449	-3,158	-2,758	843	353	-3,780	-9,715	-9,283	-8,236
Water Year Types[b]												
Wet (32%)	-8,347	-8,902	-5,542	-1,820	-2,365	-1,600	2,431	1,651	-4,164	-8,959	-10,062	-9,317
Above Normal (15%)	-7,643	-7,264	-6,987	-3,553	-3,274	-4,251	1,058	509	-4,761	-9,919	-10,348	-9,163
Below Normal (17%)	-7,804	-7,997	-7,304	-4,240	-3,437	-4,147	677	272	-4,154	-10,853	-10,044	-8,575
Dry (22%)	-6,961	-7,136	-7,214	-4,664	-3,986	-2,852	-268	-647	-3,301	-10,891	-10,122	-8,081
Critical (15%)	-6,440	-5,294	-6,166	-4,130	-3,191	-2,010	-950	-1,020	-2,250	-8,058	-4,384	-4,807

Alternative 4 H2 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-1,657	-3,263	-2,243	1,222	3,328	6,891	3,081	2,139	70	-1,587	-2,878	-2,169
20%	-2,042	-3,640	-3,709	-515	970	2,149	1,417	827	-208	-2,126	-3,300	-3,692
30%	-2,103	-3,947	-4,043	-779	0	1,227	696	535	-513	-3,144	-3,933	-4,045
40%	-2,142	-4,102	-4,252	-1,496	-619	420	529	286	-787	-4,496	-4,236	-4,277
50%	-2,201	-4,199	-4,712	-2,823	-1,390	0	334	-14	-995	-4,899	-4,938	-4,404
60%	-2,292	-4,383	-5,278	-3,319	-2,625	-443	105	-189	-1,292	-6,172	-6,196	-4,586
70%	-2,339	-4,675	-5,455	-3,355	-2,973	-848	-204	-729	-1,900	-7,128	-6,862	-4,755
80%	-2,378	-4,970	-6,142	-3,500	-3,596	-1,870	-670	-1,132	-2,177	-8,501	-7,311	-5,074
90%	-2,436	-5,000	-7,405	-4,948	-4,000	-2,823	-973	-1,334	-3,238	-9,777	-7,975	-5,777
Long Term												
Full Simulation Period[a]	-2,092	-3,975	-4,394	-1,199	-296	1,357	795	449	-1,133	-5,452	-5,367	-4,231
Water Year Types[b]												
Wet (32%)	-1,984	-3,829	-3,107	1,667	3,604	5,723	2,733	2,422	65	-5,474	-4,974	-4,113
Above Normal (15%)	-2,150	-3,999	-4,927	-1,640	-352	1,057	796	420	-1,337	-4,820	-6,433	-5,139
Below Normal (17%)	-1,943	-4,264	-5,501	-2,660	-2,150	-561	217	-217	-1,784	-6,990	-6,685	-4,984
Dry (22%)	-2,265	-4,010	-5,202	-2,844	-2,822	-1,391	-407	-1,017	-1,914	-6,452	-5,560	-4,479
Critical (15%)	-2,181	-3,878	-4,150	-2,793	-2,738	-1,442	-926	-819	-1,595	-2,743	-3,325	-2,332

Alternative 4 H2 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,960	1,007	2,322	3,876	4,089	7,253	110	65	2,045	5,030	1,671	2,337
20%	3,605	2,084	2,023	2,307	3,334	3,651	**-281**	**-180**	2,144	6,668	4,483	3,469
30%	4,381	2,368	1,828	2,576	2,822	3,319	**-734**	**-147**	2,987	6,323	5,809	4,081
40%	4,861	3,145	1,619	1,859	2,881	3,920	**-524**	**-204**	2,713	5,714	6,047	4,166
50%	5,827	3,961	1,159	1,887	2,791	3,680	**-330**	**-81**	2,586	5,782	5,467	4,494
60%	6,315	4,389	1,623	1,532	2,287	4,113	**-67**	1	3,688	4,799	4,398	4,603
70%	6,861	4,945	2,368	1,645	2,027	4,152	4	**-264**	3,100	3,992	3,898	4,804
80%	7,318	4,838	2,771	1,500	1,404	3,130	**-268**	**-442**	2,823	2,686	3,536	4,668
90%	7,548	4,896	1,952	52	1,000	2,177	33	**-183**	1,762	1,497	3,000	4,135
Long Term												
Full Simulation Period[a]	5,476	3,617	2,118	2,250	2,862	4,115	**-48**	96	2,647	4,263	3,916	4,005
Water Year Types[b]												
Wet (32%)	6,362	5,073	2,435	3,487	5,969	7,324	302	771	4,228	3,485	5,088	5,204
Above Normal (15%)	5,493	3,265	2,061	1,912	2,923	5,308	**-262**	**-90**	3,424	5,099	3,915	4,024
Below Normal (17%)	5,861	3,732	1,803	1,580	1,287	3,586	**-460**	**-489**	2,370	3,863	3,359	3,591
Dry (22%)	4,696	3,127	2,012	1,820	1,164	1,461	**-139**	**-370**	1,386	4,439	4,562	3,602
Critical (15%)	4,260	1,415	2,016	1,337	453	568	25	200	655	5,315	1,059	2,475

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-9-7. Old and Middle River, Monthly Flow (combined flows)

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-4,618	-4,270	-4,565	-2,655	-762	-363	2,971	2,074	-1,975	-6,617	-4,549	-4,506
20%	-5,648	-5,724	-5,732	-2,823	-2,364	-1,502	1,699	1,007	-2,352	-8,794	-7,783	-7,161
30%	-6,484	-6,315	-5,871	-3,355	-2,822	-2,093	1,431	682	-3,500	-9,467	-9,742	-8,126
40%	-7,003	-7,247	-5,871	-3,355	-3,500	-3,500	1,053	491	-3,500	-10,209	-10,283	-8,443
50%	-8,028	-8,161	-5,871	-4,710	-4,181	-3,680	663	67	-3,580	-10,681	-10,406	-8,898
60%	-8,607	-8,772	-6,901	-4,851	-4,912	-4,556	172	-190	-4,980	-10,971	-10,594	-9,188
70%	-9,200	-9,620	-7,822	-5,000	-5,000	-5,000	-208	-465	-5,000	-11,120	-10,760	-9,559
80%	-9,696	-9,809	-8,913	-5,000	-5,000	-5,000	-403	-690	-5,000	-11,187	-10,846	-9,742
90%	-9,984	-9,896	-9,357	-5,000	-5,000	-5,000	-1,005	-1,150	-5,000	-11,274	-10,975	-9,912
Long Term												
Full Simulation Period[a]	-7,568	-7,592	-6,513	-3,449	-3,158	-2,758	843	353	-3,780	-9,715	-9,283	-8,236
Water Year Types[b]												
Wet (32%)	-8,347	-8,902	-5,542	-1,820	-2,365	-1,600	2,431	1,651	-4,164	-8,959	-10,062	-9,317
Above Normal (15%)	-7,643	-7,264	-6,987	-3,553	-3,274	-4,251	1,058	509	-4,761	-9,919	-10,348	-9,163
Below Normal (17%)	-7,804	-7,997	-7,304	-4,240	-3,437	-4,147	677	272	-4,154	-10,853	-10,044	-8,575
Dry (22%)	-6,961	-7,136	-7,214	-4,664	-3,986	-2,852	-268	-647	-3,301	-10,891	-10,122	-8,081
Critical (15%)	-6,440	-5,294	-6,166	-4,130	-3,191	-2,010	-950	-1,020	-2,250	-8,058	-4,384	-4,807

Alternative 4 H3 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	452	994	-2,222	462	2,766	5,097	2,434	1,979	-520	-1,855	-2,783	890
20%	203	838	-3,936	-210	477	1,265	662	381	-1,093	-2,900	-3,265	798
30%	-195	714	-4,129	-702	0	0	376	29	-1,378	-4,232	-3,771	626
40%	-1,664	-79	-4,323	-1,032	-636	-379	237	-85	-1,867	-4,963	-4,198	233
50%	-1,978	-3,503	-5,145	-2,823	-1,587	-911	-37	-296	-2,138	-5,783	-4,534	-1,903
60%	-2,107	-3,817	-5,387	-3,286	-2,691	-1,453	-386	-738	-2,273	-7,415	-4,901	-3,227
70%	-2,247	-4,117	-5,977	-3,355	-2,968	-2,304	-1,150	-1,150	-3,500	-8,479	-5,637	-3,918
80%	-2,343	-4,457	-7,810	-3,500	-3,864	-2,991	-1,844	-1,190	-3,500	-9,770	-7,109	-4,410
90%	-2,415	-5,000	-8,000	-4,971	-4,000	-3,500	-2,000	-1,791	-3,500	-11,002	-9,256	-4,841
Long Term												
Full Simulation Period[a]	-1,333	-2,013	-4,764	-1,097	-570	333	181	148	-1,981	-6,373	-5,221	-1,819
Water Year Types[b]												
Wet (32%)	-1,077	-1,323	-3,285	1,693	3,000	4,583	2,284	2,208	-1,392	-7,313	-5,487	843
Above Normal (15%)	-1,374	-1,928	-5,370	-1,202	-621	580	-26	-200	-2,602	-8,080	-6,488	-533
Below Normal (17%)	-1,055	-2,148	-6,011	-2,676	-2,149	-2,638	-687	-681	-2,352	-7,767	-6,365	-4,686
Dry (22%)	-1,630	-2,393	-5,547	-2,769	-2,909	-2,352	-1,168	-1,196	-2,175	-5,370	-4,552	-4,062
Critical (15%)	-1,726	-2,864	-4,734	-2,686	-2,902	-1,627	-1,135	-983	-1,914	-2,511	-3,047	-2,163

Alternative 4 H3 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	5,069	5,264	2,343	3,117	3,528	5,459	**-538**	**-95**	1,455	4,762	1,766	5,396
20%	5,850	6,563	1,796	2,613	2,841	2,767	**-1,036**	**-625**	1,259	5,894	4,517	7,959
30%	6,289	7,028	1,742	2,652	2,822	2,093	**-1,055**	**-653**	2,122	5,235	5,971	8,752
40%	5,339	7,168	1,548	2,323	2,864	3,121	**-816**	**-575**	1,633	5,247	6,085	8,676
50%	6,050	4,658	726	1,887	2,594	2,768	**-701**	**-363**	1,442	4,898	5,872	6,995
60%	6,500	4,954	1,514	1,566	2,221	3,102	**-559**	**-548**	2,707	3,557	5,692	5,962
70%	6,953	5,503	1,845	1,645	2,032	2,696	**-943**	**-685**	1,500	2,640	5,123	5,640
80%	7,353	5,352	1,102	1,500	1,136	2,009	**-1,442**	**-500**	1,500	1,417	3,737	5,332
90%	7,569	4,896	1,357	29	1,000	1,500	**-995**	**-640**	1,500	272	1,719	5,071
Long Term												
Full Simulation Period[a]	6,235	5,579	1,749	2,352	2,588	3,091	**-663**	**-205**	1,799	3,341	4,062	6,417
Water Year Types[b]												
Wet (32%)	7,270	7,579	2,257	3,512	5,366	6,183	**-147**	557	2,772	1,646	4,575	10,160
Above Normal (15%)	6,268	5,336	1,617	2,351	2,654	4,831	**-1,084**	**-710**	2,159	1,839	3,861	8,630
Below Normal (17%)	6,749	5,848	1,293	1,563	1,288	1,509	**-1,364**	**-953**	1,802	3,086	3,679	3,889
Dry (22%)	5,331	4,743	1,667	1,894	1,076	500	**-900**	**-549**	1,126	5,521	5,571	4,019
Critical (15%)	4,715	2,430	1,432	1,444	289	383	**-185**	36	336	5,547	1,338	2,644

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-9-8. Old and Middle River, Monthly Flow (combined flows)

Existing Condition

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	-4,618	-4,270	-4,565	-2,655	-762	-363	2,971	2,074	-1,975	-6,617	-4,549	-4,506
20%	-5,648	-5,724	-5,732	-2,823	-2,364	-1,502	1,699	1,007	-2,352	-8,794	-7,783	-7,161
30%	-6,484	-6,315	-5,871	-3,355	-2,822	-2,093	1,431	682	-3,500	-9,467	-9,742	-8,126
40%	-7,003	-7,247	-5,871	-3,355	-3,500	-3,500	1,053	491	-3,500	-10,209	-10,283	-8,443
50%	-8,028	-8,161	-5,871	-4,710	-4,181	-3,680	663	67	-3,580	-10,681	-10,406	-8,898
60%	-8,607	-8,772	-6,901	-4,851	-4,912	-4,556	172	-190	-4,980	-10,971	-10,594	-9,188
70%	-9,200	-9,620	-7,822	-5,000	-5,000	-5,000	-208	-465	-5,000	-11,120	-10,760	-9,559
80%	-9,696	-9,809	-8,913	-5,000	-5,000	-5,000	-403	-690	-5,000	-11,187	-10,846	-9,742
90%	-9,984	-9,896	-9,357	-5,000	-5,000	-5,000	-1,005	-1,150	-5,000	-11,274	-10,975	-9,912
Long Term												
Full Simulation Period[a]	-7,568	-7,592	-6,513	-3,449	-3,158	-2,758	843	353	-3,780	-9,715	-9,283	-8,236
Water Year Types[b]												
Wet (32%)	-8,347	-8,902	-5,542	-1,820	-2,365	-1,600	2,431	1,651	-4,164	-8,959	-10,062	-9,317
Above Normal (15%)	-7,643	-7,264	-6,987	-3,553	-3,274	-4,251	1,058	509	-4,761	-9,919	-10,348	-9,163
Below Normal (17%)	-7,804	-7,997	-7,304	-4,240	-3,437	-4,147	677	272	-4,154	-10,853	-10,044	-8,575
Dry (22%)	-6,961	-7,136	-7,214	-4,664	-3,986	-2,852	-268	-647	-3,301	-10,891	-10,122	-8,081
Critical (15%)	-6,440	-5,294	-6,166	-4,130	-3,191	-2,010	-950	-1,020	-2,250	-8,058	-4,384	-4,807

Alternative 4 H4 (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	481	983	-2,655	449	3,328	5,577	2,632	2,139	70	-1,594	-2,941	941
20%	178	837	-3,844	-303	582	1,751	1,418	826	-206	-2,352	-3,418	741
30%	-296	706	-4,045	-715	0	1,070	718	594	-635	-3,401	-3,857	640
40%	-1,511	-54	-4,323	-936	-669	420	524	143	-832	-4,249	-4,300	397
50%	-2,012	-3,268	-4,999	-2,823	-1,468	-42	334	-39	-1,088	-4,838	-4,704	-1,957
60%	-2,198	-3,784	-5,293	-3,315	-2,622	-503	217	-189	-1,555	-5,596	-6,334	-3,897
70%	-2,318	-4,031	-5,552	-3,355	-2,967	-945	-282	-625	-1,972	-6,716	-6,906	-4,171
80%	-2,349	-4,246	-6,956	-3,500	-3,672	-1,688	-522	-1,058	-2,220	-7,648	-7,484	-4,663
90%	-2,434	-4,902	-7,837	-4,687	-4,000	-2,823	-1,081	-1,316	-3,482	-9,712	-8,104	-5,159
Long Term												
Full Simulation Period[a]	-1,353	-1,953	-4,655	-1,144	-410	1,156	784	467	-1,182	-5,271	-5,412	-1,930
Water Year Types[b]												
Wet (32%)	-1,020	-1,513	-3,433	1,725	3,336	5,063	2,633	2,409	-175	-5,689	-5,117	904
Above Normal (15%)	-1,360	-1,888	-5,265	-1,692	-566	1,049	822	407	-1,254	-4,950	-5,709	-257
Below Normal (17%)	-1,039	-1,904	-5,921	-2,663	-2,120	-449	280	-212	-1,977	-6,867	-6,814	-4,786
Dry (22%)	-1,696	-2,141	-5,140	-2,789	-2,815	-1,417	-392	-910	-1,686	-5,342	-5,783	-4,620
Critical (15%)	-1,920	-2,743	-4,488	-2,571	-2,766	-1,470	-906	-827	-1,612	-2,718	-3,561	-2,377

Alternative 4 H4 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	5,099	5,253	1,910	3,104	4,089	5,940	**-339**	65	2,045	5,023	1,609	5,447
20%	5,825	6,562	1,889	2,519	2,946	3,252	**-280**	**-180**	2,146	6,442	4,365	7,902
30%	6,188	7,021	1,826	2,640	2,822	3,163	**-713**	**-88**	2,865	6,066	5,885	8,766
40%	5,492	7,193	1,548	2,419	2,831	3,920	**-529**	**-348**	2,668	5,961	5,983	8,840
50%	6,016	4,892	872	1,887	2,713	3,638	**-330**	**-106**	2,492	5,843	5,701	6,941
60%	6,408	4,988	1,608	1,536	2,290	4,053	44	1	3,425	5,376	4,259	5,291
70%	6,881	5,589	2,271	1,645	2,033	4,055	**-74**	**-160**	3,028	4,404	3,854	5,388
80%	7,347	5,562	1,956	1,500	1,328	3,312	**-120**	**-368**	2,780	3,539	3,362	5,079
90%	7,550	4,994	1,520	313	1,000	2,177	**-75**	**-166**	1,518	1,562	2,871	4,753
Long Term												
Full Simulation Period[a]	6,215	5,640	1,857	2,305	2,748	3,914	**-59**	113	2,598	4,444	3,871	6,306
Water Year Types[b]												
Wet (32%)	7,327	7,389	2,108	3,544	5,701	6,664	202	758	3,989	3,269	4,945	10,221
Above Normal (15%)	6,283	5,376	1,722	1,861	2,708	5,300	**-236**	**-102**	3,507	4,969	4,640	8,906
Below Normal (17%)	6,765	6,092	1,382	1,577	1,317	3,698	**-396**	**-484**	2,178	3,985	3,230	3,789
Dry (22%)	5,264	4,995	2,074	1,874	1,171	1,435	**-124**	**-263**	1,615	5,549	4,339	3,461
Critical (15%)	4,520	2,551	1,678	1,559	425	540	44	192	638	5,340	823	2,430

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-9-9. Old and Middle River, Monthly Flow (combined flows)

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-4,618	-4,270	-4,565	-2,655	-762	-363	2,971	2,074	-1,975	-6,617	-4,549	-4,506
20%	-5,648	-5,724	-5,732	-2,823	-2,364	-1,502	1,699	1,007	-2,352	-8,794	-7,783	-7,161
30%	-6,484	-6,315	-5,871	-3,355	-2,822	-2,093	1,431	682	-3,500	-9,467	-9,742	-8,126
40%	-7,003	-7,247	-5,871	-3,355	-3,500	-3,500	1,053	491	-3,500	-10,209	-10,283	-8,443
50%	-8,028	-8,161	-5,871	-4,710	-4,181	-3,680	663	67	-3,580	-10,681	-10,406	-8,898
60%	-8,607	-8,772	-6,901	-4,851	-4,912	-4,556	172	-190	-4,980	-10,971	-10,594	-9,188
70%	-9,200	-9,620	-7,822	-5,000	-5,000	-5,000	-208	-465	-5,000	-11,120	-10,760	-9,559
80%	-9,696	-9,809	-8,913	-5,000	-5,000	-5,000	-403	-690	-5,000	-11,187	-10,846	-9,742
90%	-9,984	-9,896	-9,357	-5,000	-5,000	-5,000	-1,005	-1,150	-5,000	-11,274	-10,975	-9,912
Long Term												
Full Simulation Period[a]	-7,568	-7,592	-6,513	-3,449	-3,158	-2,758	843	353	-3,780	-9,715	-9,283	-8,236
Water Year Types[b]												
Wet (32%)	-8,347	-8,902	-5,542	-1,820	-2,365	-1,600	2,431	1,651	-4,164	-8,959	-10,062	-9,317
Above Normal (15%)	-7,643	-7,264	-6,987	-3,553	-3,274	-4,251	1,058	509	-4,761	-9,919	-10,348	-9,163
Below Normal (17%)	-7,804	-7,997	-7,304	-4,240	-3,437	-4,147	677	272	-4,154	-10,853	-10,044	-8,575
Dry (22%)	-6,961	-7,136	-7,214	-4,664	-3,986	-2,852	-268	-647	-3,301	-10,891	-10,122	-8,081
Critical (15%)	-6,440	-5,294	-6,166	-4,130	-3,191	-2,010	-950	-1,020	-2,250	-8,058	-4,384	-4,807

Alternative 5 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-422	396	-2,888	-224	-191	-210	3,338	2,607	-1,763	-1,990	-2,406	306
20%	-912	285	-4,531	-1,689	-1,431	-1,150	1,907	951	-2,038	-4,519	-2,800	-601
30%	-1,664	152	-5,871	-2,823	-2,089	-1,767	1,350	486	-2,133	-5,960	-3,583	-1,518
40%	-2,406	-2,301	-5,871	-3,035	-2,750	-2,540	758	276	-3,500	-7,636	-4,622	-2,042
50%	-2,844	-4,009	-5,871	-3,355	-3,167	-2,887	185	-8	-3,500	-8,590	-5,673	-2,932
60%	-3,448	-4,563	-7,308	-4,455	-3,516	-3,500	-278	-496	-3,500	-9,153	-6,991	-3,703
70%	-4,004	-4,738	-8,869	-4,710	-4,292	-3,500	-1,032	-650	-5,000	-9,869	-7,992	-4,220
80%	-4,896	-6,113	-9,209	-5,000	-5,000	-4,229	-1,173	-1,150	-5,000	-10,402	-8,996	-4,599
90%	-5,448	-7,986	-9,635	-5,000	-5,000	-5,000	-1,462	-1,210	-5,000	-11,033	-10,547	-4,885
Long Term												
Full Simulation Period[a]	-2,956	-3,356	-6,300	-2,634	-2,351	-1,874	547	268	-3,383	-7,508	-6,040	-2,760
Water Year Types[b]												
Wet (32%)	-3,334	-3,557	-5,304	-1,023	-1,070	-272	2,478	1,839	-4,285	-8,459	-7,231	-1,729
Above Normal (15%)	-2,779	-3,685	-6,790	-3,090	-2,437	-3,011	794	415	-4,250	-8,381	-8,718	-2,100
Below Normal (17%)	-2,599	-3,227	-6,966	-3,734	-2,698	-3,387	-7	-273	-3,518	-9,443	-7,020	-4,621
Dry (22%)	-2,913	-3,148	-7,764	-3,865	-3,338	-2,412	-954	-1,005	-2,376	-6,872	-3,956	-3,574
Critical (15%)	-2,796	-3,053	-4,995	-2,540	-3,157	-1,639	-984	-742	-1,912	-3,270	-2,764	-2,259

Alternative 5 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4,195	4,666	1,677	2,431	571	152	367	533	212	4,627	2,144	4,812
20%	4,736	6,009	1,201	1,134	933	351	208	-56	313	4,275	4,983	6,559
30%	4,820	6,467	0	532	734	325	-81	-196	1,367	3,507	6,160	6,607
40%	4,598	4,946	0	319	750	960	-295	-215	0	2,574	5,661	6,401
50%	5,184	4,152	0	1,355	1,014	793	-478	-76	80	2,091	4,733	5,966
60%	5,158	4,209	-407	397	1,396	1,056	-451	-306	1,480	1,819	3,602	5,485
70%	5,196	4,882	-1,046	290	708	1,500	-824	-185	0	1,251	2,768	5,339
80%	4,800	3,696	-297	0	0	771	-771	-461	0	785	1,850	5,143
90%	4,536	1,910	-278	0	0	0	-457	-60	0	242	428	5,027
Long Term												
Full Simulation Period[a]	4,612	4,236	212	814	807	884	-296	-85	397	2,207	3,243	5,477
Water Year Types[b]												
Wet (32%)	5,013	5,345	237	796	1,295	1,329	47	188	-121	500	2,831	7,587
Above Normal (15%)	4,864	3,580	198	463	837	1,240	-264	-94	511	1,538	1,630	7,063
Below Normal (17%)	5,205	4,770	338	506	739	760	-684	-544	636	1,410	3,024	3,954
Dry (22%)	4,048	3,988	-550	799	648	441	-686	-358	924	4,019	6,166	4,507
Critical (15%)	3,644	2,241	1,171	1,590	34	371	-34	278	338	4,787	1,621	2,548

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-9-10. Old and Middle River, Monthly Flow (combined flows)

Existing Condition

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	-4,618	-4,270	-4,565	-2,655	-762	-363	2,971	2,074	-1,975	-6,617	-4,549	-4,506
20%	-5,648	-5,724	-5,732	-2,823	-2,364	-1,502	1,699	1,007	-2,352	-8,794	-7,783	-7,161
30%	-6,484	-6,315	-5,871	-3,355	-2,822	-2,093	1,431	682	-3,500	-9,467	-9,742	-8,126
40%	-7,003	-7,247	-5,871	-3,355	-3,500	-3,500	1,053	491	-3,500	-10,209	-10,283	-8,443
50%	-8,028	-8,161	-5,871	-4,710	-4,181	-3,680	663	67	-3,580	-10,681	-10,406	-8,898
60%	-8,607	-8,772	-6,901	-4,851	-4,912	-4,556	172	-190	-4,980	-10,971	-10,594	-9,188
70%	-9,200	-9,620	-7,822	-5,000	-5,000	-5,000	-208	-465	-5,000	-11,120	-10,760	-9,559
80%	-9,696	-9,809	-8,913	-5,000	-5,000	-5,000	-403	-690	-5,000	-11,187	-10,846	-9,742
90%	-9,984	-9,896	-9,357	-5,000	-5,000	-5,000	-1,005	-1,150	-5,000	-11,274	-10,975	-9,912
Long Term												
Full Simulation Period[a]	-7,568	-7,592	-6,513	-3,449	-3,158	-2,758	843	353	-3,780	-9,715	-9,283	-8,236
Water Year Types[b]												
Wet (32%)	-8,347	-8,902	-5,542	-1,820	-2,365	-1,600	2,431	1,651	-4,164	-8,959	-10,062	-9,317
Above Normal (15%)	-7,643	-7,264	-6,987	-3,553	-3,274	-4,251	1,058	509	-4,761	-9,919	-10,348	-9,163
Below Normal (17%)	-7,804	-7,997	-7,304	-4,240	-3,437	-4,147	677	272	-4,154	-10,853	-10,044	-8,575
Dry (22%)	-6,961	-7,136	-7,214	-4,664	-3,986	-2,852	-268	-647	-3,301	-10,891	-10,122	-8,081
Critical (15%)	-6,440	-5,294	-6,166	-4,130	-3,191	-2,010	-950	-1,020	-2,250	-8,058	-4,384	-4,807

Alternative 6A,6B,6C (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	458	411	2,073	5,319	7,327	7,742	6,476	5,536	1,189	651	404	646
20%	384	345	1,357	2,778	3,869	4,273	3,722	2,433	523	-22	207	520
30%	328	291	1,126	2,046	3,268	3,225	2,782	1,937	173	-260	85	461
40%	281	266	1,001	1,443	2,336	2,020	2,315	1,739	-103	-382	10	405
50%	245	245	925	1,270	1,508	1,246	1,881	1,607	-220	-470	-56	354
60%	213	231	852	1,198	1,171	1,006	1,255	981	-358	-561	-110	310
70%	186	202	812	1,061	1,053	831	993	653	-494	-636	-182	255
80%	111	180	717	945	970	687	731	485	-543	-719	-224	202
90%	40	159	678	874	886	549	427	268	-717	-795	-273	166
Long Term												
Full Simulation Period[a]	279	324	1,548	2,809	3,296	3,324	2,633	2,249	232	-221	-1	394
Water Year Types[b]												
Wet (32%)	393	483	2,727	5,690	6,242	7,130	5,096	4,675	1,336	468	255	630
Above Normal (15%)	197	219	1,271	2,631	3,367	3,148	2,617	2,092	215	-294	71	401
Below Normal (17%)	251	297	1,130	1,477	2,514	1,956	2,020	1,553	-162	-534	-90	349
Dry (22%)	280	267	911	1,108	1,173	889	1,031	673	-493	-612	-151	271
Critical (15%)	142	200	714	850	935	501	433	322	-594	-690	-297	114

Alternative 6A,6B,6C (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	5,075	4,681	6,638	7,974	8,088	8,105	3,505	3,462	3,164	7,269	4,954	5,152
20%	6,032	6,069	7,089	5,601	6,234	5,775	2,023	1,427	2,875	8,772	7,989	7,681
30%	6,812	6,606	6,997	5,401	6,090	5,318	1,351	1,255	3,673	9,207	9,827	8,587
40%	7,284	7,513	6,872	4,798	5,836	5,520	1,261	1,248	3,397	9,827	10,292	8,848
50%	8,272	8,406	6,796	5,980	5,688	4,926	1,218	1,540	3,360	10,211	10,349	9,251
60%	8,819	9,003	7,753	6,050	6,083	5,562	1,083	1,171	4,622	10,410	10,483	9,498
70%	9,386	9,822	8,635	6,061	6,053	5,831	1,201	1,118	4,506	10,484	10,577	9,813
80%	9,807	9,989	9,630	5,945	5,970	5,687	1,133	1,175	4,457	10,469	10,622	9,944
90%	10,024	10,056	10,035	5,874	5,886	5,549	1,432	1,418	4,283	10,480	10,702	10,078
Long Term												
Full Simulation Period[a]	7,846	7,916	8,061	6,258	6,453	6,081	1,790	1,895	4,012	9,494	9,283	8,631
Water Year Types[b]												
Wet (32%)	8,740	9,385	8,269	7,509	8,608	8,730	2,665	3,024	5,500	9,427	10,317	9,947
Above Normal (15%)	7,839	7,483	8,258	6,183	6,642	7,399	1,559	1,582	4,976	9,625	10,420	9,563
Below Normal (17%)	8,055	8,293	8,433	5,717	5,951	6,102	1,343	1,281	3,992	10,319	9,954	8,925
Dry (22%)	7,241	7,404	8,125	5,771	5,158	3,741	1,299	1,320	2,808	10,279	9,971	8,352
Critical (15%)	6,582	5,493	6,880	4,980	4,126	2,511	1,383	1,342	1,655	7,368	4,087	4,920

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-9-11. Old and Middle River, Monthly Flow (combined flows)

Existing Condition

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	-4,618	-4,270	-4,565	-2,655	-762	-363	2,971	2,074	-1,975	-6,617	-4,549	-4,506
20%	-5,648	-5,724	-5,732	-2,823	-2,364	-1,502	1,699	1,007	-2,352	-8,794	-7,783	-7,161
30%	-6,484	-6,315	-5,871	-3,355	-2,822	-2,093	1,431	682	-3,500	-9,467	-9,742	-8,126
40%	-7,003	-7,247	-5,871	-3,355	-3,500	-3,500	1,053	491	-3,500	-10,209	-10,283	-8,443
50%	-8,028	-8,161	-5,871	-4,710	-4,181	-3,680	663	67	-3,580	-10,681	-10,406	-8,898
60%	-8,607	-8,772	-6,901	-4,851	-4,912	-4,556	172	-190	-4,980	-10,971	-10,594	-9,188
70%	-9,200	-9,620	-7,822	-5,000	-5,000	-5,000	-208	-465	-5,000	-11,120	-10,760	-9,559
80%	-9,696	-9,809	-8,913	-5,000	-5,000	-5,000	-403	-690	-5,000	-11,187	-10,846	-9,742
90%	-9,984	-9,896	-9,357	-5,000	-5,000	-5,000	-1,005	-1,150	-5,000	-11,274	-10,975	-9,912
Long Term												
Full Simulation Period[a]	-7,568	-7,592	-6,513	-3,449	-3,158	-2,758	843	353	-3,780	-9,715	-9,283	-8,236
Water Year Types[b]												
Wet (32%)	-8,347	-8,902	-5,542	-1,820	-2,365	-1,600	2,431	1,651	-4,164	-8,959	-10,062	-9,317
Above Normal (15%)	-7,643	-7,264	-6,987	-3,553	-3,274	-4,251	1,058	509	-4,761	-9,919	-10,348	-9,163
Below Normal (17%)	-7,804	-7,997	-7,304	-4,240	-3,437	-4,147	677	272	-4,154	-10,853	-10,044	-8,575
Dry (22%)	-6,961	-7,136	-7,214	-4,664	-3,986	-2,852	-268	-647	-3,301	-10,891	-10,122	-8,081
Critical (15%)	-6,440	-5,294	-6,166	-4,130	-3,191	-2,010	-950	-1,020	-2,250	-8,058	-4,384	-4,807

Alternative 7 (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	492	461	1,000	1,079	2,791	3,658	6,598	5,704	1,315	-4,215	-4,263	475
20%	427	407	1,000	1,000	1,053	1,000	3,819	2,433	491	-4,949	-4,848	315
30%	369	346	1,000	1,000	1,000	1,000	2,781	1,936	218	-5,643	-5,365	215
40%	312	302	1,000	1,000	1,000	1,000	2,315	1,724	-55	-6,925	-5,866	-9
50%	203	268	946	1,000	1,000	1,000	1,881	1,511	-170	-8,657	-6,404	-2,790
60%	46	249	870	1,000	1,000	1,000	1,281	963	-353	-9,790	-6,986	-3,783
70%	-19	231	812	1,000	1,000	847	1,048	679	-494	-10,661	-7,468	-4,345
80%	-93	198	724	949	970	696	786	446	-543	-11,719	-8,586	-4,672
90%	-189	164	678	874	886	560	393	260	-721	-12,780	-10,123	-5,112
Long Term												
Full Simulation Period[a]	186	352	1,067	1,832	1,886	2,103	2,654	2,246	145	-8,401	-6,861	-2,312
Water Year Types[b]												
Wet (32%)	336	517	1,549	3,634	3,586	4,496	5,117	4,664	1,034	-9,140	-7,613	251
Above Normal (15%)	119	244	857	1,221	1,546	1,772	2,646	2,118	235	-9,622	-8,020	-818
Below Normal (17%)	149	303	901	960	1,046	909	2,046	1,561	-129	-10,419	-8,610	-5,280
Dry (22%)	158	309	872	968	972	842	1,034	661	-494	-7,584	-5,477	-4,374
Critical (15%)	15	227	722	851	891	534	461	309	-594	-4,447	-4,108	-2,807

Alternative 7 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	5,110	4,731	5,565	3,733	3,552	4,020	3,626	3,630	3,290	2,403	286	4,981
20%	6,075	6,131	6,732	3,823	3,417	2,502	2,121	1,427	2,842	3,845	2,934	7,476
30%	6,853	6,661	6,871	4,355	3,822	3,093	1,351	1,254	3,718	3,824	4,377	8,341
40%	7,315	7,550	6,871	4,355	4,500	4,500	1,261	1,234	3,445	3,285	4,416	8,434
50%	8,230	8,429	6,817	5,710	5,181	4,680	1,218	1,444	3,410	2,024	4,002	6,108
60%	8,653	9,021	7,771	5,851	5,912	5,556	1,109	1,154	4,627	1,181	3,608	5,405
70%	9,181	9,851	8,635	6,000	6,000	5,847	1,256	1,144	4,506	459	3,292	5,214
80%	9,603	10,006	9,636	5,949	5,970	5,696	1,189	1,136	4,457	**-532**	2,260	5,069
90%	9,795	10,061	10,035	5,874	5,886	5,560	1,398	1,410	4,279	**-1,505**	852	4,800
Long Term												
Full Simulation Period[a]	7,754	7,944	7,580	5,281	5,043	4,861	1,810	1,893	3,925	1,314	2,422	5,924
Water Year Types[b]												
Wet (32%)	8,683	9,419	7,091	5,453	5,951	6,096	2,686	3,013	5,198	**-181**	2,449	9,568
Above Normal (15%)	7,762	7,508	7,844	4,774	4,820	6,023	1,588	1,609	4,996	297	2,329	8,344
Below Normal (17%)	7,953	8,299	8,205	5,200	4,483	5,056	1,370	1,289	4,026	434	1,434	3,295
Dry (22%)	7,118	7,445	8,086	5,632	4,957	3,694	1,302	1,308	2,806	3,307	4,645	3,707
Critical (15%)	6,455	5,521	6,888	4,981	4,082	2,545	1,412	1,329	1,655	3,610	276	2,000

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-9-12. Old and Middle River, Monthly Flow (combined flows)

Existing Condition

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	-4,618	-4,270	-4,565	-2,655	-762	-363	2,971	2,074	-1,975	-6,617	-4,549	-4,506
20%	-5,648	-5,724	-5,732	-2,823	-2,364	-1,502	1,699	1,007	-2,352	-8,794	-7,783	-7,161
30%	-6,484	-6,315	-5,871	-3,355	-2,822	-2,093	1,431	682	-3,500	-9,467	-9,742	-8,126
40%	-7,003	-7,247	-5,871	-3,355	-3,500	-3,500	1,053	491	-3,500	-10,209	-10,283	-8,443
50%	-8,028	-8,161	-5,871	-4,710	-4,181	-3,680	663	67	-3,580	-10,681	-10,406	-8,898
60%	-8,607	-8,772	-6,901	-4,851	-4,912	-4,556	172	-190	-4,980	-10,971	-10,594	-9,188
70%	-9,200	-9,620	-7,822	-5,000	-5,000	-5,000	-208	-465	-5,000	-11,120	-10,760	-9,559
80%	-9,696	-9,809	-8,913	-5,000	-5,000	-5,000	-403	-690	-5,000	-11,187	-10,846	-9,742
90%	-9,984	-9,896	-9,357	-5,000	-5,000	-5,000	-1,005	-1,150	-5,000	-11,274	-10,975	-9,912
Long Term												
Full Simulation Period[a]	-7,568	-7,592	-6,513	-3,449	-3,158	-2,758	843	353	-3,780	-9,715	-9,283	-8,236
Water Year Types[b]												
Wet (32%)	-8,347	-8,902	-5,542	-1,820	-2,365	-1,600	2,431	1,651	-4,164	-8,959	-10,062	-9,317
Above Normal (15%)	-7,643	-7,264	-6,987	-3,553	-3,274	-4,251	1,058	509	-4,761	-9,919	-10,348	-9,163
Below Normal (17%)	-7,804	-7,997	-7,304	-4,240	-3,437	-4,147	677	272	-4,154	-10,853	-10,044	-8,575
Dry (22%)	-6,961	-7,136	-7,214	-4,664	-3,986	-2,852	-268	-647	-3,301	-10,891	-10,122	-8,081
Critical (15%)	-6,440	-5,294	-6,166	-4,130	-3,191	-2,010	-950	-1,020	-2,250	-8,058	-4,384	-4,807

Alternative 8 (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	449	456	1,000	1,067	2,570	3,648	6,608	5,707	1,324	-1,268	-3,490	705
20%	340	377	1,000	1,000	1,053	1,030	3,842	2,434	491	-1,798	-4,148	526
30%	243	346	1,000	1,000	1,000	1,000	2,813	1,937	224	-2,126	-4,480	426
40%	199	296	1,000	1,000	1,000	1,000	2,314	1,736	-60	-2,760	-4,846	300
50%	136	267	921	1,000	1,000	1,000	1,881	1,605	-167	-3,273	-5,086	-1,733
60%	46	245	856	1,000	1,000	1,000	1,281	963	-328	-3,767	-5,191	-3,091
70%	-14	230	812	1,000	1,000	846	1,085	749	-494	-3,908	-5,451	-3,846
80%	-73	197	724	943	970	696	784	558	-546	-4,063	-5,659	-4,187
90%	-179	161	678	874	889	560	436	267	-721	-4,393	-5,989	-4,427
Long Term												
Full Simulation Period[a]	153	349	1,019	1,798	1,833	2,057	2,660	2,263	144	-3,089	-4,883	-1,745
Water Year Types[b]												
Wet (32%)	298	501	1,402	3,539	3,300	4,320	5,117	4,665	1,034	-3,169	-5,938	654
Above Normal (15%)	98	260	859	1,211	1,645	1,840	2,653	2,134	233	-1,752	-5,296	-354
Below Normal (17%)	134	300	901	961	1,186	909	2,070	1,578	-132	-2,648	-4,644	-4,392
Dry (22%)	96	309	866	968	972	845	1,026	686	-495	-3,552	-4,424	-3,745
Critical (15%)	4	227	714	838	891	526	482	348	-597	-4,072	-3,154	-2,245

Alternative 8 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	5,067	4,726	5,565	3,722	3,332	4,011	3,637	3,633	3,299	5,349	1,059	5,210
20%	5,987	6,101	6,732	3,823	3,417	2,532	2,144	1,427	2,843	6,996	3,635	7,686
30%	6,728	6,661	6,871	4,355	3,822	3,093	1,382	1,255	3,724	7,341	5,262	8,551
40%	7,203	7,544	6,871	4,355	4,500	4,500	1,261	1,245	3,440	7,449	5,437	8,743
50%	8,164	8,428	6,792	5,710	5,181	4,680	1,218	1,537	3,413	7,408	5,319	7,165
60%	8,653	9,016	7,757	5,851	5,912	5,556	1,108	1,154	4,651	7,204	5,402	6,098
70%	9,186	9,850	8,635	6,000	6,000	5,846	1,293	1,215	4,506	7,212	5,309	5,712
80%	9,623	10,005	9,636	5,943	5,970	5,696	1,186	1,248	4,454	7,125	5,187	5,554
90%	9,805	10,057	10,035	5,874	5,889	5,560	1,441	1,418	4,279	6,881	4,986	5,485
Long Term												
Full Simulation Period[a]	7,721	7,941	7,531	5,247	4,991	4,815	1,817	1,909	3,924	6,626	4,400	6,491
Water Year Types[b]												
Wet (32%)	8,644	9,403	6,944	5,358	5,665	5,920	2,686	3,014	5,198	5,789	4,124	9,971
Above Normal (15%)	7,741	7,524	7,846	4,764	4,919	6,091	1,595	1,625	4,994	8,167	5,052	8,809
Below Normal (17%)	7,938	8,296	8,205	5,200	4,623	5,056	1,393	1,307	4,023	8,204	5,400	4,183
Dry (22%)	7,057	7,446	8,079	5,632	4,957	3,698	1,294	1,333	2,805	7,339	5,698	4,336
Critical (15%)	6,445	5,521	6,880	4,968	4,082	2,536	1,433	1,367	1,653	3,986	1,230	2,562

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-9-13. Old and Middle River, Monthly Flow (combined flows)

Existing Condition

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	-4,618	-4,270	-4,565	-2,655	-762	-363	2,971	2,074	-1,975	-6,617	-4,549	-4,506
20%	-5,648	-5,724	-5,732	-2,823	-2,364	-1,502	1,699	1,007	-2,352	-8,794	-7,783	-7,161
30%	-6,484	-6,315	-5,871	-3,355	-2,822	-2,093	1,431	682	-3,500	-9,467	-9,742	-8,126
40%	-7,003	-7,247	-5,871	-3,355	-3,500	-3,500	1,053	491	-3,500	-10,209	-10,283	-8,443
50%	-8,028	-8,161	-5,871	-4,710	-4,181	-3,680	663	67	-3,580	-10,681	-10,406	-8,898
60%	-8,607	-8,772	-6,901	-4,851	-4,912	-4,556	172	-190	-4,980	-10,971	-10,594	-9,188
70%	-9,200	-9,620	-7,822	-5,000	-5,000	-5,000	-208	-465	-5,000	-11,120	-10,760	-9,559
80%	-9,696	-9,809	-8,913	-5,000	-5,000	-5,000	-403	-690	-5,000	-11,187	-10,846	-9,742
90%	-9,984	-9,896	-9,357	-5,000	-5,000	-5,000	-1,005	-1,150	-5,000	-11,274	-10,975	-9,912
Long Term												
Full Simulation Period[a]	-7,568	-7,592	-6,513	-3,449	-3,158	-2,758	843	353	-3,780	-9,715	-9,283	-8,236
Water Year Types[b]												
Wet (32%)	-8,347	-8,902	-5,542	-1,820	-2,365	-1,600	2,431	1,651	-4,164	-8,959	-10,062	-9,317
Above Normal (15%)	-7,643	-7,264	-6,987	-3,553	-3,274	-4,251	1,058	509	-4,761	-9,919	-10,348	-9,163
Below Normal (17%)	-7,804	-7,997	-7,304	-4,240	-3,437	-4,147	677	272	-4,154	-10,853	-10,044	-8,575
Dry (22%)	-6,961	-7,136	-7,214	-4,664	-3,986	-2,852	-268	-647	-3,301	-10,891	-10,122	-8,081
Critical (15%)	-6,440	-5,294	-6,166	-4,130	-3,191	-2,010	-950	-1,020	-2,250	-8,058	-4,384	-4,807

Alternative 9 (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	-3,143	-4,339	-5,871	-2,823	-1,500	-1,133	-1,110	-1,499	-1,500	-3,181	-2,292	-3,770
20%	-4,056	-4,876	-5,871	-2,823	-2,677	-1,518	-1,500	-1,500	-1,500	-7,384	-5,428	-4,650
30%	-4,406	-5,169	-5,871	-3,355	-2,947	-2,823	-1,968	-1,500	-2,800	-8,132	-7,734	-5,604
40%	-5,152	-5,677	-5,939	-4,093	-3,500	-3,500	-3,108	-3,418	-3,500	-10,103	-9,915	-6,617
50%	-5,384	-6,200	-7,094	-4,710	-4,099	-3,500	-3,500	-3,500	-3,500	-10,756	-10,714	-7,505
60%	-5,610	-6,749	-9,884	-5,000	-5,000	-4,512	-5,000	-3,500	-3,500	-11,487	-11,663	-9,497
70%	-6,160	-7,361	-10,872	-5,000	-5,000	-5,000	-5,000	-3,500	-5,000	-11,605	-11,812	-10,322
80%	-7,104	-9,536	-11,280	-5,000	-5,000	-5,000	-5,000	-5,000	-5,000	-11,605	-12,027	-11,105
90%	-8,511	-11,275	-11,398	-5,000	-5,000	-5,000	-5,000	-5,000	-5,000	-11,706	-12,030	-11,530
Long Term												
Full Simulation Period[a]	-5,614	-6,780	-7,927	-3,394	-3,185	-2,744	-3,098	-2,967	-3,365	-9,215	-8,877	-7,761
Water Year Types[b]												
Wet (32%)	-6,283	-7,525	-6,260	-1,523	-2,504	-1,602	-3,338	-3,349	-4,506	-10,234	-11,615	-9,552
Above Normal (15%)	-5,196	-6,875	-8,437	-2,857	-2,942	-4,002	-4,708	-4,087	-4,375	-11,327	-11,658	-9,681
Below Normal (17%)	-5,428	-6,989	-9,020	-4,336	-3,468	-3,981	-3,763	-3,180	-3,143	-10,317	-10,045	-9,088
Dry (22%)	-5,544	-6,424	-9,488	-4,817	-3,849	-2,976	-2,247	-2,479	-2,469	-8,619	-6,418	-5,502
Critical (15%)	-4,906	-5,362	-7,416	-4,753	-3,573	-2,170	-1,469	-1,507	-1,487	-4,503	-2,488	-3,804

Alternative 9 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1,474	**-70**	**-1,306**	**-168**	**-738**	**-771**	**-4,081**	**-3,573**	475	3,436	2,257	736
20%	1,591	848	**-139**	0	**-313**	**-16**	**-3,199**	**-2,507**	852	1,410	2,355	2,511
30%	2,078	1,146	0	**0**	**-124**	**-730**	**-3,399**	**-2,182**	700	1,335	2,008	2,522
40%	1,851	1,571	**-68**	**-738**	0	0	**-4,161**	**-3,908**	0	106	368	1,826
50%	2,643	1,961	**-1,223**	0	81	180	**-4,163**	**-3,567**	80	**-75**	**-308**	1,393
60%	2,997	2,023	**-2,983**	**-149**	**-88**	44	**-5,172**	**-3,310**	1,480	**-515**	**-1,070**	**-308**
70%	3,039	2,259	**-3,049**	0	0	0	**-4,792**	**-3,035**	0	**-485**	**-1,052**	**-763**
80%	2,592	272	**-2,367**	0	0	0	**-4,597**	**-4,310**	0	**-418**	**-1,181**	**-1,363**
90%	1,473	**-1,379**	**-2,042**	0	0	0	**-3,995**	**-3,850**	0	**-432**	**-1,055**	**-1,618**
Long Term												
Full Simulation Period[a]	1,954	812	**-1,415**	54	**-27**	14	**-3,941**	**-3,321**	415	500	407	475
Water Year Types[b]												
Wet (32%)	2,063	1,377	**-718**	296	**-139**	**-1**	**-5,769**	**-4,999**	**-342**	**-1,275**	**-1,553**	**-235**
Above Normal (15%)	2,447	389	**-1,450**	695	332	249	**-5,767**	**-4,597**	386	**-1,408**	**-1,310**	**-518**
Below Normal (17%)	2,377	1,008	**-1,716**	**-97**	**-31**	165	**-4,440**	**-3,452**	1,012	535	**-1**	**-513**
Dry (22%)	1,416	713	**-2,274**	**-154**	136	**-123**	**-1,979**	**-1,832**	832	2,272	3,704	2,579
Critical (15%)	1,535	**-69**	**-1,250**	**-623**	**-382**	**-160**	**-518**	**-487**	763	3,555	1,897	1,002

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-9-14. Old and Middle River, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	-2,307	-2,732	-3,112	-1,913	-666	-516	3,341	2,388	-2,020	-3,934	-3,518	-3,951
20%	-3,130	-4,028	-4,127	-2,823	-2,240	-1,174	1,905	951	-2,077	-6,321	-6,590	-4,345
30%	-3,797	-4,322	-5,637	-3,355	-2,758	-1,985	1,349	482	-2,930	-7,738	-7,556	-4,939
40%	-4,116	-4,530	-5,871	-3,355	-3,500	-2,878	717	286	-3,500	-8,482	-9,121	-5,886
50%	-4,584	-5,080	-5,871	-4,369	-3,609	-3,500	339	-57	-3,500	-9,418	-9,988	-6,803
60%	-4,937	-5,801	-6,242	-4,710	-4,186	-4,052	-211	-447	-3,500	-9,958	-10,512	-7,936
70%	-5,246	-6,425	-8,125	-4,782	-5,000	-5,000	-546	-928	-4,440	-10,277	-10,789	-8,494
80%	-5,581	-7,019	-8,982	-5,000	-5,000	-5,000	-889	-1,150	-5,000	-10,476	-11,021	-9,618
90%	-6,035	-9,856	-9,559	-5,000	-5,000	-5,000	-1,134	-1,359	-5,000	-10,914	-11,161	-10,135
Long Term												
Full Simulation Period[a]	-4,427	-5,636	-6,155	-3,228	-2,964	-2,487	659	155	-3,504	-8,473	-8,604	-6,868
Water Year Types[b]												
Wet (32%)	-5,049	-6,527	-5,591	-1,606	-2,293	-1,454	2,415	1,555	-4,369	-8,699	-10,518	-7,580
Above Normal (15%)	-3,648	-6,003	-7,050	-3,446	-3,147	-3,815	787	396	-4,454	-7,962	-10,985	-9,002
Below Normal (17%)	-4,793	-5,542	-7,040	-3,803	-3,290	-3,834	214	-237	-3,420	-9,942	-9,374	-8,392
Dry (22%)	-4,103	-5,007	-7,006	-4,675	-3,502	-2,614	-615	-1,010	-2,592	-9,505	-7,259	-5,165
Critical (15%)	-3,920	-4,389	-4,173	-3,684	-3,047	-1,636	-845	-911	-2,143	-5,234	-3,192	-3,966

Alternative 1A,1B,1C (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	-2,316	-2,530	-144	5,328	7,094	7,734	6,593	5,372	408	-1,466	-2,503	-2,073
20%	-3,436	-3,844	-2,492	2,314	3,879	4,267	2,669	1,076	-461	-2,067	-2,814	-3,649
30%	-4,063	-4,294	-3,868	809	2,573	3,195	1,174	-89	-1,236	-2,817	-3,013	-4,172
40%	-4,735	-4,493	-5,280	-589	1,532	1,135	-628	-647	-1,664	-3,794	-3,478	-4,393
50%	-5,357	-4,725	-5,871	-1,100	539	-4	-1,150	-1,079	-1,878	-4,280	-3,866	-4,616
60%	-5,686	-5,008	-5,980	-2,791	-1,164	-774	-1,427	-1,150	-2,057	-4,927	-4,097	-4,820
70%	-5,997	-5,278	-7,595	-2,868	-2,617	-1,311	-1,969	-1,150	-2,311	-5,544	-4,439	-4,966
80%	-6,175	-5,536	-9,060	-4,062	-3,489	-2,193	-2,317	-1,695	-3,500	-6,333	-5,231	-5,230
90%	-6,582	-6,363	-9,770	-5,000	-4,979	-2,823	-2,732	-2,639	-3,500	-9,346	-6,150	-5,642
Long Term												
Full Simulation Period[a]	-4,854	-4,555	-5,046	-13	1,049	1,844	379	246	-1,605	-4,699	-4,261	-4,214
Water Year Types[b]												
Wet (32%)	-5,048	-4,575	-2,570	4,510	6,082	6,776	3,673	3,149	-540	-5,531	-4,342	-4,507
Above Normal (15%)	-4,681	-4,678	-5,652	-115	1,971	2,649	579	-625	-2,990	-4,806	-5,549	-5,149
Below Normal (17%)	-4,899	-5,311	-6,209	-2,695	2	-454	-1,777	-1,583	-2,008	-5,238	-4,328	-4,606
Dry (22%)	-4,963	-4,352	-6,878	-3,362	-3,217	-1,843	-1,832	-1,296	-1,840	-4,365	-4,205	-4,082
Critical (15%)	-4,393	-3,808	-5,701	-1,556	-3,158	-1,433	-1,124	-730	-1,706	-2,661	-2,801	-2,384

Alternative 1A,1B,1C (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	**-9**	202	2,968	7,241	7,759	8,250	3,253	2,984	2,429	2,468	1,015	1,878
20%	**-306**	184	1,635	5,137	6,118	5,441	764	126	1,616	4,253	3,775	695
30%	**-267**	28	1,769	4,164	5,331	5,180	**-176**	**-571**	1,694	4,920	4,544	767
40%	**-620**	37	590	2,766	5,032	4,013	**-1,345**	**-933**	1,836	4,688	5,643	1,493
50%	**-772**	354	0	3,268	4,148	3,496	**-1,489**	**-1,022**	1,622	5,138	6,122	2,187
60%	**-748**	793	262	1,918	3,022	3,278	**-1,216**	**-703**	1,443	5,031	6,415	3,117
70%	**-750**	1,148	530	1,914	2,383	3,689	**-1,422**	**-223**	2,129	4,734	6,350	3,529
80%	**-594**	1,483	**-78**	938	1,511	2,807	**-1,429**	**-544**	1,500	4,143	5,789	4,389
90%	**-548**	3,493	**-211**	0	21	2,177	**-1,598**	**-1,279**	1,500	1,568	5,011	4,493
Long Term												
Full Simulation Period[a]	**-427**	1,081	1,109	3,216	4,013	4,331	**-280**	90	1,898	3,775	4,343	2,654
Water Year Types[b]												
Wet (32%)	1	1,952	3,021	6,116	8,375	8,230	1,257	1,594	3,830	3,169	6,177	3,073
Above Normal (15%)	**-1,032**	1,326	1,398	3,332	5,118	6,463	**-208**	**-1,020**	1,464	3,156	5,435	3,853
Below Normal (17%)	**-106**	231	831	1,107	3,292	3,380	**-1,991**	**-1,345**	1,412	4,705	5,046	3,786
Dry (22%)	**-859**	655	128	1,314	285	770	**-1,217**	**-286**	752	5,140	3,054	1,083
Critical (15%)	**-473**	581	**-1,527**	2,128	**-111**	204	**-279**	181	436	2,573	391	1,581

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-9-15. Old and Middle River, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	-2,307	-2,732	-3,112	-1,913	-666	-516	3,341	2,388	-2,020	-3,934	-3,518	-3,951
20%	-3,130	-4,028	-4,127	-2,823	-2,240	-1,174	1,905	951	-2,077	-6,321	-6,590	-4,345
30%	-3,797	-4,322	-5,637	-3,355	-2,758	-1,985	1,349	482	-2,930	-7,738	-7,556	-4,939
40%	-4,116	-4,530	-5,871	-3,355	-3,500	-2,878	717	286	-3,500	-8,482	-9,121	-5,886
50%	-4,584	-5,080	-5,871	-4,369	-3,609	-3,500	339	-57	-3,500	-9,418	-9,988	-6,803
60%	-4,937	-5,801	-6,242	-4,710	-4,186	-4,052	-211	-447	-3,500	-9,958	-10,512	-7,936
70%	-5,246	-6,425	-8,125	-4,782	-5,000	-5,000	-546	-928	-4,440	-10,277	-10,789	-8,494
80%	-5,581	-7,019	-8,982	-5,000	-5,000	-5,000	-889	-1,150	-5,000	-10,476	-11,021	-9,618
90%	-6,035	-9,856	-9,559	-5,000	-5,000	-5,000	-1,134	-1,359	-5,000	-10,914	-11,161	-10,135
Long Term												
Full Simulation Period[a]	-4,427	-5,636	-6,155	-3,228	-2,964	-2,487	659	155	-3,504	-8,473	-8,604	-6,868
Water Year Types[b]												
Wet (32%)	-5,049	-6,527	-5,591	-1,606	-2,293	-1,454	2,415	1,555	-4,369	-8,699	-10,518	-7,580
Above Normal (15%)	-3,648	-6,003	-7,050	-3,446	-3,147	-3,815	787	396	-4,454	-7,962	-10,985	-9,002
Below Normal (17%)	-4,793	-5,542	-7,040	-3,803	-3,290	-3,834	214	-237	-3,420	-9,942	-9,374	-8,392
Dry (22%)	-4,103	-5,007	-7,006	-4,675	-3,502	-2,614	-615	-1,010	-2,592	-9,505	-7,259	-5,165
Critical (15%)	-3,920	-4,389	-4,173	-3,684	-3,047	-1,636	-845	-911	-2,143	-5,234	-3,192	-3,966

Alternative 2A,2B,2C (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	450	1,010	-334	5,171	7,008	7,737	3,799	2,924	0	-1,765	-2,858	896
20%	22	852	-3,266	1,085	2,455	2,256	1,605	431	-925	-2,635	-3,002	750
30%	-401	737	-4,129	0	1,607	1,612	567	116	-1,246	-4,018	-3,475	606
40%	-1,729	636	-4,392	-703	805	229	274	-72	-1,794	-4,718	-3,906	344
50%	-2,012	-3,496	-5,242	-866	-663	-738	94	-182	-2,033	-5,334	-4,325	-1,538
60%	-2,111	-3,840	-5,387	-2,209	-1,523	-1,288	-346	-717	-2,187	-5,952	-4,889	-3,690
70%	-2,290	-4,000	-6,365	-3,069	-2,776	-2,100	-1,150	-1,150	-2,665	-6,713	-5,301	-4,016
80%	-2,349	-4,440	-7,764	-3,500	-3,521	-2,823	-1,641	-1,179	-3,500	-8,170	-5,829	-4,394
90%	-2,422	-5,000	-8,000	-4,000	-4,000	-3,500	-2,000	-1,358	-3,500	-9,701	-7,839	-4,783
Long Term												
Full Simulation Period[a]	-1,371	-1,867	-4,509	-40	709	1,129	536	380	-1,721	-5,611	-4,731	-1,773
Water Year Types[b]												
Wet (32%)	-1,100	-1,092	-2,306	3,921	5,529	6,044	3,148	2,741	-818	-5,831	-4,636	918
Above Normal (15%)	-1,383	-1,929	-5,122	370	1,323	1,821	618	304	-2,420	-6,768	-5,883	-495
Below Normal (17%)	-1,045	-2,253	-6,057	-2,333	-1,215	-1,752	-650	-681	-2,241	-7,235	-5,765	-4,639
Dry (22%)	-1,675	-2,098	-5,827	-2,729	-2,863	-2,335	-1,216	-1,231	-1,974	-5,150	-4,334	-4,068
Critical (15%)	-1,871	-2,688	-4,884	-2,328	-2,746	-1,652	-1,196	-1,007	-1,994	-2,774	-3,173	-2,099

Alternative 2A,2B,2C (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	2,757	3,743	2,778	7,084	7,674	8,253	458	537	2,020	2,169	660	4,846
20%	3,152	4,880	860	3,907	4,695	3,431	**-300**	**-520**	1,152	3,685	3,588	5,095
30%	3,396	5,060	1,508	3,355	4,365	3,597	**-782**	**-366**	1,684	3,719	4,081	5,544
40%	2,387	5,167	1,479	2,651	4,305	3,106	**-443**	**-358**	1,706	3,764	5,215	6,231
50%	2,572	1,584	629	3,503	2,946	2,762	**-245**	**-125**	1,467	4,084	5,663	5,265
60%	2,826	1,961	854	2,501	2,663	2,764	**-135**	**-269**	1,313	4,006	5,623	4,246
70%	2,957	2,425	1,760	1,713	2,224	2,900	**-604**	**-223**	1,774	3,564	5,488	4,478
80%	3,232	2,579	1,218	1,500	1,479	2,177	**-752**	**-29**	1,500	2,306	5,191	5,224
90%	3,613	4,856	1,559	1,000	1,000	1,500	**-866**	1	1,500	1,213	3,321	5,352
Long Term												
Full Simulation Period[a]	3,056	3,769	1,646	3,188	3,673	3,616	**-123**	224	1,782	2,862	3,873	5,095
Water Year Types[b]												
Wet (32%)	3,948	5,435	3,286	5,527	7,822	7,497	733	1,186	3,552	2,868	5,882	8,499
Above Normal (15%)	2,265	4,074	1,928	3,816	4,469	5,635	**-169**	**-91**	2,034	1,195	5,102	8,507
Below Normal (17%)	3,748	3,289	983	1,470	2,075	2,083	**-864**	**-443**	1,178	2,707	3,609	3,753
Dry (22%)	2,429	2,909	1,179	1,947	639	279	**-601**	**-221**	617	4,355	2,926	1,097
Critical (15%)	2,050	1,702	**-710**	1,357	301	**-16**	**-351**	**-95**	148	2,460	18	1,867

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-9-16. Old and Middle River, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	-2,307	-2,732	-3,112	-1,913	-666	-516	3,341	2,388	-2,020	-3,934	-3,518	-3,951
20%	-3,130	-4,028	-4,127	-2,823	-2,240	-1,174	1,905	951	-2,077	-6,321	-6,590	-4,345
30%	-3,797	-4,322	-5,637	-3,355	-2,758	-1,985	1,349	482	-2,930	-7,738	-7,556	-4,939
40%	-4,116	-4,530	-5,871	-3,355	-3,500	-2,878	717	286	-3,500	-8,482	-9,121	-5,886
50%	-4,584	-5,080	-5,871	-4,369	-3,609	-3,500	339	-57	-3,500	-9,418	-9,988	-6,803
60%	-4,937	-5,801	-6,242	-4,710	-4,186	-4,052	-211	-447	-3,500	-9,958	-10,512	-7,936
70%	-5,246	-6,425	-8,125	-4,782	-5,000	-5,000	-546	-928	-4,440	-10,277	-10,789	-8,494
80%	-5,581	-7,019	-8,982	-5,000	-5,000	-5,000	-889	-1,150	-5,000	-10,476	-11,021	-9,618
90%	-6,035	-9,856	-9,559	-5,000	-5,000	-5,000	-1,134	-1,359	-5,000	-10,914	-11,161	-10,135
Long Term												
Full Simulation Period[a]	-4,427	-5,636	-6,155	-3,228	-2,964	-2,487	659	155	-3,504	-8,473	-8,604	-6,868
Water Year Types[b]												
Wet (32%)	-5,049	-6,527	-5,591	-1,606	-2,293	-1,454	2,415	1,555	-4,369	-8,699	-10,518	-7,580
Above Normal (15%)	-3,648	-6,003	-7,050	-3,446	-3,147	-3,815	787	396	-4,454	-7,962	-10,985	-9,002
Below Normal (17%)	-4,793	-5,542	-7,040	-3,803	-3,290	-3,834	214	-237	-3,420	-9,942	-9,374	-8,392
Dry (22%)	-4,103	-5,007	-7,006	-4,675	-3,502	-2,614	-615	-1,010	-2,592	-9,505	-7,259	-5,165
Critical (15%)	-3,920	-4,389	-4,173	-3,684	-3,047	-1,636	-845	-911	-2,143	-5,234	-3,192	-3,966

Alternative 3 (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	-2,295	-2,590	-2,701	231	1,976	4,812	2,393	1,512	-810	-1,500	-2,473	-2,718
20%	-3,210	-4,349	-4,035	-821	879	1,163	-466	-513	-1,269	-1,948	-2,785	-3,642
30%	-4,305	-4,641	-5,406	-1,926	-532	-138	-1,150	-1,033	-1,553	-2,985	-2,996	-4,174
40%	-4,675	-4,792	-5,871	-2,823	-1,696	-980	-1,150	-1,150	-1,688	-3,841	-3,553	-4,316
50%	-5,165	-4,994	-5,871	-2,998	-2,666	-1,652	-1,643	-1,150	-1,949	-4,748	-3,865	-4,513
60%	-5,449	-5,366	-6,352	-3,355	-2,797	-2,390	-2,000	-1,519	-2,869	-5,280	-4,234	-4,737
70%	-5,898	-5,728	-7,688	-3,481	-3,500	-2,919	-2,331	-2,001	-3,500	-5,959	-4,961	-4,943
80%	-6,166	-6,317	-9,007	-4,710	-4,295	-3,500	-2,769	-2,499	-3,500	-7,670	-5,816	-5,189
90%	-6,596	-7,717	-9,412	-5,000	-5,000	-3,500	-3,146	-3,047	-4,817	-10,321	-6,269	-5,788
Long Term												
Full Simulation Period[a]	-4,789	-5,243	-5,845	-1,807	-1,058	-135	-1,114	-934	-2,369	-5,080	-4,416	-4,411
Water Year Types[b]												
Wet (32%)	-5,121	-5,959	-4,502	532	2,061	3,772	438	434	-2,663	-5,716	-4,552	-5,003
Above Normal (15%)	-4,602	-5,307	-6,087	-2,261	-1,359	-1,592	-2,013	-1,997	-3,918	-5,241	-5,739	-5,430
Below Normal (17%)	-4,918	-5,443	-6,635	-3,853	-2,104	-1,910	-2,398	-2,003	-2,077	-6,272	-4,964	-4,533
Dry (22%)	-4,826	-5,030	-7,006	-3,466	-3,384	-2,391	-1,740	-1,481	-1,640	-4,542	-3,939	-4,031
Critical (15%)	-4,051	-3,714	-5,849	-1,542	-2,809	-1,687	-1,140	-767	-1,616	-2,958	-2,872	-2,536

Alternative 3 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	12	142	410	2,144	2,641	5,329	**-948**	**-875**	1,211	2,434	1,045	1,232
20%	**-80**	**-321**	92	2,001	3,118	2,337	**-2,371**	**-1,464**	807	4,372	3,804	703
30%	**-508**	**-319**	231	1,429	2,226	1,848	**-2,500**	**-1,516**	1,377	4,752	4,560	764
40%	**-559**	**-262**	0	532	1,804	1,898	**-1,867**	**-1,437**	1,812	4,641	5,568	1,570
50%	**-580**	85	0	1,370	943	1,848	**-1,982**	**-1,094**	1,551	4,669	6,123	2,290
60%	**-511**	434	**-110**	1,355	1,389	1,662	**-1,789**	**-1,072**	631	4,678	6,278	3,200
70%	**-651**	697	436	1,301	1,500	2,081	**-1,785**	**-1,073**	940	4,318	5,828	3,551
80%	**-584**	702	**-25**	290	705	1,500	**-1,880**	**-1,348**	1,500	2,806	5,205	4,430
90%	**-561**	2,139	147	0	0	1,500	**-2,012**	**-1,688**	183	593	4,892	4,347
Long Term												
Full Simulation Period[a]	**-362**	393	310	1,422	1,905	2,352	**-1,773**	**-1,089**	1,135	3,393	4,188	2,457
Water Year Types[b]												
Wet (32%)	**-72**	568	1,090	2,138	4,354	5,225	**-1,978**	**-1,121**	1,707	2,983	5,966	2,578
Above Normal (15%)	**-953**	696	963	1,185	1,788	2,223	**-2,800**	**-2,393**	535	2,721	5,246	3,572
Below Normal (17%)	**-125**	99	406	**-51**	1,186	1,924	**-2,611**	**-1,765**	1,343	3,670	4,410	3,859
Dry (22%)	**-723**	**-23**	**-1**	1,209	118	223	**-1,125**	**-471**	951	4,963	3,321	1,134
Critical (15%)	**-131**	675	**-1,675**	2,142	239	**-50**	**-295**	145	526	2,275	320	1,430

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-9-17. Old and Middle River, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	-2,307	-2,732	-3,112	-1,913	-666	-516	3,341	2,388	-2,020	-3,934	-3,518	-3,951
20%	-3,130	-4,028	-4,127	-2,823	-2,240	-1,174	1,905	951	-2,077	-6,321	-6,590	-4,345
30%	-3,797	-4,322	-5,637	-3,355	-2,758	-1,985	1,349	482	-2,930	-7,738	-7,556	-4,939
40%	-4,116	-4,530	-5,871	-3,355	-3,500	-2,878	717	286	-3,500	-8,482	-9,121	-5,886
50%	-4,584	-5,080	-5,871	-4,369	-3,609	-3,500	339	-57	-3,500	-9,418	-9,988	-6,803
60%	-4,937	-5,801	-6,242	-4,710	-4,186	-4,052	-211	-447	-3,500	-9,958	-10,512	-7,936
70%	-5,246	-6,425	-8,125	-4,782	-5,000	-5,000	-546	-928	-4,440	-10,277	-10,789	-8,494
80%	-5,581	-7,019	-8,982	-5,000	-5,000	-5,000	-889	-1,150	-5,000	-10,476	-11,021	-9,618
90%	-6,035	-9,856	-9,559	-5,000	-5,000	-5,000	-1,134	-1,359	-5,000	-10,914	-11,161	-10,135
Long Term												
Full Simulation Period[a]	-4,427	-5,636	-6,155	-3,228	-2,964	-2,487	659	155	-3,504	-8,473	-8,604	-6,868
Water Year Types[b]												
Wet (32%)	-5,049	-6,527	-5,591	-1,606	-2,293	-1,454	2,415	1,555	-4,369	-8,699	-10,518	-7,580
Above Normal (15%)	-3,648	-6,003	-7,050	-3,446	-3,147	-3,815	787	396	-4,454	-7,962	-10,985	-9,002
Below Normal (17%)	-4,793	-5,542	-7,040	-3,803	-3,290	-3,834	214	-237	-3,420	-9,942	-9,374	-8,392
Dry (22%)	-4,103	-5,007	-7,006	-4,675	-3,502	-2,614	-615	-1,010	-2,592	-9,505	-7,259	-5,165
Critical (15%)	-3,920	-4,389	-4,173	-3,684	-3,047	-1,636	-845	-911	-2,143	-5,234	-3,192	-3,966

Alternative 4 H1 (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	-1,749	-2,776	-2,021	980	3,337	5,734	2,469	1,979	-377	-1,808	-2,859	-2,373
20%	-2,044	-3,703	-3,936	-638	1,254	1,349	663	382	-1,093	-2,440	-3,317	-3,404
30%	-2,095	-3,944	-4,170	-822	0	0	348	52	-1,318	-3,857	-3,558	-3,909
40%	-2,114	-4,189	-4,339	-1,721	-734	-295	232	-85	-1,811	-4,879	-3,913	-4,193
50%	-2,177	-4,445	-5,162	-2,823	-2,030	-939	-55	-294	-2,136	-6,226	-4,257	-4,404
60%	-2,222	-4,742	-5,387	-3,355	-2,674	-1,453	-382	-770	-2,184	-7,343	-4,883	-4,563
70%	-2,313	-4,988	-6,035	-3,452	-2,970	-2,687	-1,150	-1,150	-3,451	-8,214	-5,725	-4,752
80%	-2,373	-5,000	-7,228	-3,500	-3,524	-3,000	-1,522	-1,197	-3,500	-9,994	-6,669	-4,911
90%	-2,435	-5,000	-7,914	-4,971	-4,000	-3,500	-2,000	-1,809	-3,500	-11,484	-8,138	-5,470
Long Term												
Full Simulation Period[a]	-2,112	-4,054	-4,607	-1,167	-430	446	205	133	-1,926	-6,380	-5,071	-4,111
Water Year Types[b]												
Wet (32%)	-2,125	-3,778	-2,946	1,767	3,398	4,965	2,299	2,194	-1,281	-7,132	-4,981	-4,142
Above Normal (15%)	-2,165	-4,201	-5,139	-1,351	-610	592	-38	-108	-2,602	-8,020	-6,519	-5,216
Below Normal (17%)	-1,991	-4,621	-6,025	-2,681	-2,187	-2,496	-537	-742	-2,291	-7,396	-6,023	-4,304
Dry (22%)	-2,165	-4,176	-5,556	-2,976	-2,876	-2,449	-1,170	-1,263	-2,154	-6,108	-4,755	-4,235
Critical (15%)	-2,096	-3,656	-4,600	-2,862	-2,821	-1,718	-1,157	-976	-1,881	-2,333	-3,182	-2,529

Alternative 4 H1 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	558	**-44**	1,091	2,893	4,002	6,251	**-872**	**-409**	1,644	2,126	658	1,578
20%	1,085	325	191	2,185	3,494	2,523	**-1,241**	**-569**	984	3,880	3,273	940
30%	1,701	378	1,468	2,533	2,758	1,985	**-1,001**	**-430**	1,612	3,880	3,999	1,030
40%	2,002	342	1,532	1,634	2,766	2,582	**-484**	**-371**	1,689	3,603	5,208	1,693
50%	2,408	634	709	1,546	1,579	2,561	**-394**	**-237**	1,364	3,192	5,731	2,399
60%	2,715	1,058	854	1,355	1,512	2,598	**-171**	**-322**	1,316	2,615	5,629	3,373
70%	2,933	1,438	2,090	1,330	2,030	2,313	**-604**	**-223**	988	2,064	5,064	3,742
80%	3,208	2,019	1,754	1,500	1,476	2,000	**-633**	**-46**	1,500	482	4,351	4,708
90%	3,599	4,856	1,645	29	1,000	1,500	**-866**	**-449**	1,500	**-570**	3,022	4,665
Long Term												
Full Simulation Period[a]	2,315	1,582	1,548	2,061	2,534	2,933	**-453**	**-22**	1,577	2,093	3,533	2,757
Water Year Types[b]												
Wet (32%)	2,924	2,749	2,645	3,373	5,691	6,418	**-116**	639	3,088	1,567	5,537	3,439
Above Normal (15%)	1,483	1,802	1,911	2,095	2,536	4,406	**-826**	**-504**	1,851	**-57**	4,465	3,786
Below Normal (17%)	2,802	921	1,016	1,121	1,103	1,338	**-751**	**-504**	1,129	2,546	3,351	4,088
Dry (22%)	1,939	830	1,450	1,699	626	165	**-555**	**-253**	438	3,397	2,505	930
Critical (15%)	1,824	733	**-426**	823	227	**-82**	**-312**	**-64**	262	2,901	10	1,437

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-9-18. Old and Middle River, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	-2,307	-2,732	-3,112	-1,913	-666	-516	3,341	2,388	-2,020	-3,934	-3,518	-3,951
20%	-3,130	-4,028	-4,127	-2,823	-2,240	-1,174	1,905	951	-2,077	-6,321	-6,590	-4,345
30%	-3,797	-4,322	-5,637	-3,355	-2,758	-1,985	1,349	482	-2,930	-7,738	-7,556	-4,939
40%	-4,116	-4,530	-5,871	-3,355	-3,500	-2,878	717	286	-3,500	-8,482	-9,121	-5,886
50%	-4,584	-5,080	-5,871	-4,369	-3,609	-3,500	339	-57	-3,500	-9,418	-9,988	-6,803
60%	-4,937	-5,801	-6,242	-4,710	-4,186	-4,052	-211	-447	-3,500	-9,958	-10,512	-7,936
70%	-5,246	-6,425	-8,125	-4,782	-5,000	-5,000	-546	-928	-4,440	-10,277	-10,789	-8,494
80%	-5,581	-7,019	-8,982	-5,000	-5,000	-5,000	-889	-1,150	-5,000	-10,476	-11,021	-9,618
90%	-6,035	-9,856	-9,559	-5,000	-5,000	-5,000	-1,134	-1,359	-5,000	-10,914	-11,161	-10,135
Long Term												
Full Simulation Period[a]	-4,427	-5,636	-6,155	-3,228	-2,964	-2,487	659	155	-3,504	-8,473	-8,604	-6,868
Water Year Types[b]												
Wet (32%)	-5,049	-6,527	-5,591	-1,606	-2,293	-1,454	2,415	1,555	-4,369	-8,699	-10,518	-7,580
Above Normal (15%)	-3,648	-6,003	-7,050	-3,446	-3,147	-3,815	787	396	-4,454	-7,962	-10,985	-9,002
Below Normal (17%)	-4,793	-5,542	-7,040	-3,803	-3,290	-3,834	214	-237	-3,420	-9,942	-9,374	-8,392
Dry (22%)	-4,103	-5,007	-7,006	-4,675	-3,502	-2,614	-615	-1,010	-2,592	-9,505	-7,259	-5,165
Critical (15%)	-3,920	-4,389	-4,173	-3,684	-3,047	-1,636	-845	-911	-2,143	-5,234	-3,192	-3,966

Alternative 4 H2 (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	-1,657	-3,263	-2,243	1,222	3,328	6,891	3,081	2,139	70	-1,587	-2,878	-2,169
20%	-2,042	-3,640	-3,709	-515	970	2,149	1,417	827	-208	-2,126	-3,300	-3,692
30%	-2,103	-3,947	-4,043	-779	0	1,227	696	535	-513	-3,144	-3,933	-4,045
40%	-2,142	-4,102	-4,252	-1,496	-619	420	529	286	-787	-4,496	-4,236	-4,277
50%	-2,201	-4,199	-4,712	-2,823	-1,390	0	334	-14	-995	-4,899	-4,938	-4,404
60%	-2,292	-4,383	-5,278	-3,319	-2,625	-443	105	-189	-1,292	-6,172	-6,196	-4,586
70%	-2,339	-4,675	-5,455	-3,355	-2,973	-848	-204	-729	-1,900	-7,128	-6,862	-4,755
80%	-2,378	-4,970	-6,142	-3,500	-3,596	-1,870	-670	-1,132	-2,177	-8,501	-7,311	-5,074
90%	-2,436	-5,000	-7,405	-4,948	-4,000	-2,823	-973	-1,334	-3,238	-9,777	-7,975	-5,777
Long Term												
Full Simulation Period[a]	-2,092	-3,975	-4,394	-1,199	-296	1,357	795	449	-1,133	-5,452	-5,367	-4,231
Water Year Types[b]												
Wet (32%)	-1,984	-3,829	-3,107	1,667	3,604	5,723	2,733	2,422	65	-5,474	-4,974	-4,113
Above Normal (15%)	-2,150	-3,999	-4,927	-1,640	-352	1,057	796	420	-1,337	-4,820	-6,433	-5,139
Below Normal (17%)	-1,943	-4,264	-5,501	-2,660	-2,150	-561	217	-217	-1,784	-6,990	-6,685	-4,984
Dry (22%)	-2,265	-4,010	-5,202	-2,844	-2,822	-1,391	-407	-1,017	-1,914	-6,452	-5,560	-4,479
Critical (15%)	-2,181	-3,878	-4,150	-2,793	-2,738	-1,442	-926	-819	-1,595	-2,743	-3,325	-2,332

Alternative 4 H2 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	650	**-531**	868	3,135	3,993	7,407	**-259**	**-249**	2,091	2,346	640	1,782
20%	1,088	388	417	2,307	3,210	3,323	**-487**	**-124**	1,869	4,195	3,289	653
30%	1,694	375	1,594	2,576	2,758	3,212	**-653**	53	2,417	4,593	3,624	894
40%	1,974	428	1,619	1,859	2,881	3,298	**-187**	**0**	2,713	3,987	4,885	1,609
50%	2,384	880	1,159	1,546	2,219	3,500	**-5**	43	2,505	4,519	5,050	2,399
60%	2,646	1,417	963	1,391	1,560	3,609	316	258	2,208	3,785	4,316	3,351
70%	2,908	1,750	2,670	1,427	2,027	4,152	342	198	2,540	3,149	3,927	3,739
80%	3,203	2,048	2,840	1,500	1,404	3,130	218	18	2,823	1,975	3,710	4,544
90%	3,599	4,856	2,154	52	1,000	2,177	161	25	1,762	1,137	3,186	4,358
Long Term												
Full Simulation Period[a]	2,336	1,661	1,761	2,030	2,668	3,844	137	294	2,370	3,021	3,236	2,636
Water Year Types[b]												
Wet (32%)	3,064	2,698	2,485	3,273	5,897	7,177	318	866	4,434	3,225	5,544	3,468
Above Normal (15%)	1,499	2,004	2,124	1,806	2,795	4,872	9	24	3,117	3,142	4,551	3,863
Below Normal (17%)	2,850	1,278	1,540	1,143	1,140	3,273	3	20	1,636	2,952	2,689	3,408
Dry (22%)	1,838	997	1,803	1,832	680	1,222	209	**-7**	678	3,053	1,699	686
Critical (15%)	1,740	511	23	891	309	194	**-80**	92	548	2,491	**-133**	1,634

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-9-19. Old and Middle River, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	-2,307	-2,732	-3,112	-1,913	-666	-516	3,341	2,388	-2,020	-3,934	-3,518	-3,951
20%	-3,130	-4,028	-4,127	-2,823	-2,240	-1,174	1,905	951	-2,077	-6,321	-6,590	-4,345
30%	-3,797	-4,322	-5,637	-3,355	-2,758	-1,985	1,349	482	-2,930	-7,738	-7,556	-4,939
40%	-4,116	-4,530	-5,871	-3,355	-3,500	-2,878	717	286	-3,500	-8,482	-9,121	-5,886
50%	-4,584	-5,080	-5,871	-4,369	-3,609	-3,500	339	-57	-3,500	-9,418	-9,988	-6,803
60%	-4,937	-5,801	-6,242	-4,710	-4,186	-4,052	-211	-447	-3,500	-9,958	-10,512	-7,936
70%	-5,246	-6,425	-8,125	-4,782	-5,000	-5,000	-546	-928	-4,440	-10,277	-10,789	-8,494
80%	-5,581	-7,019	-8,982	-5,000	-5,000	-5,000	-889	-1,150	-5,000	-10,476	-11,021	-9,618
90%	-6,035	-9,856	-9,559	-5,000	-5,000	-5,000	-1,134	-1,359	-5,000	-10,914	-11,161	-10,135
Long Term												
Full Simulation Period[a]	-4,427	-5,636	-6,155	-3,228	-2,964	-2,487	659	155	-3,504	-8,473	-8,604	-6,868
Water Year Types[b]												
Wet (32%)	-5,049	-6,527	-5,591	-1,606	-2,293	-1,454	2,415	1,555	-4,369	-8,699	-10,518	-7,580
Above Normal (15%)	-3,648	-6,003	-7,050	-3,446	-3,147	-3,815	787	396	-4,454	-7,962	-10,985	-9,002
Below Normal (17%)	-4,793	-5,542	-7,040	-3,803	-3,290	-3,834	214	-237	-3,420	-9,942	-9,374	-8,392
Dry (22%)	-4,103	-5,007	-7,006	-4,675	-3,502	-2,614	-615	-1,010	-2,592	-9,505	-7,259	-5,165
Critical (15%)	-3,920	-4,389	-4,173	-3,684	-3,047	-1,636	-845	-911	-2,143	-5,234	-3,192	-3,966

Alternative 4 H3 (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	452	994	-2,222	462	2,766	5,097	2,434	1,979	-520	-1,855	-2,783	890
20%	203	838	-3,936	-210	477	1,265	662	381	-1,093	-2,900	-3,265	798
30%	-195	714	-4,129	-702	0	0	376	29	-1,378	-4,232	-3,771	626
40%	-1,664	-79	-4,323	-1,032	-636	-379	237	-85	-1,867	-4,963	-4,198	233
50%	-1,978	-3,503	-5,145	-2,823	-1,587	-911	-37	-296	-2,138	-5,783	-4,534	-1,903
60%	-2,107	-3,817	-5,387	-3,286	-2,691	-1,453	-386	-738	-2,273	-7,415	-4,901	-3,227
70%	-2,247	-4,117	-5,977	-3,355	-2,968	-2,304	-1,150	-1,150	-3,500	-8,479	-5,637	-3,918
80%	-2,343	-4,457	-7,810	-3,500	-3,864	-2,991	-1,844	-1,190	-3,500	-9,770	-7,109	-4,410
90%	-2,415	-5,000	-8,000	-4,971	-4,000	-3,500	-2,000	-1,791	-3,500	-11,002	-9,256	-4,841
Long Term												
Full Simulation Period[a]	-1,333	-2,013	-4,764	-1,097	-570	333	181	148	-1,981	-6,373	-5,221	-1,819
Water Year Types[b]												
Wet (32%)	-1,077	-1,323	-3,285	1,693	3,000	4,583	2,284	2,208	-1,392	-7,313	-5,487	843
Above Normal (15%)	-1,374	-1,928	-5,370	-1,202	-621	580	-26	-200	-2,602	-8,080	-6,488	-533
Below Normal (17%)	-1,055	-2,148	-6,011	-2,676	-2,149	-2,638	-687	-681	-2,352	-7,767	-6,365	-4,686
Dry (22%)	-1,630	-2,393	-5,547	-2,769	-2,909	-2,352	-1,168	-1,196	-2,175	-5,370	-4,552	-4,062
Critical (15%)	-1,726	-2,864	-4,734	-2,686	-2,902	-1,627	-1,135	-983	-1,914	-2,511	-3,047	-2,163

Alternative 4 H3 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	2,759	3,726	890	2,375	3,432	5,613	**-907**	**-409**	1,500	2,079	735	4,841
20%	3,332	4,866	191	2,613	2,716	2,440	**-1,242**	**-570**	984	3,420	3,324	5,143
30%	3,602	5,036	1,508	2,652	2,758	1,985	**-973**	**-453**	1,552	3,505	3,786	5,565
40%	2,451	4,451	1,548	2,323	2,864	2,499	**-480**	**-371**	1,633	3,520	4,923	6,119
50%	2,607	1,577	726	1,546	2,022	2,589	**-376**	**-239**	1,362	3,634	5,454	4,900
60%	2,831	1,983	854	1,424	1,495	2,598	**-176**	**-291**	1,227	2,543	5,611	4,710
70%	3,000	2,309	2,147	1,427	2,032	2,696	**-604**	**-223**	940	1,798	5,152	4,576
80%	3,238	2,562	1,172	1,500	1,136	2,009	**-955**	**-40**	1,500	706	3,912	5,209
90%	3,620	4,856	1,559	29	1,000	1,500	**-866**	**-431**	1,500	**-89**	1,905	5,294
Long Term												
Full Simulation Period[a]	3,094	3,623	1,391	2,131	2,394	2,820	**-478**	**-8**	1,522	2,100	3,383	5,049
Water Year Types[b]												
Wet (32%)	3,972	5,204	2,307	3,298	5,293	6,036	**-131**	652	2,978	1,386	5,031	8,424
Above Normal (15%)	2,274	4,075	1,680	2,244	2,526	4,394	**-813**	**-596**	1,851	**-117**	4,497	8,469
Below Normal (17%)	3,738	3,394	1,029	1,126	1,142	1,197	**-901**	**-443**	1,068	2,175	3,009	3,706
Dry (22%)	2,473	2,613	1,459	1,906	592	262	**-553**	**-186**	417	4,135	2,708	1,103
Critical (15%)	2,195	1,525	**-561**	998	145	9	**-290**	**-72**	228	2,723	145	1,803

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-9-20. Old and Middle River, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-2,307	-2,732	-3,112	-1,913	-666	-516	3,341	2,388	-2,020	-3,934	-3,518	-3,951
20%	-3,130	-4,028	-4,127	-2,823	-2,240	-1,174	1,905	951	-2,077	-6,321	-6,590	-4,345
30%	-3,797	-4,322	-5,637	-3,355	-2,758	-1,985	1,349	482	-2,930	-7,738	-7,556	-4,939
40%	-4,116	-4,530	-5,871	-3,355	-3,500	-2,878	717	286	-3,500	-8,482	-9,121	-5,886
50%	-4,584	-5,080	-5,871	-4,369	-3,609	-3,500	339	-57	-3,500	-9,418	-9,988	-6,803
60%	-4,937	-5,801	-6,242	-4,710	-4,186	-4,052	-211	-447	-3,500	-9,958	-10,512	-7,936
70%	-5,246	-6,425	-8,125	-4,782	-5,000	-5,000	-546	-928	-4,440	-10,277	-10,789	-8,494
80%	-5,581	-7,019	-8,982	-5,000	-5,000	-5,000	-889	-1,150	-5,000	-10,476	-11,021	-9,618
90%	-6,035	-9,856	-9,559	-5,000	-5,000	-5,000	-1,134	-1,359	-5,000	-10,914	-11,161	-10,135
Long Term												
Full Simulation Period[a]	-4,427	-5,636	-6,155	-3,228	-2,964	-2,487	659	155	-3,504	-8,473	-8,604	-6,868
Water Year Types[b]												
Wet (32%)	-5,049	-6,527	-5,591	-1,606	-2,293	-1,454	2,415	1,555	-4,369	-8,699	-10,518	-7,580
Above Normal (15%)	-3,648	-6,003	-7,050	-3,446	-3,147	-3,815	787	396	-4,454	-7,962	-10,985	-9,002
Below Normal (17%)	-4,793	-5,542	-7,040	-3,803	-3,290	-3,834	214	-237	-3,420	-9,942	-9,374	-8,392
Dry (22%)	-4,103	-5,007	-7,006	-4,675	-3,502	-2,614	-615	-1,010	-2,592	-9,505	-7,259	-5,165
Critical (15%)	-3,920	-4,389	-4,173	-3,684	-3,047	-1,636	-845	-911	-2,143	-5,234	-3,192	-3,966

Alternative 4 H4 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	481	983	-2,655	449	3,328	5,577	2,632	2,139	70	-1,594	-2,941	941
20%	178	837	-3,844	-303	582	1,751	1,418	826	-206	-2,352	-3,418	741
30%	-296	706	-4,045	-715	0	1,070	718	594	-635	-3,401	-3,857	640
40%	-1,511	-54	-4,323	-936	-669	420	524	143	-832	-4,249	-4,300	397
50%	-2,012	-3,268	-4,999	-2,823	-1,468	-42	334	-39	-1,088	-4,838	-4,704	-1,957
60%	-2,198	-3,784	-5,293	-3,315	-2,622	-503	217	-189	-1,555	-5,596	-6,334	-3,897
70%	-2,318	-4,031	-5,552	-3,355	-2,967	-945	-282	-625	-1,972	-6,716	-6,906	-4,171
80%	-2,349	-4,246	-6,956	-3,500	-3,672	-1,688	-522	-1,058	-2,220	-7,648	-7,484	-4,663
90%	-2,434	-4,902	-7,837	-4,687	-4,000	-2,823	-1,081	-1,316	-3,482	-9,712	-8,104	-5,159
Long Term												
Full Simulation Period[a]	-1,353	-1,953	-4,655	-1,144	-410	1,156	784	467	-1,182	-5,271	-5,412	-1,930
Water Year Types[b]												
Wet (32%)	-1,020	-1,513	-3,433	1,725	3,336	5,063	2,633	2,409	-175	-5,689	-5,117	904
Above Normal (15%)	-1,360	-1,888	-5,265	-1,692	-566	1,049	822	407	-1,254	-4,950	-5,709	-257
Below Normal (17%)	-1,039	-1,904	-5,921	-2,663	-2,120	-449	280	-212	-1,977	-6,867	-6,814	-4,786
Dry (22%)	-1,696	-2,141	-5,140	-2,789	-2,815	-1,417	-392	-910	-1,686	-5,342	-5,783	-4,620
Critical (15%)	-1,920	-2,743	-4,488	-2,571	-2,766	-1,470	-906	-827	-1,612	-2,718	-3,561	-2,377

Alternative 4 H4 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,788	3,716	456	2,363	3,993	6,094	**-708**	**-249**	2,091	2,340	577	4,892
20%	3,308	4,865	283	2,519	2,822	2,925	**-486**	**-124**	1,871	3,968	3,172	5,086
30%	3,500	5,029	1,592	2,640	2,758	3,055	**-631**	111	2,295	4,337	3,699	5,579
40%	2,604	4,476	1,548	2,419	2,831	3,298	**-193**	**-144**	2,668	4,234	4,821	6,283
50%	2,573	1,811	872	1,546	2,141	3,458	**-5**	18	2,412	4,579	5,284	4,846
60%	2,739	2,017	949	1,395	1,564	3,549	427	258	1,945	4,362	4,178	4,039
70%	2,928	2,394	2,573	1,427	2,033	4,055	264	302	2,467	3,562	3,883	4,324
80%	3,232	2,772	2,025	1,500	1,328	3,312	367	93	2,780	2,828	3,537	4,956
90%	3,601	4,954	1,722	313	1,000	2,177	53	43	1,518	1,202	3,057	4,976
Long Term												
Full Simulation Period[a]	3,074	3,683	1,500	2,084	2,554	3,643	126	311	2,321	3,202	3,192	4,938
Water Year Types[b]												
Wet (32%)	4,029	5,014	2,158	3,330	5,629	6,517	218	854	4,194	3,010	5,401	8,485
Above Normal (15%)	2,288	4,115	1,785	1,755	2,580	4,864	35	11	3,200	3,012	5,276	8,745
Below Normal (17%)	3,753	3,638	1,119	1,140	1,170	3,386	67	26	1,443	3,075	2,560	3,606
Dry (22%)	2,407	2,865	1,866	1,886	687	1,197	223	100	906	4,164	1,476	545
Critical (15%)	2,000	1,647	**-315**	1,114	281	166	**-61**	84	531	2,516	**-369**	1,589

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-9-21. Old and Middle River, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-2,307	-2,732	-3,112	-1,913	-666	-516	3,341	2,388	-2,020	-3,934	-3,518	-3,951
20%	-3,130	-4,028	-4,127	-2,823	-2,240	-1,174	1,905	951	-2,077	-6,321	-6,590	-4,345
30%	-3,797	-4,322	-5,637	-3,355	-2,758	-1,985	1,349	482	-2,930	-7,738	-7,556	-4,939
40%	-4,116	-4,530	-5,871	-3,355	-3,500	-2,878	717	286	-3,500	-8,482	-9,121	-5,886
50%	-4,584	-5,080	-5,871	-4,369	-3,609	-3,500	339	-57	-3,500	-9,418	-9,988	-6,803
60%	-4,937	-5,801	-6,242	-4,710	-4,186	-4,052	-211	-447	-3,500	-9,958	-10,512	-7,936
70%	-5,246	-6,425	-8,125	-4,782	-5,000	-5,000	-546	-928	-4,440	-10,277	-10,789	-8,494
80%	-5,581	-7,019	-8,982	-5,000	-5,000	-5,000	-889	-1,150	-5,000	-10,476	-11,021	-9,618
90%	-6,035	-9,856	-9,559	-5,000	-5,000	-5,000	-1,134	-1,359	-5,000	-10,914	-11,161	-10,135
Long Term												
Full Simulation Period[a]	-4,427	-5,636	-6,155	-3,228	-2,964	-2,487	659	155	-3,504	-8,473	-8,604	-6,868
Water Year Types[b]												
Wet (32%)	-5,049	-6,527	-5,591	-1,606	-2,293	-1,454	2,415	1,555	-4,369	-8,699	-10,518	-7,580
Above Normal (15%)	-3,648	-6,003	-7,050	-3,446	-3,147	-3,815	787	396	-4,454	-7,962	-10,985	-9,002
Below Normal (17%)	-4,793	-5,542	-7,040	-3,803	-3,290	-3,834	214	-237	-3,420	-9,942	-9,374	-8,392
Dry (22%)	-4,103	-5,007	-7,006	-4,675	-3,502	-2,614	-615	-1,010	-2,592	-9,505	-7,259	-5,165
Critical (15%)	-3,920	-4,389	-4,173	-3,684	-3,047	-1,636	-845	-911	-2,143	-5,234	-3,192	-3,966

Alternative 5 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-422	396	-2,888	-224	-191	-210	3,338	2,607	-1,763	-1,990	-2,406	306
20%	-912	285	-4,531	-1,689	-1,431	-1,150	1,907	951	-2,038	-4,519	-2,800	-601
30%	-1,664	152	-5,871	-2,823	-2,089	-1,767	1,350	486	-2,133	-5,960	-3,583	-1,518
40%	-2,406	-2,301	-5,871	-3,035	-2,750	-2,540	758	276	-3,500	-7,636	-4,622	-2,042
50%	-2,844	-4,009	-5,871	-3,355	-3,167	-2,887	185	-8	-3,500	-8,590	-5,673	-2,932
60%	-3,448	-4,563	-7,308	-4,455	-3,516	-3,500	-278	-496	-3,500	-9,153	-6,991	-3,703
70%	-4,004	-4,738	-8,869	-4,710	-4,292	-3,500	-1,032	-650	-5,000	-9,869	-7,992	-4,220
80%	-4,896	-6,113	-9,209	-5,000	-5,000	-4,229	-1,173	-1,150	-5,000	-10,402	-8,996	-4,599
90%	-5,448	-7,986	-9,635	-5,000	-5,000	-5,000	-1,462	-1,210	-5,000	-11,033	-10,547	-4,885
Long Term												
Full Simulation Period[a]	-2,956	-3,356	-6,300	-2,634	-2,351	-1,874	547	268	-3,383	-7,508	-6,040	-2,760
Water Year Types[b]												
Wet (32%)	-3,334	-3,557	-5,304	-1,023	-1,070	-272	2,478	1,839	-4,285	-8,459	-7,231	-1,729
Above Normal (15%)	-2,779	-3,685	-6,790	-3,090	-2,437	-3,011	794	415	-4,250	-8,381	-8,718	-2,100
Below Normal (17%)	-2,599	-3,227	-6,966	-3,734	-2,698	-3,387	-7	-273	-3,518	-9,443	-7,020	-4,621
Dry (22%)	-2,913	-3,148	-7,764	-3,865	-3,338	-2,412	-954	-1,005	-2,376	-6,872	-3,956	-3,574
Critical (15%)	-2,796	-3,053	-4,995	-2,540	-3,157	-1,639	-984	-742	-1,912	-3,270	-2,764	-2,259

Alternative 5 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,885	3,129	223	1,689	475	306	**-2**	220	258	1,944	1,112	4,257
20%	2,218	4,313	**-405**	1,134	809	24	2	0	38	1,801	3,790	3,743
30%	2,133	4,475	**-234**	532	669	218	1	4	797	1,777	3,974	3,420
40%	1,710	2,229	0	319	750	338	42	**-10**	0	846	4,499	3,844
50%	1,741	1,071	0	1,014	442	613	**-154**	49	0	827	4,315	3,871
60%	1,489	1,238	**-1,066**	255	670	552	**-68**	**-49**	0	805	3,521	4,233
70%	1,243	1,687	**-744**	72	708	1,500	**-486**	277	**-560**	408	2,797	4,274
80%	686	906	**-228**	0	0	771	**-285**	0	0	74	2,024	5,020
90%	586	1,870	**-76**	0	0	0	**-329**	149	0	**-119**	614	5,251
Long Term												
Full Simulation Period[a]	1,471	2,280	**-145**	594	613	613	**-111**	113	121	965	2,564	4,108
Water Year Types[b]												
Wet (32%)	1,715	2,970	287	582	1,223	1,182	63	284	84	240	3,287	5,851
Above Normal (15%)	869	2,319	260	356	710	804	7	20	204	**-419**	2,266	6,902
Below Normal (17%)	2,194	2,315	75	68	592	447	**-221**	**-35**	**-98**	500	2,354	3,771
Dry (22%)	1,190	1,858	**-758**	811	164	202	**-339**	5	215	2,633	3,303	1,591
Critical (15%)	1,124	1,336	**-822**	1,144	**-110**	**-3**	**-139**	170	231	1,963	428	1,707

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-9-22. Old and Middle River, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	-2,307	-2,732	-3,112	-1,913	-666	-516	3,341	2,388	-2,020	-3,934	-3,518	-3,951
20%	-3,130	-4,028	-4,127	-2,823	-2,240	-1,174	1,905	951	-2,077	-6,321	-6,590	-4,345
30%	-3,797	-4,322	-5,637	-3,355	-2,758	-1,985	1,349	482	-2,930	-7,738	-7,556	-4,939
40%	-4,116	-4,530	-5,871	-3,355	-3,500	-2,878	717	286	-3,500	-8,482	-9,121	-5,886
50%	-4,584	-5,080	-5,871	-4,369	-3,609	-3,500	339	-57	-3,500	-9,418	-9,988	-6,803
60%	-4,937	-5,801	-6,242	-4,710	-4,186	-4,052	-211	-447	-3,500	-9,958	-10,512	-7,936
70%	-5,246	-6,425	-8,125	-4,782	-5,000	-5,000	-546	-928	-4,440	-10,277	-10,789	-8,494
80%	-5,581	-7,019	-8,982	-5,000	-5,000	-5,000	-889	-1,150	-5,000	-10,476	-11,021	-9,618
90%	-6,035	-9,856	-9,559	-5,000	-5,000	-5,000	-1,134	-1,359	-5,000	-10,914	-11,161	-10,135
Long Term												
Full Simulation Period[a]	-4,427	-5,636	-6,155	-3,228	-2,964	-2,487	659	155	-3,504	-8,473	-8,604	-6,868
Water Year Types[b]												
Wet (32%)	-5,049	-6,527	-5,591	-1,606	-2,293	-1,454	2,415	1,555	-4,369	-8,699	-10,518	-7,580
Above Normal (15%)	-3,648	-6,003	-7,050	-3,446	-3,147	-3,815	787	396	-4,454	-7,962	-10,985	-9,002
Below Normal (17%)	-4,793	-5,542	-7,040	-3,803	-3,290	-3,834	214	-237	-3,420	-9,942	-9,374	-8,392
Dry (22%)	-4,103	-5,007	-7,006	-4,675	-3,502	-2,614	-615	-1,010	-2,592	-9,505	-7,259	-5,165
Critical (15%)	-3,920	-4,389	-4,173	-3,684	-3,047	-1,636	-845	-911	-2,143	-5,234	-3,192	-3,966

Alternative 6A,6B,6C (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	458	411	2,073	5,319	7,327	7,742	6,476	5,536	1,189	651	404	646
20%	384	345	1,357	2,778	3,869	4,273	3,722	2,433	523	-22	207	520
30%	328	291	1,126	2,046	3,268	3,225	2,782	1,937	173	-260	85	461
40%	281	266	1,001	1,443	2,336	2,020	2,315	1,739	-103	-382	10	405
50%	245	245	925	1,270	1,508	1,246	1,881	1,607	-220	-470	-56	354
60%	213	231	852	1,198	1,171	1,006	1,255	981	-358	-561	-110	310
70%	186	202	812	1,061	1,053	831	993	653	-494	-636	-182	255
80%	111	180	717	945	970	687	731	485	-543	-719	-224	202
90%	40	159	678	874	886	549	427	268	-717	-795	-273	166
Long Term												
Full Simulation Period[a]	279	324	1,548	2,809	3,296	3,324	2,633	2,249	232	-221	-1	394
Water Year Types[b]												
Wet (32%)	393	483	2,727	5,690	6,242	7,130	5,096	4,675	1,336	468	255	630
Above Normal (15%)	197	219	1,271	2,631	3,367	3,148	2,617	2,092	215	-294	71	401
Below Normal (17%)	251	297	1,130	1,477	2,514	1,956	2,020	1,553	-162	-534	-90	349
Dry (22%)	280	267	911	1,108	1,173	889	1,031	673	-493	-612	-151	271
Critical (15%)	142	200	714	850	935	501	433	322	-594	-690	-297	114

Alternative 6A,6B,6C (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	2,765	3,143	5,185	7,232	7,992	8,258	3,135	3,148	3,209	4,585	3,922	4,597
20%	3,514	4,373	5,483	5,601	6,109	5,447	1,817	1,482	2,600	6,299	6,796	4,865
30%	4,125	4,613	6,763	5,401	6,025	5,211	1,433	1,455	3,103	7,478	7,641	5,400
40%	4,396	4,796	6,872	4,798	5,836	4,898	1,598	1,453	3,397	8,100	9,131	6,291
50%	4,829	5,325	6,796	5,639	5,117	4,746	1,542	1,664	3,280	8,947	9,932	7,156
60%	5,150	6,032	7,094	5,908	5,357	5,058	1,466	1,428	3,142	9,397	10,402	8,246
70%	5,433	6,627	8,937	5,843	6,053	5,831	1,539	1,581	3,945	9,641	10,607	8,749
80%	5,692	7,199	9,699	5,945	5,970	5,687	1,619	1,635	4,457	9,757	10,797	9,820
90%	6,075	10,016	10,237	5,874	5,886	5,549	1,561	1,627	4,283	10,119	10,888	10,302
Long Term												
Full Simulation Period[a]	4,706	5,959	7,703	6,037	6,259	5,811	1,975	2,093	3,736	8,252	8,603	7,262
Water Year Types[b]												
Wet (32%)	5,442	7,010	8,318	7,296	8,535	8,583	2,681	3,120	5,705	9,168	10,773	8,210
Above Normal (15%)	3,845	6,222	8,321	6,077	6,514	6,962	1,830	1,696	4,669	7,668	11,056	9,403
Below Normal (17%)	5,044	5,839	8,170	5,280	5,804	5,790	1,806	1,791	3,258	9,408	9,284	8,742
Dry (22%)	4,384	5,274	7,917	5,783	4,675	3,503	1,646	1,683	2,099	8,893	7,108	5,436
Critical (15%)	4,062	4,589	4,888	4,535	3,982	2,137	1,278	1,234	1,548	4,544	2,894	4,079

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-9-23. Old and Middle River, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	-2,307	-2,732	-3,112	-1,913	-666	-516	3,341	2,388	-2,020	-3,934	-3,518	-3,951
20%	-3,130	-4,028	-4,127	-2,823	-2,240	-1,174	1,905	951	-2,077	-6,321	-6,590	-4,345
30%	-3,797	-4,322	-5,637	-3,355	-2,758	-1,985	1,349	482	-2,930	-7,738	-7,556	-4,939
40%	-4,116	-4,530	-5,871	-3,355	-3,500	-2,878	717	286	-3,500	-8,482	-9,121	-5,886
50%	-4,584	-5,080	-5,871	-4,369	-3,609	-3,500	339	-57	-3,500	-9,418	-9,988	-6,803
60%	-4,937	-5,801	-6,242	-4,710	-4,186	-4,052	-211	-447	-3,500	-9,958	-10,512	-7,936
70%	-5,246	-6,425	-8,125	-4,782	-5,000	-5,000	-546	-928	-4,440	-10,277	-10,789	-8,494
80%	-5,581	-7,019	-8,982	-5,000	-5,000	-5,000	-889	-1,150	-5,000	-10,476	-11,021	-9,618
90%	-6,035	-9,856	-9,559	-5,000	-5,000	-5,000	-1,134	-1,359	-5,000	-10,914	-11,161	-10,135
Long Term												
Full Simulation Period[a]	-4,427	-5,636	-6,155	-3,228	-2,964	-2,487	659	155	-3,504	-8,473	-8,604	-6,868
Water Year Types[b]												
Wet (32%)	-5,049	-6,527	-5,591	-1,606	-2,293	-1,454	2,415	1,555	-4,369	-8,699	-10,518	-7,580
Above Normal (15%)	-3,648	-6,003	-7,050	-3,446	-3,147	-3,815	787	396	-4,454	-7,962	-10,985	-9,002
Below Normal (17%)	-4,793	-5,542	-7,040	-3,803	-3,290	-3,834	214	-237	-3,420	-9,942	-9,374	-8,392
Dry (22%)	-4,103	-5,007	-7,006	-4,675	-3,502	-2,614	-615	-1,010	-2,592	-9,505	-7,259	-5,165
Critical (15%)	-3,920	-4,389	-4,173	-3,684	-3,047	-1,636	-845	-911	-2,143	-5,234	-3,192	-3,966

Alternative 7 (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	492	461	1,000	1,079	2,791	3,658	6,598	5,704	1,315	-4,215	-4,263	475
20%	427	407	1,000	1,000	1,053	1,000	3,819	2,433	491	-4,949	-4,848	315
30%	369	346	1,000	1,000	1,000	1,000	2,781	1,936	218	-5,643	-5,365	215
40%	312	302	1,000	1,000	1,000	1,000	2,315	1,724	-55	-6,925	-5,866	-9
50%	203	268	946	1,000	1,000	1,000	1,881	1,511	-170	-8,657	-6,404	-2,790
60%	46	249	870	1,000	1,000	1,000	1,281	963	-353	-9,790	-6,986	-3,783
70%	-19	231	812	1,000	1,000	847	1,048	679	-494	-10,661	-7,468	-4,345
80%	-93	198	724	949	970	696	786	446	-543	-11,719	-8,586	-4,672
90%	-189	164	678	874	886	560	393	260	-721	-12,780	-10,123	-5,112
Long Term												
Full Simulation Period[a]	186	352	1,067	1,832	1,886	2,103	2,654	2,246	145	-8,401	-6,861	-2,312
Water Year Types[b]												
Wet (32%)	336	517	1,549	3,634	3,586	4,496	5,117	4,664	1,034	-9,140	-7,613	251
Above Normal (15%)	119	244	857	1,221	1,546	1,772	2,646	2,118	235	-9,622	-8,020	-818
Below Normal (17%)	149	303	901	960	1,046	909	2,046	1,561	-129	-10,419	-8,610	-5,280
Dry (22%)	158	309	872	968	972	842	1,034	661	-494	-7,584	-5,477	-4,374
Critical (15%)	15	227	722	851	891	534	461	309	-594	-4,447	-4,108	-2,807

Alternative 7 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	2,799	3,194	4,112	2,992	3,456	4,174	3,257	3,317	3,335	**-281**	**-745**	4,426
20%	3,557	4,435	5,127	3,823	3,293	2,174	1,914	1,483	2,567	1,371	1,741	4,660
30%	4,165	4,669	6,637	4,355	3,758	2,985	1,432	1,454	3,148	2,095	2,191	5,154
40%	4,428	4,832	6,871	4,355	4,500	3,878	1,598	1,438	3,445	1,558	3,255	5,877
50%	4,787	5,348	6,817	5,369	4,609	4,500	1,542	1,568	3,330	760	3,584	4,013
60%	4,983	6,050	7,112	5,710	5,186	5,052	1,492	1,411	3,147	168	3,527	4,153
70%	5,228	6,656	8,937	5,782	6,000	5,847	1,594	1,606	3,946	**-383**	3,321	4,149
80%	5,489	7,217	9,706	5,949	5,970	5,696	1,675	1,597	4,457	**-1,243**	2,435	4,946
90%	5,846	10,021	10,237	5,874	5,886	5,560	1,527	1,619	4,279	**-1,866**	1,037	5,024
Long Term												
Full Simulation Period[a]	4,614	5,988	7,223	5,060	4,850	4,590	1,995	2,090	3,648	73	1,743	4,555
Water Year Types[b]												
Wet (32%)	5,385	7,044	7,140	5,240	5,879	5,950	2,702	3,109	5,403	**-441**	2,905	7,832
Above Normal (15%)	3,768	6,247	7,907	4,668	4,692	5,587	1,859	1,723	4,689	**-1,660**	2,965	8,184
Below Normal (17%)	4,942	5,845	7,942	4,763	4,336	4,744	1,833	1,799	3,291	**-477**	764	3,112
Dry (22%)	4,261	5,316	7,877	5,643	4,474	3,456	1,649	1,671	2,097	1,921	1,782	790
Critical (15%)	3,935	4,616	4,896	4,536	3,938	2,170	1,307	1,221	1,548	786	**-916**	1,159

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-9-24. Old and Middle River, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	-2,307	-2,732	-3,112	-1,913	-666	-516	3,341	2,388	-2,020	-3,934	-3,518	-3,951
20%	-3,130	-4,028	-4,127	-2,823	-2,240	-1,174	1,905	951	-2,077	-6,321	-6,590	-4,345
30%	-3,797	-4,322	-5,637	-3,355	-2,758	-1,985	1,349	482	-2,930	-7,738	-7,556	-4,939
40%	-4,116	-4,530	-5,871	-3,355	-3,500	-2,878	717	286	-3,500	-8,482	-9,121	-5,886
50%	-4,584	-5,080	-5,871	-4,369	-3,609	-3,500	339	-57	-3,500	-9,418	-9,988	-6,803
60%	-4,937	-5,801	-6,242	-4,710	-4,186	-4,052	-211	-447	-3,500	-9,958	-10,512	-7,936
70%	-5,246	-6,425	-8,125	-4,782	-5,000	-5,000	-546	-928	-4,440	-10,277	-10,789	-8,494
80%	-5,581	-7,019	-8,982	-5,000	-5,000	-5,000	-889	-1,150	-5,000	-10,476	-11,021	-9,618
90%	-6,035	-9,856	-9,559	-5,000	-5,000	-5,000	-1,134	-1,359	-5,000	-10,914	-11,161	-10,135
Long Term												
Full Simulation Period[a]	-4,427	-5,636	-6,155	-3,228	-2,964	-2,487	659	155	-3,504	-8,473	-8,604	-6,868
Water Year Types[b]												
Wet (32%)	-5,049	-6,527	-5,591	-1,606	-2,293	-1,454	2,415	1,555	-4,369	-8,699	-10,518	-7,580
Above Normal (15%)	-3,648	-6,003	-7,050	-3,446	-3,147	-3,815	787	396	-4,454	-7,962	-10,985	-9,002
Below Normal (17%)	-4,793	-5,542	-7,040	-3,803	-3,290	-3,834	214	-237	-3,420	-9,942	-9,374	-8,392
Dry (22%)	-4,103	-5,007	-7,006	-4,675	-3,502	-2,614	-615	-1,010	-2,592	-9,505	-7,259	-5,165
Critical (15%)	-3,920	-4,389	-4,173	-3,684	-3,047	-1,636	-845	-911	-2,143	-5,234	-3,192	-3,966

Alternative 8 (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	449	456	1,000	1,067	2,570	3,648	6,608	5,707	1,324	-1,268	-3,490	705
20%	340	377	1,000	1,000	1,053	1,030	3,842	2,434	491	-1,798	-4,148	526
30%	243	346	1,000	1,000	1,000	1,000	2,813	1,937	224	-2,126	-4,480	426
40%	199	296	1,000	1,000	1,000	1,000	2,314	1,736	-60	-2,760	-4,846	300
50%	136	267	921	1,000	1,000	1,000	1,881	1,605	-167	-3,273	-5,086	-1,733
60%	46	245	856	1,000	1,000	1,000	1,281	963	-328	-3,767	-5,191	-3,091
70%	-14	230	812	1,000	1,000	846	1,085	749	-494	-3,908	-5,451	-3,846
80%	-73	197	724	943	970	696	784	558	-546	-4,063	-5,659	-4,187
90%	-179	161	678	874	889	560	436	267	-721	-4,393	-5,989	-4,427
Long Term												
Full Simulation Period[a]	153	349	1,019	1,798	1,833	2,057	2,660	2,263	144	-3,089	-4,883	-1,745
Water Year Types[b]												
Wet (32%)	298	501	1,402	3,539	3,300	4,320	5,117	4,665	1,034	-3,169	-5,938	654
Above Normal (15%)	98	260	859	1,211	1,645	1,840	2,653	2,134	233	-1,752	-5,296	-354
Below Normal (17%)	134	300	901	961	1,186	909	2,070	1,578	-132	-2,648	-4,644	-4,392
Dry (22%)	96	309	866	968	972	845	1,026	686	-495	-3,552	-4,424	-3,745
Critical (15%)	4	227	714	838	891	526	482	348	-597	-4,072	-3,154	-2,245

Alternative 8 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	2,756	3,188	4,112	2,980	3,236	4,164	3,267	3,320	3,345	2,665	28	4,655
20%	3,470	4,405	5,127	3,823	3,293	2,205	1,938	1,483	2,568	4,522	2,442	4,870
30%	4,040	4,669	6,637	4,355	3,758	2,985	1,463	1,455	3,154	5,611	3,076	5,364
40%	4,315	4,827	6,871	4,355	4,500	3,878	1,598	1,450	3,440	5,722	4,275	6,186
50%	4,721	5,347	6,792	5,369	4,609	4,500	1,542	1,662	3,333	6,144	4,902	5,070
60%	4,983	6,045	7,098	5,710	5,186	5,052	1,491	1,411	3,172	6,191	5,321	4,846
70%	5,233	6,656	8,937	5,782	6,000	5,846	1,631	1,677	3,946	6,369	5,338	4,648
80%	5,508	7,216	9,706	5,943	5,970	5,696	1,673	1,708	4,454	6,413	5,362	5,431
90%	5,856	10,017	10,237	5,874	5,889	5,560	1,569	1,626	4,279	6,521	5,172	5,709
Long Term												
Full Simulation Period[a]	4,581	5,985	7,174	5,027	4,797	4,544	2,002	2,107	3,647	5,384	3,720	5,123
Water Year Types[b]												
Wet (32%)	5,346	7,028	6,993	5,144	5,593	5,773	2,702	3,110	5,404	5,530	4,580	8,234
Above Normal (15%)	3,746	6,263	7,909	4,658	4,792	5,654	1,866	1,739	4,687	6,211	5,688	8,648
Below Normal (17%)	4,927	5,842	7,942	4,763	4,477	4,744	1,856	1,816	3,288	7,294	4,730	4,000
Dry (22%)	4,199	5,316	7,871	5,643	4,474	3,459	1,642	1,696	2,096	5,953	2,835	1,420
Critical (15%)	3,925	4,616	4,887	4,522	3,938	2,162	1,328	1,259	1,546	1,162	38	1,721

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-9-25. Old and Middle River, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-2,307	-2,732	-3,112	-1,913	-666	-516	3,341	2,388	-2,020	-3,934	-3,518	-3,951
20%	-3,130	-4,028	-4,127	-2,823	-2,240	-1,174	1,905	951	-2,077	-6,321	-6,590	-4,345
30%	-3,797	-4,322	-5,637	-3,355	-2,758	-1,985	1,349	482	-2,930	-7,738	-7,556	-4,939
40%	-4,116	-4,530	-5,871	-3,355	-3,500	-2,878	717	286	-3,500	-8,482	-9,121	-5,886
50%	-4,584	-5,080	-5,871	-4,369	-3,609	-3,500	339	-57	-3,500	-9,418	-9,988	-6,803
60%	-4,937	-5,801	-6,242	-4,710	-4,186	-4,052	-211	-447	-3,500	-9,958	-10,512	-7,936
70%	-5,246	-6,425	-8,125	-4,782	-5,000	-5,000	-546	-928	-4,440	-10,277	-10,789	-8,494
80%	-5,581	-7,019	-8,982	-5,000	-5,000	-5,000	-889	-1,150	-5,000	-10,476	-11,021	-9,618
90%	-6,035	-9,856	-9,559	-5,000	-5,000	-5,000	-1,134	-1,359	-5,000	-10,914	-11,161	-10,135
Long Term												
Full Simulation Period[a]	-4,427	-5,636	-6,155	-3,228	-2,964	-2,487	659	155	-3,504	-8,473	-8,604	-6,868
Water Year Types[b]												
Wet (32%)	-5,049	-6,527	-5,591	-1,606	-2,293	-1,454	2,415	1,555	-4,369	-8,699	-10,518	-7,580
Above Normal (15%)	-3,648	-6,003	-7,050	-3,446	-3,147	-3,815	787	396	-4,454	-7,962	-10,985	-9,002
Below Normal (17%)	-4,793	-5,542	-7,040	-3,803	-3,290	-3,834	214	-237	-3,420	-9,942	-9,374	-8,392
Dry (22%)	-4,103	-5,007	-7,006	-4,675	-3,502	-2,614	-615	-1,010	-2,592	-9,505	-7,259	-5,165
Critical (15%)	-3,920	-4,389	-4,173	-3,684	-3,047	-1,636	-845	-911	-2,143	-5,234	-3,192	-3,966

Alternative 9 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-3,143	-4,339	-5,871	-2,823	-1,500	-1,133	-1,110	-1,499	-1,500	-3,181	-2,292	-3,770
20%	-4,056	-4,876	-5,871	-2,823	-2,677	-1,518	-1,500	-1,500	-1,500	-7,384	-5,428	-4,650
30%	-4,406	-5,169	-5,871	-3,355	-2,947	-2,823	-1,968	-1,500	-2,800	-8,132	-7,734	-5,604
40%	-5,152	-5,677	-5,939	-4,093	-3,500	-3,500	-3,108	-3,418	-3,500	-10,103	-9,915	-6,617
50%	-5,384	-6,200	-7,094	-4,710	-4,099	-3,500	-3,500	-3,500	-3,500	-10,756	-10,714	-7,505
60%	-5,610	-6,749	-9,884	-5,000	-5,000	-4,512	-5,000	-3,500	-3,500	-11,487	-11,663	-9,497
70%	-6,160	-7,361	-10,872	-5,000	-5,000	-5,000	-5,000	-3,500	-5,000	-11,605	-11,812	-10,322
80%	-7,104	-9,536	-11,280	-5,000	-5,000	-5,000	-5,000	-5,000	-5,000	-11,605	-12,027	-11,105
90%	-8,511	-11,275	-11,398	-5,000	-5,000	-5,000	-5,000	-5,000	-5,000	-11,706	-12,030	-11,530
Long Term												
Full Simulation Period[a]	-5,614	-6,780	-7,927	-3,394	-3,185	-2,744	-3,098	-2,967	-3,365	-9,215	-8,877	-7,761
Water Year Types[b]												
Wet (32%)	-6,283	-7,525	-6,260	-1,523	-2,504	-1,602	-3,338	-3,349	-4,506	-10,234	-11,615	-9,552
Above Normal (15%)	-5,196	-6,875	-8,437	-2,857	-2,942	-4,002	-4,708	-4,087	-4,375	-11,327	-11,658	-9,681
Below Normal (17%)	-5,428	-6,989	-9,020	-4,336	-3,468	-3,981	-3,763	-3,180	-3,143	-10,317	-10,045	-9,088
Dry (22%)	-5,544	-6,424	-9,488	-4,817	-3,849	-2,976	-2,247	-2,479	-2,469	-8,619	-6,418	-5,502
Critical (15%)	-4,906	-5,362	-7,416	-4,753	-3,573	-2,170	-1,469	-1,507	-1,487	-4,503	-2,488	-3,804

Alternative 9 (LLT) minus No Action Alternative (LLT)

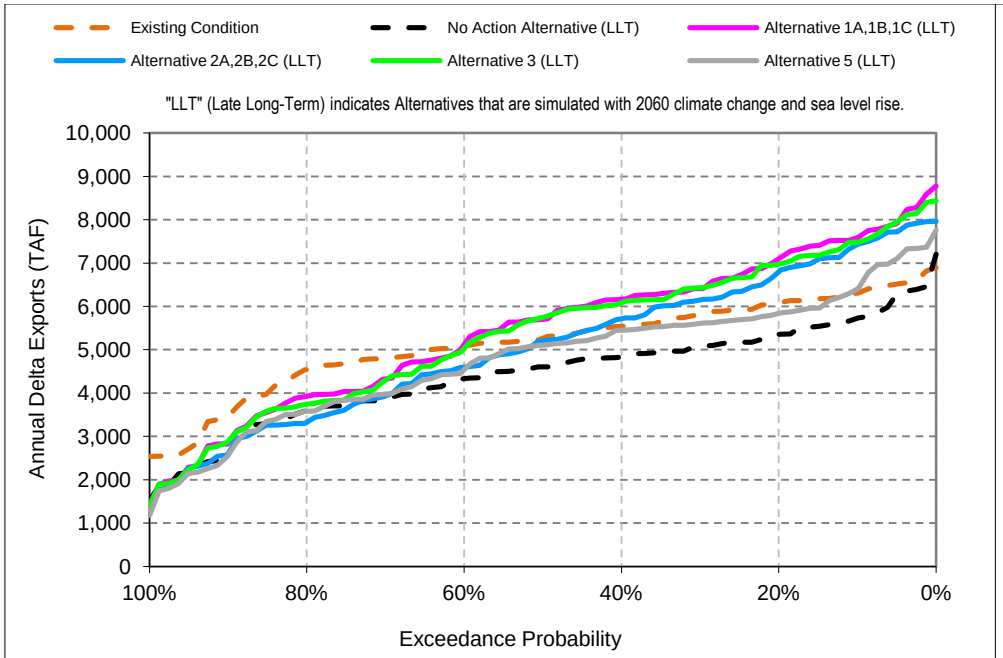
	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	**-836**	**-1,607**	**-2,759**	**-909**	**-834**	**-617**	**-4,451**	**-3,887**	520	753	1,226	180
20%	**-926**	**-848**	**-1,744**	0	**-437**	**-344**	**-3,405**	**-2,451**	577	**-1,063**	1,162	**-305**
30%	**-609**	**-846**	**-234**	**0**	**-189**	**-837**	**-3,317**	**-1,982**	130	**-395**	**-177**	**-665**
40%	**-1,037**	**-1,146**	**-68**	**-738**	0	**-622**	**-3,824**	**-3,704**	0	**-1,621**	**-794**	**-731**
50%	**-800**	**-1,120**	**-1,223**	**-341**	**-490**	0	**-3,839**	**-3,443**	0	**-1,338**	**-726**	**-702**
60%	**-672**	**-948**	**-3,642**	**-290**	**-814**	**-461**	**-4,789**	**-3,053**	0	**-1,529**	**-1,151**	**-1,560**
70%	**-914**	**-936**	**-2,747**	**-218**	0	0	**-4,454**	**-2,572**	**-560**	**-1,328**	**-1,023**	**-1,827**
80%	**-1,523**	**-2,518**	**-2,298**	0	0	0	**-4,111**	**-3,850**	0	**-1,129**	**-1,006**	**-1,486**
90%	**-2,476**	**-1,419**	**-1,839**	0	0	0	**-3,866**	**-3,641**	0	**-792**	**-869**	**-1,395**
Long Term												
Full Simulation Period[a]	**-1,187**	**-1,144**	**-1,772**	**-166**	**-221**	**-257**	**-3,757**	**-3,123**	138	**-741**	**-273**	**-894**
Water Year Types[b]												
Wet (32%)	**-1,235**	**-998**	**-668**	83	**-212**	**-148**	**-5,753**	**-4,904**	**-137**	**-1,534**	**-1,097**	**-1,971**
Above Normal (15%)	**-1,547**	**-872**	**-1,387**	589	204	**-188**	**-5,496**	**-4,483**	79	**-3,364**	**-674**	**-679**
Below Normal (17%)	**-635**	**-1,447**	**-1,980**	**-534**	**-178**	**-147**	**-3,977**	**-2,943**	277	**-375**	**-671**	**-696**
Dry (22%)	**-1,441**	**-1,417**	**-2,482**	**-142**	**-347**	**-362**	**-1,632**	**-1,469**	123	886	841	**-337**
Critical (15%)	**-985**	**-973**	**-3,242**	**-1,069**	**-526**	**-534**	**-623**	**-595**	656	731	704	161

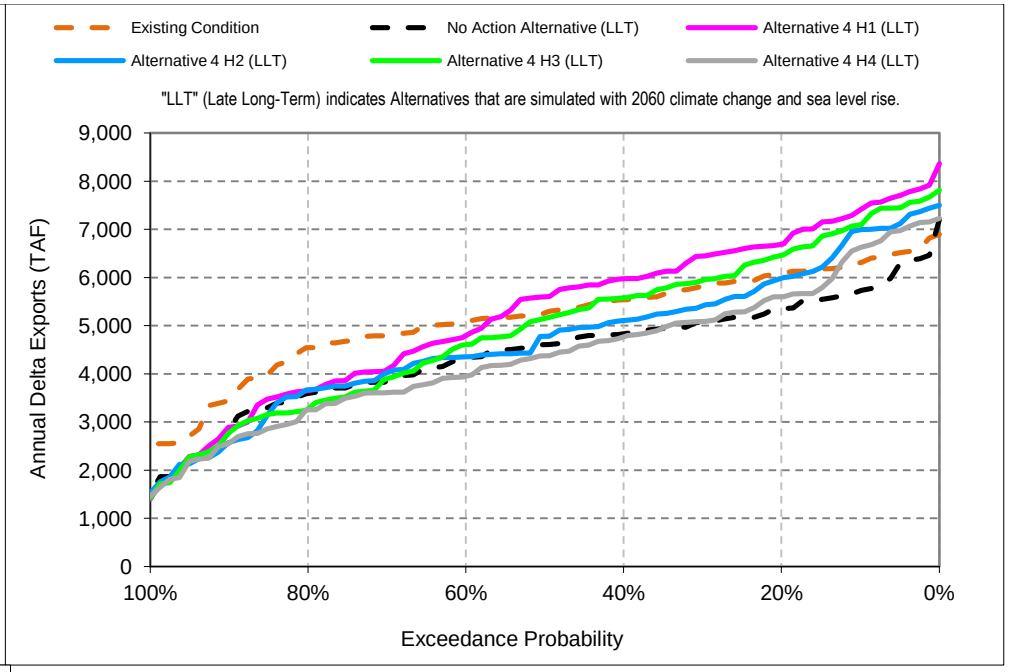
Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

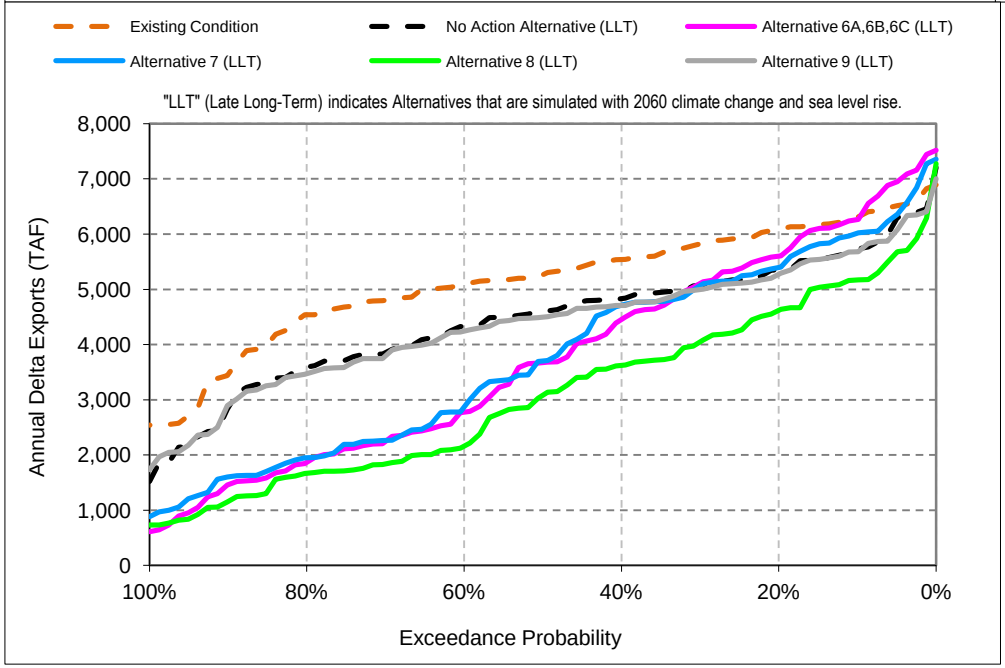
a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

C.10. Total Delta Exports



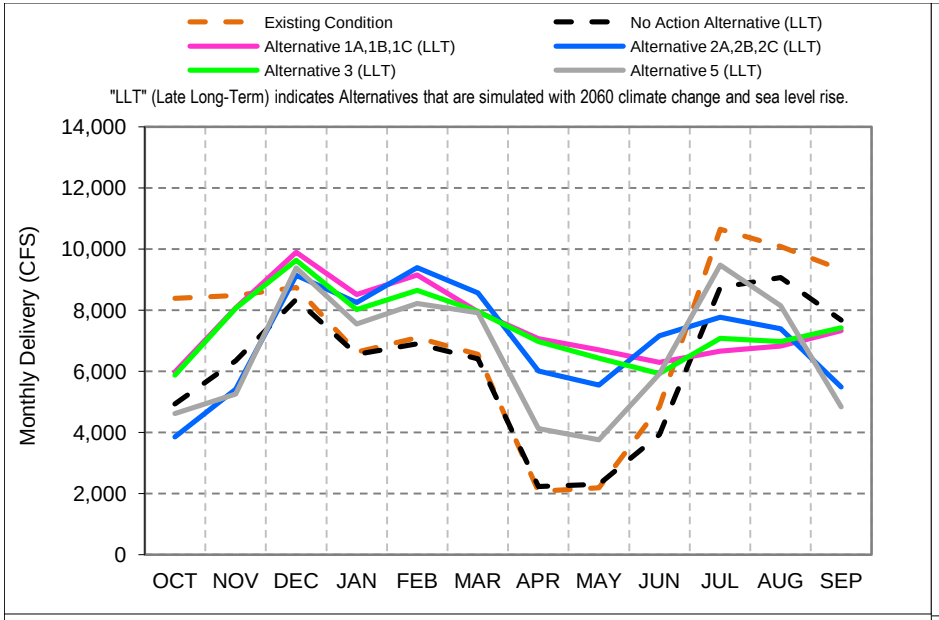


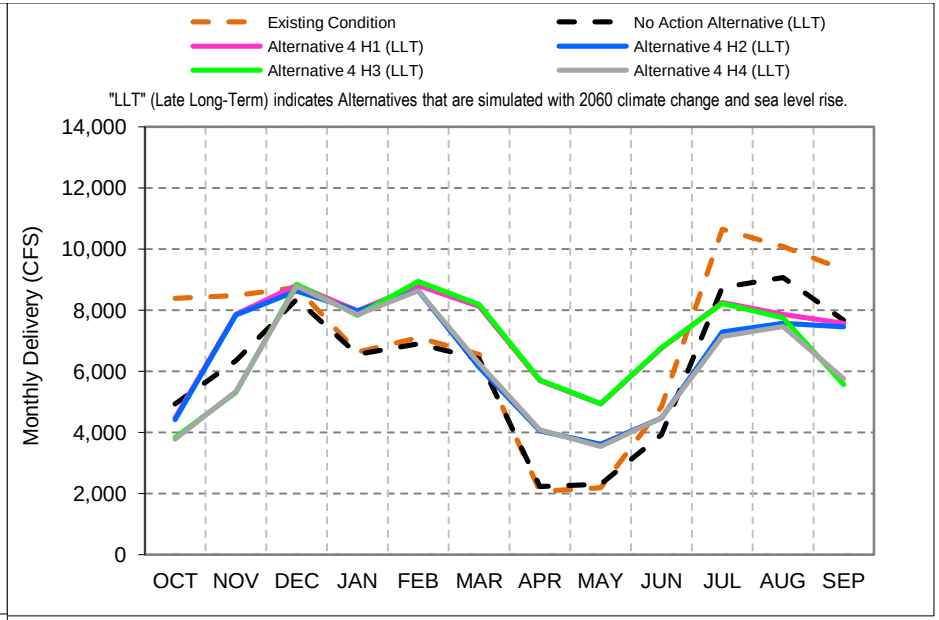


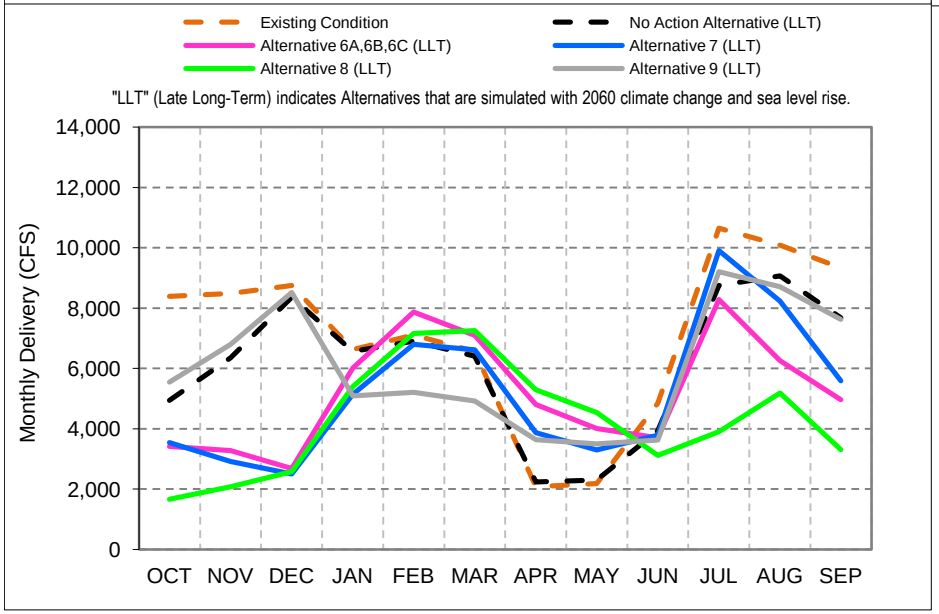
Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-10-1. Total Delta Exports



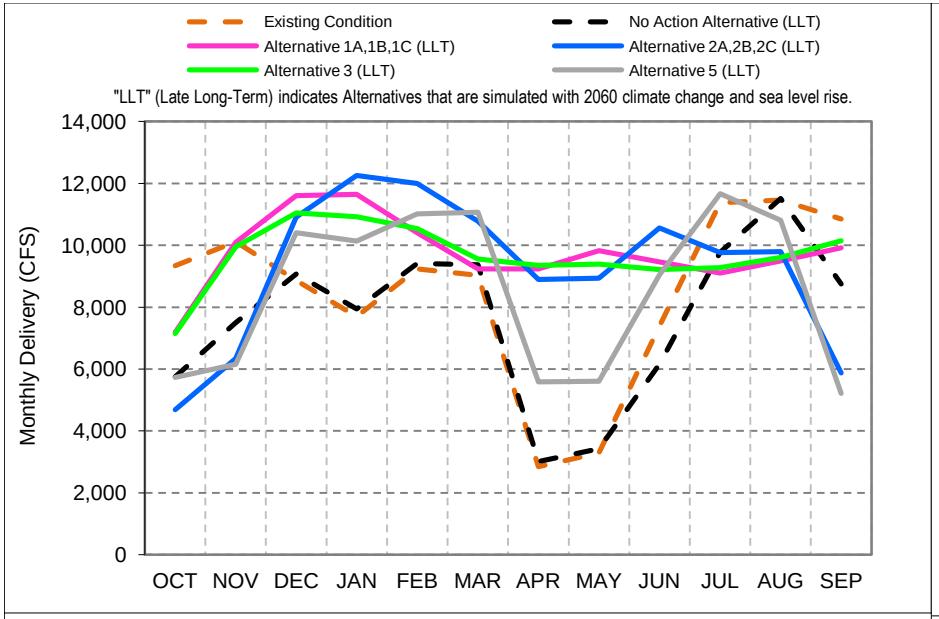


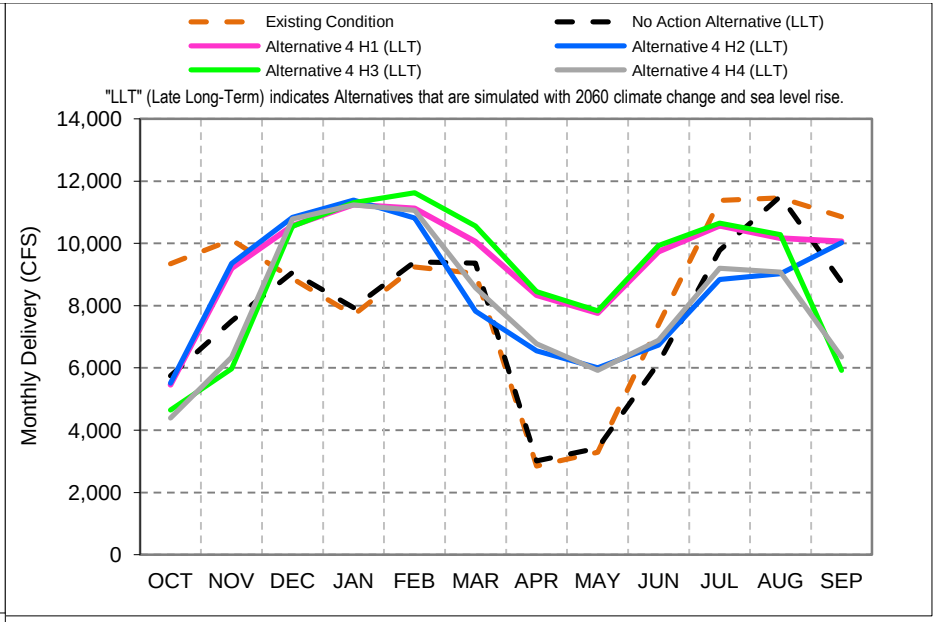


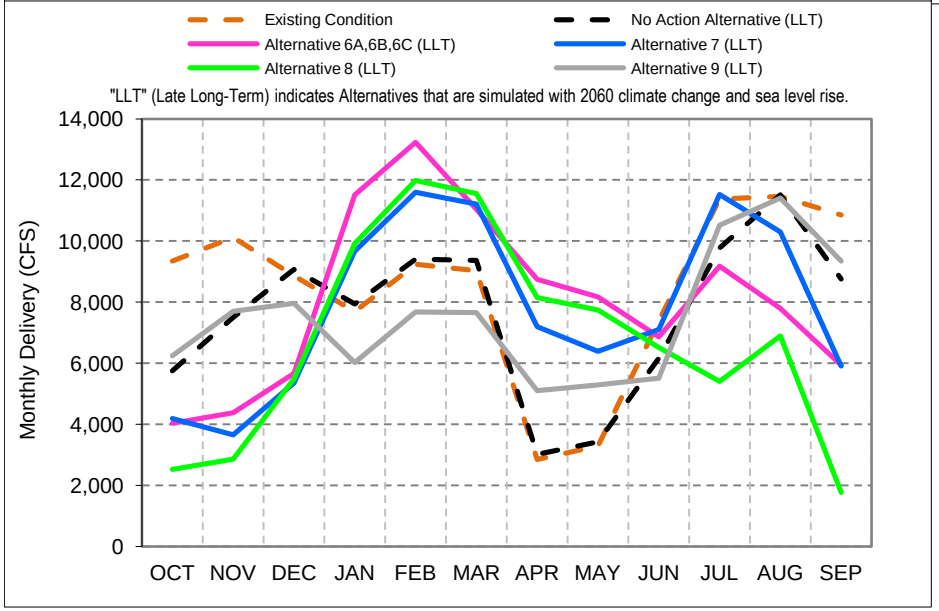
Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-10-2. Total Exports, Long-Term Average Delivery





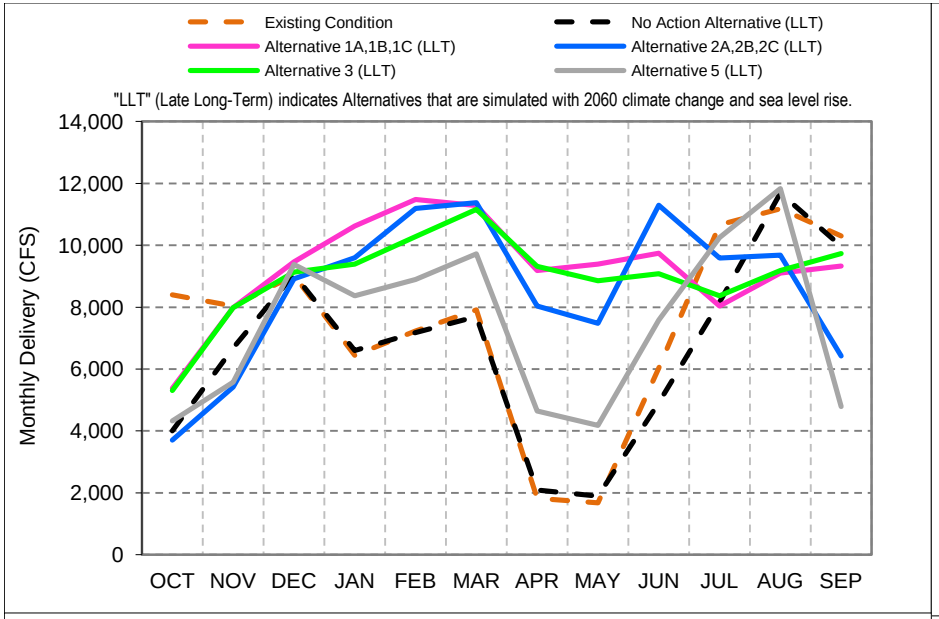


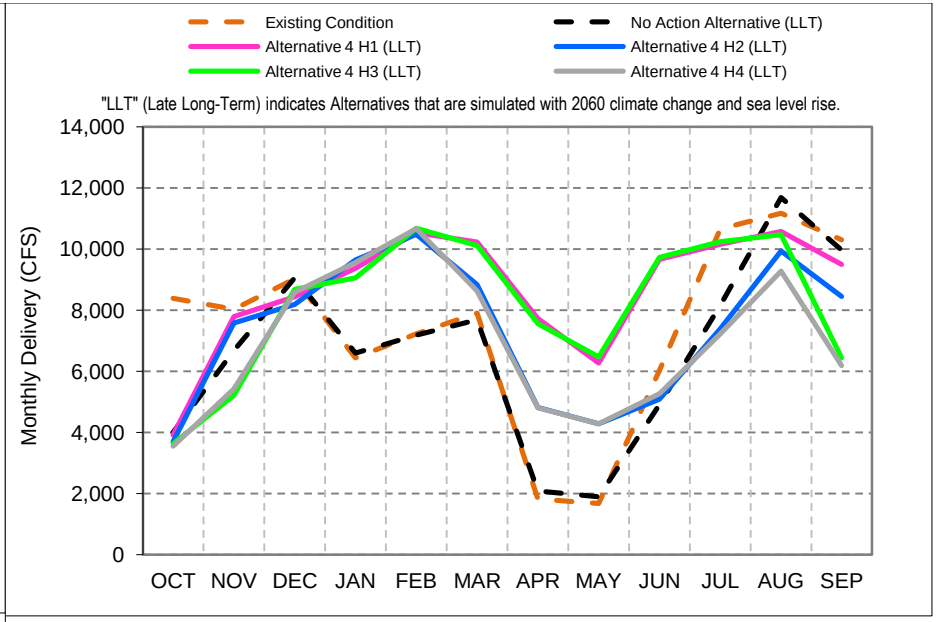
Alternative 4 Scenario Definitions:

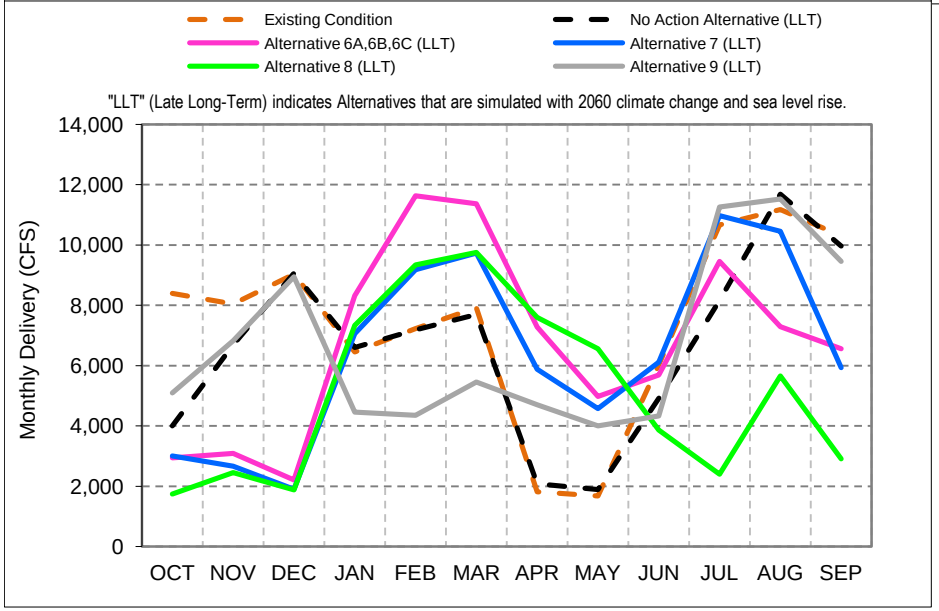
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-10-3. Total Exports, Wet Year* Average Delivery





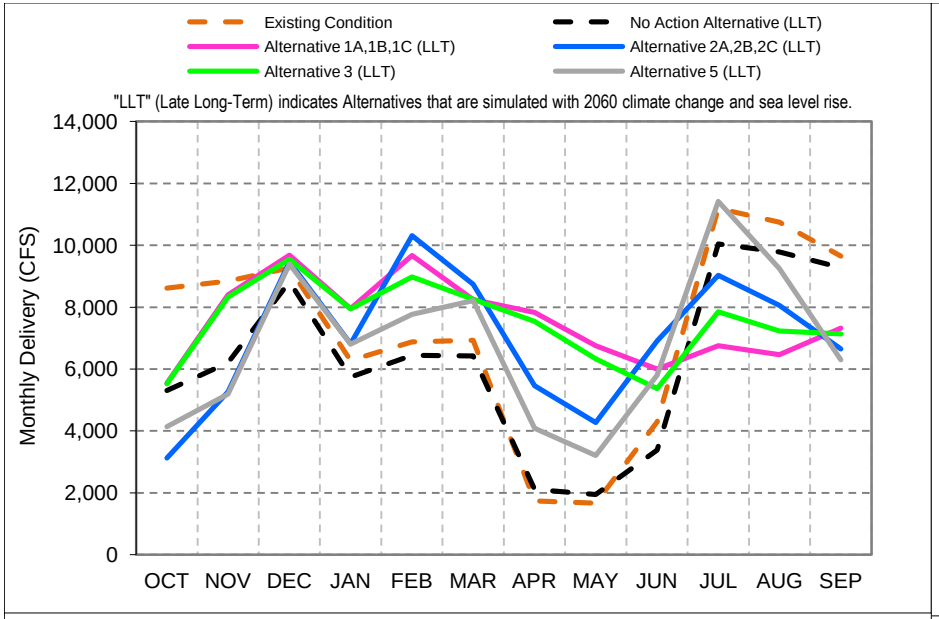


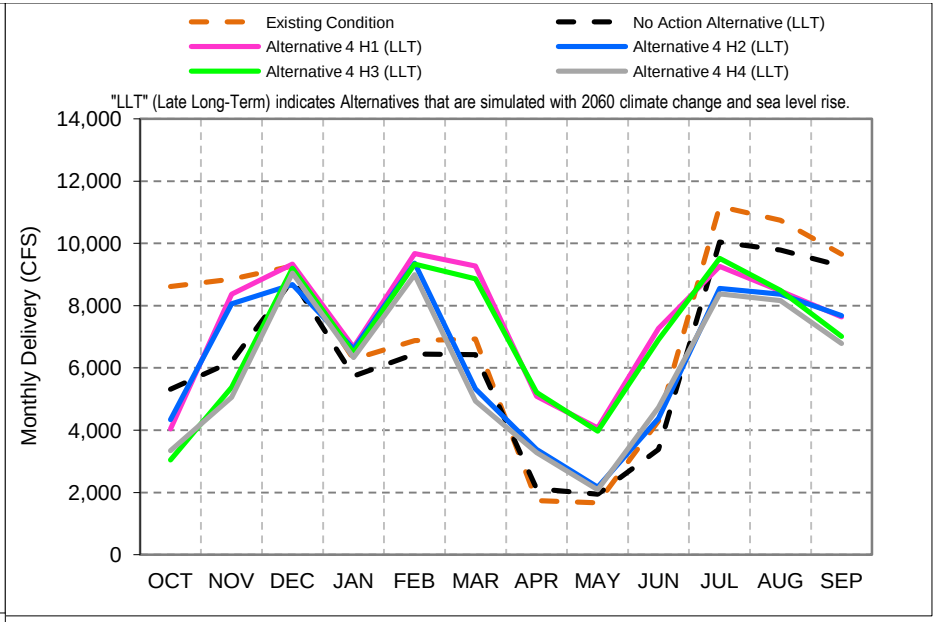
Alternative 4 Scenario Definitions:

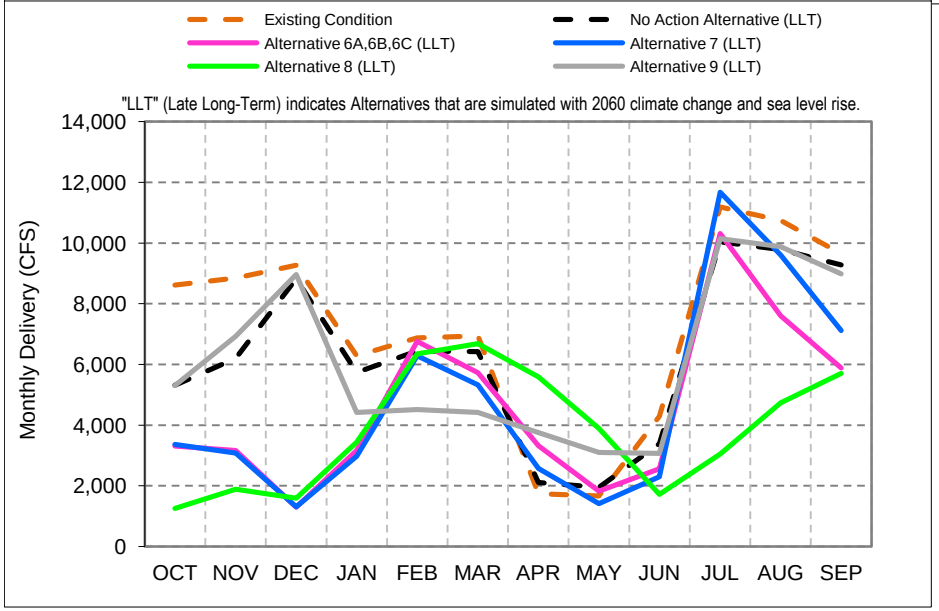
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-10-4. Total Exports, Above Normal Year* Average Delivery





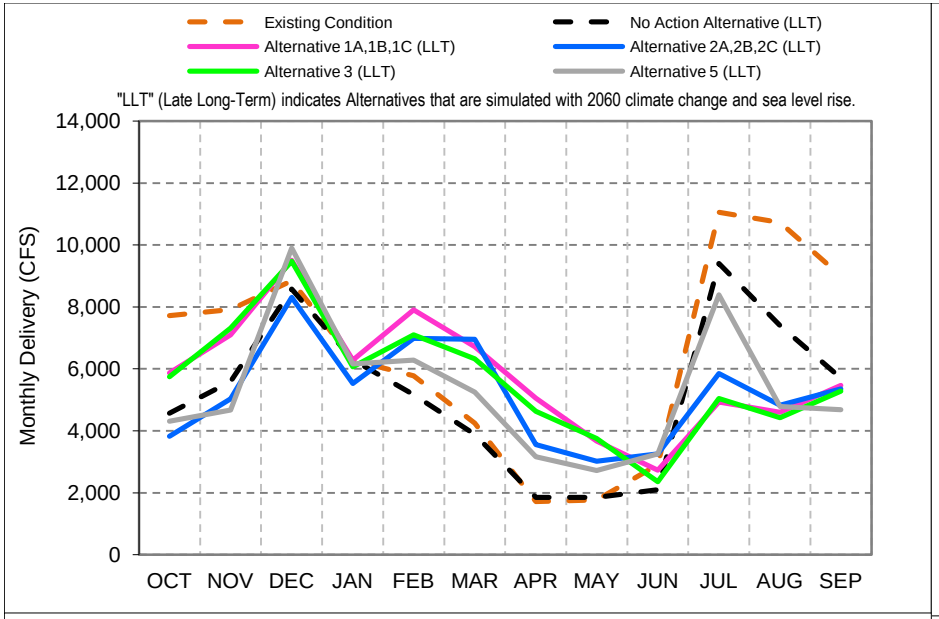


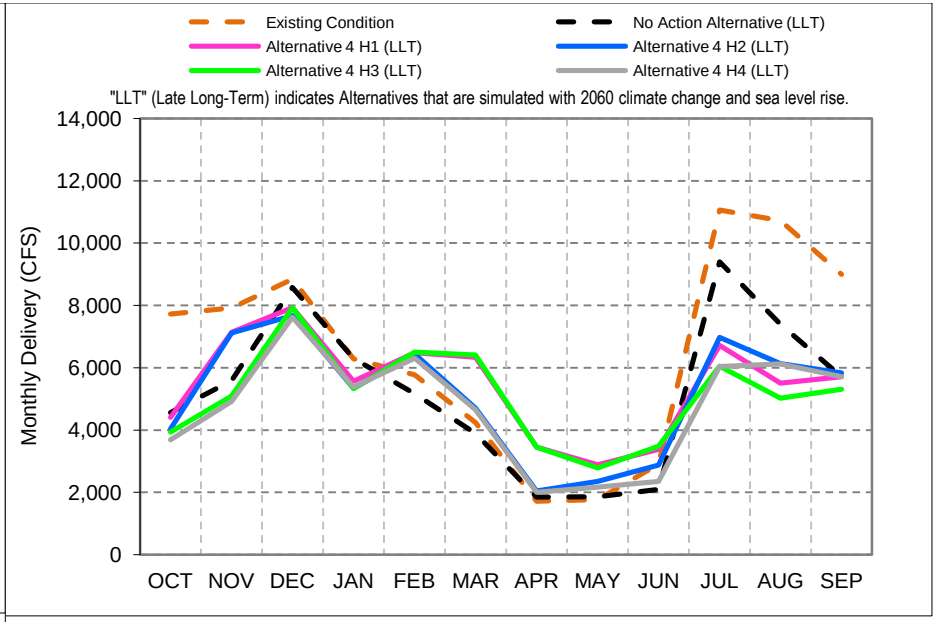
Alternative 4 Scenario Definitions:

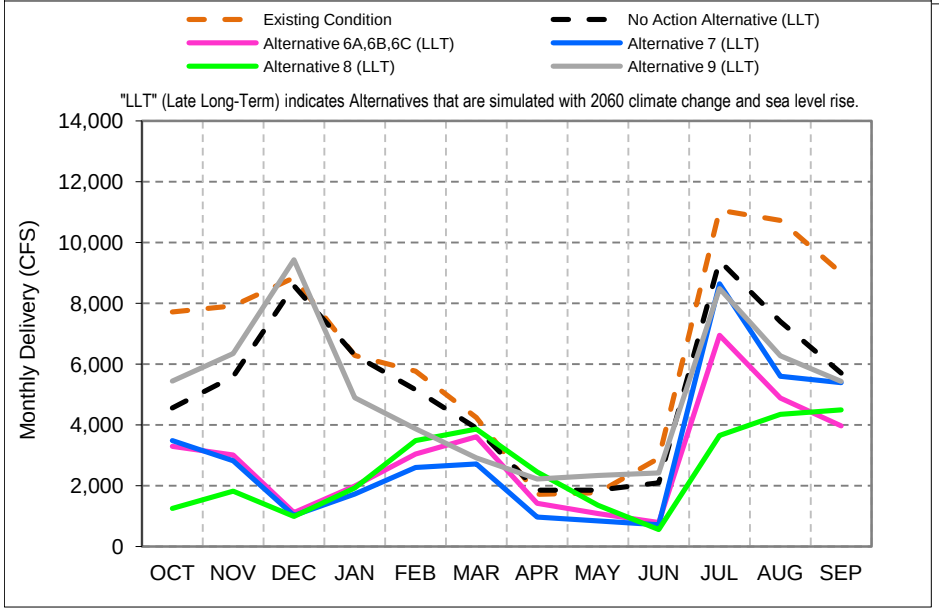
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-10-5. Total Exports, Below Normal Year* Average Delivery





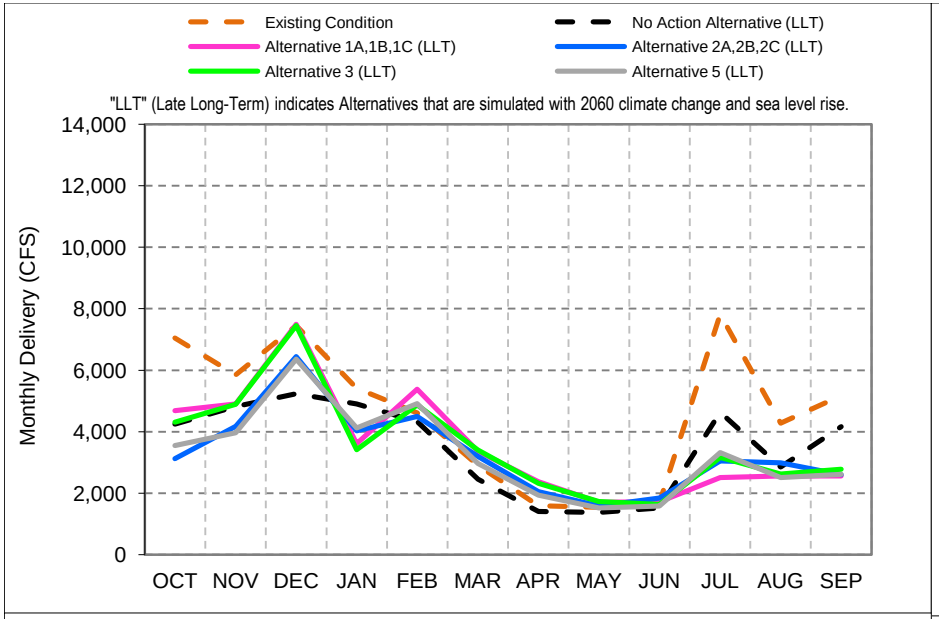


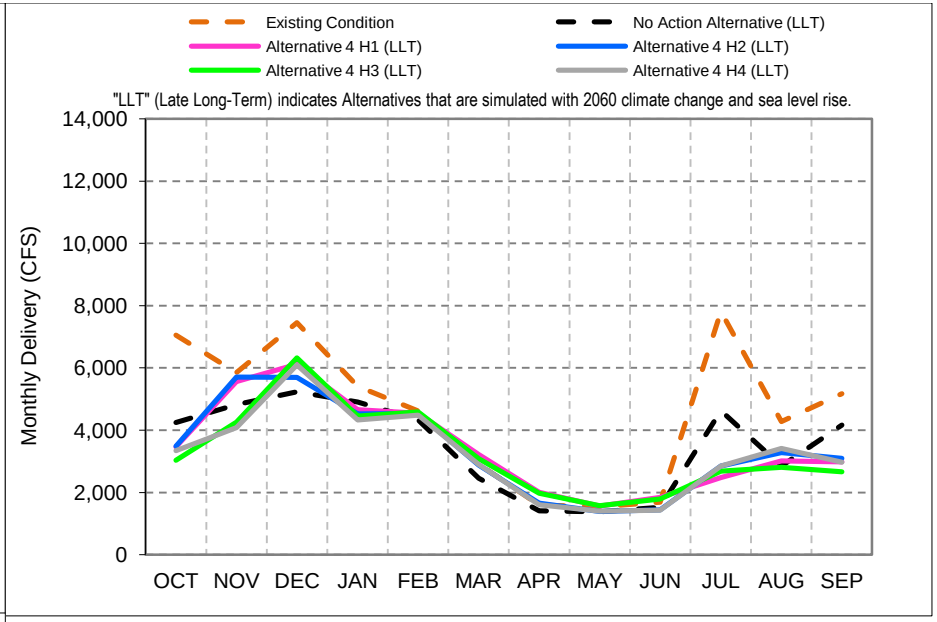
Alternative 4 Scenario Definitions:

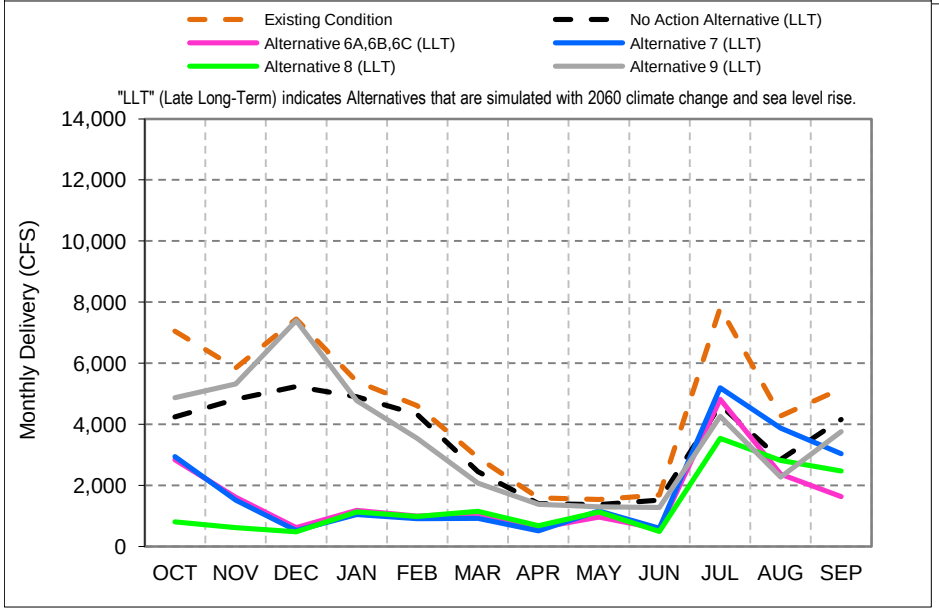
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-10-6. Total Exports, Dry Year* Average Delivery





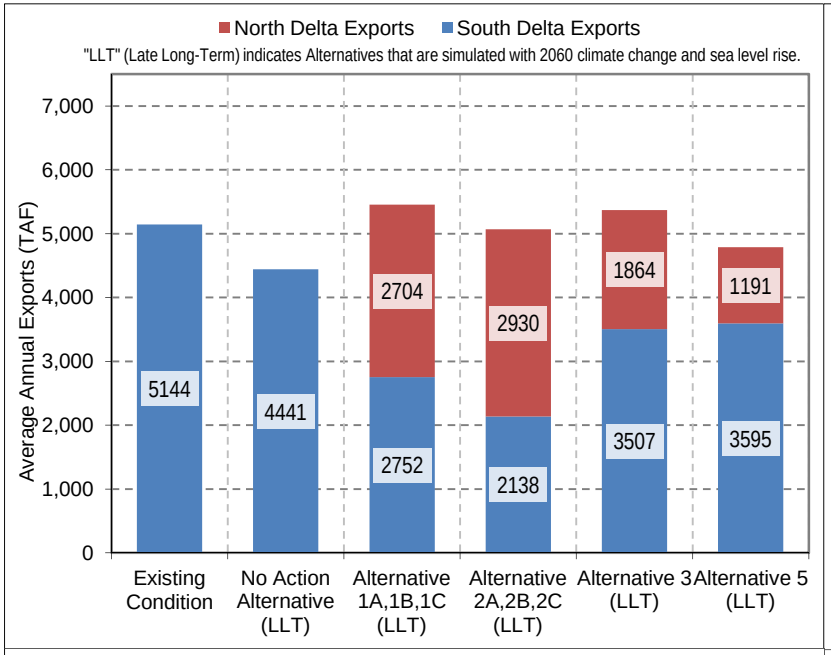


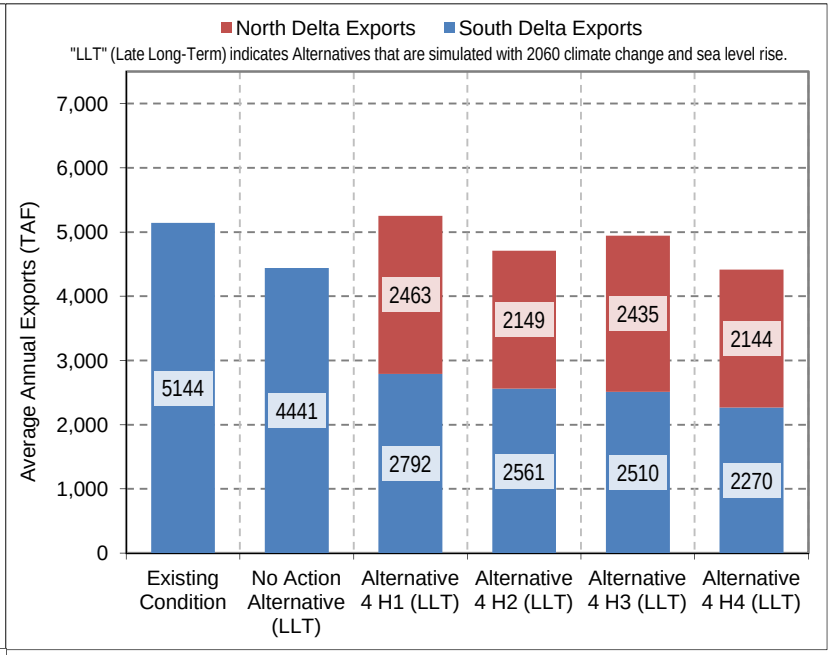
Alternative 4 Scenario Definitions:

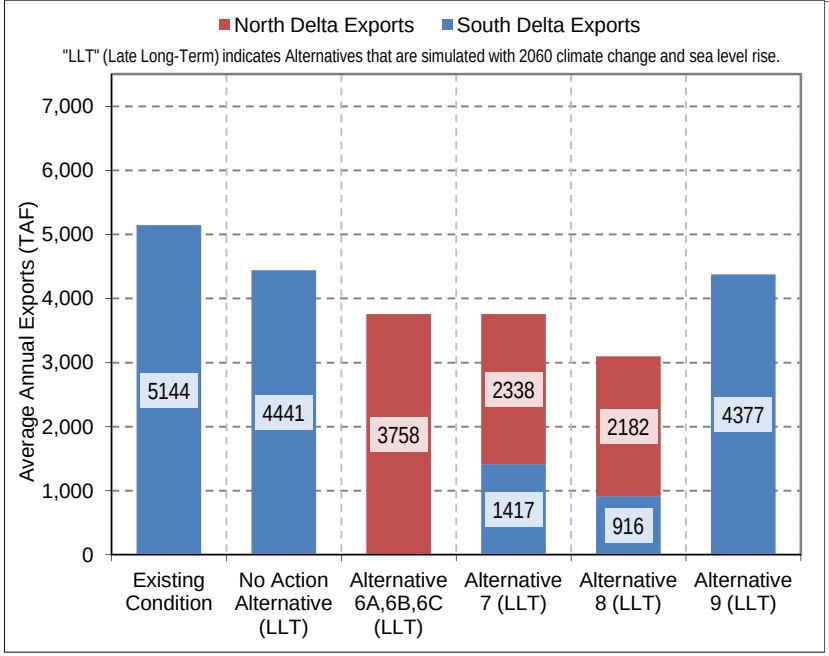
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-10-7. Total Exports, Critical Year* Average Delivery







Alternative 4 Scenario Definitions:

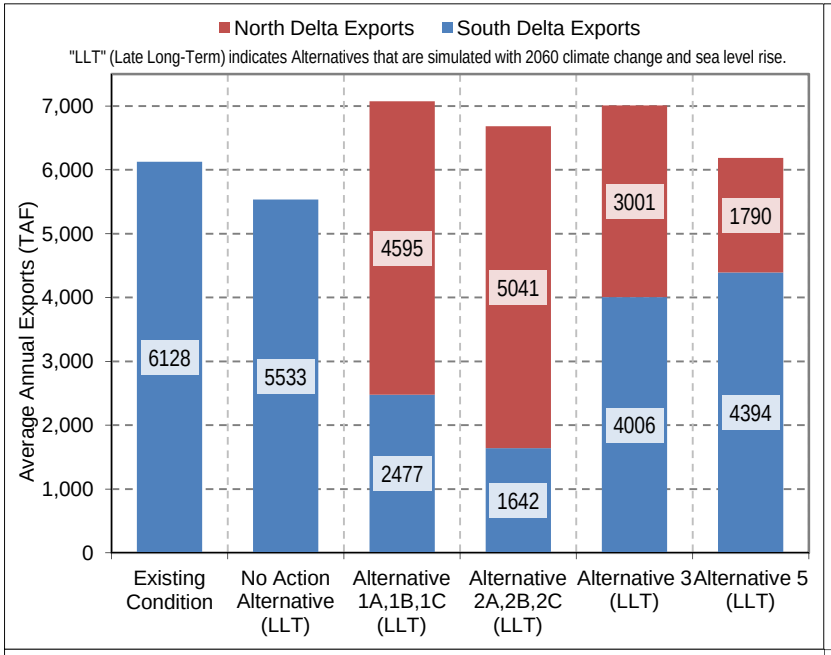
H1 - Low Delta Outflow Scenario

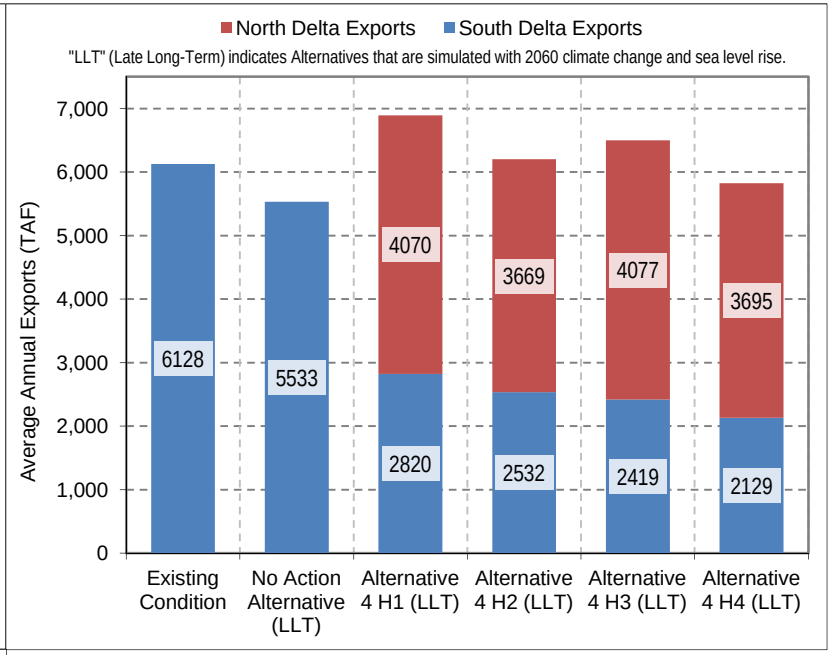
H2 - Enhanced Spring Delta Outflow Scenario

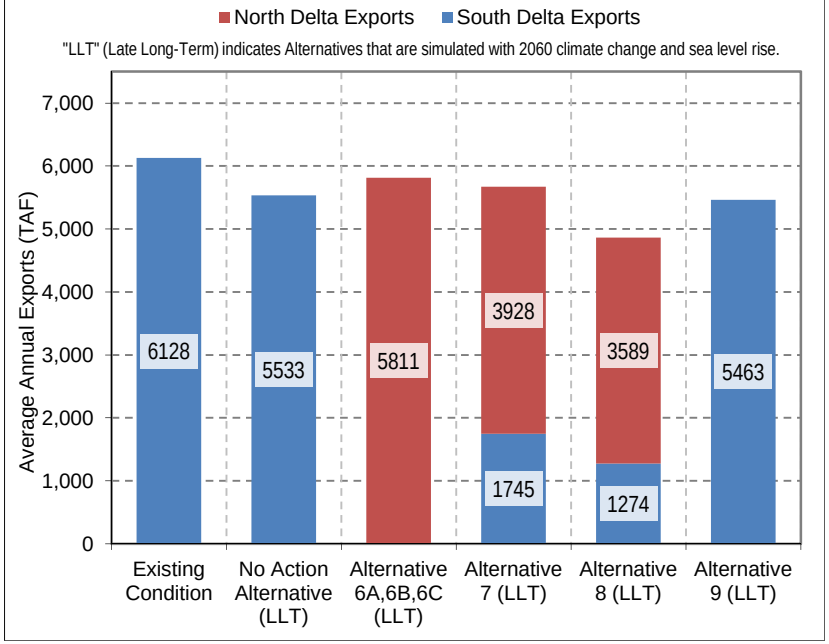
H3 - Fall X2 Scenario

H4 - High Delta Outflow Scenario

Figure C-10-8.North and South Delta Exports - Long-term Average







Alternative 4 Scenario Definitions:

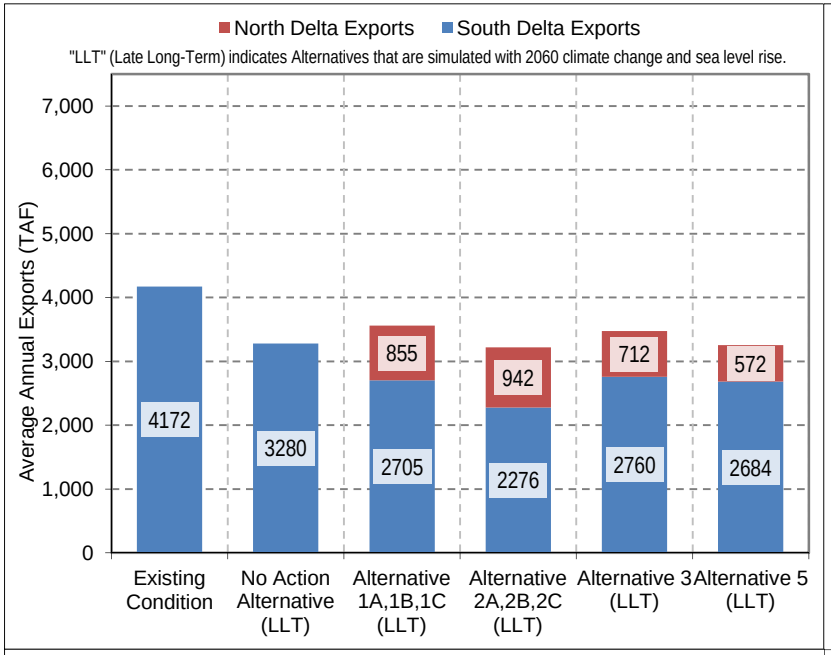
H1 - Low Delta Outflow Scenario

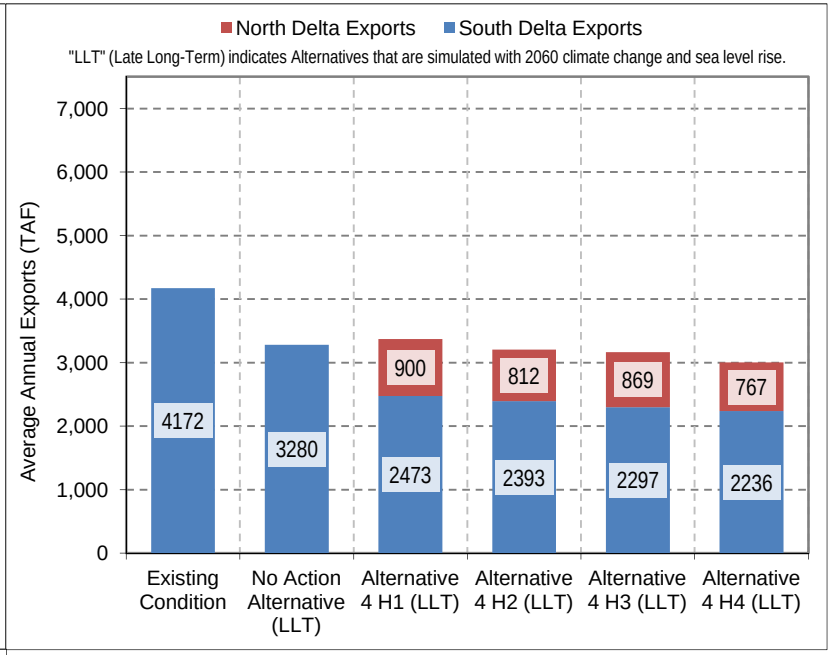
H2 - Enhanced Spring Delta Outflow Scenario

H3 - Fall X2 Scenario

H4 - High Delta Outflow Scenario

Figure C-10-9.North and South Delta Exports - Wet Year Average





Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario

H2 - Enhanced Spring Delta Outflow Scenario

H3 - Fall X2 Scenario

H4 - High Delta Outflow Scenario

Figure C-10-10.North and South Delta Exports - Dry and Critical Average

Table C-10-1-1. Total Delta Exports, Monthly Delivery Rate

Existing Condition

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	11,044	10,934	11,317	8,932	10,779	9,816	3,240	3,381	9,032	11,595	11,725	11,158	8,711
20%	10,967	10,917	11,235	7,749	9,327	9,134	2,276	2,297	7,236	11,555	11,685	11,137	8,397
30%	10,389	10,903	9,988	6,883	8,257	8,647	2,055	1,847	5,468	11,502	11,669	11,041	8,035
40%	9,581	10,117	9,200	6,799	7,707	7,383	1,842	1,660	5,125	11,426	11,551	10,345	7,633
50%	8,972	9,052	8,500	6,435	6,855	6,604	1,714	1,570	4,469	11,384	11,461	9,891	7,261
60%	7,704	8,374	8,004	6,365	6,598	5,594	1,607	1,500	3,506	11,284	11,350	9,439	6,991
70%	7,180	7,212	7,638	5,905	5,969	4,804	1,500	1,500	3,080	11,076	11,058	9,029	6,612
80%	6,139	6,249	7,096	5,053	4,978	4,513	1,500	1,500	2,787	10,397	8,961	8,218	6,250
90%	4,847	4,660	6,185	4,460	3,823	2,260	1,500	1,500	1,598	8,986	4,363	4,996	4,761
Long Term													
Full Simulation Period[a]	8,389	8,488	8,747	6,627	7,105	6,562	2,076	2,188	4,844	10,650	10,084	9,328	7,091
Water Year Types[b]													
Wet (32%)	9,345	10,117	8,867	7,695	9,241	9,030	2,847	3,294	7,386	11,377	11,461	10,853	8,459
Above Normal (15%)	8,395	8,039	9,033	6,447	7,231	7,913	1,819	1,675	6,033	10,665	11,177	10,304	7,394
Below Normal (17%)	8,618	8,849	9,268	6,281	6,879	6,933	1,736	1,667	4,295	11,188	10,742	9,650	7,175
Dry (22%)	7,721	7,916	8,841	6,286	5,773	4,243	1,718	1,765	2,907	11,061	10,726	8,999	6,496
Critical (15%)	7,049	5,845	7,453	5,411	4,613	2,910	1,595	1,545	1,692	7,815	4,278	5,169	4,615

No Action Alternative (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	6,640	11,279	11,704	9,525	10,456	10,469	3,590	3,369	6,155	11,605	11,780	11,280	7,935
20%	6,219	8,289	10,946	7,731	9,231	9,202	2,461	2,449	5,616	11,432	11,780	11,088	7,388
30%	5,768	7,130	10,444	6,857	8,220	8,178	2,230	1,964	5,085	10,849	11,662	9,418	7,012
40%	5,384	6,351	9,062	6,744	7,266	7,202	2,071	1,785	4,094	10,426	11,437	8,956	6,642
50%	5,016	5,641	8,211	6,505	6,643	6,507	1,830	1,691	3,544	9,731	11,059	7,595	6,364
60%	4,613	5,086	7,882	6,179	6,251	5,250	1,712	1,606	2,995	8,818	9,625	6,546	5,963
70%	4,214	4,861	7,250	5,463	5,506	4,566	1,598	1,500	2,392	8,269	7,933	5,615	5,305
80%	3,660	4,478	6,178	4,910	4,377	3,222	1,500	1,500	1,633	5,853	6,558	4,795	4,937
90%	2,554	3,355	4,138	4,493	3,341	2,150	1,359	1,500	1,480	3,663	3,453	4,337	3,942
Long Term													
Full Simulation Period[a]	4,938	6,348	8,358	6,562	6,901	6,406	2,235	2,303	3,934	8,751	9,071	7,681	6,124
Water Year Types[b]													
Wet (32%)	5,748	7,500	9,069	7,939	9,410	9,369	3,016	3,421	6,160	9,779	11,509	8,754	7,639
Above Normal (15%)	4,005	6,686	9,060	6,598	7,184	7,693	2,086	1,894	4,916	8,162	11,688	9,970	6,662
Below Normal (17%)	5,311	6,203	8,827	5,741	6,444	6,421	2,114	1,947	3,386	10,041	9,783	9,276	6,291
Dry (22%)	4,564	5,590	8,578	6,297	5,162	3,890	1,853	1,855	2,098	9,401	7,398	5,709	5,200
Critical (15%)	4,245	4,819	5,237	4,900	4,326	2,454	1,407	1,378	1,522	4,630	2,852	4,162	3,494

No Action Alternative (LLT) minus Existing Condition

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	-4,404	344	387	593	-323	653	350	-12	-2,877	10	55	122	-776
20%	-4,749	-2,627	-288	-18	-97	68	185	152	-1,620	-123	95	-48	-1,009
30%	-4,621	-3,774	456	-27	-37	-469	175	117	-383	-653	-6	-1,623	-1,023
40%	-4,198	-3,767	-138	-54	-442	-181	229	125	-1,030	-1,000	-114	-1,389	-991
50%	-3,956	-3,411	-289	70	-211	-97	116	121	-925	-1,654	-401	-2,297	-896
60%	-3,091	-3,288	-122	-186	-347	-344	104	106	-511	-2,466	-1,724	-2,893	-1,028
70%	-2,966	-2,351	-388	-441	-463	-239	98	0	-688	-2,807	-3,125	-3,414	-1,307
80%	-2,479	-1,771	-918	-142	-601	-1,291	0	0	-1,153	-4,544	-2,403	-3,422	-1,313
90%	-2,294	-1,304	-2,046	33	-482	-110	-141	0	-118	-5,324	-909	-659	-819
Long Term													
Full Simulation Period[a]	-3,451	-2,140	-389	-65	-204	-156	159	115	-910	-1,899	-1,013	-1,648	-967
Water Year Types[b]													
Wet (32%)	-3,597	-2,616	203	245	169	338	169	127	-1,227	-1,598	48	-2,098	-820
Above Normal (15%)	-4,390	-1,353	27	150	-48	-219	267	218	-1,116	-2,503	510	-335	-733
Below Normal (17%)	-3,307	-2,645	-441	-541	-435	-512	378	280	-908	-1,146	-959	-374	-884
Dry (22%)	-3,157	-2,326	-263	11	-610	-353	135	90	-809	-1,660	-3,329	-3,290	-1,297
Critical (15%)	-2,804	-1,026	-2,216	-511	-287	-456	-188	-167	-170	-3,184	-1,426	-1,007	-1,120

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-10-1-2. Total Delta Exports, Monthly Delivery Rate

Existing Condition

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	11,044	10,934	11,317	8,932	10,779	9,816	3,240	3,381	9,032	11,595	11,725	11,158	8,711
20%	10,967	10,917	11,235	7,749	9,327	9,134	2,276	2,297	7,236	11,555	11,685	11,137	8,397
30%	10,389	10,903	9,988	6,883	8,257	8,647	2,055	1,847	5,468	11,502	11,669	11,041	8,035
40%	9,581	10,117	9,200	6,799	7,707	7,383	1,842	1,660	5,125	11,426	11,551	10,345	7,633
50%	8,972	9,052	8,500	6,435	6,855	6,604	1,714	1,570	4,469	11,384	11,461	9,891	7,261
60%	7,704	8,374	8,004	6,365	6,598	5,594	1,607	1,500	3,506	11,284	11,350	9,439	6,991
70%	7,180	7,212	7,638	5,905	5,969	4,804	1,500	1,500	3,080	11,076	11,058	9,029	6,612
80%	6,139	6,249	7,096	5,053	4,978	4,513	1,500	1,500	2,787	10,397	8,961	8,218	6,250
90%	4,847	4,660	6,185	4,460	3,823	2,260	1,500	1,500	1,598	8,986	4,363	4,996	4,761
Long Term													
Full Simulation Period[a]	8,389	8,488	8,747	6,627	7,105	6,562	2,076	2,188	4,844	10,650	10,084	9,328	7,091
Water Year Types[b]													
Wet (32%)	9,345	10,117	8,867	7,695	9,241	9,030	2,847	3,294	7,386	11,377	11,461	10,853	8,459
Above Normal (15%)	8,395	8,039	9,033	6,447	7,231	7,913	1,819	1,675	6,033	10,665	11,177	10,304	7,394
Below Normal (17%)	8,618	8,849	9,268	6,281	6,879	6,933	1,736	1,667	4,295	11,188	10,742	9,650	7,175
Dry (22%)	7,721	7,916	8,841	6,286	5,773	4,243	1,718	1,765	2,907	11,061	10,726	8,999	6,496
Critical (15%)	7,049	5,845	7,453	5,411	4,613	2,910	1,595	1,545	1,692	7,815	4,278	5,169	4,615

Alternative 1A,1B,1C (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	8,894	12,530	14,488	14,477	14,414	11,786	10,747	12,197	12,366	12,989	12,920	10,616	10,483
20%	7,641	11,250	13,151	13,979	12,867	10,083	10,176	11,062	9,988	11,050	8,905	10,109	9,832
30%	6,956	9,810	12,218	11,374	11,454	9,690	9,159	9,822	8,463	8,913	7,883	9,026	8,834
40%	6,617	8,898	11,730	10,014	10,145	9,308	8,140	8,393	7,373	6,976	7,508	8,087	8,540
50%	6,301	8,068	10,489	8,463	9,036	8,810	7,421	6,157	6,077	6,026	6,596	7,736	7,896
60%	5,864	7,022	9,282	7,243	8,456	7,227	6,524	4,289	5,040	5,375	5,862	6,921	7,077
70%	4,648	6,579	8,259	5,941	7,106	6,532	5,308	3,401	2,618	4,463	4,606	6,083	5,977
80%	3,835	4,877	6,609	4,195	6,057	5,630	3,789	2,933	2,128	2,796	3,534	4,614	5,432
90%	2,824	4,360	4,654	2,128	4,639	3,512	2,769	2,151	1,760	1,774	2,335	3,068	3,954
Long Term													
Full Simulation Period[a]	5,985	8,080	9,899	8,512	9,153	7,955	7,068	6,701	6,301	6,664	6,833	7,334	7,540
Water Year Types[b]													
Wet (32%)	7,185	10,098	11,600	11,646	10,401	9,239	9,240	9,831	9,459	9,101	9,500	9,917	9,768
Above Normal (15%)	5,378	7,989	9,464	10,622	11,486	11,281	9,187	9,394	9,747	8,035	9,101	9,327	9,251
Below Normal (17%)	5,543	8,402	9,680	7,952	9,674	8,245	7,826	6,752	6,003	6,757	6,468	7,322	7,552
Dry (22%)	5,872	7,097	9,506	6,282	7,907	6,719	5,059	3,671	2,725	4,927	4,598	5,468	5,819
Critical (15%)	4,680	4,898	7,490	3,609	5,379	3,362	2,374	1,712	1,723	2,509	2,563	2,559	3,572

Alternative 1A,1B,1C (LLT) minus Existing Condition

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	-2,149	1,595	3,171	5,545	3,635	1,970	7,507	8,816	3,335	1,394	1,194	-543	1,772
20%	-3,326	334	1,916	6,230	3,540	949	7,900	8,765	2,752	-505	-2,780	-1,028	1,435
30%	-3,433	-1,093	2,230	4,491	3,197	1,043	7,105	7,976	2,995	-2,588	-3,785	-2,015	799
40%	-2,964	-1,219	2,531	3,215	2,438	1,926	6,298	6,732	2,248	-4,449	-4,043	-2,258	906
50%	-2,671	-984	1,989	2,028	2,181	2,205	5,707	4,587	1,608	-5,359	-4,865	-2,155	636
60%	-1,839	-1,352	1,278	878	1,858	1,633	4,917	2,789	1,533	-5,909	-5,487	-2,518	86
70%	-2,532	-633	621	36	1,137	1,728	3,808	1,901	-461	-6,613	-6,452	-2,947	-635
80%	-2,304	-1,372	-487	-857	1,079	1,117	2,289	1,433	-658	-7,601	-5,427	-3,604	-818
90%	-2,023	-299	-1,531	-2,332	816	1,252	1,269	651	162	-7,212	-2,028	-1,928	-807
Long Term													
Full Simulation Period[a]	-2,404	-408	1,151	1,884	2,048	1,392	4,992	4,513	1,457	-3,986	-3,251	-1,994	450
Water Year Types[b]													
Wet (32%)	-2,160	-19	2,733	3,952	1,160	208	6,393	6,537	2,073	-2,276	-1,961	-935	1,309
Above Normal (15%)	-3,017	-50	431	4,175	4,254	3,369	7,368	7,719	3,715	-2,630	-2,076	-977	1,857
Below Normal (17%)	-3,075	-447	411	1,671	2,794	1,311	6,090	5,085	1,708	-4,431	-4,274	-2,328	376
Dry (22%)	-1,849	-819	665	-5	2,134	2,475	3,341	1,907	-182	-6,134	-6,128	-3,531	-677
Critical (15%)	-2,369	-947	37	-1,803	766	452	779	167	31	-5,305	-1,715	-2,610	-1,043

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-10-1-3. Total Delta Exports, Monthly Delivery Rate

Existing Condition

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	11,044	10,934	11,317	8,932	10,779	9,816	3,240	3,381	9,032	11,595	11,725	11,158	8,711
20%	10,967	10,917	11,235	7,749	9,327	9,134	2,276	2,297	7,236	11,555	11,685	11,137	8,397
30%	10,389	10,903	9,988	6,883	8,257	8,647	2,055	1,847	5,468	11,502	11,669	11,041	8,035
40%	9,581	10,117	9,200	6,799	7,707	7,383	1,842	1,660	5,125	11,426	11,551	10,345	7,633
50%	8,972	9,052	8,500	6,435	6,855	6,604	1,714	1,570	4,469	11,384	11,461	9,891	7,261
60%	7,704	8,374	8,004	6,365	6,598	5,594	1,607	1,500	3,506	11,284	11,350	9,439	6,991
70%	7,180	7,212	7,638	5,905	5,969	4,804	1,500	1,500	3,080	11,076	11,058	9,029	6,612
80%	6,139	6,249	7,096	5,053	4,978	4,513	1,500	1,500	2,787	10,397	8,961	8,218	6,250
90%	4,847	4,660	6,185	4,460	3,823	2,260	1,500	1,500	1,598	8,986	4,363	4,996	4,761
Long Term													
Full Simulation Period[a]	8,389	8,488	8,747	6,627	7,105	6,562	2,076	2,188	4,844	10,650	10,084	9,328	7,091
Water Year Types[b]													
Wet (32%)	9,345	10,117	8,867	7,695	9,241	9,030	2,847	3,294	7,386	11,377	11,461	10,853	8,459
Above Normal (15%)	8,395	8,039	9,033	6,447	7,231	7,913	1,819	1,675	6,033	10,665	11,177	10,304	7,394
Below Normal (17%)	8,618	8,849	9,268	6,281	6,879	6,933	1,736	1,667	4,295	11,188	10,742	9,650	7,175
Dry (22%)	7,721	7,916	8,841	6,286	5,773	4,243	1,718	1,765	2,907	11,061	10,726	8,999	6,496
Critical (15%)	7,049	5,845	7,453	5,411	4,613	2,910	1,595	1,545	1,692	7,815	4,278	5,169	4,615

Alternative 2A,2B,2C (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	6,148	10,837	14,138	14,517	14,532	13,316	10,935	12,169	13,496	13,313	12,928	7,529	10,266
20%	4,882	8,586	11,020	14,449	14,368	11,707	10,157	10,866	12,403	12,059	10,290	6,904	9,396
30%	4,333	7,082	10,448	12,050	12,321	10,827	8,578	7,984	10,746	9,758	9,092	6,640	8,516
40%	3,813	5,661	10,278	9,165	11,384	9,971	6,612	5,336	9,034	8,699	8,251	6,325	7,891
50%	3,460	4,762	9,525	7,256	9,513	9,274	5,267	3,473	6,978	7,627	7,460	5,913	7,223
60%	3,126	4,255	8,597	6,382	8,058	7,860	3,817	2,522	4,636	6,570	6,344	4,833	6,341
70%	2,955	2,331	7,849	5,081	7,135	6,168	2,972	2,271	2,531	5,443	5,220	4,247	5,440
80%	2,687	1,854	6,952	3,381	5,578	5,144	2,282	2,087	2,259	4,711	4,183	3,805	4,594
90%	2,219	1,108	5,363	2,375	4,099	3,311	2,033	1,632	1,815	2,321	2,710	3,282	3,585
Long Term													
Full Simulation Period[a]	3,858	5,418	9,148	8,260	9,397	8,569	6,012	5,552	7,164	7,772	7,398	5,494	7,003
Water Year Types[b]													
Wet (32%)	4,685	6,346	10,909	12,262	12,002	10,777	8,899	8,937	10,558	9,761	9,800	5,876	9,234
Above Normal (15%)	3,705	5,425	8,919	9,597	11,194	11,377	8,039	7,482	11,295	9,593	9,686	6,422	8,561
Below Normal (17%)	3,130	5,261	9,466	6,816	10,314	8,738	5,458	4,271	6,915	9,035	8,061	6,650	7,010
Dry (22%)	3,822	5,028	8,311	5,531	6,991	6,955	3,561	3,015	3,251	5,851	4,827	5,349	5,208
Critical (15%)	3,124	4,170	6,448	4,028	4,499	3,200	2,050	1,586	1,840	3,050	2,987	2,604	3,299

Alternative 2A,2B,2C (LLT) minus Existing Condition

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	-4,896	-97	2,821	5,585	3,753	3,500	7,695	8,788	4,464	1,719	1,203	-3,629	1,555
20%	-6,085	-2,330	-214	6,701	5,040	2,573	7,881	8,570	5,168	504	-1,395	-4,232	998
30%	-6,056	-3,821	460	5,167	4,065	2,180	6,523	6,137	5,277	-1,744	-2,577	-4,401	481
40%	-5,768	-4,457	1,078	2,366	3,677	2,589	4,771	3,676	3,909	-2,727	-3,300	-4,020	258
50%	-5,512	-4,291	1,025	821	2,658	2,670	3,553	1,904	2,509	-3,758	-4,000	-3,978	-38
60%	-4,577	-4,119	593	17	1,460	2,267	2,210	1,022	1,130	-4,714	-5,005	-4,606	-650
70%	-4,225	-4,881	211	-824	1,166	1,364	1,472	771	-549	-5,632	-5,838	-4,782	-1,172
80%	-3,452	-4,395	-144	-1,672	600	631	782	587	-527	-5,686	-4,778	-4,413	-1,656
90%	-2,629	-3,552	-822	-2,085	276	1,051	533	132	217	-6,665	-1,653	-1,715	-1,176
Long Term													
Full Simulation Period[a]	-4,531	-3,070	401	1,632	2,292	2,007	3,936	3,364	2,320	-2,878	-2,686	-3,835	-87
Water Year Types[b]													
Wet (32%)	-4,660	-3,771	2,043	4,567	2,761	1,747	6,052	5,642	3,171	-1,616	-1,661	-4,976	775
Above Normal (15%)	-4,689	-2,614	-114	3,149	3,963	3,464	6,220	5,807	5,263	-1,073	-1,491	-3,883	1,167
Below Normal (17%)	-5,488	-3,588	198	535	3,435	1,805	3,722	2,604	2,620	-2,153	-2,680	-2,999	-166
Dry (22%)	-3,899	-2,887	-530	-755	1,218	2,711	1,843	1,251	344	-5,210	-5,899	-3,650	-1,289
Critical (15%)	-3,925	-1,675	-1,005	-1,384	-114	291	455	40	148	-4,765	-1,291	-2,566	-1,316

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-10-1-4. Total Delta Exports, Monthly Delivery Rate

Existing Condition

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	11,044	10,934	11,317	8,932	10,779	9,816	3,240	3,381	9,032	11,595	11,725	11,158	8,711
20%	10,967	10,917	11,235	7,749	9,327	9,134	2,276	2,297	7,236	11,555	11,685	11,137	8,397
30%	10,389	10,903	9,988	6,883	8,257	8,647	2,055	1,847	5,468	11,502	11,669	11,041	8,035
40%	9,581	10,117	9,200	6,799	7,707	7,383	1,842	1,660	5,125	11,426	11,551	10,345	7,633
50%	8,972	9,052	8,500	6,435	6,855	6,604	1,714	1,570	4,469	11,384	11,461	9,891	7,261
60%	7,704	8,374	8,004	6,365	6,598	5,594	1,607	1,500	3,506	11,284	11,350	9,439	6,991
70%	7,180	7,212	7,638	5,905	5,969	4,804	1,500	1,500	3,080	11,076	11,058	9,029	6,612
80%	6,139	6,249	7,096	5,053	4,978	4,513	1,500	1,500	2,787	10,397	8,961	8,218	6,250
90%	4,847	4,660	6,185	4,460	3,823	2,260	1,500	1,500	1,598	8,986	4,363	4,996	4,761
Long Term													
Full Simulation Period[a]	8,389	8,488	8,747	6,627	7,105	6,562	2,076	2,188	4,844	10,650	10,084	9,328	7,091
Water Year Types[b]													
Wet (32%)	9,345	10,117	8,867	7,695	9,241	9,030	2,847	3,294	7,386	11,377	11,461	10,853	8,459
Above Normal (15%)	8,395	8,039	9,033	6,447	7,231	7,913	1,819	1,675	6,033	10,665	11,177	10,304	7,394
Below Normal (17%)	8,618	8,849	9,268	6,281	6,879	6,933	1,736	1,667	4,295	11,188	10,742	9,650	7,175
Dry (22%)	7,721	7,916	8,841	6,286	5,773	4,243	1,718	1,765	2,907	11,061	10,726	8,999	6,496
Critical (15%)	7,049	5,845	7,453	5,411	4,613	2,910	1,595	1,545	1,692	7,815	4,278	5,169	4,615

Alternative 3 (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	8,894	12,614	13,977	13,066	13,601	11,566	10,998	11,167	12,074	13,022	12,897	11,500	10,340
20%	7,331	11,056	12,413	11,544	11,597	10,629	10,208	10,265	9,006	11,614	8,892	10,207	9,663
30%	6,959	9,577	11,654	10,319	10,330	9,702	9,100	9,664	7,921	9,521	8,235	9,139	8,899
40%	6,806	8,952	11,324	9,253	9,437	9,215	7,956	7,610	6,969	8,025	7,609	8,119	8,414
50%	6,097	8,024	10,236	8,153	8,648	8,631	7,269	6,272	5,648	6,500	6,954	7,419	7,932
60%	5,474	7,065	9,000	7,225	7,574	7,390	6,081	4,341	4,521	5,546	6,059	6,537	6,978
70%	4,538	6,583	8,210	5,959	7,095	6,150	4,867	3,353	2,333	4,670	4,628	5,768	5,914
80%	3,777	4,977	7,000	4,278	5,928	5,177	3,324	2,834	1,802	3,135	3,718	4,855	5,193
90%	2,760	4,360	4,991	2,713	4,274	3,927	2,708	2,115	1,478	1,761	2,363	3,575	3,984
Long Term													
Full Simulation Period[a]	5,879	8,069	9,641	8,027	8,650	7,959	6,973	6,430	5,924	7,077	6,980	7,426	7,420
Water Year Types[b]													
Wet (32%)	7,150	9,952	11,051	10,926	10,535	9,554	9,354	9,387	9,219	9,279	9,612	10,148	9,681
Above Normal (15%)	5,307	7,984	9,137	9,393	10,285	11,163	9,319	8,854	9,081	8,365	9,187	9,730	8,984
Below Normal (17%)	5,521	8,332	9,547	7,945	8,981	8,253	7,539	6,327	5,369	7,850	7,227	7,142	7,503
Dry (22%)	5,748	7,321	9,473	6,063	7,096	6,325	4,630	3,753	2,355	5,042	4,420	5,276	5,625
Critical (15%)	4,313	4,893	7,454	3,417	4,877	3,405	2,322	1,732	1,632	3,168	2,625	2,781	3,552

Alternative 3 (LLT) minus Existing Condition

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	-2,149	1,680	2,660	4,134	2,822	1,750	7,758	7,786	3,042	1,428	1,172	342	1,629
20%	-3,636	140	1,179	3,795	2,270	1,494	7,933	7,968	1,770	60	-2,793	-930	1,266
30%	-3,430	-1,327	1,666	3,436	2,073	1,055	7,045	7,817	2,452	-1,981	-3,434	-1,903	864
40%	-2,776	-1,166	2,124	2,454	1,729	1,832	6,115	5,950	1,844	-3,401	-3,942	-2,226	781
50%	-2,875	-1,028	1,736	1,718	1,794	2,027	5,555	4,703	1,179	-4,884	-4,507	-2,472	671
60%	-2,230	-1,308	996	860	976	1,796	4,474	2,841	1,015	-5,738	-5,291	-2,903	-13
70%	-2,642	-629	572	54	1,126	1,346	3,367	1,853	-746	-6,405	-6,430	-3,261	-698
80%	-2,362	-1,272	-96	-775	950	664	1,824	1,334	-984	-7,262	-5,242	-3,363	-1,056
90%	-2,087	-299	-1,194	-1,747	451	1,667	1,208	615	-120	-7,225	-1,999	-1,421	-777
Long Term													
Full Simulation Period[a]	-2,510	-418	894	1,399	1,545	1,396	4,897	4,242	1,081	-3,573	-3,104	-1,902	329
Water Year Types[b]													
Wet (32%)	-2,195	-165	2,185	3,232	1,295	523	6,507	6,093	1,832	-2,098	-1,849	-705	1,221
Above Normal (15%)	-3,088	-55	104	2,946	3,054	3,250	7,501	7,178	3,048	-2,300	-1,990	-575	1,589
Below Normal (17%)	-3,097	-517	279	1,664	2,102	1,320	5,802	4,660	1,075	-3,338	-3,515	-2,508	327
Dry (22%)	-1,973	-595	632	-223	1,323	2,082	2,912	1,988	-552	-6,019	-6,306	-3,722	-871
Critical (15%)	-2,736	-952	0	-1,994	264	496	727	187	-60	-4,647	-1,652	-2,388	-1,063

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-10-1-5. Total Delta Exports, Monthly Delivery Rate

Existing Condition

	Monthly Delivery Rate (CFS)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**AVG**
Probability of Exceedance													
10%	11,044	10,934	11,317	8,932	10,779	9,816	3,240	3,381	9,032	11,595	11,725	11,158	8,711
20%	10,967	10,917	11,235	7,749	9,327	9,134	2,276	2,297	7,236	11,555	11,685	11,137	8,397
30%	10,389	10,903	9,988	6,883	8,257	8,647	2,055	1,847	5,468	11,502	11,669	11,041	8,035
40%	9,581	10,117	9,200	6,799	7,707	7,383	1,842	1,660	5,125	11,426	11,551	10,345	7,633
50%	8,972	9,052	8,500	6,435	6,855	6,604	1,714	1,570	4,469	11,384	11,461	9,891	7,261
60%	7,704	8,374	8,004	6,365	6,598	5,594	1,607	1,500	3,506	11,284	11,350	9,439	6,991
70%	7,180	7,212	7,638	5,905	5,969	4,804	1,500	1,500	3,080	11,076	11,058	9,029	6,612
80%	6,139	6,249	7,096	5,053	4,978	4,513	1,500	1,500	2,787	10,397	8,961	8,218	6,250
90%	4,847	4,660	6,185	4,460	3,823	2,260	1,500	1,500	1,598	8,986	4,363	4,996	4,761
Long Term													
Full Simulation Period[a]	8,389	8,488	8,747	6,627	7,105	6,562	2,076	2,188	4,844	10,650	10,084	9,328	7,091
Water Year Types[b]													
Wet (32%)	9,345	10,117	8,867	7,695	9,241	9,030	2,847	3,294	7,386	11,377	11,461	10,853	8,459
Above Normal (15%)	8,395	8,039	9,033	6,447	7,231	7,913	1,819	1,675	6,033	10,665	11,177	10,304	7,394
Below Normal (17%)	8,618	8,849	9,268	6,281	6,879	6,933	1,736	1,667	4,295	11,188	10,742	9,650	7,175
Dry (22%)	7,721	7,916	8,841	6,286	5,773	4,243	1,718	1,765	2,907	11,061	10,726	8,999	6,496
Critical (15%)	7,049	5,845	7,453	5,411	4,613	2,910	1,595	1,545	1,692	7,815	4,278	5,169	4,615

Alternative 4 H1 (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**AVG**
Probability of Exceedance													
10%	6,876	11,519	12,760	14,224	14,517	11,772	10,204	10,248	12,134	14,018	13,053	10,940	10,252
20%	6,330	10,305	11,146	12,598	11,605	10,663	9,736	9,465	10,743	12,925	11,908	10,184	9,213
30%	5,582	9,250	10,199	10,566	10,844	10,224	8,287	6,558	9,732	11,236	9,691	9,187	8,925
40%	4,742	8,669	9,534	8,566	10,147	9,538	6,482	4,480	8,558	9,543	8,669	8,264	8,255
50%	3,940	7,811	8,959	7,443	8,773	8,902	4,855	3,284	7,228	8,302	7,692	7,931	7,729
60%	3,487	7,078	8,333	6,368	8,047	7,593	3,809	2,809	5,459	6,431	6,475	6,980	6,620
70%	3,011	6,612	7,865	5,567	6,696	6,111	2,873	2,313	3,254	5,362	5,527	5,991	5,630
80%	2,719	5,346	6,403	3,454	5,550	5,114	2,239	2,109	2,230	4,203	4,177	5,182	5,075
90%	2,428	4,462	5,249	2,404	3,951	3,800	1,997	1,632	1,721	2,416	2,854	3,514	3,986
Long Term													
Full Simulation Period[a]	4,469	7,865	8,817	7,982	8,809	8,132	5,697	4,935	6,754	8,257	7,866	7,574	7,263
Water Year Types[b]													
Wet (32%)	5,461	9,195	10,569	11,248	11,122	10,058	8,341	7,762	9,738	10,568	10,163	10,062	9,524
Above Normal (15%)	3,919	7,793	8,443	9,378	10,542	10,239	7,726	6,276	9,665	10,160	10,580	9,497	8,685
Below Normal (17%)	4,039	8,363	9,333	6,664	9,673	9,268	5,094	4,066	7,267	9,264	8,468	7,635	7,428
Dry (22%)	4,406	7,141	7,933	5,571	6,484	6,336	3,455	2,882	3,375	6,721	5,507	5,713	5,460
Critical (15%)	3,464	5,563	6,121	4,660	4,541	3,222	2,006	1,560	1,845	2,475	3,014	2,978	3,454

Alternative 4 H1 (LLT) minus Existing Condition

	Monthly Delivery Rate (CFS)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**AVG**
Probability of Exceedance													
10%	**-4,168**	585	1,443	5,292	3,739	1,956	6,964	6,866	3,102	2,423	1,327	**-218**	1,541
20%	**-4,637**	**-611**	**-89**	4,849	2,278	1,529	7,461	7,169	3,508	1,370	223	**-953**	815
30%	**-4,807**	**-1,654**	210	3,683	2,587	1,577	6,233	4,711	4,264	**-266**	**-1,977**	**-1,854**	889
40%	**-4,839**	**-1,448**	334	1,767	2,439	2,155	4,640	2,820	3,433	**-1,883**	**-2,882**	**-2,080**	621
50%	**-5,032**	**-1,241**	459	1,007	1,919	2,298	3,141	1,714	2,759	**-3,082**	**-3,769**	**-1,960**	468
60%	**-4,217**	**-1,295**	328	3	1,449	2,000	2,201	1,309	1,952	**-4,853**	**-4,875**	**-2,459**	**-371**
70%	**-4,169**	**-599**	226	**-338**	726	1,307	1,373	813	174	**-5,713**	**-5,531**	**-3,039**	**-982**
80%	**-3,420**	**-904**	**-694**	**-1,598**	571	601	739	609	**-557**	**-6,194**	**-4,783**	**-3,036**	**-1,175**
90%	**-2,420**	**-198**	**-936**	**-2,057**	128	1,540	497	132	123	**-6,570**	**-1,508**	**-1,482**	**-775**
Long Term													
Full Simulation Period[a]	**-3,921**	**-623**	70	1,354	1,704	1,570	3,621	2,747	1,910	**-2,393**	**-2,218**	**-1,755**	172
Water Year Types[b]													
Wet (32%)	**-3,884**	**-922**	1,702	3,554	1,881	1,027	5,494	4,468	2,352	**-809**	**-1,299**	**-790**	1,064
Above Normal (15%)	**-4,475**	**-246**	**-589**	2,931	3,311	2,326	5,908	4,601	3,633	**-505**	**-597**	**-807**	1,291
Below Normal (17%)	**-4,579**	**-485**	64	383	2,794	2,335	3,357	2,400	2,973	**-1,924**	**-2,274**	**-2,015**	252
Dry (22%)	**-3,315**	**-775**	**-908**	**-715**	711	2,093	1,738	1,118	468	**-4,340**	**-5,219**	**-3,286**	**-1,036**
Critical (15%)	**-3,585**	**-282**	**-1,332**	**-751**	**-71**	312	411	15	153	**-5,340**	**-1,264**	**-2,191**	**-1,161**

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-10-1-6. Total Delta Exports, Monthly Delivery Rate

Existing Condition

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	11,044	10,934	11,317	8,932	10,779	9,816	3,240	3,381	9,032	11,595	11,725	11,158	8,711
20%	10,967	10,917	11,235	7,749	9,327	9,134	2,276	2,297	7,236	11,555	11,685	11,137	8,397
30%	10,389	10,903	9,988	6,883	8,257	8,647	2,055	1,847	5,468	11,502	11,669	11,041	8,035
40%	9,581	10,117	9,200	6,799	7,707	7,383	1,842	1,660	5,125	11,426	11,551	10,345	7,633
50%	8,972	9,052	8,500	6,435	6,855	6,604	1,714	1,570	4,469	11,384	11,461	9,891	7,261
60%	7,704	8,374	8,004	6,365	6,598	5,594	1,607	1,500	3,506	11,284	11,350	9,439	6,991
70%	7,180	7,212	7,638	5,905	5,969	4,804	1,500	1,500	3,080	11,076	11,058	9,029	6,612
80%	6,139	6,249	7,096	5,053	4,978	4,513	1,500	1,500	2,787	10,397	8,961	8,218	6,250
90%	4,847	4,660	6,185	4,460	3,823	2,260	1,500	1,500	1,598	8,986	4,363	4,996	4,761
Long Term													
Full Simulation Period[a]	8,389	8,488	8,747	6,627	7,105	6,562	2,076	2,188	4,844	10,650	10,084	9,328	7,091
Water Year Types[b]													
Wet (32%)	9,345	10,117	8,867	7,695	9,241	9,030	2,847	3,294	7,386	11,377	11,461	10,853	8,459
Above Normal (15%)	8,395	8,039	9,033	6,447	7,231	7,913	1,819	1,675	6,033	10,665	11,177	10,304	7,394
Below Normal (17%)	8,618	8,849	9,268	6,281	6,879	6,933	1,736	1,667	4,295	11,188	10,742	9,650	7,175
Dry (22%)	7,721	7,916	8,841	6,286	5,773	4,243	1,718	1,765	2,907	11,061	10,726	8,999	6,496
Critical (15%)	7,049	5,845	7,453	5,411	4,613	2,910	1,595	1,545	1,692	7,815	4,278	5,169	4,615

Alternative 4 H2 (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	7,532	11,058	14,096	14,197	14,484	11,367	9,903	9,826	9,550	12,194	11,468	10,964	9,654
20%	6,026	10,268	10,924	12,890	11,504	10,552	8,076	6,445	7,417	10,784	10,417	9,611	8,295
30%	4,687	9,297	10,160	10,621	10,905	9,333	6,519	3,430	6,162	9,115	9,457	8,660	7,476
40%	4,282	8,556	9,356	8,483	10,016	7,896	2,613	2,310	4,818	8,328	8,491	8,115	7,046
50%	3,831	7,986	8,397	7,248	8,804	5,717	1,813	1,770	3,504	7,248	8,022	7,527	6,613
60%	3,559	7,077	7,789	6,461	8,187	4,263	1,500	1,500	2,432	6,429	7,460	7,175	6,020
70%	3,223	6,544	7,117	5,278	6,339	1,604	1,500	1,500	2,117	5,127	6,033	6,528	5,551
80%	2,917	5,236	6,178	3,499	5,525	1,500	1,500	1,500	1,338	4,389	4,351	5,450	5,052
90%	2,514	4,522	5,180	2,389	3,802	1,500	1,500	1,258	1,075	1,573	2,842	3,457	3,539
Long Term													
Full Simulation Period[a]	4,425	7,849	8,635	7,984	8,640	6,138	4,050	3,619	4,470	7,292	7,571	7,459	6,511
Water Year Types[b]													
Wet (32%)	5,514	9,355	10,838	11,389	10,813	7,826	6,544	6,004	6,730	8,839	9,023	10,024	8,575
Above Normal (15%)	3,699	7,581	8,188	9,648	10,487	8,842	4,814	4,282	5,092	7,398	9,945	8,457	7,370
Below Normal (17%)	4,337	8,060	8,675	6,605	9,369	5,329	3,385	2,166	4,384	8,547	8,372	7,675	6,409
Dry (22%)	4,033	7,117	7,676	5,340	6,440	4,700	2,050	2,352	2,876	6,973	6,131	5,833	5,127
Critical (15%)	3,480	5,703	5,699	4,519	4,533	2,879	1,659	1,388	1,445	2,852	3,279	3,091	3,377

Alternative 4 H2 (LLT) minus Existing Condition

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	-3,511	124	2,780	5,265	3,705	1,551	6,663	6,445	518	599	-257	-194	943
20%	-4,941	-648	-311	5,142	2,176	1,418	5,800	4,148	181	-771	-1,268	-1,525	-102
30%	-5,703	-1,607	172	3,738	2,649	686	4,464	1,583	694	-2,387	-2,212	-2,382	-559
40%	-5,300	-1,561	156	1,684	2,308	514	771	649	-307	-3,097	-3,060	-2,230	-587
50%	-5,141	-1,066	-103	812	1,950	-887	99	200	-965	-4,136	-3,439	-2,364	-648
60%	-4,145	-1,297	-216	96	1,589	-1,330	-107	0	-1,075	-4,855	-3,890	-2,265	-971
70%	-3,957	-668	-521	-627	369	-3,201	0	0	-963	-5,948	-5,025	-2,502	-1,061
80%	-3,222	-1,013	-919	-1,554	546	-3,013	0	0	-1,449	-6,008	-4,609	-2,767	-1,198
90%	-2,333	-138	-1,005	-2,071	-21	-760	0	-242	-523	-7,413	-1,520	-1,540	-1,222
Long Term													
Full Simulation Period[a]	-3,964	-639	-112	1,357	1,535	-424	1,974	1,432	-374	-3,357	-2,513	-1,869	-580
Water Year Types[b]													
Wet (32%)	-3,831	-761	1,971	3,694	1,572	-1,204	3,697	2,709	-657	-2,538	-2,438	-828	116
Above Normal (15%)	-4,695	-458	-844	3,201	3,256	929	2,996	2,607	-941	-3,267	-1,232	-1,847	-25
Below Normal (17%)	-4,281	-788	-594	324	2,490	-1,604	1,648	499	89	-2,641	-2,370	-1,975	-767
Dry (22%)	-3,688	-798	-1,165	-946	667	457	332	587	-31	-4,088	-4,595	-3,166	-1,369
Critical (15%)	-3,569	-142	-1,754	-892	-80	-31	64	-158	-247	-4,963	-999	-2,078	-1,237

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-10-1-7. Total Delta Exports, Monthly Delivery Rate

Existing Condition

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	11,044	10,934	11,317	8,932	10,779	9,816	3,240	3,381	9,032	11,595	11,725	11,158	8,711
20%	10,967	10,917	11,235	7,749	9,327	9,134	2,276	2,297	7,236	11,555	11,685	11,137	8,397
30%	10,389	10,903	9,988	6,883	8,257	8,647	2,055	1,847	5,468	11,502	11,669	11,041	8,035
40%	9,581	10,117	9,200	6,799	7,707	7,383	1,842	1,660	5,125	11,426	11,551	10,345	7,633
50%	8,972	9,052	8,500	6,435	6,855	6,604	1,714	1,570	4,469	11,384	11,461	9,891	7,261
60%	7,704	8,374	8,004	6,365	6,598	5,594	1,607	1,500	3,506	11,284	11,350	9,439	6,991
70%	7,180	7,212	7,638	5,905	5,969	4,804	1,500	1,500	3,080	11,076	11,058	9,029	6,612
80%	6,139	6,249	7,096	5,053	4,978	4,513	1,500	1,500	2,787	10,397	8,961	8,218	6,250
90%	4,847	4,660	6,185	4,460	3,823	2,260	1,500	1,500	1,598	8,986	4,363	4,996	4,761
Long Term													
Full Simulation Period[a]	8,389	8,488	8,747	6,627	7,105	6,562	2,076	2,188	4,844	10,650	10,084	9,328	7,091
Water Year Types[b]													
Wet (32%)	9,345	10,117	8,867	7,695	9,241	9,030	2,847	3,294	7,386	11,377	11,461	10,853	8,459
Above Normal (15%)	8,395	8,039	9,033	6,447	7,231	7,913	1,819	1,675	6,033	10,665	11,177	10,304	7,394
Below Normal (17%)	8,618	8,849	9,268	6,281	6,879	6,933	1,736	1,667	4,295	11,188	10,742	9,650	7,175
Dry (22%)	7,721	7,916	8,841	6,286	5,773	4,243	1,718	1,765	2,907	11,061	10,726	8,999	6,496
Critical (15%)	7,049	5,845	7,453	5,411	4,613	2,910	1,595	1,545	1,692	7,815	4,278	5,169	4,615

Alternative 4 H3 (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	6,302	10,408	12,713	14,399	14,518	12,245	10,589	10,483	12,164	13,953	13,287	8,439	9,796
20%	4,878	8,871	10,874	12,740	11,778	10,914	9,932	9,455	10,950	12,696	11,819	7,038	8,939
30%	4,172	6,755	10,341	10,566	11,125	10,480	8,293	7,232	10,274	11,252	9,523	6,655	8,222
40%	3,843	5,801	10,105	8,456	10,635	9,760	6,491	4,511	8,848	9,405	8,755	6,121	7,686
50%	3,449	4,793	9,369	7,359	8,828	8,792	5,110	3,357	7,132	8,624	7,448	5,741	7,137
60%	3,222	4,254	8,377	6,451	7,913	7,484	3,809	2,492	4,809	6,756	6,533	4,872	6,363
70%	2,841	2,601	7,504	5,092	6,957	5,965	2,962	2,191	3,095	5,224	5,258	4,336	5,396
80%	2,694	1,878	6,291	3,286	5,580	5,140	2,246	2,057	2,257	4,351	4,009	3,681	4,535
90%	2,222	1,342	5,170	2,381	3,834	3,356	1,995	1,576	1,726	2,429	3,000	3,227	3,826
Long Term													
Full Simulation Period[a]	3,831	5,316	8,851	7,840	8,942	8,196	5,721	4,950	6,777	8,223	7,754	5,574	6,831
Water Year Types[b]													
Wet (32%)	4,642	5,975	10,545	11,306	11,625	10,556	8,446	7,832	9,931	10,652	10,275	5,918	8,975
Above Normal (15%)	3,634	5,213	8,685	9,057	10,688	10,115	7,563	6,475	9,726	10,247	10,473	6,445	8,193
Below Normal (17%)	3,044	5,375	9,200	6,484	9,335	8,856	5,213	3,972	6,904	9,523	8,495	7,014	6,951
Dry (22%)	3,936	5,094	7,927	5,335	6,506	6,405	3,448	2,781	3,486	6,049	5,020	5,315	5,109
Critical (15%)	3,034	4,256	6,323	4,452	4,581	3,083	1,976	1,573	1,785	2,683	2,810	2,664	3,268

Alternative 4 H3 (LLT) minus Existing Condition

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	-4,742	-527	1,396	5,467	3,739	2,428	7,349	7,101	3,132	2,358	1,562	-2,719	1,085
20%	-6,089	-2,046	-361	4,992	2,451	1,780	7,656	7,159	3,714	1,142	134	-4,098	541
30%	-6,217	-4,148	353	3,683	2,869	1,833	6,238	5,386	4,805	-250	-2,145	-4,386	186
40%	-5,738	-4,316	905	1,657	2,927	2,377	4,650	2,851	3,723	-2,020	-2,796	-4,224	52
50%	-5,523	-4,259	869	924	1,973	2,188	3,396	1,787	2,663	-2,761	-4,013	-4,150	-124
60%	-4,482	-4,120	373	86	1,315	1,890	2,202	992	1,303	-4,528	-4,817	-4,567	-628
70%	-4,339	-4,611	-134	-813	987	1,161	1,462	691	15	-5,852	-5,800	-4,693	-1,217
80%	-3,445	-4,371	-805	-1,766	601	627	746	557	-529	-6,047	-4,952	-4,537	-1,715
90%	-2,625	-3,318	-1,015	-2,079	11	1,096	495	76	128	-6,557	-1,362	-1,769	-935
Long Term													
Full Simulation Period[a]	-4,558	-3,172	104	1,212	1,837	1,634	3,645	2,762	1,933	-2,426	-2,330	-3,755	-259
Water Year Types[b]													
Wet (32%)	-4,703	-4,141	1,678	3,611	2,384	1,525	5,599	4,538	2,544	-724	-1,186	-4,935	516
Above Normal (15%)	-4,761	-2,826	-348	2,610	3,457	2,202	5,744	4,800	3,693	-419	-704	-3,859	799
Below Normal (17%)	-5,574	-3,474	-68	202	2,455	1,923	3,476	2,305	2,610	-1,665	-2,247	-2,636	-224
Dry (22%)	-3,784	-2,821	-914	-951	733	2,162	1,730	1,017	579	-5,012	-5,706	-3,684	-1,388
Critical (15%)	-4,015	-1,590	-1,130	-959	-32	174	381	28	93	-5,131	-1,467	-2,505	-1,346

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-10-1-8. Total Delta Exports, Monthly Delivery Rate

Existing Condition

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	11,044	10,934	11,317	8,932	10,779	9,816	3,240	3,381	9,032	11,595	11,725	11,158	8,711
20%	10,967	10,917	11,235	7,749	9,327	9,134	2,276	2,297	7,236	11,555	11,685	11,137	8,397
30%	10,389	10,903	9,988	6,883	8,257	8,647	2,055	1,847	5,468	11,502	11,669	11,041	8,035
40%	9,581	10,117	9,200	6,799	7,707	7,383	1,842	1,660	5,125	11,426	11,551	10,345	7,633
50%	8,972	9,052	8,500	6,435	6,855	6,604	1,714	1,570	4,469	11,384	11,461	9,891	7,261
60%	7,704	8,374	8,004	6,365	6,598	5,594	1,607	1,500	3,506	11,284	11,350	9,439	6,991
70%	7,180	7,212	7,638	5,905	5,969	4,804	1,500	1,500	3,080	11,076	11,058	9,029	6,612
80%	6,139	6,249	7,096	5,053	4,978	4,513	1,500	1,500	2,787	10,397	8,961	8,218	6,250
90%	4,847	4,660	6,185	4,460	3,823	2,260	1,500	1,500	1,598	8,986	4,363	4,996	4,761
Long Term													
Full Simulation Period[a]	8,389	8,488	8,747	6,627	7,105	6,562	2,076	2,188	4,844	10,650	10,084	9,328	7,091
Water Year Types[b]													
Wet (32%)	9,345	10,117	8,867	7,695	9,241	9,030	2,847	3,294	7,386	11,377	11,461	10,853	8,459
Above Normal (15%)	8,395	8,039	9,033	6,447	7,231	7,913	1,819	1,675	6,033	10,665	11,177	10,304	7,394
Below Normal (17%)	8,618	8,849	9,268	6,281	6,879	6,933	1,736	1,667	4,295	11,188	10,742	9,650	7,175
Dry (22%)	7,721	7,916	8,841	6,286	5,773	4,243	1,718	1,765	2,907	11,061	10,726	8,999	6,496
Critical (15%)	7,049	5,845	7,453	5,411	4,613	2,910	1,595	1,545	1,692	7,815	4,278	5,169	4,615

Alternative 4 H4 (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	5,876	10,704	13,974	14,468	14,518	12,164	9,958	10,367	9,320	12,015	11,025	8,055	9,144
20%	4,492	8,775	10,815	12,773	11,788	10,568	8,543	6,185	7,619	9,842	9,946	7,356	7,735
30%	4,054	6,895	10,194	10,566	11,021	9,396	6,538	2,903	6,222	8,800	8,971	6,718	6,999
40%	3,901	5,494	9,475	8,456	10,509	7,731	2,509	2,167	4,993	7,903	8,560	6,296	6,596
50%	3,538	4,796	8,916	7,107	8,731	5,515	1,708	1,523	3,447	7,107	8,187	5,841	6,060
60%	3,158	3,803	7,999	6,367	7,801	3,757	1,500	1,500	2,450	6,343	7,132	5,602	5,456
70%	2,926	2,383	7,202	4,890	5,921	1,596	1,500	1,500	2,214	5,320	6,235	4,712	4,979
80%	2,780	1,849	6,266	3,324	5,160	1,500	1,500	1,500	1,263	4,089	4,225	4,047	4,472
90%	2,363	1,124	5,287	2,346	3,784	1,500	1,457	1,265	1,031	2,016	3,240	3,502	3,542
Long Term													
Full Simulation Period[a]	3,781	5,345	8,785	7,859	8,644	6,268	4,086	3,542	4,486	7,147	7,473	5,765	6,099
Water Year Types[b]													
Wet (32%)	4,393	6,340	10,784	11,238	11,062	8,568	6,773	5,917	6,884	9,203	9,074	6,349	8,049
Above Normal (15%)	3,553	5,423	8,589	9,565	10,673	8,629	4,810	4,287	5,266	7,225	9,283	6,187	6,958
Below Normal (17%)	3,338	5,059	9,042	6,331	8,997	4,934	3,282	2,091	4,725	8,373	8,163	6,784	5,927
Dry (22%)	3,687	4,919	7,625	5,385	6,304	4,654	2,004	2,169	2,349	6,038	6,125	5,712	4,748
Critical (15%)	3,343	4,085	6,091	4,328	4,477	2,899	1,601	1,402	1,434	2,848	3,412	2,971	3,241

Alternative 4 H4 (LLT) minus Existing Condition

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	-5,168	-230	2,657	5,536	3,739	2,347	6,718	6,985	288	420	-700	-3,104	433
20%	-6,475	-2,142	-419	5,025	2,461	1,434	6,268	3,889	383	-1,713	-1,739	-3,780	-663
30%	-6,335	-4,009	206	3,683	2,765	749	4,483	1,056	754	-2,702	-2,698	-4,323	-1,037
40%	-5,681	-4,623	275	1,657	2,801	348	668	506	-132	-3,523	-2,991	-4,049	-1,037
50%	-5,433	-4,257	416	672	1,876	-1,089	-7	-47	-1,022	-4,278	-3,273	-4,050	-1,201
60%	-4,546	-4,571	-5	1	1,203	-1,837	-107	0	-1,057	-4,941	-4,218	-3,838	-1,535
70%	-4,254	-4,829	-436	-1,015	-48	-3,208	0	0	-866	-5,755	-4,823	-4,317	-1,633
80%	-3,359	-4,400	-831	-1,729	182	-3,013	0	0	-1,523	-6,309	-4,735	-4,171	-1,777
90%	-2,484	-3,536	-898	-2,114	-39	-760	-43	-235	-567	-6,970	-1,123	-1,495	-1,219
Long Term													
Full Simulation Period[a]	-4,608	-3,142	38	1,232	1,539	-294	2,010	1,354	-358	-3,503	-2,611	-3,563	-992
Water Year Types[b]													
Wet (32%)	-4,952	-3,776	1,917	3,543	1,821	-462	3,926	2,623	-502	-2,173	-2,387	-4,503	-410
Above Normal (15%)	-4,841	-2,616	-444	3,118	3,441	716	2,992	2,612	-767	-3,441	-1,894	-4,118	-437
Below Normal (17%)	-5,280	-3,790	-227	49	2,118	-1,999	1,546	425	431	-2,814	-2,578	-2,866	-1,249
Dry (22%)	-4,034	-2,996	-1,216	-901	531	410	286	404	-558	-5,023	-4,601	-3,287	-1,749
Critical (15%)	-3,706	-1,760	-1,362	-1,084	-136	-10	6	-143	-257	-4,967	-866	-2,199	-1,374

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-10-1-9. Total Delta Exports, Monthly Delivery Rate

Existing Condition

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	11,044	10,934	11,317	8,932	10,779	9,816	3,240	3,381	9,032	11,595	11,725	11,158	8,711
20%	10,967	10,917	11,235	7,749	9,327	9,134	2,276	2,297	7,236	11,555	11,685	11,137	8,397
30%	10,389	10,903	9,988	6,883	8,257	8,647	2,055	1,847	5,468	11,502	11,669	11,041	8,035
40%	9,581	10,117	9,200	6,799	7,707	7,383	1,842	1,660	5,125	11,426	11,551	10,345	7,633
50%	8,972	9,052	8,500	6,435	6,855	6,604	1,714	1,570	4,469	11,384	11,461	9,891	7,261
60%	7,704	8,374	8,004	6,365	6,598	5,594	1,607	1,500	3,506	11,284	11,350	9,439	6,991
70%	7,180	7,212	7,638	5,905	5,969	4,804	1,500	1,500	3,080	11,076	11,058	9,029	6,612
80%	6,139	6,249	7,096	5,053	4,978	4,513	1,500	1,500	2,787	10,397	8,961	8,218	6,250
90%	4,847	4,660	6,185	4,460	3,823	2,260	1,500	1,500	1,598	8,986	4,363	4,996	4,761
Long Term													
Full Simulation Period[a]	8,389	8,488	8,747	6,627	7,105	6,562	2,076	2,188	4,844	10,650	10,084	9,328	7,091
Water Year Types[b]													
Wet (32%)	9,345	10,117	8,867	7,695	9,241	9,030	2,847	3,294	7,386	11,377	11,461	10,853	8,459
Above Normal (15%)	8,395	8,039	9,033	6,447	7,231	7,913	1,819	1,675	6,033	10,665	11,177	10,304	7,394
Below Normal (17%)	8,618	8,849	9,268	6,281	6,879	6,933	1,736	1,667	4,295	11,188	10,742	9,650	7,175
Dry (22%)	7,721	7,916	8,841	6,286	5,773	4,243	1,718	1,765	2,907	11,061	10,726	8,999	6,496
Critical (15%)	7,049	5,845	7,453	5,411	4,613	2,910	1,595	1,545	1,692	7,815	4,278	5,169	4,615

Alternative 5 (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	6,482	10,505	12,487	11,028	12,898	12,955	6,591	6,215	9,697	13,776	14,270	7,201	8,849
20%	5,975	8,898	11,905	9,652	11,185	11,607	5,397	4,972	8,655	13,240	12,109	6,336	8,046
30%	5,544	6,441	11,198	8,658	9,533	9,680	5,027	4,500	8,273	12,100	11,176	5,799	7,719
40%	4,948	5,232	10,897	8,292	8,953	9,319	4,694	3,864	6,641	11,404	10,234	5,332	7,503
50%	4,534	4,601	10,075	7,737	8,024	7,690	4,318	3,184	6,283	10,076	8,936	5,039	7,043
60%	4,068	3,563	9,307	7,061	7,172	6,435	3,459	2,730	5,697	9,491	6,876	4,068	6,250
70%	3,411	2,334	8,355	6,773	6,543	5,758	2,791	2,273	3,227	8,426	4,552	3,648	5,467
80%	2,964	1,909	7,432	5,646	5,747	4,175	2,474	2,068	1,980	6,514	3,000	2,781	4,948
90%	2,086	1,590	5,135	3,015	4,005	3,519	1,901	1,789	1,633	2,372	2,250	1,503	3,557
Long Term													
Full Simulation Period[a]	4,624	5,258	9,380	7,556	8,218	7,918	4,127	3,756	5,916	9,478	8,152	4,840	6,602
Water Year Types[b]													
Wet (32%)	5,734	6,151	10,410	10,140	11,012	11,062	5,586	5,605	9,042	11,665	10,806	5,219	8,536
Above Normal (15%)	4,323	5,571	9,383	8,370	8,895	9,720	4,649	4,185	7,579	10,253	11,831	4,786	7,462
Below Normal (17%)	4,137	5,189	9,391	6,803	7,767	8,213	4,084	3,205	5,807	11,423	9,244	6,296	6,797
Dry (22%)	4,313	4,670	9,900	6,157	6,282	5,247	3,163	2,719	3,261	8,396	4,781	4,682	5,298
Critical (15%)	3,552	3,971	6,355	4,119	4,916	2,964	1,938	1,521	1,587	3,321	2,507	2,613	3,280

Alternative 5 (LLT) minus Existing Condition

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	-4,562	-430	1,171	2,096	2,119	3,139	3,351	2,834	665	2,182	2,545	-3,957	138
20%	-4,992	-2,019	671	1,903	1,857	2,473	3,121	2,676	1,419	1,686	424	-4,801	-351
30%	-4,845	-4,463	1,209	1,775	1,277	1,033	2,972	2,653	2,805	598	-492	-5,242	-317
40%	-4,633	-4,886	1,697	1,493	1,245	1,936	2,853	2,204	1,516	-21	-1,317	-5,013	-131
50%	-4,438	-4,451	1,575	1,302	1,170	1,085	2,604	1,614	1,814	-1,308	-2,525	-4,852	-218
60%	-3,636	-4,811	1,303	696	574	841	1,851	1,230	2,190	-1,793	-4,473	-5,371	-741
70%	-3,769	-4,878	716	868	574	954	1,291	773	147	-2,649	-6,506	-5,381	-1,146
80%	-3,175	-4,340	335	593	769	-338	974	568	-807	-3,883	-5,961	-5,437	-1,302
90%	-2,761	-3,070	-1,050	-1,445	182	1,259	401	289	35	-6,614	-2,113	-3,493	-1,203
Long Term													
Full Simulation Period[a]	-3,765	-3,230	633	928	1,113	1,355	2,051	1,568	1,072	-1,171	-1,932	-4,488	-489
Water Year Types[b]													
Wet (32%)	-3,610	-3,965	1,543	2,445	1,772	2,032	2,739	2,311	1,655	289	-655	-5,634	77
Above Normal (15%)	-4,072	-2,468	350	1,923	1,664	1,807	2,831	2,509	1,547	-413	654	-5,518	68
Below Normal (17%)	-4,480	-3,659	123	521	887	1,280	2,348	1,538	1,512	235	-1,498	-3,354	-379
Dry (22%)	-3,408	-3,245	1,059	-129	509	1,003	1,445	954	354	-2,665	-5,945	-4,317	-1,199
Critical (15%)	-3,497	-1,874	-1,098	-1,292	303	54	343	-24	-105	-4,494	-1,771	-2,556	-1,334

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-10-1-10. Total Delta Exports, Monthly Delivery Rate

Existing Condition

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	11,044	10,934	11,317	8,932	10,779	9,816	3,240	3,381	9,032	11,595	11,725	11,158	8,711
20%	10,967	10,917	11,235	7,749	9,327	9,134	2,276	2,297	7,236	11,555	11,685	11,137	8,397
30%	10,389	10,903	9,988	6,883	8,257	8,647	2,055	1,847	5,468	11,502	11,669	11,041	8,035
40%	9,581	10,117	9,200	6,799	7,707	7,383	1,842	1,660	5,125	11,426	11,551	10,345	7,633
50%	8,972	9,052	8,500	6,435	6,855	6,604	1,714	1,570	4,469	11,384	11,461	9,891	7,261
60%	7,704	8,374	8,004	6,365	6,598	5,594	1,607	1,500	3,506	11,284	11,350	9,439	6,991
70%	7,180	7,212	7,638	5,905	5,969	4,804	1,500	1,500	3,080	11,076	11,058	9,029	6,612
80%	6,139	6,249	7,096	5,053	4,978	4,513	1,500	1,500	2,787	10,397	8,961	8,218	6,250
90%	4,847	4,660	6,185	4,460	3,823	2,260	1,500	1,500	1,598	8,986	4,363	4,996	4,761
Long Term													
Full Simulation Period[a]	8,389	8,488	8,747	6,627	7,105	6,562	2,076	2,188	4,844	10,650	10,084	9,328	7,091
Water Year Types[b]													
Wet (32%)	9,345	10,117	8,867	7,695	9,241	9,030	2,847	3,294	7,386	11,377	11,461	10,853	8,459
Above Normal (15%)	8,395	8,039	9,033	6,447	7,231	7,913	1,819	1,675	6,033	10,665	11,177	10,304	7,394
Below Normal (17%)	8,618	8,849	9,268	6,281	6,879	6,933	1,736	1,667	4,295	11,188	10,742	9,650	7,175
Dry (22%)	7,721	7,916	8,841	6,286	5,773	4,243	1,718	1,765	2,907	11,061	10,726	8,999	6,496
Critical (15%)	7,049	5,845	7,453	5,411	4,613	2,910	1,595	1,545	1,692	7,815	4,278	5,169	4,615

Alternative 6A,6B,6C (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	5,545	6,318	8,887	14,514	14,527	13,160	11,995	11,723	10,674	13,302	9,779	6,891	8,679
20%	4,949	4,984	4,620	14,292	14,515	11,845	9,959	9,602	7,619	11,168	8,008	6,555	7,777
30%	4,169	3,708	1,651	10,964	13,600	10,504	8,188	4,286	4,475	10,310	7,263	6,192	7,072
40%	3,980	2,839	1,343	6,257	10,457	9,292	4,558	1,908	3,188	8,884	6,583	5,819	6,146
50%	3,342	2,244	1,024	2,620	9,391	7,556	3,201	1,379	1,548	7,973	6,050	5,383	5,095
60%	2,807	2,104	820	1,729	4,953	5,187	1,569	1,170	818	7,079	5,567	4,822	3,823
70%	2,556	1,940	705	969	1,872	3,305	707	947	722	6,324	4,802	4,063	3,104
80%	2,116	1,493	607	839	1,090	1,484	623	690	663	5,821	3,845	3,284	2,591
90%	1,176	1,296	503	736	762	690	587	613	596	4,252	3,107	2,551	2,005
Long Term													
Full Simulation Period[a]	3,416	3,276	2,678	6,017	7,867	7,093	4,807	4,010	3,704	8,284	6,253	4,960	5,197
Water Year Types[b]													
Wet (32%)	4,036	4,377	5,669	11,513	13,234	11,038	8,746	8,173	6,866	9,175	7,793	5,944	8,047
Above Normal (15%)	2,940	3,091	2,208	8,318	11,634	11,367	7,285	4,973	5,684	9,459	7,287	6,561	6,734
Below Normal (17%)	3,312	3,162	1,296	3,159	6,756	5,728	3,326	1,826	2,560	10,314	7,601	5,886	4,577
Dry (22%)	3,301	3,008	1,120	1,991	3,046	3,610	1,421	1,084	790	6,945	4,882	3,970	2,931
Critical (15%)	2,844	1,613	617	1,180	995	1,089	604	968	579	4,816	2,368	1,634	1,609

Alternative 6A,6B,6C (LLT) minus Existing Condition

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	-5,499	-4,617	-2,429	5,582	3,748	3,344	8,756	8,342	1,642	1,707	-1,946	-4,267	-32
20%	-6,018	-5,932	-6,614	6,543	5,188	2,711	7,683	7,306	383	-387	-3,677	-4,582	-620
30%	-6,220	-7,196	-8,338	4,081	5,343	1,857	6,133	2,440	-993	-1,192	-4,405	-4,849	-964
40%	-5,602	-7,278	-7,857	-541	2,750	1,909	2,717	248	-1,936	-2,542	-4,969	-4,525	-1,487
50%	-5,630	-6,808	-7,476	-3,816	2,536	952	1,487	-191	-2,921	-3,411	-5,411	-4,509	-2,165
60%	-4,897	-6,269	-7,185	-4,637	-1,645	-407	-38	-330	-2,688	-4,205	-5,782	-4,618	-3,168
70%	-4,624	-5,272	-6,934	-4,936	-4,098	-1,499	-793	-553	-2,357	-4,751	-6,256	-4,966	-3,508
80%	-4,023	-4,756	-6,489	-4,213	-3,888	-3,029	-877	-810	-2,123	-4,576	-5,116	-4,934	-3,659
90%	-3,671	-3,364	-5,682	-3,725	-3,061	-1,570	-913	-887	-1,002	-4,734	-1,255	-2,446	-2,756
Long Term													
Full Simulation Period[a]	-4,973	-5,211	-6,069	-611	762	531	2,732	1,823	-1,140	-2,366	-3,831	-4,368	-1,894
Water Year Types[b]													
Wet (32%)	-5,309	-5,739	-3,198	3,819	3,993	2,007	5,899	4,878	-521	-2,201	-3,668	-4,908	-412
Above Normal (15%)	-5,455	-4,948	-6,825	1,870	4,402	3,454	5,467	3,298	-348	-1,207	-3,890	-3,743	-660
Below Normal (17%)	-5,306	-5,687	-7,973	-3,122	-123	-1,205	1,590	160	-1,735	-874	-3,141	-3,764	-2,598
Dry (22%)	-4,420	-4,908	-7,721	-4,295	-2,726	-634	-296	-681	-2,117	-4,116	-5,844	-5,029	-3,566
Critical (15%)	-4,205	-4,232	-6,836	-4,232	-3,618	-1,820	-990	-577	-1,113	-2,999	-1,910	-3,535	-3,006

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-10-1-11. Total Delta Exports, Monthly Delivery Rate

Existing Condition

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	11,044	10,934	11,317	8,932	10,779	9,816	3,240	3,381	9,032	11,595	11,725	11,158	8,711
20%	10,967	10,917	11,235	7,749	9,327	9,134	2,276	2,297	7,236	11,555	11,685	11,137	8,397
30%	10,389	10,903	9,988	6,883	8,257	8,647	2,055	1,847	5,468	11,502	11,669	11,041	8,035
40%	9,581	10,117	9,200	6,799	7,707	7,383	1,842	1,660	5,125	11,426	11,551	10,345	7,633
50%	8,972	9,052	8,500	6,435	6,855	6,604	1,714	1,570	4,469	11,384	11,461	9,891	7,261
60%	7,704	8,374	8,004	6,365	6,598	5,594	1,607	1,500	3,506	11,284	11,350	9,439	6,991
70%	7,180	7,212	7,638	5,905	5,969	4,804	1,500	1,500	3,080	11,076	11,058	9,029	6,612
80%	6,139	6,249	7,096	5,053	4,978	4,513	1,500	1,500	2,787	10,397	8,961	8,218	6,250
90%	4,847	4,660	6,185	4,460	3,823	2,260	1,500	1,500	1,598	8,986	4,363	4,996	4,761
Long Term													
Full Simulation Period[a]	8,389	8,488	8,747	6,627	7,105	6,562	2,076	2,188	4,844	10,650	10,084	9,328	7,091
Water Year Types[b]													
Wet (32%)	9,345	10,117	8,867	7,695	9,241	9,030	2,847	3,294	7,386	11,377	11,461	10,853	8,459
Above Normal (15%)	8,395	8,039	9,033	6,447	7,231	7,913	1,819	1,675	6,033	10,665	11,177	10,304	7,394
Below Normal (17%)	8,618	8,849	9,268	6,281	6,879	6,933	1,736	1,667	4,295	11,188	10,742	9,650	7,175
Dry (22%)	7,721	7,916	8,841	6,286	5,773	4,243	1,718	1,765	2,907	11,061	10,726	8,999	6,496
Critical (15%)	7,049	5,845	7,453	5,411	4,613	2,910	1,595	1,545	1,692	7,815	4,278	5,169	4,615

Alternative 7 (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	5,934	6,005	7,778	12,229	14,479	13,831	9,000	9,000	8,246	14,109	13,565	7,858	8,320
20%	4,947	4,704	4,578	10,056	11,865	11,528	9,000	8,236	7,442	13,166	11,578	7,043	7,461
30%	4,314	3,468	1,755	8,302	10,473	9,741	6,851	4,321	6,046	12,360	10,346	6,299	7,014
40%	3,990	2,455	1,209	5,031	8,858	8,663	4,154	1,823	4,735	11,519	8,693	5,926	6,493
50%	3,273	2,211	878	2,965	6,975	6,608	2,137	1,478	2,984	10,647	7,734	5,439	5,145
60%	3,005	1,947	700	1,856	4,069	4,044	950	1,221	655	9,814	7,241	5,080	3,967
70%	2,620	1,722	594	1,017	2,182	2,508	573	934	596	7,029	5,840	4,540	3,116
80%	2,534	1,447	504	789	995	1,321	525	581	582	6,229	4,816	4,011	2,694
90%	1,165	1,100	430	649	657	580	475	511	577	5,398	4,091	3,514	2,209
Long Term													
Full Simulation Period[a]	3,539	2,916	2,500	5,141	6,798	6,618	3,870	3,292	3,786	9,910	8,231	5,585	5,182
Water Year Types[b]													
Wet (32%)	4,186	3,653	5,355	9,671	11,599	11,207	7,198	6,390	7,105	11,522	10,298	5,910	7,841
Above Normal (15%)	3,007	2,668	1,897	7,062	9,179	9,735	5,879	4,579	6,117	10,970	10,453	5,931	6,456
Below Normal (17%)	3,363	3,079	1,310	2,975	6,285	5,327	2,569	1,414	2,300	11,676	9,604	7,116	4,752
Dry (22%)	3,489	2,822	1,021	1,729	2,597	2,712	973	843	717	8,648	5,599	5,393	3,045
Critical (15%)	2,946	1,520	522	1,046	917	923	514	1,159	602	5,193	3,877	3,039	1,855

Alternative 7 (LLT) minus Existing Condition

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	-5,109	-4,929	-3,538	3,297	3,700	4,014	5,760	5,619	-786	2,514	1,840	-3,300	-392
20%	-6,021	-6,213	-6,657	2,308	2,537	2,394	6,724	5,939	206	1,612	-107	-4,094	-936
30%	-6,075	-7,435	-8,233	1,419	2,217	1,094	4,796	2,475	577	858	-1,322	-4,742	-1,021
40%	-5,592	-7,663	-7,991	-1,768	1,151	1,280	2,313	163	-390	94	-2,858	-4,419	-1,140
50%	-5,699	-6,841	-7,623	-3,471	120	4	423	-92	-1,485	-738	-3,727	-4,452	-2,116
60%	-4,699	-6,427	-7,305	-4,509	-2,529	-1,550	-657	-279	-2,852	-1,470	-4,109	-4,360	-3,025
70%	-4,560	-5,489	-7,044	-4,888	-3,788	-2,296	-927	-566	-2,484	-4,047	-5,218	-4,490	-3,496
80%	-3,605	-4,802	-6,593	-4,263	-3,983	-3,192	-975	-919	-2,205	-4,168	-4,144	-4,206	-3,555
90%	-3,682	-3,560	-5,755	-3,812	-3,166	-1,680	-1,025	-989	-1,021	-3,588	-271	-1,483	-2,552
Long Term													
Full Simulation Period[a]	-4,851	-5,572	-6,247	-1,487	-307	56	1,795	1,105	-1,057	-739	-1,853	-3,743	-1,908
Water Year Types[b]													
Wet (32%)	-5,159	-6,464	-3,512	1,977	2,358	2,176	4,351	3,096	-281	145	-1,163	-4,942	-618
Above Normal (15%)	-5,387	-5,371	-7,136	614	1,948	1,822	4,061	2,903	85	305	-724	-4,374	-938
Below Normal (17%)	-5,255	-5,770	-7,958	-3,306	-594	-1,606	833	-253	-1,994	488	-1,138	-2,534	-2,424
Dry (22%)	-4,232	-5,093	-7,820	-4,557	-3,175	-1,531	-744	-921	-2,190	-2,413	-5,127	-3,606	-3,451
Critical (15%)	-4,104	-4,325	-6,931	-4,365	-3,696	-1,987	-1,080	-386	-1,090	-2,622	-401	-2,131	-2,760

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-10-1-12. Total Delta Exports, Monthly Delivery Rate

Existing Condition

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	11,044	10,934	11,317	8,932	10,779	9,816	3,240	3,381	9,032	11,595	11,725	11,158	8,711
20%	10,967	10,917	11,235	7,749	9,327	9,134	2,276	2,297	7,236	11,555	11,685	11,137	8,397
30%	10,389	10,903	9,988	6,883	8,257	8,647	2,055	1,847	5,468	11,502	11,669	11,041	8,035
40%	9,581	10,117	9,200	6,799	7,707	7,383	1,842	1,660	5,125	11,426	11,551	10,345	7,633
50%	8,972	9,052	8,500	6,435	6,855	6,604	1,714	1,570	4,469	11,384	11,461	9,891	7,261
60%	7,704	8,374	8,004	6,365	6,598	5,594	1,607	1,500	3,506	11,284	11,350	9,439	6,991
70%	7,180	7,212	7,638	5,905	5,969	4,804	1,500	1,500	3,080	11,076	11,058	9,029	6,612
80%	6,139	6,249	7,096	5,053	4,978	4,513	1,500	1,500	2,787	10,397	8,961	8,218	6,250
90%	4,847	4,660	6,185	4,460	3,823	2,260	1,500	1,500	1,598	8,986	4,363	4,996	4,761
Long Term													
Full Simulation Period[a]	8,389	8,488	8,747	6,627	7,105	6,562	2,076	2,188	4,844	10,650	10,084	9,328	7,091
Water Year Types[b]													
Wet (32%)	9,345	10,117	8,867	7,695	9,241	9,030	2,847	3,294	7,386	11,377	11,461	10,853	8,459
Above Normal (15%)	8,395	8,039	9,033	6,447	7,231	7,913	1,819	1,675	6,033	10,665	11,177	10,304	7,394
Below Normal (17%)	8,618	8,849	9,268	6,281	6,879	6,933	1,736	1,667	4,295	11,188	10,742	9,650	7,175
Dry (22%)	7,721	7,916	8,841	6,286	5,773	4,243	1,718	1,765	2,907	11,061	10,726	8,999	6,496
Critical (15%)	7,049	5,845	7,453	5,411	4,613	2,910	1,595	1,545	1,692	7,815	4,278	5,169	4,615

Alternative 8 (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	2,607	5,005	8,509	12,247	14,464	14,353	9,000	9,000	8,011	6,754	7,017	5,844	7,149
20%	2,450	3,545	4,313	10,150	12,193	11,863	9,000	8,994	6,461	4,014	6,393	5,069	6,392
30%	2,227	2,426	1,726	8,730	10,510	10,145	9,000	7,903	4,645	3,912	5,941	4,498	5,622
40%	1,838	1,511	1,236	6,099	9,175	9,000	7,995	6,278	2,992	3,705	5,546	3,655	5,021
50%	1,403	1,199	829	3,336	7,388	7,616	5,657	3,241	1,078	3,546	5,170	3,048	4,263
60%	1,100	1,093	693	2,200	5,158	5,583	4,078	1,765	758	3,357	4,924	2,845	3,018
70%	1,061	918	581	1,210	3,182	3,867	1,947	1,272	548	3,094	4,345	1,746	2,537
80%	409	807	494	852	1,367	1,858	1,314	1,071	521	1,507	3,939	1,103	2,302
90%	159	330	413	662	699	748	613	919	477	1,100	3,324	1,100	1,606
Long Term													
Full Simulation Period[a]	1,661	2,077	2,574	5,396	7,158	7,250	5,290	4,542	3,119	3,905	5,188	3,310	4,289
Water Year Types[b]													
Wet (32%)	2,521	2,860	5,489	9,920	11,983	11,557	8,152	7,740	6,515	5,405	6,893	1,770	6,734
Above Normal (15%)	1,745	2,451	1,874	7,333	9,340	9,754	7,594	6,560	3,864	2,403	5,656	2,911	5,124
Below Normal (17%)	1,254	1,883	1,590	3,441	6,346	6,689	5,588	3,889	1,718	3,046	4,731	5,701	3,823
Dry (22%)	1,250	1,824	988	1,931	3,480	3,860	2,459	1,357	554	3,653	4,347	4,495	2,517
Critical (15%)	808	615	488	1,135	983	1,156	685	1,131	496	3,536	2,819	2,475	1,361

Alternative 8 (LLT) minus Existing Condition

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	-8,437	-5,930	-2,807	3,315	3,685	4,537	5,760	5,619	-1,021	-4,841	-4,708	-5,314	-1,562
20%	-8,517	-7,372	-6,922	2,402	2,865	2,729	6,724	6,697	-775	-7,541	-5,292	-6,067	-2,006
30%	-8,162	-8,477	-8,262	1,847	2,253	1,497	6,945	6,056	-823	-7,590	-5,728	-6,543	-2,413
40%	-7,743	-8,606	-7,964	-699	1,467	1,617	6,154	4,618	-2,133	-7,720	-6,005	-6,689	-2,613
50%	-7,569	-7,853	-7,671	-3,099	533	1,012	3,943	1,671	-3,391	-7,839	-6,291	-6,843	-2,997
60%	-6,604	-7,281	-7,311	-4,165	-1,440	-11	2,471	265	-2,748	-7,927	-6,426	-6,595	-3,974
70%	-6,119	-6,293	-7,057	-4,695	-2,787	-938	447	-228	-2,532	-7,981	-6,713	-7,284	-4,075
80%	-5,729	-5,442	-6,603	-4,200	-3,612	-2,655	-186	-429	-2,265	-8,890	-5,022	-7,114	-3,948
90%	-4,688	-4,330	-5,772	-3,798	-3,124	-1,512	-887	-581	-1,121	-7,886	-1,039	-3,896	-3,154
Long Term													
Full Simulation Period[a]	-6,728	-6,411	-6,173	-1,231	53	688	3,215	2,354	-1,725	-6,745	-4,896	-6,019	-2,802
Water Year Types[b]													
Wet (32%)	-6,824	-7,257	-3,378	2,226	2,743	2,526	5,305	4,445	-872	-5,972	-4,568	-9,083	-1,726
Above Normal (15%)	-6,650	-5,588	-7,158	885	2,109	1,842	5,776	4,885	-2,169	-8,263	-5,521	-7,393	-2,270
Below Normal (17%)	-7,364	-6,966	-7,678	-2,840	-533	-244	3,852	2,222	-2,577	-8,142	-6,011	-3,949	-3,352
Dry (22%)	-6,471	-6,092	-7,853	-4,355	-2,293	-384	741	-408	-2,353	-7,408	-6,379	-4,504	-3,980
Critical (15%)	-6,241	-5,231	-6,966	-4,276	-3,630	-1,753	-909	-414	-1,196	-4,278	-1,459	-2,694	-3,254

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-10-1-13. Total Delta Exports, Monthly Delivery Rate

Existing Condition

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	11,044	10,934	11,317	8,932	10,779	9,816	3,240	3,381	9,032	11,595	11,725	11,158	8,711
20%	10,967	10,917	11,235	7,749	9,327	9,134	2,276	2,297	7,236	11,555	11,685	11,137	8,397
30%	10,389	10,903	9,988	6,883	8,257	8,647	2,055	1,847	5,468	11,502	11,669	11,041	8,035
40%	9,581	10,117	9,200	6,799	7,707	7,383	1,842	1,660	5,125	11,426	11,551	10,345	7,633
50%	8,972	9,052	8,500	6,435	6,855	6,604	1,714	1,570	4,469	11,384	11,461	9,891	7,261
60%	7,704	8,374	8,004	6,365	6,598	5,594	1,607	1,500	3,506	11,284	11,350	9,439	6,991
70%	7,180	7,212	7,638	5,905	5,969	4,804	1,500	1,500	3,080	11,076	11,058	9,029	6,612
80%	6,139	6,249	7,096	5,053	4,978	4,513	1,500	1,500	2,787	10,397	8,961	8,218	6,250
90%	4,847	4,660	6,185	4,460	3,823	2,260	1,500	1,500	1,598	8,986	4,363	4,996	4,761
Long Term													
Full Simulation Period[a]	8,389	8,488	8,747	6,627	7,105	6,562	2,076	2,188	4,844	10,650	10,084	9,328	7,091
Water Year Types[b]													
Wet (32%)	9,345	10,117	8,867	7,695	9,241	9,030	2,847	3,294	7,386	11,377	11,461	10,853	8,459
Above Normal (15%)	8,395	8,039	9,033	6,447	7,231	7,913	1,819	1,675	6,033	10,665	11,177	10,304	7,394
Below Normal (17%)	8,618	8,849	9,268	6,281	6,879	6,933	1,736	1,667	4,295	11,188	10,742	9,650	7,175
Dry (22%)	7,721	7,916	8,841	6,286	5,773	4,243	1,718	1,765	2,907	11,061	10,726	8,999	6,496
Critical (15%)	7,049	5,845	7,453	5,411	4,613	2,910	1,595	1,545	1,692	7,815	4,278	5,169	4,615

Alternative 9 (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	8,625	11,280	11,280	5,442	9,845	10,705	5,000	5,000	5,000	11,605	11,780	11,280	7,877
20%	6,964	10,380	11,280	5,149	5,327	5,263	5,000	5,000	5,000	11,605	11,780	10,980	7,279
30%	6,112	7,547	11,029	5,064	5,017	5,000	5,000	4,309	5,000	11,525	11,743	10,147	6,901
40%	5,568	6,605	10,450	5,035	5,000	5,000	5,000	3,500	3,500	11,339	11,517	9,400	6,486
50%	5,297	6,162	8,287	5,006	5,000	4,959	3,500	3,406	3,500	10,895	10,554	7,389	6,181
60%	5,110	5,661	6,235	4,977	4,863	3,616	3,465	3,356	3,422	10,184	9,753	6,435	5,839
70%	4,336	5,107	5,985	4,755	3,591	3,500	2,703	2,425	2,802	8,883	7,581	5,499	5,219
80%	3,882	4,770	5,871	3,608	2,971	2,836	1,500	1,399	1,500	7,716	5,302	4,643	4,772
90%	2,928	4,182	5,817	3,151	2,312	1,500	1,347	1,321	1,251	2,931	2,042	3,770	4,004
Long Term													
Full Simulation Period[a]	5,541	6,793	8,514	5,090	5,207	4,923	3,640	3,497	3,625	9,201	8,702	7,623	6,030
Water Year Types[b]													
Wet (32%)	6,247	7,697	7,958	6,022	7,675	7,658	5,104	5,291	5,514	10,517	11,413	9,340	7,536
Above Normal (15%)	5,098	6,821	8,941	4,461	4,348	5,450	4,702	4,005	4,333	11,260	11,527	9,457	6,700
Below Normal (17%)	5,305	6,926	8,958	4,416	4,509	4,419	3,759	3,102	3,069	10,146	9,875	8,983	6,122
Dry (22%)	5,447	6,346	9,435	4,897	3,870	2,912	2,227	2,340	2,420	8,480	6,274	5,435	5,007
Critical (15%)	4,872	5,320	7,392	4,773	3,539	2,074	1,388	1,301	1,284	4,269	2,275	3,763	3,521

Alternative 9 (LLT) minus Existing Condition

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	-2,418	346	-37	-3,490	-934	889	1,760	1,619	-4,032	10	55	122	-834
20%	-4,003	-537	45	-2,600	-4,000	-3,871	2,724	2,703	-2,236	50	95	-156	-1,119
30%	-4,277	-3,356	1,041	-1,819	-3,239	-3,647	2,945	2,462	-468	23	75	-895	-1,135
40%	-4,013	-3,512	1,250	-1,764	-2,707	-2,383	3,158	1,840	-1,625	-87	-34	-945	-1,147
50%	-3,675	-2,890	-213	-1,429	-1,855	-1,645	1,786	1,836	-969	-489	-907	-2,502	-1,080
60%	-2,594	-2,713	-1,769	-1,388	-1,735	-1,977	1,857	1,856	-84	-1,100	-1,597	-3,005	-1,152
70%	-2,844	-2,105	-1,653	-1,150	-2,379	-1,304	1,203	925	-277	-2,193	-3,477	-3,530	-1,393
80%	-2,257	-1,479	-1,225	-1,445	-2,007	-1,677	0	-101	-1,287	-2,681	-3,659	-3,574	-1,478
90%	-1,919	-478	-368	-1,310	-1,511	-760	-153	-179	-347	-6,055	-2,321	-1,226	-757
Long Term													
Full Simulation Period[a]	-2,848	-1,695	-233	-1,538	-1,898	-1,639	1,564	1,309	-1,218	-1,449	-1,382	-1,705	-1,061
Water Year Types[b]													
Wet (32%)	-3,098	-2,420	-908	-1,672	-1,566	-1,372	2,257	1,996	-1,873	-860	-48	-1,512	-923
Above Normal (15%)	-3,297	-1,218	-92	-1,986	-2,883	-2,463	2,883	2,329	-1,699	595	350	-847	-694
Below Normal (17%)	-3,313	-1,923	-310	-1,865	-2,370	-2,514	2,023	1,436	-1,226	-1,042	-867	-666	-1,053
Dry (22%)	-2,274	-1,570	594	-1,389	-1,903	-1,331	509	575	-487	-2,581	-4,452	-3,564	-1,489
Critical (15%)	-2,178	-525	-61	-638	-1,074	-835	-207	-244	-408	-3,546	-2,003	-1,407	-1,094

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-10-1-14. Total Delta Exports, Monthly Delivery Rate

No Action Alternative (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**AVG**
Probability of Exceedance													
10%	6,640	11,279	11,704	9,525	10,456	10,469	3,590	3,369	6,155	11,605	11,780	11,280	7,935
20%	6,219	8,289	10,946	7,731	9,231	9,202	2,461	2,449	5,616	11,432	11,780	11,088	7,388
30%	5,768	7,130	10,444	6,857	8,220	8,178	2,230	1,964	5,085	10,849	11,662	9,418	7,012
40%	5,384	6,351	9,062	6,744	7,266	7,202	2,071	1,785	4,094	10,426	11,437	8,956	6,642
50%	5,016	5,641	8,211	6,505	6,643	6,507	1,830	1,691	3,544	9,731	11,059	7,595	6,364
60%	4,613	5,086	7,882	6,179	6,251	5,250	1,712	1,606	2,995	8,818	9,625	6,546	5,963
70%	4,214	4,861	7,250	5,463	5,506	4,566	1,598	1,500	2,392	8,269	7,933	5,615	5,305
80%	3,660	4,478	6,178	4,910	4,377	3,222	1,500	1,500	1,633	5,853	6,558	4,795	4,937
90%	2,554	3,355	4,138	4,493	3,341	2,150	1,359	1,500	1,480	3,663	3,453	4,337	3,942
Long Term													
Full Simulation Period[a]	4,938	6,348	8,358	6,562	6,901	6,406	2,235	2,303	3,934	8,751	9,071	7,681	6,124
Water Year Types[b]													
Wet (32%)	5,748	7,500	9,069	7,939	9,410	9,369	3,016	3,421	6,160	9,779	11,509	8,754	7,639
Above Normal (15%)	4,005	6,686	9,060	6,598	7,184	7,693	2,086	1,894	4,916	8,162	11,688	9,970	6,662
Below Normal (17%)	5,311	6,203	8,827	5,741	6,444	6,421	2,114	1,947	3,386	10,041	9,783	9,276	6,291
Dry (22%)	4,564	5,590	8,578	6,297	5,162	3,890	1,853	1,855	2,098	9,401	7,398	5,709	5,200
Critical (15%)	4,245	4,819	5,237	4,900	4,326	2,454	1,407	1,378	1,522	4,630	2,852	4,162	3,494

Alternative 1A,1B,1C (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**AVG**
Probability of Exceedance													
10%	8,894	12,530	14,488	14,477	14,414	11,786	10,747	12,197	12,366	12,989	12,920	10,616	10,483
20%	7,641	11,250	13,151	13,979	12,867	10,083	10,176	11,062	9,988	11,050	8,905	10,109	9,832
30%	6,956	9,810	12,218	11,374	11,454	9,690	9,159	9,822	8,463	8,913	7,883	9,026	8,834
40%	6,617	8,898	11,730	10,014	10,145	9,308	8,140	8,393	7,373	6,976	7,508	8,087	8,540
50%	6,301	8,068	10,489	8,463	9,036	8,810	7,421	6,157	6,077	6,026	6,596	7,736	7,896
60%	5,864	7,022	9,282	7,243	8,456	7,227	6,524	4,289	5,040	5,375	5,862	6,921	7,077
70%	4,648	6,579	8,259	5,941	7,106	6,532	5,308	3,401	2,618	4,463	4,606	6,083	5,977
80%	3,835	4,877	6,609	4,195	6,057	5,630	3,789	2,933	2,128	2,796	3,534	4,614	5,432
90%	2,824	4,360	4,654	2,128	4,639	3,512	2,769	2,151	1,760	1,774	2,335	3,068	3,954
Long Term													
Full Simulation Period[a]	5,985	8,080	9,899	8,512	9,153	7,955	7,068	6,701	6,301	6,664	6,833	7,334	7,540
Water Year Types[b]													
Wet (32%)	7,185	10,098	11,600	11,646	10,401	9,239	9,240	9,831	9,459	9,101	9,500	9,917	9,768
Above Normal (15%)	5,378	7,989	9,464	10,622	11,486	11,281	9,187	9,394	9,747	8,035	9,101	9,327	9,251
Below Normal (17%)	5,543	8,402	9,680	7,952	9,674	8,245	7,826	6,752	6,003	6,757	6,468	7,322	7,552
Dry (22%)	5,872	7,097	9,506	6,282	7,907	6,719	5,059	3,671	2,725	4,927	4,598	5,468	5,819
Critical (15%)	4,680	4,898	7,490	3,609	5,379	3,362	2,374	1,712	1,723	2,509	2,563	2,559	3,572

Alternative 1A,1B,1C (LLT) minus No Action Alternative (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**AVG**
Probability of Exceedance													
10%	2,255	1,251	2,784	4,952	3,958	1,317	7,157	8,828	6,211	1,384	1,140	**-664**	2,548
20%	1,422	2,961	2,205	6,249	3,637	880	7,715	8,613	4,372	**-382**	**-2,875**	**-980**	2,444
30%	1,188	2,681	1,774	4,517	3,234	1,512	6,930	7,859	3,378	**-1,936**	**-3,779**	**-392**	1,822
40%	1,233	2,548	2,668	3,269	2,879	2,107	6,069	6,607	3,278	**-3,449**	**-3,929**	**-869**	1,898
50%	1,285	2,427	2,278	1,958	2,393	2,303	5,591	4,466	2,533	**-3,705**	**-4,463**	141	1,532
60%	1,251	1,935	1,400	1,064	2,205	1,977	4,812	2,683	2,045	**-3,443**	**-3,763**	375	1,114
70%	434	1,718	1,009	478	1,600	1,966	3,710	1,901	227	**-3,806**	**-3,326**	467	672
80%	176	400	431	**-715**	1,681	2,408	2,289	1,433	495	**-3,057**	**-3,024**	**-182**	495
90%	270	1,005	515	**-2,365**	1,298	1,362	1,410	651	280	**-1,888**	**-1,119**	**-1,268**	12
Long Term													
Full Simulation Period[a]	1,047	1,732	1,540	1,950	2,252	1,549	4,833	4,398	2,367	**-2,087**	**-2,238**	**-346**	1,416
Water Year Types[b]													
Wet (32%)	1,437	2,598	2,531	3,707	992	**-130**	6,224	6,410	3,299	**-678**	**-2,009**	1,163	2,129
Above Normal (15%)	1,373	1,303	404	4,024	4,302	3,588	7,101	7,500	4,831	**-127**	**-2,587**	**-642**	2,589
Below Normal (17%)	232	2,198	852	2,212	3,230	1,823	5,712	4,805	2,616	**-3,284**	**-3,315**	**-1,954**	1,261
Dry (22%)	1,308	1,507	928	**-16**	2,744	2,828	3,205	1,816	627	**-4,474**	**-2,799**	**-241**	620
Critical (15%)	435	79	2,253	**-1,291**	1,053	908	968	334	202	**-2,121**	**-289**	**-1,603**	77

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-10-1-15. Total Delta Exports, Monthly Delivery Rate

No Action Alternative (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	6,640	11,279	11,704	9,525	10,456	10,469	3,590	3,369	6,155	11,605	11,780	11,280	7,935
20%	6,219	8,289	10,946	7,731	9,231	9,202	2,461	2,449	5,616	11,432	11,780	11,088	7,388
30%	5,768	7,130	10,444	6,857	8,220	8,178	2,230	1,964	5,085	10,849	11,662	9,418	7,012
40%	5,384	6,351	9,062	6,744	7,266	7,202	2,071	1,785	4,094	10,426	11,437	8,956	6,642
50%	5,016	5,641	8,211	6,505	6,643	6,507	1,830	1,691	3,544	9,731	11,059	7,595	6,364
60%	4,613	5,086	7,882	6,179	6,251	5,250	1,712	1,606	2,995	8,818	9,625	6,546	5,963
70%	4,214	4,861	7,250	5,463	5,506	4,566	1,598	1,500	2,392	8,269	7,933	5,615	5,305
80%	3,660	4,478	6,178	4,910	4,377	3,222	1,500	1,500	1,633	5,853	6,558	4,795	4,937
90%	2,554	3,355	4,138	4,493	3,341	2,150	1,359	1,500	1,480	3,663	3,453	4,337	3,942
Long Term													
Full Simulation Period[a]	4,938	6,348	8,358	6,562	6,901	6,406	2,235	2,303	3,934	8,751	9,071	7,681	6,124
Water Year Types[b]													
Wet (32%)	5,748	7,500	9,069	7,939	9,410	9,369	3,016	3,421	6,160	9,779	11,509	8,754	7,639
Above Normal (15%)	4,005	6,686	9,060	6,598	7,184	7,693	2,086	1,894	4,916	8,162	11,688	9,970	6,662
Below Normal (17%)	5,311	6,203	8,827	5,741	6,444	6,421	2,114	1,947	3,386	10,041	9,783	9,276	6,291
Dry (22%)	4,564	5,590	8,578	6,297	5,162	3,890	1,853	1,855	2,098	9,401	7,398	5,709	5,200
Critical (15%)	4,245	4,819	5,237	4,900	4,326	2,454	1,407	1,378	1,522	4,630	2,852	4,162	3,494

Alternative 2A,2B,2C (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	6,148	10,837	14,138	14,517	14,532	13,316	10,935	12,169	13,496	13,313	12,928	7,529	10,266
20%	4,882	8,586	11,020	14,449	14,368	11,707	10,157	10,866	12,403	12,059	10,290	6,904	9,396
30%	4,333	7,082	10,448	12,050	12,321	10,827	8,578	7,984	10,746	9,758	9,092	6,640	8,516
40%	3,813	5,661	10,278	9,165	11,384	9,971	6,612	5,336	9,034	8,699	8,251	6,325	7,891
50%	3,460	4,762	9,525	7,256	9,513	9,274	5,267	3,473	6,978	7,627	7,460	5,913	7,223
60%	3,126	4,255	8,597	6,382	8,058	7,860	3,817	2,522	4,636	6,570	6,344	4,833	6,341
70%	2,955	2,331	7,849	5,081	7,135	6,168	2,972	2,271	2,531	5,443	5,220	4,247	5,440
80%	2,687	1,854	6,952	3,381	5,578	5,144	2,282	2,087	2,259	4,711	4,183	3,805	4,594
90%	2,219	1,108	5,363	2,375	4,099	3,311	2,033	1,632	1,815	2,321	2,710	3,282	3,585
Long Term													
Full Simulation Period[a]	3,858	5,418	9,148	8,260	9,397	8,569	6,012	5,552	7,164	7,772	7,398	5,494	7,003
Water Year Types[b]													
Wet (32%)	4,685	6,346	10,909	12,262	12,002	10,777	8,899	8,937	10,558	9,761	9,800	5,876	9,234
Above Normal (15%)	3,705	5,425	8,919	9,597	11,194	11,377	8,039	7,482	11,295	9,593	9,686	6,422	8,561
Below Normal (17%)	3,130	5,261	9,466	6,816	10,314	8,738	5,458	4,271	6,915	9,035	8,061	6,650	7,010
Dry (22%)	3,822	5,028	8,311	5,531	6,991	6,955	3,561	3,015	3,251	5,851	4,827	5,349	5,208
Critical (15%)	3,124	4,170	6,448	4,028	4,499	3,200	2,050	1,586	1,840	3,050	2,987	2,604	3,299

Alternative 2A,2B,2C (LLT) minus No Action Alternative (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	-492	-441	2,434	4,992	4,076	2,846	7,345	8,800	7,341	1,709	1,148	-3,751	2,331
20%	-1,336	297	74	6,719	5,137	2,505	7,696	8,417	6,788	627	-1,490	-4,184	2,007
30%	-1,435	-47	4	5,194	4,101	2,649	6,348	6,020	5,660	-1,091	-2,570	-2,778	1,504
40%	-1,570	-690	1,216	2,421	4,118	2,770	4,541	3,550	4,939	-1,727	-3,186	-2,631	1,249
50%	-1,556	-879	1,314	751	2,870	2,767	3,437	1,783	3,434	-2,104	-3,599	-1,682	859
60%	-1,487	-832	715	203	1,807	2,611	2,106	916	1,641	-2,248	-3,281	-1,713	378
70%	-1,259	-2,530	599	-382	1,629	1,602	1,374	771	139	-2,825	-2,713	-1,368	135
80%	-972	-2,624	774	-1,530	1,202	1,922	782	587	626	-1,142	-2,375	-990	-343
90%	-335	-2,247	1,225	-2,118	758	1,161	674	132	335	-1,342	-744	-1,055	-358
Long Term													
Full Simulation Period[a]	-1,080	-930	790	1,697	2,496	2,163	3,777	3,249	3,230	-979	-1,673	-2,187	879
Water Year Types[b]													
Wet (32%)	-1,063	-1,155	1,840	4,323	2,592	1,408	5,883	5,515	4,398	-18	-1,709	-2,878	1,595
Above Normal (15%)	-299	-1,261	-142	2,999	4,010	3,684	5,953	5,589	6,379	1,430	-2,001	-3,548	1,899
Below Normal (17%)	-2,181	-943	638	1,076	3,870	2,317	3,344	2,324	3,528	-1,006	-1,722	-2,625	718
Dry (22%)	-742	-562	-267	-766	1,828	3,064	1,708	1,161	1,153	-3,551	-2,570	-360	8
Critical (15%)	-1,121	-649	1,211	-872	173	746	644	208	318	-1,581	135	-1,558	-196

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-10-1-16. Total Delta Exports, Monthly Delivery Rate

No Action Alternative (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**AVG**
Probability of Exceedance													
10%	6,640	11,279	11,704	9,525	10,456	10,469	3,590	3,369	6,155	11,605	11,780	11,280	7,935
20%	6,219	8,289	10,946	7,731	9,231	9,202	2,461	2,449	5,616	11,432	11,780	11,088	7,388
30%	5,768	7,130	10,444	6,857	8,220	8,178	2,230	1,964	5,085	10,849	11,662	9,418	7,012
40%	5,384	6,351	9,062	6,744	7,266	7,202	2,071	1,785	4,094	10,426	11,437	8,956	6,642
50%	5,016	5,641	8,211	6,505	6,643	6,507	1,830	1,691	3,544	9,731	11,059	7,595	6,364
60%	4,613	5,086	7,882	6,179	6,251	5,250	1,712	1,606	2,995	8,818	9,625	6,546	5,963
70%	4,214	4,861	7,250	5,463	5,506	4,566	1,598	1,500	2,392	8,269	7,933	5,615	5,305
80%	3,660	4,478	6,178	4,910	4,377	3,222	1,500	1,500	1,633	5,853	6,558	4,795	4,937
90%	2,554	3,355	4,138	4,493	3,341	2,150	1,359	1,500	1,480	3,663	3,453	4,337	3,942
Long Term													
Full Simulation Period[a]	4,938	6,348	8,358	6,562	6,901	6,406	2,235	2,303	3,934	8,751	9,071	7,681	6,124
Water Year Types[b]													
Wet (32%)	5,748	7,500	9,069	7,939	9,410	9,369	3,016	3,421	6,160	9,779	11,509	8,754	7,639
Above Normal (15%)	4,005	6,686	9,060	6,598	7,184	7,693	2,086	1,894	4,916	8,162	11,688	9,970	6,662
Below Normal (17%)	5,311	6,203	8,827	5,741	6,444	6,421	2,114	1,947	3,386	10,041	9,783	9,276	6,291
Dry (22%)	4,564	5,590	8,578	6,297	5,162	3,890	1,853	1,855	2,098	9,401	7,398	5,709	5,200
Critical (15%)	4,245	4,819	5,237	4,900	4,326	2,454	1,407	1,378	1,522	4,630	2,852	4,162	3,494

Alternative 3 (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**AVG**
Probability of Exceedance													
10%	8,894	12,614	13,977	13,066	13,601	11,566	10,998	11,167	12,074	13,022	12,897	11,500	10,340
20%	7,331	11,056	12,413	11,544	11,597	10,629	10,208	10,265	9,006	11,614	8,892	10,207	9,663
30%	6,959	9,577	11,654	10,319	10,330	9,702	9,100	9,664	7,921	9,521	8,235	9,139	8,899
40%	6,806	8,952	11,324	9,253	9,437	9,215	7,956	7,610	6,969	8,025	7,609	8,119	8,414
50%	6,097	8,024	10,236	8,153	8,648	8,631	7,269	6,272	5,648	6,500	6,954	7,419	7,932
60%	5,474	7,065	9,000	7,225	7,574	7,390	6,081	4,341	4,521	5,546	6,059	6,537	6,978
70%	4,538	6,583	8,210	5,959	7,095	6,150	4,867	3,353	2,333	4,670	4,628	5,768	5,914
80%	3,777	4,977	7,000	4,278	5,928	5,177	3,324	2,834	1,802	3,135	3,718	4,855	5,193
90%	2,760	4,360	4,991	2,713	4,274	3,927	2,708	2,115	1,478	1,761	2,363	3,575	3,984
Long Term													
Full Simulation Period[a]	5,879	8,069	9,641	8,027	8,650	7,959	6,973	6,430	5,924	7,077	6,980	7,426	7,420
Water Year Types[b]													
Wet (32%)	7,150	9,952	11,051	10,926	10,535	9,554	9,354	9,387	9,219	9,279	9,612	10,148	9,681
Above Normal (15%)	5,307	7,984	9,137	9,393	10,285	11,163	9,319	8,854	9,081	8,365	9,187	9,730	8,984
Below Normal (17%)	5,521	8,332	9,547	7,945	8,981	8,253	7,539	6,327	5,369	7,850	7,227	7,142	7,503
Dry (22%)	5,748	7,321	9,473	6,063	7,096	6,325	4,630	3,753	2,355	5,042	4,420	5,276	5,625
Critical (15%)	4,313	4,893	7,454	3,417	4,877	3,405	2,322	1,732	1,632	3,168	2,625	2,781	3,552

Alternative 3 (LLT) minus No Action Alternative (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**AVG**
Probability of Exceedance													
10%	2,255	1,335	2,273	3,541	3,145	1,097	7,408	7,798	5,918	1,418	1,117	220	2,405
20%	1,113	2,767	1,467	3,814	2,367	1,426	7,748	7,816	3,390	183	**-2,888**	**-881**	2,275
30%	1,191	2,447	1,210	3,462	2,110	1,524	6,870	7,700	2,835	**-1,329**	**-3,427**	**-280**	1,887
40%	1,422	2,601	2,262	2,508	2,171	2,013	5,885	5,825	2,874	**-2,401**	**-3,828**	**-837**	1,772
50%	1,082	2,384	2,025	1,648	2,005	2,124	5,439	4,582	2,104	**-3,231**	**-4,106**	**-175**	1,568
60%	861	1,979	1,118	1,046	1,323	2,140	4,369	2,735	1,526	**-3,272**	**-3,566**	**-9**	1,015
70%	324	1,722	960	495	1,589	1,585	3,270	1,853	**-58**	**-3,598**	**-3,304**	153	609
80%	117	500	822	**-633**	1,552	1,955	1,824	1,334	169	**-2,718**	**-2,840**	60	257
90%	207	1,005	853	**-1,780**	933	1,777	1,348	615	**-2**	**-1,902**	**-1,090**	**-762**	42
Long Term													
Full Simulation Period[a]	941	1,721	1,283	1,464	1,749	1,553	4,738	4,127	1,990	**-1,674**	**-2,091**	**-255**	1,296
Water Year Types[b]													
Wet (32%)	1,402	2,452	1,982	2,987	1,126	185	6,338	5,966	3,059	**-500**	**-1,897**	1,394	2,041
Above Normal (15%)	1,303	1,298	77	2,795	3,101	3,469	7,234	6,960	4,164	203	**-2,501**	**-240**	2,322
Below Normal (17%)	210	2,128	720	2,205	2,537	1,832	5,425	4,380	1,983	**-2,191**	**-2,556**	**-2,133**	1,212
Dry (22%)	1,184	1,731	895	**-234**	1,934	2,435	2,777	1,898	257	**-4,360**	**-2,978**	**-433**	425
Critical (15%)	68	74	2,216	**-1,482**	551	951	915	355	111	**-1,462**	**-227**	**-1,381**	57

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-10-1-17. Total Delta Exports, Monthly Delivery Rate

No Action Alternative (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**AVG**
Probability of Exceedance													
10%	6,640	11,279	11,704	9,525	10,456	10,469	3,590	3,369	6,155	11,605	11,780	11,280	7,935
20%	6,219	8,289	10,946	7,731	9,231	9,202	2,461	2,449	5,616	11,432	11,780	11,088	7,388
30%	5,768	7,130	10,444	6,857	8,220	8,178	2,230	1,964	5,085	10,849	11,662	9,418	7,012
40%	5,384	6,351	9,062	6,744	7,266	7,202	2,071	1,785	4,094	10,426	11,437	8,956	6,642
50%	5,016	5,641	8,211	6,505	6,643	6,507	1,830	1,691	3,544	9,731	11,059	7,595	6,364
60%	4,613	5,086	7,882	6,179	6,251	5,250	1,712	1,606	2,995	8,818	9,625	6,546	5,963
70%	4,214	4,861	7,250	5,463	5,506	4,566	1,598	1,500	2,392	8,269	7,933	5,615	5,305
80%	3,660	4,478	6,178	4,910	4,377	3,222	1,500	1,500	1,633	5,853	6,558	4,795	4,937
90%	2,554	3,355	4,138	4,493	3,341	2,150	1,359	1,500	1,480	3,663	3,453	4,337	3,942
Long Term													
Full Simulation Period[a]	4,938	6,348	8,358	6,562	6,901	6,406	2,235	2,303	3,934	8,751	9,071	7,681	6,124
Water Year Types[b]													
Wet (32%)	5,748	7,500	9,069	7,939	9,410	9,369	3,016	3,421	6,160	9,779	11,509	8,754	7,639
Above Normal (15%)	4,005	6,686	9,060	6,598	7,184	7,693	2,086	1,894	4,916	8,162	11,688	9,970	6,662
Below Normal (17%)	5,311	6,203	8,827	5,741	6,444	6,421	2,114	1,947	3,386	10,041	9,783	9,276	6,291
Dry (22%)	4,564	5,590	8,578	6,297	5,162	3,890	1,853	1,855	2,098	9,401	7,398	5,709	5,200
Critical (15%)	4,245	4,819	5,237	4,900	4,326	2,454	1,407	1,378	1,522	4,630	2,852	4,162	3,494

Alternative 4 H1 (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**AVG**
Probability of Exceedance													
10%	6,876	11,519	12,760	14,224	14,517	11,772	10,204	10,248	12,134	14,018	13,053	10,940	10,252
20%	6,330	10,305	11,146	12,598	11,605	10,663	9,736	9,465	10,743	12,925	11,908	10,184	9,213
30%	5,582	9,250	10,199	10,566	10,844	10,224	8,287	6,558	9,732	11,236	9,691	9,187	8,925
40%	4,742	8,669	9,534	8,566	10,147	9,538	6,482	4,480	8,558	9,543	8,669	8,264	8,255
50%	3,940	7,811	8,959	7,443	8,773	8,902	4,855	3,284	7,228	8,302	7,692	7,931	7,729
60%	3,487	7,078	8,333	6,368	8,047	7,593	3,809	2,809	5,459	6,431	6,475	6,980	6,620
70%	3,011	6,612	7,865	5,567	6,696	6,111	2,873	2,313	3,254	5,362	5,527	5,991	5,630
80%	2,719	5,346	6,403	3,454	5,550	5,114	2,239	2,109	2,230	4,203	4,177	5,182	5,075
90%	2,428	4,462	5,249	2,404	3,951	3,800	1,997	1,632	1,721	2,416	2,854	3,514	3,986
Long Term													
Full Simulation Period[a]	4,469	7,865	8,817	7,982	8,809	8,132	5,697	4,935	6,754	8,257	7,866	7,574	7,263
Water Year Types[b]													
Wet (32%)	5,461	9,195	10,569	11,248	11,122	10,058	8,341	7,762	9,738	10,568	10,163	10,062	9,524
Above Normal (15%)	3,919	7,793	8,443	9,378	10,542	10,239	7,726	6,276	9,665	10,160	10,580	9,497	8,685
Below Normal (17%)	4,039	8,363	9,333	6,664	9,673	9,268	5,094	4,066	7,267	9,264	8,468	7,635	7,428
Dry (22%)	4,406	7,141	7,933	5,571	6,484	6,336	3,455	2,882	3,375	6,721	5,507	5,713	5,460
Critical (15%)	3,464	5,563	6,121	4,660	4,541	3,222	2,006	1,560	1,845	2,475	3,014	2,978	3,454

Alternative 4 H1 (LLT) minus No Action Alternative (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**AVG**
Probability of Exceedance													
10%	236	240	1,056	4,699	4,061	1,302	6,614	6,878	5,978	2,413	1,273	**-340**	2,317
20%	112	2,016	199	4,867	2,375	1,461	7,276	7,016	5,128	1,493	128	**-905**	1,824
30%	**-186**	2,120	**-246**	3,709	2,624	2,046	6,058	4,594	4,647	387	**-1,971**	**-231**	1,913
40%	**-641**	2,319	472	1,821	2,881	2,336	4,411	2,695	4,463	**-883**	**-2,768**	**-692**	1,613
50%	**-1,076**	2,170	748	938	2,130	2,395	3,025	1,593	3,684	**-1,428**	**-3,368**	337	1,365
60%	**-1,126**	1,992	450	189	1,796	2,344	2,097	1,203	2,464	**-2,387**	**-3,150**	434	657
70%	**-1,203**	1,752	614	103	1,189	1,545	1,275	813	862	**-2,907**	**-2,406**	375	325
80%	**-941**	868	224	**-1,456**	1,173	1,892	739	609	597	**-1,650**	**-2,381**	386	138
90%	**-126**	1,107	1,110	**-2,089**	610	1,650	637	132	241	**-1,247**	**-599**	**-823**	44
Long Term													
Full Simulation Period[a]	**-470**	1,517	459	1,419	1,907	1,726	3,462	2,632	2,820	**-494**	**-1,205**	**-107**	1,139
Water Year Types[b]													
Wet (32%)	**-288**	1,694	1,500	3,309	1,712	689	5,325	4,341	3,578	789	**-1,346**	1,308	1,884
Above Normal (15%)	**-85**	1,107	**-617**	2,780	3,358	2,545	5,641	4,383	4,749	1,998	**-1,108**	**-473**	2,023
Below Normal (17%)	**-1,272**	2,160	505	923	3,229	2,847	2,979	2,120	3,881	**-778**	**-1,316**	**-1,640**	1,137
Dry (22%)	**-158**	1,551	**-645**	**-726**	1,321	2,446	1,602	1,027	1,277	**-2,680**	**-1,890**	4	261
Critical (15%)	**-781**	744	884	**-240**	215	768	600	182	323	**-2,156**	161	**-1,184**	**-40**

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-10-1-18. Total Delta Exports, Monthly Delivery Rate

No Action Alternative (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	6,640	11,279	11,704	9,525	10,456	10,469	3,590	3,369	6,155	11,605	11,780	11,280	7,935
20%	6,219	8,289	10,946	7,731	9,231	9,202	2,461	2,449	5,616	11,432	11,780	11,088	7,388
30%	5,768	7,130	10,444	6,857	8,220	8,178	2,230	1,964	5,085	10,849	11,662	9,418	7,012
40%	5,384	6,351	9,062	6,744	7,266	7,202	2,071	1,785	4,094	10,426	11,437	8,956	6,642
50%	5,016	5,641	8,211	6,505	6,643	6,507	1,830	1,691	3,544	9,731	11,059	7,595	6,364
60%	4,613	5,086	7,882	6,179	6,251	5,250	1,712	1,606	2,995	8,818	9,625	6,546	5,963
70%	4,214	4,861	7,250	5,463	5,506	4,566	1,598	1,500	2,392	8,269	7,933	5,615	5,305
80%	3,660	4,478	6,178	4,910	4,377	3,222	1,500	1,500	1,633	5,853	6,558	4,795	4,937
90%	2,554	3,355	4,138	4,493	3,341	2,150	1,359	1,500	1,480	3,663	3,453	4,337	3,942
Long Term													
Full Simulation Period[a]	4,938	6,348	8,358	6,562	6,901	6,406	2,235	2,303	3,934	8,751	9,071	7,681	6,124
Water Year Types[b]													
Wet (32%)	5,748	7,500	9,069	7,939	9,410	9,369	3,016	3,421	6,160	9,779	11,509	8,754	7,639
Above Normal (15%)	4,005	6,686	9,060	6,598	7,184	7,693	2,086	1,894	4,916	8,162	11,688	9,970	6,662
Below Normal (17%)	5,311	6,203	8,827	5,741	6,444	6,421	2,114	1,947	3,386	10,041	9,783	9,276	6,291
Dry (22%)	4,564	5,590	8,578	6,297	5,162	3,890	1,853	1,855	2,098	9,401	7,398	5,709	5,200
Critical (15%)	4,245	4,819	5,237	4,900	4,326	2,454	1,407	1,378	1,522	4,630	2,852	4,162	3,494

Alternative 4 H2 (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	7,532	11,058	14,096	14,197	14,484	11,367	9,903	9,826	9,550	12,194	11,468	10,964	9,654
20%	6,026	10,268	10,924	12,890	11,504	10,552	8,076	6,445	7,417	10,784	10,417	9,611	8,295
30%	4,687	9,297	10,160	10,621	10,905	9,333	6,519	3,430	6,162	9,115	9,457	8,660	7,476
40%	4,282	8,556	9,356	8,483	10,016	7,896	2,613	2,310	4,818	8,328	8,491	8,115	7,046
50%	3,831	7,986	8,397	7,248	8,804	5,717	1,813	1,770	3,504	7,248	8,022	7,527	6,613
60%	3,559	7,077	7,789	6,461	8,187	4,263	1,500	1,500	2,432	6,429	7,460	7,175	6,020
70%	3,223	6,544	7,117	5,278	6,339	1,604	1,500	1,500	2,117	5,127	6,033	6,528	5,551
80%	2,917	5,236	6,178	3,499	5,525	1,500	1,500	1,500	1,338	4,389	4,351	5,450	5,052
90%	2,514	4,522	5,180	2,389	3,802	1,500	1,500	1,258	1,075	1,573	2,842	3,457	3,539
Long Term													
Full Simulation Period[a]	4,425	7,849	8,635	7,984	8,640	6,138	4,050	3,619	4,470	7,292	7,571	7,459	6,511
Water Year Types[b]													
Wet (32%)	5,514	9,355	10,838	11,389	10,813	7,826	6,544	6,004	6,730	8,839	9,023	10,024	8,575
Above Normal (15%)	3,699	7,581	8,188	9,648	10,487	8,842	4,814	4,282	5,092	7,398	9,945	8,457	7,370
Below Normal (17%)	4,337	8,060	8,675	6,605	9,369	5,329	3,385	2,166	4,384	8,547	8,372	7,675	6,409
Dry (22%)	4,033	7,117	7,676	5,340	6,440	4,700	2,050	2,352	2,876	6,973	6,131	5,833	5,127
Critical (15%)	3,480	5,703	5,699	4,519	4,533	2,879	1,659	1,388	1,445	2,852	3,279	3,091	3,377

Alternative 4 H2 (LLT) minus No Action Alternative (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	893	-220	2,392	4,672	4,027	898	6,313	6,457	3,394	589	-312	-316	1,718
20%	-192	1,979	-23	5,160	2,273	1,350	5,615	3,996	1,801	-648	-1,363	-1,477	907
30%	-1,082	2,167	-284	3,765	2,685	1,155	4,289	1,466	1,077	-1,734	-2,205	-759	464
40%	-1,102	2,206	294	1,739	2,750	695	542	524	724	-2,097	-2,946	-841	404
50%	-1,185	2,345	186	742	2,161	-790	-17	79	-40	-2,483	-3,037	-68	249
60%	-1,054	1,991	-94	282	1,936	-986	-212	-106	-564	-2,389	-2,165	629	56
70%	-991	1,683	-133	-186	832	-2,962	-98	0	-275	-3,141	-1,899	912	246
80%	-743	758	-1	-1,411	1,148	-1,722	0	0	-295	-1,464	-2,207	655	115
90%	-40	1,166	1,042	-2,104	461	-650	141	-242	-405	-2,090	-611	-880	-403
Long Term													
Full Simulation Period[a]	-513	1,501	277	1,422	1,739	-268	1,815	1,316	536	-1,458	-1,500	-221	387
Water Year Types[b]													
Wet (32%)	-234	1,855	1,769	3,450	1,403	-1,542	3,529	2,582	570	-940	-2,486	1,270	935
Above Normal (15%)	-305	895	-872	3,050	3,303	1,149	2,729	2,388	176	-764	-1,743	-1,512	708
Below Normal (17%)	-973	1,857	-153	865	2,925	-1,093	1,270	219	997	-1,494	-1,411	-1,601	117
Dry (22%)	-531	1,528	-903	-957	1,278	810	197	497	778	-2,429	-1,266	124	-73
Critical (15%)	-764	884	462	-381	207	425	252	10	-76	-1,778	426	-1,071	-117

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-10-1-19. Total Delta Exports, Monthly Delivery Rate

No Action Alternative (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**AVG**
Probability of Exceedance													
10%	6,640	11,279	11,704	9,525	10,456	10,469	3,590	3,369	6,155	11,605	11,780	11,280	7,935
20%	6,219	8,289	10,946	7,731	9,231	9,202	2,461	2,449	5,616	11,432	11,780	11,088	7,388
30%	5,768	7,130	10,444	6,857	8,220	8,178	2,230	1,964	5,085	10,849	11,662	9,418	7,012
40%	5,384	6,351	9,062	6,744	7,266	7,202	2,071	1,785	4,094	10,426	11,437	8,956	6,642
50%	5,016	5,641	8,211	6,505	6,643	6,507	1,830	1,691	3,544	9,731	11,059	7,595	6,364
60%	4,613	5,086	7,882	6,179	6,251	5,250	1,712	1,606	2,995	8,818	9,625	6,546	5,963
70%	4,214	4,861	7,250	5,463	5,506	4,566	1,598	1,500	2,392	8,269	7,933	5,615	5,305
80%	3,660	4,478	6,178	4,910	4,377	3,222	1,500	1,500	1,633	5,853	6,558	4,795	4,937
90%	2,554	3,355	4,138	4,493	3,341	2,150	1,359	1,500	1,480	3,663	3,453	4,337	3,942
Long Term													
Full Simulation Period[a]	4,938	6,348	8,358	6,562	6,901	6,406	2,235	2,303	3,934	8,751	9,071	7,681	6,124
Water Year Types[b]													
Wet (32%)	5,748	7,500	9,069	7,939	9,410	9,369	3,016	3,421	6,160	9,779	11,509	8,754	7,639
Above Normal (15%)	4,005	6,686	9,060	6,598	7,184	7,693	2,086	1,894	4,916	8,162	11,688	9,970	6,662
Below Normal (17%)	5,311	6,203	8,827	5,741	6,444	6,421	2,114	1,947	3,386	10,041	9,783	9,276	6,291
Dry (22%)	4,564	5,590	8,578	6,297	5,162	3,890	1,853	1,855	2,098	9,401	7,398	5,709	5,200
Critical (15%)	4,245	4,819	5,237	4,900	4,326	2,454	1,407	1,378	1,522	4,630	2,852	4,162	3,494

Alternative 4 H3 (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**AVG**
Probability of Exceedance													
10%	6,302	10,408	12,713	14,399	14,518	12,245	10,589	10,483	12,164	13,953	13,287	8,439	9,796
20%	4,878	8,871	10,874	12,740	11,778	10,914	9,932	9,455	10,950	12,696	11,819	7,038	8,939
30%	4,172	6,755	10,341	10,566	11,125	10,480	8,293	7,232	10,274	11,252	9,523	6,655	8,222
40%	3,843	5,801	10,105	8,456	10,635	9,760	6,491	4,511	8,848	9,405	8,755	6,121	7,686
50%	3,449	4,793	9,369	7,359	8,828	8,792	5,110	3,357	7,132	8,624	7,448	5,741	7,137
60%	3,222	4,254	8,377	6,451	7,913	7,484	3,809	2,492	4,809	6,756	6,533	4,872	6,363
70%	2,841	2,601	7,504	5,092	6,957	5,965	2,962	2,191	3,095	5,224	5,258	4,336	5,396
80%	2,694	1,878	6,291	3,286	5,580	5,140	2,246	2,057	2,257	4,351	4,009	3,681	4,535
90%	2,222	1,342	5,170	2,381	3,834	3,356	1,995	1,576	1,726	2,429	3,000	3,227	3,826
Long Term													
Full Simulation Period[a]	3,831	5,316	8,851	7,840	8,942	8,196	5,721	4,950	6,777	8,223	7,754	5,574	6,831
Water Year Types[b]													
Wet (32%)	4,642	5,975	10,545	11,306	11,625	10,556	8,446	7,832	9,931	10,652	10,275	5,918	8,975
Above Normal (15%)	3,634	5,213	8,685	9,057	10,688	10,115	7,563	6,475	9,726	10,247	10,473	6,445	8,193
Below Normal (17%)	3,044	5,375	9,200	6,484	9,335	8,856	5,213	3,972	6,904	9,523	8,495	7,014	6,951
Dry (22%)	3,936	5,094	7,927	5,335	6,506	6,405	3,448	2,781	3,486	6,049	5,020	5,315	5,109
Critical (15%)	3,034	4,256	6,323	4,452	4,581	3,083	1,976	1,573	1,785	2,683	2,810	2,664	3,268

Alternative 4 H3 (LLT) minus No Action Alternative (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**AVG**
Probability of Exceedance													
10%	**-338**	**-871**	1,009	4,874	4,062	1,775	6,999	7,113	6,009	2,348	1,507	**-2,841**	1,861
20%	**-1,341**	581	**-73**	5,010	2,548	1,712	7,471	7,006	5,334	1,265	39	**-4,050**	1,551
30%	**-1,596**	**-374**	**-103**	3,709	2,905	2,302	6,063	5,268	5,188	403	**-2,139**	**-2,763**	1,209
40%	**-1,540**	**-549**	1,043	1,711	3,369	2,558	4,420	2,726	4,753	**-1,020**	**-2,682**	**-2,835**	1,044
50%	**-1,567**	**-848**	1,158	854	2,184	2,285	3,280	1,667	3,588	**-1,107**	**-3,611**	**-1,854**	773
60%	**-1,391**	**-832**	495	272	1,662	2,234	2,097	886	1,814	**-2,062**	**-3,092**	**-1,673**	400
70%	**-1,373**	**-2,260**	254	**-372**	1,450	1,399	1,364	691	703	**-3,045**	**-2,675**	**-1,279**	90
80%	**-966**	**-2,600**	113	**-1,624**	1,203	1,918	746	557	624	**-1,503**	**-2,549**	**-1,114**	**-401**
90%	**-331**	**-2,014**	1,032	**-2,111**	493	1,206	636	76	246	**-1,233**	**-453**	**-1,110**	**-117**
Long Term													
Full Simulation Period[a]	**-1,107**	**-1,032**	493	1,277	2,041	1,791	3,486	2,647	2,843	**-527**	**-1,317**	**-2,107**	707
Water Year Types[b]													
Wet (32%)	**-1,106**	**-1,525**	1,476	3,367	2,215	1,187	5,431	4,411	3,771	874	**-1,234**	**-2,836**	1,336
Above Normal (15%)	**-371**	**-1,473**	**-375**	2,459	3,504	2,422	5,477	4,582	4,810	2,084	**-1,215**	**-3,525**	1,532
Below Normal (17%)	**-2,267**	**-828**	373	743	2,891	2,435	3,099	2,025	3,518	**-518**	**-1,288**	**-2,262**	660
Dry (22%)	**-627**	**-496**	**-651**	**-962**	1,343	2,515	1,595	926	1,388	**-3,353**	**-2,378**	**-394**	**-91**
Critical (15%)	**-1,210**	**-564**	1,086	**-448**	255	629	569	195	264	**-1,947**	**-42**	**-1,498**	**-226**

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-10-1-20. Total Delta Exports, Monthly Delivery Rate

No Action Alternative (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**AVG**
Probability of Exceedance													
10%	6,640	11,279	11,704	9,525	10,456	10,469	3,590	3,369	6,155	11,605	11,780	11,280	7,935
20%	6,219	8,289	10,946	7,731	9,231	9,202	2,461	2,449	5,616	11,432	11,780	11,088	7,388
30%	5,768	7,130	10,444	6,857	8,220	8,178	2,230	1,964	5,085	10,849	11,662	9,418	7,012
40%	5,384	6,351	9,062	6,744	7,266	7,202	2,071	1,785	4,094	10,426	11,437	8,956	6,642
50%	5,016	5,641	8,211	6,505	6,643	6,507	1,830	1,691	3,544	9,731	11,059	7,595	6,364
60%	4,613	5,086	7,882	6,179	6,251	5,250	1,712	1,606	2,995	8,818	9,625	6,546	5,963
70%	4,214	4,861	7,250	5,463	5,506	4,566	1,598	1,500	2,392	8,269	7,933	5,615	5,305
80%	3,660	4,478	6,178	4,910	4,377	3,222	1,500	1,500	1,633	5,853	6,558	4,795	4,937
90%	2,554	3,355	4,138	4,493	3,341	2,150	1,359	1,500	1,480	3,663	3,453	4,337	3,942
Long Term													
Full Simulation Period[a]	4,938	6,348	8,358	6,562	6,901	6,406	2,235	2,303	3,934	8,751	9,071	7,681	6,124
Water Year Types[b]													
Wet (32%)	5,748	7,500	9,069	7,939	9,410	9,369	3,016	3,421	6,160	9,779	11,509	8,754	7,639
Above Normal (15%)	4,005	6,686	9,060	6,598	7,184	7,693	2,086	1,894	4,916	8,162	11,688	9,970	6,662
Below Normal (17%)	5,311	6,203	8,827	5,741	6,444	6,421	2,114	1,947	3,386	10,041	9,783	9,276	6,291
Dry (22%)	4,564	5,590	8,578	6,297	5,162	3,890	1,853	1,855	2,098	9,401	7,398	5,709	5,200
Critical (15%)	4,245	4,819	5,237	4,900	4,326	2,454	1,407	1,378	1,522	4,630	2,852	4,162	3,494

Alternative 4 H4 (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**AVG**
Probability of Exceedance													
10%	5,876	10,704	13,974	14,468	14,518	12,164	9,958	10,367	9,320	12,015	11,025	8,055	9,144
20%	4,492	8,775	10,815	12,773	11,788	10,568	8,543	6,185	7,619	9,842	9,946	7,356	7,735
30%	4,054	6,895	10,194	10,566	11,021	9,396	6,538	2,903	6,222	8,800	8,971	6,718	6,999
40%	3,901	5,494	9,475	8,456	10,509	7,731	2,509	2,167	4,993	7,903	8,560	6,296	6,596
50%	3,538	4,796	8,916	7,107	8,731	5,515	1,708	1,523	3,447	7,107	8,187	5,841	6,060
60%	3,158	3,803	7,999	6,367	7,801	3,757	1,500	1,500	2,450	6,343	7,132	5,602	5,456
70%	2,926	2,383	7,202	4,890	5,921	1,596	1,500	1,500	2,214	5,320	6,235	4,712	4,979
80%	2,780	1,849	6,266	3,324	5,160	1,500	1,500	1,500	1,263	4,089	4,225	4,047	4,472
90%	2,363	1,124	5,287	2,346	3,784	1,500	1,457	1,265	1,031	2,016	3,240	3,502	3,542
Long Term													
Full Simulation Period[a]	3,781	5,345	8,785	7,859	8,644	6,268	4,086	3,542	4,486	7,147	7,473	5,765	6,099
Water Year Types[b]													
Wet (32%)	4,393	6,340	10,784	11,238	11,062	8,568	6,773	5,917	6,884	9,203	9,074	6,349	8,049
Above Normal (15%)	3,553	5,423	8,589	9,565	10,673	8,629	4,810	4,287	5,266	7,225	9,283	6,187	6,958
Below Normal (17%)	3,338	5,059	9,042	6,331	8,997	4,934	3,282	2,091	4,725	8,373	8,163	6,784	5,927
Dry (22%)	3,687	4,919	7,625	5,385	6,304	4,654	2,004	2,169	2,349	6,038	6,125	5,712	4,748
Critical (15%)	3,343	4,085	6,091	4,328	4,477	2,899	1,601	1,402	1,434	2,848	3,412	2,971	3,241

Alternative 4 H4 (LLT) minus No Action Alternative (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**AVG**
Probability of Exceedance													
10%	**-764**	**-574**	2,270	4,943	4,062	1,694	6,368	6,997	3,165	410	**-755**	**-3,225**	1,209
20%	**-1,726**	486	**-131**	5,043	2,558	1,365	6,083	3,736	2,003	**-1,590**	**-1,834**	**-3,732**	346
30%	**-1,714**	**-235**	**-250**	3,709	2,801	1,218	4,308	939	1,137	**-2,049**	**-2,692**	**-2,700**	**-13**
40%	**-1,483**	**-857**	413	1,711	3,243	529	438	381	898	**-2,523**	**-2,877**	**-2,661**	**-46**
50%	**-1,477**	**-845**	704	602	2,087	**-992**	**-122**	**-168**	**-97**	**-2,624**	**-2,872**	**-1,753**	**-304**
60%	**-1,455**	**-1,283**	117	188	1,550	**-1,493**	**-212**	**-106**	**-546**	**-2,475**	**-2,493**	**-944**	**-507**
70%	**-1,288**	**-2,478**	**-48**	**-574**	415	**-2,970**	**-98**	0	**-178**	**-2,949**	**-1,697**	**-903**	**-326**
80%	**-880**	**-2,628**	87	**-1,587**	784	**-1,722**	0	0	**-370**	**-1,765**	**-2,333**	**-749**	**-464**
90%	**-191**	**-2,232**	1,149	**-2,146**	443	**-650**	97	**-235**	**-448**	**-1,646**	**-213**	**-835**	**-400**
Long Term													
Full Simulation Period[a]	**-1,157**	**-1,003**	427	1,297	1,743	**-138**	1,851	1,239	552	**-1,604**	**-1,598**	**-1,915**	**-25**
Water Year Types[b]													
Wet (32%)	**-1,355**	**-1,160**	1,715	3,299	1,652	**-800**	3,758	2,496	725	**-575**	**-2,435**	**-2,405**	409
Above Normal (15%)	**-451**	**-1,263**	**-472**	2,967	3,489	936	2,725	2,394	349	**-938**	**-2,405**	**-3,783**	296
Below Normal (17%)	**-1,973**	**-1,145**	214	590	2,553	**-1,487**	1,168	145	1,339	**-1,668**	**-1,620**	**-2,492**	**-365**
Dry (22%)	**-877**	**-670**	**-953**	**-912**	1,142	763	151	314	251	**-3,364**	**-1,272**	3	**-452**
Critical (15%)	**-902**	**-734**	854	**-572**	151	445	194	24	**-87**	**-1,783**	559	**-1,191**	**-253**

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-10-1-21. Total Delta Exports, Monthly Delivery Rate

No Action Alternative (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	6,640	11,279	11,704	9,525	10,456	10,469	3,590	3,369	6,155	11,605	11,780	11,280	7,935
20%	6,219	8,289	10,946	7,731	9,231	9,202	2,461	2,449	5,616	11,432	11,780	11,088	7,388
30%	5,768	7,130	10,444	6,857	8,220	8,178	2,230	1,964	5,085	10,849	11,662	9,418	7,012
40%	5,384	6,351	9,062	6,744	7,266	7,202	2,071	1,785	4,094	10,426	11,437	8,956	6,642
50%	5,016	5,641	8,211	6,505	6,643	6,507	1,830	1,691	3,544	9,731	11,059	7,595	6,364
60%	4,613	5,086	7,882	6,179	6,251	5,250	1,712	1,606	2,995	8,818	9,625	6,546	5,963
70%	4,214	4,861	7,250	5,463	5,506	4,566	1,598	1,500	2,392	8,269	7,933	5,615	5,305
80%	3,660	4,478	6,178	4,910	4,377	3,222	1,500	1,500	1,633	5,853	6,558	4,795	4,937
90%	2,554	3,355	4,138	4,493	3,341	2,150	1,359	1,500	1,480	3,663	3,453	4,337	3,942
Long Term													
Full Simulation Period[a]	4,938	6,348	8,358	6,562	6,901	6,406	2,235	2,303	3,934	8,751	9,071	7,681	6,124
Water Year Types[b]													
Wet (32%)	5,748	7,500	9,069	7,939	9,410	9,369	3,016	3,421	6,160	9,779	11,509	8,754	7,639
Above Normal (15%)	4,005	6,686	9,060	6,598	7,184	7,693	2,086	1,894	4,916	8,162	11,688	9,970	6,662
Below Normal (17%)	5,311	6,203	8,827	5,741	6,444	6,421	2,114	1,947	3,386	10,041	9,783	9,276	6,291
Dry (22%)	4,564	5,590	8,578	6,297	5,162	3,890	1,853	1,855	2,098	9,401	7,398	5,709	5,200
Critical (15%)	4,245	4,819	5,237	4,900	4,326	2,454	1,407	1,378	1,522	4,630	2,852	4,162	3,494

Alternative 5 (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	6,482	10,505	12,487	11,028	12,898	12,955	6,591	6,215	9,697	13,776	14,270	7,201	8,849
20%	5,975	8,898	11,905	9,652	11,185	11,607	5,397	4,972	8,655	13,240	12,109	6,336	8,046
30%	5,544	6,441	11,198	8,658	9,533	9,680	5,027	4,500	8,273	12,100	11,176	5,799	7,719
40%	4,948	5,232	10,897	8,292	8,953	9,319	4,694	3,864	6,641	11,404	10,234	5,332	7,503
50%	4,534	4,601	10,075	7,737	8,024	7,690	4,318	3,184	6,283	10,076	8,936	5,039	7,043
60%	4,068	3,563	9,307	7,061	7,172	6,435	3,459	2,730	5,697	9,491	6,876	4,068	6,250
70%	3,411	2,334	8,355	6,773	6,543	5,758	2,791	2,273	3,227	8,426	4,552	3,648	5,467
80%	2,964	1,909	7,432	5,646	5,747	4,175	2,474	2,068	1,980	6,514	3,000	2,781	4,948
90%	2,086	1,590	5,135	3,015	4,005	3,519	1,901	1,789	1,633	2,372	2,250	1,503	3,557
Long Term													
Full Simulation Period[a]	4,624	5,258	9,380	7,556	8,218	7,918	4,127	3,756	5,916	9,478	8,152	4,840	6,602
Water Year Types[b]													
Wet (32%)	5,734	6,151	10,410	10,140	11,012	11,062	5,586	5,605	9,042	11,665	10,806	5,219	8,536
Above Normal (15%)	4,323	5,571	9,383	8,370	8,895	9,720	4,649	4,185	7,579	10,253	11,831	4,786	7,462
Below Normal (17%)	4,137	5,189	9,391	6,803	7,767	8,213	4,084	3,205	5,807	11,423	9,244	6,296	6,797
Dry (22%)	4,313	4,670	9,900	6,157	6,282	5,247	3,163	2,719	3,261	8,396	4,781	4,682	5,298
Critical (15%)	3,552	3,971	6,355	4,119	4,916	2,964	1,938	1,521	1,587	3,321	2,507	2,613	3,280

Alternative 5 (LLT) minus No Action Alternative (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	-158	-774	783	1,503	2,442	2,486	3,001	2,846	3,542	2,171	2,490	-4,079	914
20%	-244	609	959	1,921	1,954	2,405	2,936	2,523	3,039	1,809	329	-4,752	658
30%	-224	-689	753	1,801	1,313	1,502	2,797	2,536	3,187	1,250	-486	-3,619	707
40%	-435	-1,119	1,835	1,548	1,687	2,117	2,623	2,079	2,546	979	-1,203	-3,624	861
50%	-482	-1,039	1,864	1,232	1,381	1,183	2,488	1,493	2,739	346	-2,123	-2,555	678
60%	-545	-1,524	1,425	882	921	1,186	1,747	1,124	2,701	673	-2,749	-2,478	287
70%	-803	-2,527	1,104	1,310	1,037	1,193	1,193	773	836	157	-3,380	-1,967	161
80%	-696	-2,569	1,253	735	1,370	953	974	568	347	661	-3,558	-2,014	12
90%	-467	-1,766	997	-1,478	664	1,369	542	289	153	-1,290	-1,204	-2,834	-385
Long Term													
Full Simulation Period[a]	-314	-1,090	1,022	993	1,316	1,512	1,892	1,453	1,982	728	-919	-2,840	478
Water Year Types[b]													
Wet (32%)	-14	-1,349	1,341	2,200	1,603	1,693	2,570	2,184	2,882	1,887	-703	-3,535	897
Above Normal (15%)	318	-1,115	323	1,772	1,711	2,027	2,564	2,291	2,663	2,090	143	-5,184	800
Below Normal (17%)	-1,173	-1,014	564	1,062	1,323	1,792	1,970	1,258	2,421	1,382	-539	-2,980	505
Dry (22%)	-251	-919	1,322	-140	1,119	1,356	1,310	864	1,163	-1,005	-2,616	-1,027	98
Critical (15%)	-692	-848	1,118	-781	590	510	531	143	66	-1,310	-345	-1,549	-214

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-10-1-22. Total Delta Exports, Monthly Delivery Rate

No Action Alternative (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**AVG**
Probability of Exceedance													
10%	6,640	11,279	11,704	9,525	10,456	10,469	3,590	3,369	6,155	11,605	11,780	11,280	7,935
20%	6,219	8,289	10,946	7,731	9,231	9,202	2,461	2,449	5,616	11,432	11,780	11,088	7,388
30%	5,768	7,130	10,444	6,857	8,220	8,178	2,230	1,964	5,085	10,849	11,662	9,418	7,012
40%	5,384	6,351	9,062	6,744	7,266	7,202	2,071	1,785	4,094	10,426	11,437	8,956	6,642
50%	5,016	5,641	8,211	6,505	6,643	6,507	1,830	1,691	3,544	9,731	11,059	7,595	6,364
60%	4,613	5,086	7,882	6,179	6,251	5,250	1,712	1,606	2,995	8,818	9,625	6,546	5,963
70%	4,214	4,861	7,250	5,463	5,506	4,566	1,598	1,500	2,392	8,269	7,933	5,615	5,305
80%	3,660	4,478	6,178	4,910	4,377	3,222	1,500	1,500	1,633	5,853	6,558	4,795	4,937
90%	2,554	3,355	4,138	4,493	3,341	2,150	1,359	1,500	1,480	3,663	3,453	4,337	3,942
Long Term													
Full Simulation Period[a]	4,938	6,348	8,358	6,562	6,901	6,406	2,235	2,303	3,934	8,751	9,071	7,681	6,124
Water Year Types[b]													
Wet (32%)	5,748	7,500	9,069	7,939	9,410	9,369	3,016	3,421	6,160	9,779	11,509	8,754	7,639
Above Normal (15%)	4,005	6,686	9,060	6,598	7,184	7,693	2,086	1,894	4,916	8,162	11,688	9,970	6,662
Below Normal (17%)	5,311	6,203	8,827	5,741	6,444	6,421	2,114	1,947	3,386	10,041	9,783	9,276	6,291
Dry (22%)	4,564	5,590	8,578	6,297	5,162	3,890	1,853	1,855	2,098	9,401	7,398	5,709	5,200
Critical (15%)	4,245	4,819	5,237	4,900	4,326	2,454	1,407	1,378	1,522	4,630	2,852	4,162	3,494

Alternative 6A,6B,6C (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**AVG**
Probability of Exceedance													
10%	5,545	6,318	8,887	14,514	14,527	13,160	11,995	11,723	10,674	13,302	9,779	6,891	8,679
20%	4,949	4,984	4,620	14,292	14,515	11,845	9,959	9,602	7,619	11,168	8,008	6,555	7,777
30%	4,169	3,708	1,651	10,964	13,600	10,504	8,188	4,286	4,475	10,310	7,263	6,192	7,072
40%	3,980	2,839	1,343	6,257	10,457	9,292	4,558	1,908	3,188	8,884	6,583	5,819	6,146
50%	3,342	2,244	1,024	2,620	9,391	7,556	3,201	1,379	1,548	7,973	6,050	5,383	5,095
60%	2,807	2,104	820	1,729	4,953	5,187	1,569	1,170	818	7,079	5,567	4,822	3,823
70%	2,556	1,940	705	969	1,872	3,305	707	947	722	6,324	4,802	4,063	3,104
80%	2,116	1,493	607	839	1,090	1,484	623	690	663	5,821	3,845	3,284	2,591
90%	1,176	1,296	503	736	762	690	587	613	596	4,252	3,107	2,551	2,005
Long Term													
Full Simulation Period[a]	3,416	3,276	2,678	6,017	7,867	7,093	4,807	4,010	3,704	8,284	6,253	4,960	5,197
Water Year Types[b]													
Wet (32%)	4,036	4,377	5,669	11,513	13,234	11,038	8,746	8,173	6,866	9,175	7,793	5,944	8,047
Above Normal (15%)	2,940	3,091	2,208	8,318	11,634	11,367	7,285	4,973	5,684	9,459	7,287	6,561	6,734
Below Normal (17%)	3,312	3,162	1,296	3,159	6,756	5,728	3,326	1,826	2,560	10,314	7,601	5,886	4,577
Dry (22%)	3,301	3,008	1,120	1,991	3,046	3,610	1,421	1,084	790	6,945	4,882	3,970	2,931
Critical (15%)	2,844	1,613	617	1,180	995	1,089	604	968	579	4,816	2,368	1,634	1,609

Alternative 6A,6B,6C (LLT) minus No Action Alternative (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**AVG**
Probability of Exceedance													
10%	**-1,095**	**-4,961**	**-2,817**	4,989	4,071	2,691	8,405	8,354	4,519	1,697	**-2,001**	**-4,389**	744
20%	**-1,270**	**-3,305**	**-6,326**	6,562	5,285	2,643	7,498	7,153	2,003	**-263**	**-3,772**	**-4,534**	389
30%	**-1,599**	**-3,422**	**-8,793**	4,108	5,380	2,325	5,958	2,322	**-610**	**-539**	**-4,399**	**-3,226**	60
40%	**-1,404**	**-3,512**	**-7,719**	**-487**	3,191	2,090	2,487	123	**-906**	**-1,542**	**-4,855**	**-3,137**	**-496**
50%	**-1,674**	**-3,397**	**-7,187**	**-3,886**	2,747	1,049	1,371	**-312**	**-1,996**	**-1,757**	**-5,009**	**-2,212**	**-1,269**
60%	**-1,806**	**-2,982**	**-7,063**	**-4,450**	**-1,298**	**-63**	**-143**	**-436**	**-2,177**	**-1,739**	**-4,058**	**-1,724**	**-2,140**
70%	**-1,657**	**-2,921**	**-6,546**	**-4,494**	**-3,635**	**-1,261**	**-890**	**-553**	**-1,669**	**-1,945**	**-3,130**	**-1,552**	**-2,201**
80%	**-1,544**	**-2,985**	**-5,571**	**-4,071**	**-3,287**	**-1,738**	**-877**	**-810**	**-970**	**-32**	**-2,713**	**-1,511**	**-2,345**
90%	**-1,378**	**-2,059**	**-3,636**	**-3,757**	**-2,579**	**-1,460**	**-772**	**-887**	**-884**	589	**-346**	**-1,786**	**-1,938**
Long Term													
Full Simulation Period[a]	**-1,522**	**-3,072**	**-5,680**	**-545**	965	687	2,572	1,707	**-230**	**-467**	**-2,818**	**-2,720**	**-927**
Water Year Types[b]													
Wet (32%)	**-1,712**	**-3,123**	**-3,400**	3,574	3,824	1,669	5,730	4,752	706	**-603**	**-3,716**	**-2,810**	408
Above Normal (15%)	**-1,065**	**-3,595**	**-6,853**	1,720	4,450	3,674	5,200	3,079	768	1,297	**-4,401**	**-3,409**	72
Below Normal (17%)	**-1,999**	**-3,041**	**-7,532**	**-2,581**	312	**-693**	1,212	**-120**	**-827**	273	**-2,182**	**-3,390**	**-1,714**
Dry (22%)	**-1,263**	**-2,582**	**-7,459**	**-4,306**	**-2,116**	**-281**	**-432**	**-771**	**-1,308**	**-2,456**	**-2,516**	**-1,739**	**-2,269**
Critical (15%)	**-1,400**	**-3,206**	**-4,620**	**-3,720**	**-3,331**	**-1,365**	**-802**	**-410**	**-943**	186	**-485**	**-2,528**	**-1,885**

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-10-1-23. Total Delta Exports, Monthly Delivery Rate

No Action Alternative (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	6,640	11,279	11,704	9,525	10,456	10,469	3,590	3,369	6,155	11,605	11,780	11,280	7,935
20%	6,219	8,289	10,946	7,731	9,231	9,202	2,461	2,449	5,616	11,432	11,780	11,088	7,388
30%	5,768	7,130	10,444	6,857	8,220	8,178	2,230	1,964	5,085	10,849	11,662	9,418	7,012
40%	5,384	6,351	9,062	6,744	7,266	7,202	2,071	1,785	4,094	10,426	11,437	8,956	6,642
50%	5,016	5,641	8,211	6,505	6,643	6,507	1,830	1,691	3,544	9,731	11,059	7,595	6,364
60%	4,613	5,086	7,882	6,179	6,251	5,250	1,712	1,606	2,995	8,818	9,625	6,546	5,963
70%	4,214	4,861	7,250	5,463	5,506	4,566	1,598	1,500	2,392	8,269	7,933	5,615	5,305
80%	3,660	4,478	6,178	4,910	4,377	3,222	1,500	1,500	1,633	5,853	6,558	4,795	4,937
90%	2,554	3,355	4,138	4,493	3,341	2,150	1,359	1,500	1,480	3,663	3,453	4,337	3,942
Long Term													
Full Simulation Period[a]	4,938	6,348	8,358	6,562	6,901	6,406	2,235	2,303	3,934	8,751	9,071	7,681	6,124
Water Year Types[b]													
Wet (32%)	5,748	7,500	9,069	7,939	9,410	9,369	3,016	3,421	6,160	9,779	11,509	8,754	7,639
Above Normal (15%)	4,005	6,686	9,060	6,598	7,184	7,693	2,086	1,894	4,916	8,162	11,688	9,970	6,662
Below Normal (17%)	5,311	6,203	8,827	5,741	6,444	6,421	2,114	1,947	3,386	10,041	9,783	9,276	6,291
Dry (22%)	4,564	5,590	8,578	6,297	5,162	3,890	1,853	1,855	2,098	9,401	7,398	5,709	5,200
Critical (15%)	4,245	4,819	5,237	4,900	4,326	2,454	1,407	1,378	1,522	4,630	2,852	4,162	3,494

Alternative 7 (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	5,934	6,005	7,778	12,229	14,479	13,831	9,000	9,000	8,246	14,109	13,565	7,858	8,320
20%	4,947	4,704	4,578	10,056	11,865	11,528	9,000	8,236	7,442	13,166	11,578	7,043	7,461
30%	4,314	3,468	1,755	8,302	10,473	9,741	6,851	4,321	6,046	12,360	10,346	6,299	7,014
40%	3,990	2,455	1,209	5,031	8,858	8,663	4,154	1,823	4,735	11,519	8,693	5,926	6,493
50%	3,273	2,211	878	2,965	6,975	6,608	2,137	1,478	2,984	10,647	7,734	5,439	5,145
60%	3,005	1,947	700	1,856	4,069	4,044	950	1,221	655	9,814	7,241	5,080	3,967
70%	2,620	1,722	594	1,017	2,182	2,508	573	934	596	7,029	5,840	4,540	3,116
80%	2,534	1,447	504	789	995	1,321	525	581	582	6,229	4,816	4,011	2,694
90%	1,165	1,100	430	649	657	580	475	511	577	5,398	4,091	3,514	2,209
Long Term													
Full Simulation Period[a]	3,539	2,916	2,500	5,141	6,798	6,618	3,870	3,292	3,786	9,910	8,231	5,585	5,182
Water Year Types[b]													
Wet (32%)	4,186	3,653	5,355	9,671	11,599	11,207	7,198	6,390	7,105	11,522	10,298	5,910	7,841
Above Normal (15%)	3,007	2,668	1,897	7,062	9,179	9,735	5,879	4,579	6,117	10,970	10,453	5,931	6,456
Below Normal (17%)	3,363	3,079	1,310	2,975	6,285	5,327	2,569	1,414	2,300	11,676	9,604	7,116	4,752
Dry (22%)	3,489	2,822	1,021	1,729	2,597	2,712	973	843	717	8,648	5,599	5,393	3,045
Critical (15%)	2,946	1,520	522	1,046	917	923	514	1,159	602	5,193	3,877	3,039	1,855

Alternative 7 (LLT) minus No Action Alternative (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	-705	-5,274	-3,926	2,704	4,023	3,361	5,410	5,631	2,091	2,504	1,785	-3,422	384
20%	-1,272	-3,586	-6,369	2,326	2,634	2,326	6,539	5,787	1,826	1,735	-202	-4,045	73
30%	-1,454	-3,661	-8,689	1,445	2,254	1,563	4,621	2,357	960	1,511	-1,316	-3,119	2
40%	-1,394	-3,896	-7,853	-1,713	1,593	1,461	2,083	38	641	1,094	-2,744	-3,030	-149
50%	-1,743	-3,429	-7,334	-3,540	332	101	307	-213	-560	916	-3,326	-2,156	-1,219
60%	-1,608	-3,139	-7,183	-4,323	-2,182	-1,206	-761	-385	-2,341	996	-2,384	-1,466	-1,997
70%	-1,594	-3,139	-6,656	-4,447	-3,325	-2,058	-1,024	-566	-1,796	-1,240	-2,093	-1,076	-2,189
80%	-1,126	-3,031	-5,674	-4,121	-3,382	-1,901	-975	-919	-1,051	376	-1,742	-784	-2,242
90%	-1,388	-2,255	-3,708	-3,844	-2,684	-1,570	-884	-989	-903	1,736	638	-823	-1,734
Long Term													
Full Simulation Period[a]	-1,400	-3,432	-5,858	-1,422	-103	212	1,635	989	-148	1,160	-840	-2,095	-942
Water Year Types[b]													
Wet (32%)	-1,562	-3,847	-3,714	1,732	2,189	1,838	4,182	2,969	946	1,743	-1,211	-2,844	202
Above Normal (15%)	-997	-4,018	-7,163	464	1,995	2,042	3,794	2,685	1,201	2,808	-1,235	-4,039	-205
Below Normal (17%)	-1,948	-3,125	-7,517	-2,766	-159	-1,094	455	-533	-1,086	1,635	-179	-2,160	-1,540
Dry (22%)	-1,075	-2,768	-7,557	-4,568	-2,565	-1,178	-880	-1,012	-1,381	-754	-1,799	-316	-2,154
Critical (15%)	-1,299	-3,299	-4,715	-3,854	-3,409	-1,532	-892	-219	-919	562	1,025	-1,123	-1,640

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-10-1-24. Total Delta Exports, Monthly Delivery Rate

No Action Alternative (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**AVG**
Probability of Exceedance													
10%	6,640	11,279	11,704	9,525	10,456	10,469	3,590	3,369	6,155	11,605	11,780	11,280	7,935
20%	6,219	8,289	10,946	7,731	9,231	9,202	2,461	2,449	5,616	11,432	11,780	11,088	7,388
30%	5,768	7,130	10,444	6,857	8,220	8,178	2,230	1,964	5,085	10,849	11,662	9,418	7,012
40%	5,384	6,351	9,062	6,744	7,266	7,202	2,071	1,785	4,094	10,426	11,437	8,956	6,642
50%	5,016	5,641	8,211	6,505	6,643	6,507	1,830	1,691	3,544	9,731	11,059	7,595	6,364
60%	4,613	5,086	7,882	6,179	6,251	5,250	1,712	1,606	2,995	8,818	9,625	6,546	5,963
70%	4,214	4,861	7,250	5,463	5,506	4,566	1,598	1,500	2,392	8,269	7,933	5,615	5,305
80%	3,660	4,478	6,178	4,910	4,377	3,222	1,500	1,500	1,633	5,853	6,558	4,795	4,937
90%	2,554	3,355	4,138	4,493	3,341	2,150	1,359	1,500	1,480	3,663	3,453	4,337	3,942
Long Term													
Full Simulation Period[a]	4,938	6,348	8,358	6,562	6,901	6,406	2,235	2,303	3,934	8,751	9,071	7,681	6,124
Water Year Types[b]													
Wet (32%)	5,748	7,500	9,069	7,939	9,410	9,369	3,016	3,421	6,160	9,779	11,509	8,754	7,639
Above Normal (15%)	4,005	6,686	9,060	6,598	7,184	7,693	2,086	1,894	4,916	8,162	11,688	9,970	6,662
Below Normal (17%)	5,311	6,203	8,827	5,741	6,444	6,421	2,114	1,947	3,386	10,041	9,783	9,276	6,291
Dry (22%)	4,564	5,590	8,578	6,297	5,162	3,890	1,853	1,855	2,098	9,401	7,398	5,709	5,200
Critical (15%)	4,245	4,819	5,237	4,900	4,326	2,454	1,407	1,378	1,522	4,630	2,852	4,162	3,494

Alternative 8 (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**AVG**
Probability of Exceedance													
10%	2,607	5,005	8,509	12,247	14,464	14,353	9,000	9,000	8,011	6,754	7,017	5,844	7,149
20%	2,450	3,545	4,313	10,150	12,193	11,863	9,000	8,994	6,461	4,014	6,393	5,069	6,392
30%	2,227	2,426	1,726	8,730	10,510	10,145	9,000	7,903	4,645	3,912	5,941	4,498	5,622
40%	1,838	1,511	1,236	6,099	9,175	9,000	7,995	6,278	2,992	3,705	5,546	3,655	5,021
50%	1,403	1,199	829	3,336	7,388	7,616	5,657	3,241	1,078	3,546	5,170	3,048	4,263
60%	1,100	1,093	693	2,200	5,158	5,583	4,078	1,765	758	3,357	4,924	2,845	3,018
70%	1,061	918	581	1,210	3,182	3,867	1,947	1,272	548	3,094	4,345	1,746	2,537
80%	409	807	494	852	1,367	1,858	1,314	1,071	521	1,507	3,939	1,103	2,302
90%	159	330	413	662	699	748	613	919	477	1,100	3,324	1,100	1,606
Long Term													
Full Simulation Period[a]	1,661	2,077	2,574	5,396	7,158	7,250	5,290	4,542	3,119	3,905	5,188	3,310	4,289
Water Year Types[b]													
Wet (32%)	2,521	2,860	5,489	9,920	11,983	11,557	8,152	7,740	6,515	5,405	6,893	1,770	6,734
Above Normal (15%)	1,745	2,451	1,874	7,333	9,340	9,754	7,594	6,560	3,864	2,403	5,656	2,911	5,124
Below Normal (17%)	1,254	1,883	1,590	3,441	6,346	6,689	5,588	3,889	1,718	3,046	4,731	5,701	3,823
Dry (22%)	1,250	1,824	988	1,931	3,480	3,860	2,459	1,357	554	3,653	4,347	4,495	2,517
Critical (15%)	808	615	488	1,135	983	1,156	685	1,131	496	3,536	2,819	2,475	1,361

Alternative 8 (LLT) minus No Action Alternative (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**AVG**
Probability of Exceedance													
10%	**-4,033**	**-6,274**	**-3,195**	2,722	4,008	3,884	5,410	5,631	1,856	**-4,851**	**-4,763**	**-5,436**	**-786**
20%	**-3,769**	**-4,744**	**-6,634**	2,420	2,962	2,661	6,539	6,544	845	**-7,418**	**-5,387**	**-6,019**	**-997**
30%	**-3,542**	**-4,703**	**-8,718**	1,874	2,290	1,966	6,770	5,939	**-440**	**-6,937**	**-5,721**	**-4,920**	**-1,390**
40%	**-3,545**	**-4,839**	**-7,826**	**-645**	1,909	1,798	5,924	4,493	**-1,102**	**-6,720**	**-5,891**	**-5,301**	**-1,621**
50%	**-3,613**	**-4,442**	**-7,382**	**-3,169**	745	1,109	3,827	1,550	**-2,466**	**-6,185**	**-5,890**	**-4,546**	**-2,101**
60%	**-3,513**	**-3,993**	**-7,189**	**-3,979**	**-1,093**	333	2,367	159	**-2,237**	**-5,461**	**-4,702**	**-3,701**	**-2,946**
70%	**-3,153**	**-3,943**	**-6,669**	**-4,254**	**-2,324**	**-699**	349	**-228**	**-1,844**	**-5,174**	**-3,588**	**-3,870**	**-2,768**
80%	**-3,250**	**-3,670**	**-5,684**	**-4,058**	**-3,010**	**-1,364**	**-186**	**-429**	**-1,112**	**-4,346**	**-2,619**	**-3,692**	**-2,635**
90%	**-2,394**	**-3,025**	**-3,726**	**-3,831**	**-2,642**	**-1,402**	**-746**	**-581**	**-1,003**	**-2,563**	**-130**	**-3,237**	**-2,336**
Long Term													
Full Simulation Period[a]	**-3,277**	**-4,271**	**-5,784**	**-1,166**	257	844	3,055	2,239	**-815**	**-4,846**	**-3,883**	**-4,371**	**-1,835**
Water Year Types[b]													
Wet (32%)	**-3,228**	**-4,641**	**-3,581**	1,981	2,574	2,188	5,137	4,319	355	**-4,374**	**-4,616**	**-6,984**	**-906**
Above Normal (15%)	**-2,259**	**-4,235**	**-7,186**	735	2,157	2,061	5,509	4,667	**-1,052**	**-5,760**	**-6,032**	**-7,058**	**-1,538**
Below Normal (17%)	**-4,057**	**-4,320**	**-7,238**	**-2,300**	**-98**	268	3,474	1,942	**-1,669**	**-6,995**	**-5,053**	**-3,575**	**-2,468**
Dry (22%)	**-3,314**	**-3,766**	**-7,591**	**-4,366**	**-1,682**	**-30**	605	**-498**	**-1,544**	**-5,748**	**-3,050**	**-1,214**	**-2,683**
Critical (15%)	**-3,437**	**-4,205**	**-4,749**	**-3,765**	**-3,343**	**-1,298**	**-721**	**-247**	**-1,025**	**-1,094**	**-33**	**-1,687**	**-2,134**

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-10-1-25. Total Delta Exports, Monthly Delivery Rate

No Action Alternative (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	6,640	11,279	11,704	9,525	10,456	10,469	3,590	3,369	6,155	11,605	11,780	11,280	7,935
20%	6,219	8,289	10,946	7,731	9,231	9,202	2,461	2,449	5,616	11,432	11,780	11,088	7,388
30%	5,768	7,130	10,444	6,857	8,220	8,178	2,230	1,964	5,085	10,849	11,662	9,418	7,012
40%	5,384	6,351	9,062	6,744	7,266	7,202	2,071	1,785	4,094	10,426	11,437	8,956	6,642
50%	5,016	5,641	8,211	6,505	6,643	6,507	1,830	1,691	3,544	9,731	11,059	7,595	6,364
60%	4,613	5,086	7,882	6,179	6,251	5,250	1,712	1,606	2,995	8,818	9,625	6,546	5,963
70%	4,214	4,861	7,250	5,463	5,506	4,566	1,598	1,500	2,392	8,269	7,933	5,615	5,305
80%	3,660	4,478	6,178	4,910	4,377	3,222	1,500	1,500	1,633	5,853	6,558	4,795	4,937
90%	2,554	3,355	4,138	4,493	3,341	2,150	1,359	1,500	1,480	3,663	3,453	4,337	3,942
Long Term													
Full Simulation Period[a]	4,938	6,348	8,358	6,562	6,901	6,406	2,235	2,303	3,934	8,751	9,071	7,681	6,124
Water Year Types[b]													
Wet (32%)	5,748	7,500	9,069	7,939	9,410	9,369	3,016	3,421	6,160	9,779	11,509	8,754	7,639
Above Normal (15%)	4,005	6,686	9,060	6,598	7,184	7,693	2,086	1,894	4,916	8,162	11,688	9,970	6,662
Below Normal (17%)	5,311	6,203	8,827	5,741	6,444	6,421	2,114	1,947	3,386	10,041	9,783	9,276	6,291
Dry (22%)	4,564	5,590	8,578	6,297	5,162	3,890	1,853	1,855	2,098	9,401	7,398	5,709	5,200
Critical (15%)	4,245	4,819	5,237	4,900	4,326	2,454	1,407	1,378	1,522	4,630	2,852	4,162	3,494

Alternative 9 (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	8,625	11,280	11,280	5,442	9,845	10,705	5,000	5,000	5,000	11,605	11,780	11,280	7,877
20%	6,964	10,380	11,280	5,149	5,327	5,263	5,000	5,000	5,000	11,605	11,780	10,980	7,279
30%	6,112	7,547	11,029	5,064	5,017	5,000	5,000	4,309	5,000	11,525	11,743	10,147	6,901
40%	5,568	6,605	10,450	5,035	5,000	5,000	5,000	3,500	3,500	11,339	11,517	9,400	6,486
50%	5,297	6,162	8,287	5,006	5,000	4,959	3,500	3,406	3,500	10,895	10,554	7,389	6,181
60%	5,110	5,661	6,235	4,977	4,863	3,616	3,465	3,356	3,422	10,184	9,753	6,435	5,839
70%	4,336	5,107	5,985	4,755	3,591	3,500	2,703	2,425	2,802	8,883	7,581	5,499	5,219
80%	3,882	4,770	5,871	3,608	2,971	2,836	1,500	1,399	1,500	7,716	5,302	4,643	4,772
90%	2,928	4,182	5,817	3,151	2,312	1,500	1,347	1,321	1,251	2,931	2,042	3,770	4,004
Long Term													
Full Simulation Period[a]	5,541	6,793	8,514	5,090	5,207	4,923	3,640	3,497	3,625	9,201	8,702	7,623	6,030
Water Year Types[b]													
Wet (32%)	6,247	7,697	7,958	6,022	7,675	7,658	5,104	5,291	5,514	10,517	11,413	9,340	7,536
Above Normal (15%)	5,098	6,821	8,941	4,461	4,348	5,450	4,702	4,005	4,333	11,260	11,527	9,457	6,700
Below Normal (17%)	5,305	6,926	8,958	4,416	4,509	4,419	3,759	3,102	3,069	10,146	9,875	8,983	6,122
Dry (22%)	5,447	6,346	9,435	4,897	3,870	2,912	2,227	2,340	2,420	8,480	6,274	5,435	5,007
Critical (15%)	4,872	5,320	7,392	4,773	3,539	2,074	1,388	1,301	1,284	4,269	2,275	3,763	3,521

Alternative 9 (LLT) minus No Action Alternative (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	1,986	1	-424	-4,083	-611	236	1,410	1,631	-1,155	0	0	0	-58
20%	745	2,091	334	-2,582	-3,903	-3,939	2,539	2,551	-616	173	0	-108	-110
30%	344	418	585	-1,793	-3,202	-3,178	2,770	2,345	-85	675	81	728	-112
40%	184	254	1,388	-1,710	-2,266	-2,202	2,929	1,715	-594	913	80	444	-156
50%	281	521	76	-1,499	-1,643	-1,548	1,670	1,715	-44	1,164	-505	-205	-183
60%	497	575	-1,647	-1,202	-1,388	-1,633	1,753	1,750	427	1,366	128	-111	-124
70%	122	246	-1,265	-708	-1,916	-1,066	1,105	925	411	614	-352	-116	-86
80%	223	292	-307	-1,302	-1,406	-385	0	-101	-133	1,863	-1,256	-152	-164
90%	375	827	1,678	-1,342	-1,029	-650	-12	-179	-229	-732	-1,411	-567	61
Long Term													
Full Simulation Period[a]	603	445	156	-1,472	-1,694	-1,483	1,405	1,194	-309	450	-369	-58	-94
Water Year Types[b]													
Wet (32%)	498	197	-1,111	-1,917	-1,735	-1,710	2,089	1,870	-646	738	-96	586	-103
Above Normal (15%)	1,094	135	-119	-2,136	-2,836	-2,244	2,616	2,111	-583	3,098	-160	-512	39
Below Normal (17%)	-6	723	131	-1,324	-1,935	-2,002	1,645	1,156	-318	104	91	-292	-169
Dry (22%)	883	756	856	-1,400	-1,293	-978	374	485	322	-922	-1,123	-274	-193
Critical (15%)	627	501	2,155	-127	-787	-380	-19	-77	-238	-362	-578	-399	26

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-10-2-1. Total Delta Exports, Monthly Delivery Volume

Existing Condition

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	679	651	696	549	605	604	193	208	537	713	721	664	6,310
20%	674	650	691	476	519	562	135	141	431	710	718	663	6,088
30%	639	649	614	423	459	532	122	114	325	707	717	657	5,824
40%	589	602	566	418	431	454	110	102	305	703	710	616	5,540
50%	552	539	523	396	387	406	102	97	266	700	705	589	5,264
60%	474	498	492	391	367	344	96	92	209	694	698	562	5,088
70%	441	429	470	363	332	295	89	92	183	681	680	537	4,799
80%	377	372	436	311	276	277	89	92	166	639	551	489	4,541
90%	298	277	380	274	212	139	89	92	95	553	268	297	3,463
Long Term													
Full Simulation Period[a]	516	505	538	408	398	403	124	135	288	655	620	555	5,144
Water Year Types[b]													
Wet (32%)	575	602	545	473	516	555	169	203	440	700	705	646	6,128
Above Normal (15%)	516	478	555	396	406	487	108	103	359	656	687	613	5,366
Below Normal (17%)	530	527	570	386	385	426	103	102	256	688	660	574	5,208
Dry (22%)	475	471	544	387	323	261	102	109	173	680	660	535	4,719
Critical (15%)	433	348	458	333	259	179	95	95	101	481	263	308	3,352

No Action Alternative (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	408	671	720	586	581	644	214	207	366	714	724	671	5,728
20%	382	493	673	475	513	566	146	151	334	703	724	660	5,354
30%	355	424	642	422	467	503	133	121	303	667	717	560	5,075
40%	331	378	557	415	406	443	123	110	244	641	703	533	4,832
50%	308	336	505	400	369	400	109	104	211	598	680	452	4,605
60%	284	303	485	380	347	323	102	99	178	542	592	390	4,331
70%	259	289	446	336	306	281	95	92	142	508	488	334	3,851
80%	225	266	380	302	252	198	89	92	97	360	403	285	3,592
90%	157	200	254	276	188	132	81	92	88	225	212	258	2,861
Long Term													
Full Simulation Period[a]	304	378	514	403	386	394	133	142	234	538	558	457	4,441
Water Year Types[b]													
Wet (32%)	353	446	558	488	526	576	179	210	367	601	708	521	5,533
Above Normal (15%)	246	398	557	406	404	473	124	116	293	502	719	593	4,830
Below Normal (17%)	327	369	543	353	361	395	126	120	202	617	602	552	4,565
Dry (22%)	281	333	527	387	290	239	110	114	125	578	455	340	3,778
Critical (15%)	261	287	322	301	243	151	84	85	91	285	175	248	2,532

No Action Alternative (LLT) minus Existing Condition

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	-271	20	24	36	-24	40	21	-1	-171	1	3	7	-582
20%	-292	-156	-18	-1	-6	4	11	9	-96	-8	6	-3	-734
30%	-284	-225	28	-2	9	-29	10	7	-23	-40	0	-97	-748
40%	-258	-224	-8	-3	-25	-11	14	8	-61	-61	-7	-83	-708
50%	-243	-203	-18	4	-18	-6	7	7	-55	-102	-25	-137	-659
60%	-190	-196	-8	-11	-20	-21	6	7	-30	-152	-106	-172	-756
70%	-182	-140	-24	-27	-26	-15	6	0	-41	-173	-192	-203	-948
80%	-152	-105	-56	-9	-25	-79	0	0	-69	-279	-148	-204	-949
90%	-141	-78	-126	2	-24	-7	-8	0	-7	-327	-56	-39	-603
Long Term													
Full Simulation Period[a]	-212	-127	-24	-4	-11	-10	9	7	-54	-117	-62	-98	-703
Water Year Types[b]													
Wet (32%)	-221	-156	12	15	9	21	10	8	-73	-98	3	-125	-595
Above Normal (15%)	-270	-81	2	9	-3	-13	16	13	-66	-154	31	-20	-535
Below Normal (17%)	-203	-157	-27	-33	-24	-31	22	17	-54	-70	-59	-22	-643
Dry (22%)	-194	-138	-16	1	-34	-22	8	6	-48	-102	-205	-196	-941
Critical (15%)	-172	-61	-136	-31	-16	-28	-11	-10	-10	-196	-88	-60	-820

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-10-2-2. Total Delta Exports, Monthly Delivery Volume

Existing Condition

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	679	651	696	549	605	604	193	208	537	713	721	664	6,310
20%	674	650	691	476	519	562	135	141	431	710	718	663	6,088
30%	639	649	614	423	459	532	122	114	325	707	717	657	5,824
40%	589	602	566	418	431	454	110	102	305	703	710	616	5,540
50%	552	539	523	396	387	406	102	97	266	700	705	589	5,264
60%	474	498	492	391	367	344	96	92	209	694	698	562	5,088
70%	441	429	470	363	332	295	89	92	183	681	680	537	4,799
80%	377	372	436	311	276	277	89	92	166	639	551	489	4,541
90%	298	277	380	274	212	139	89	92	95	553	268	297	3,463
Long Term													
Full Simulation Period[a]	516	505	538	408	398	403	124	135	288	655	620	555	5,144
Water Year Types[b]													
Wet (32%)	575	602	545	473	516	555	169	203	440	700	705	646	6,128
Above Normal (15%)	516	478	555	396	406	487	108	103	359	656	687	613	5,366
Below Normal (17%)	530	527	570	386	385	426	103	102	256	688	660	574	5,208
Dry (22%)	475	471	544	387	323	261	102	109	173	680	660	535	4,719
Critical (15%)	433	348	458	333	259	179	95	95	101	481	263	308	3,352

Alternative 1A,1B,1C (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	547	746	891	890	801	725	640	750	736	799	794	632	7,587
20%	470	669	809	860	719	620	606	680	594	679	548	602	7,102
30%	428	584	751	699	638	596	545	604	504	548	485	537	6,410
40%	407	529	721	616	577	572	484	516	439	429	462	481	6,164
50%	387	480	645	520	510	542	442	379	362	371	406	460	5,701
60%	361	418	571	445	470	444	388	264	300	331	360	412	5,118
70%	286	391	508	365	395	402	316	209	156	274	283	362	4,327
80%	236	290	406	258	336	346	225	180	127	172	217	275	3,928
90%	174	259	286	131	267	216	165	132	105	109	144	183	2,859
Long Term													
Full Simulation Period[a]	368	481	609	523	512	489	421	412	375	410	420	436	5,456
Water Year Types[b]													
Wet (32%)	442	601	713	716	581	568	550	605	563	560	584	590	7,072
Above Normal (15%)	331	475	582	653	645	694	547	578	580	494	560	555	6,693
Below Normal (17%)	341	500	595	489	541	507	466	415	357	415	398	436	5,460
Dry (22%)	361	422	585	386	443	413	301	226	162	303	283	325	4,210
Critical (15%)	288	291	461	222	302	207	141	105	103	154	158	152	2,583

Alternative 1A,1B,1C (LLT) minus Existing Condition

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	-132	95	195	341	196	121	447	542	198	86	73	-32	1,276
20%	-205	20	118	383	200	58	470	539	164	-31	-171	-61	1,014
30%	-211	-65	137	276	180	64	423	490	178	-159	-233	-120	586
40%	-182	-73	156	198	146	118	375	414	134	-274	-249	-134	624
50%	-164	-59	122	125	123	136	340	282	96	-329	-299	-128	437
60%	-113	-80	79	54	103	100	293	171	91	-363	-337	-150	30
70%	-156	-38	38	2	63	106	227	117	-27	-407	-397	-175	-472
80%	-142	-82	-30	-53	60	69	136	88	-39	-467	-334	-214	-612
90%	-124	-18	-94	-143	55	77	75	40	10	-443	-125	-115	-604
Long Term													
Full Simulation Period[a]	-148	-24	71	116	115	86	297	278	87	-245	-200	-119	312
Water Year Types[b]													
Wet (32%)	-133	-1	168	243	64	13	380	402	123	-140	-121	-56	944
Above Normal (15%)	-186	-3	27	257	239	207	438	475	221	-162	-128	-58	1,327
Below Normal (17%)	-189	-27	25	103	156	81	362	313	102	-272	-263	-139	252
Dry (22%)	-114	-49	41	0	120	152	199	117	-11	-377	-377	-210	-509
Critical (15%)	-146	-56	2	-111	43	28	46	10	2	-326	-105	-155	-768

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-10-2-3. Total Delta Exports, Monthly Delivery Volume

Existing Condition

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	679	651	696	549	605	604	193	208	537	713	721	664	6,310
20%	674	650	691	476	519	562	135	141	431	710	718	663	6,088
30%	639	649	614	423	459	532	122	114	325	707	717	657	5,824
40%	589	602	566	418	431	454	110	102	305	703	710	616	5,540
50%	552	539	523	396	387	406	102	97	266	700	705	589	5,264
60%	474	498	492	391	367	344	96	92	209	694	698	562	5,088
70%	441	429	470	363	332	295	89	92	183	681	680	537	4,799
80%	377	372	436	311	276	277	89	92	166	639	551	489	4,541
90%	298	277	380	274	212	139	89	92	95	553	268	297	3,463
Long Term													
Full Simulation Period[a]	516	505	538	408	398	403	124	135	288	655	620	555	5,144
Water Year Types[b]													
Wet (32%)	575	602	545	473	516	555	169	203	440	700	705	646	6,128
Above Normal (15%)	516	478	555	396	406	487	108	103	359	656	687	613	5,366
Below Normal (17%)	530	527	570	386	385	426	103	102	256	688	660	574	5,208
Dry (22%)	475	471	544	387	323	261	102	109	173	680	660	535	4,719
Critical (15%)	433	348	458	333	259	179	95	95	101	481	263	308	3,352

Alternative 2A,2B,2C (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	378	645	869	893	808	819	651	748	803	819	795	448	7,426
20%	300	511	678	888	806	720	604	668	738	741	633	411	6,804
30%	266	421	642	741	684	666	510	491	639	600	559	395	6,150
40%	234	337	632	564	632	613	393	328	538	535	507	376	5,718
50%	213	283	586	446	547	570	313	214	415	469	459	352	5,205
60%	192	253	529	392	460	483	227	155	276	404	390	288	4,599
70%	182	139	483	312	396	379	177	140	151	335	321	253	3,935
80%	165	110	427	208	310	316	136	128	134	290	257	226	3,329
90%	136	66	330	146	231	204	121	100	108	143	167	195	2,605
Long Term													
Full Simulation Period[a]	237	322	563	508	526	527	358	341	426	478	455	327	5,068
Water Year Types[b]													
Wet (32%)	288	378	671	754	670	663	530	549	628	600	603	350	6,683
Above Normal (15%)	228	323	548	590	629	700	478	460	672	590	596	382	6,196
Below Normal (17%)	192	313	582	419	578	537	325	263	411	556	496	396	5,067
Dry (22%)	235	299	511	340	392	428	212	185	193	360	297	318	3,770
Critical (15%)	192	248	396	248	253	197	122	97	109	188	184	155	2,389

Alternative 2A,2B,2C (LLT) minus Existing Condition

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	-301	-6	173	343	203	215	458	540	266	106	74	-216	1,116
20%	-374	-139	-13	412	287	158	469	527	307	31	-86	-252	716
30%	-372	-227	28	318	226	134	388	377	314	-107	-158	-262	327
40%	-355	-265	66	145	201	159	284	226	233	-168	-203	-239	178
50%	-339	-255	63	50	160	164	211	117	149	-231	-246	-237	-59
60%	-281	-245	36	1	93	139	132	63	67	-290	-308	-274	-489
70%	-260	-290	13	-51	65	84	88	47	-33	-346	-359	-285	-864
80%	-212	-262	-9	-103	34	39	47	36	-31	-350	-294	-263	-1,212
90%	-162	-211	-51	-128	19	65	32	8	13	-410	-102	-102	-858
Long Term													
Full Simulation Period[a]	-279	-183	25	100	128	123	234	207	138	-177	-165	-228	-76
Water Year Types[b]													
Wet (32%)	-287	-224	126	281	154	107	360	347	189	-99	-102	-296	555
Above Normal (15%)	-288	-156	-7	194	223	213	370	357	313	-66	-92	-231	830
Below Normal (17%)	-337	-213	12	33	193	111	221	160	156	-132	-165	-178	-140
Dry (22%)	-240	-172	-33	-46	68	167	110	77	20	-320	-363	-217	-949
Critical (15%)	-241	-100	-62	-85	-6	18	27	2	9	-293	-79	-153	-963

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-10-2-4. Total Delta Exports, Monthly Delivery Volume

Existing Condition

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	679	651	696	549	605	604	193	208	537	713	721	664	6,310
20%	674	650	691	476	519	562	135	141	431	710	718	663	6,088
30%	639	649	614	423	459	532	122	114	325	707	717	657	5,824
40%	589	602	566	418	431	454	110	102	305	703	710	616	5,540
50%	552	539	523	396	387	406	102	97	266	700	705	589	5,264
60%	474	498	492	391	367	344	96	92	209	694	698	562	5,088
70%	441	429	470	363	332	295	89	92	183	681	680	537	4,799
80%	377	372	436	311	276	277	89	92	166	639	551	489	4,541
90%	298	277	380	274	212	139	89	92	95	553	268	297	3,463
Long Term													
Full Simulation Period[a]	516	505	538	408	398	403	124	135	288	655	620	555	5,144
Water Year Types[b]													
Wet (32%)	575	602	545	473	516	555	169	203	440	700	705	646	6,128
Above Normal (15%)	516	478	555	396	406	487	108	103	359	656	687	613	5,366
Below Normal (17%)	530	527	570	386	385	426	103	102	256	688	660	574	5,208
Dry (22%)	475	471	544	387	323	261	102	109	173	680	660	535	4,719
Critical (15%)	433	348	458	333	259	179	95	95	101	481	263	308	3,352

Alternative 3 (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	547	751	859	803	778	711	654	687	718	801	793	684	7,484
20%	451	658	763	710	654	654	607	631	536	714	547	607	6,974
30%	428	570	717	634	580	597	541	594	471	585	506	544	6,432
40%	418	533	696	569	524	567	473	468	415	493	468	483	6,087
50%	375	477	629	501	480	531	433	386	336	400	428	441	5,749
60%	337	420	553	444	422	454	362	267	269	341	373	389	5,033
70%	279	392	505	366	394	378	290	206	139	287	285	343	4,293
80%	232	296	430	263	334	318	198	174	107	193	229	289	3,747
90%	170	259	307	167	242	241	161	130	88	108	145	213	2,892
Long Term													
Full Simulation Period[a]	362	480	593	494	484	489	415	395	353	435	429	442	5,371
Water Year Types[b]													
Wet (32%)	440	592	680	672	589	587	557	577	549	571	591	604	7,007
Above Normal (15%)	326	475	562	578	578	686	555	544	540	514	565	579	6,503
Below Normal (17%)	339	496	587	489	503	507	449	389	319	483	444	425	5,430
Dry (22%)	353	436	582	373	398	389	275	231	140	310	272	314	4,073
Critical (15%)	265	291	458	210	274	209	138	107	97	195	161	165	2,572

Alternative 3 (LLT) minus Existing Condition

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	-132	100	164	254	174	108	462	479	181	88	72	20	1,173
20%	-224	8	72	233	135	92	472	490	105	4	-172	-55	886
30%	-211	-79	102	211	121	65	419	481	146	-122	-211	-113	608
40%	-171	-69	131	151	93	113	364	366	110	-209	-242	-132	548
50%	-177	-61	107	106	93	125	331	289	70	-300	-277	-147	484
60%	-137	-78	61	53	55	110	266	175	60	-353	-325	-173	-55
70%	-162	-37	35	3	63	83	200	114	-44	-394	-395	-194	-506
80%	-145	-76	-6	-48	58	41	109	82	-59	-447	-322	-200	-793
90%	-128	-18	-73	-107	30	103	72	38	-7	-444	-123	-85	-571
Long Term													
Full Simulation Period[a]	-154	-25	55	86	87	86	291	261	64	-220	-191	-113	227
Water Year Types[b]													
Wet (32%)	-135	-10	134	199	72	32	387	375	109	-129	-114	-42	879
Above Normal (15%)	-190	-3	6	181	171	200	446	441	181	-141	-122	-34	1,137
Below Normal (17%)	-190	-31	17	102	118	81	345	287	64	-205	-216	-149	223
Dry (22%)	-121	-35	39	-14	74	128	173	122	-33	-370	-388	-221	-646
Critical (15%)	-168	-57	0	-123	15	30	43	12	-4	-286	-102	-142	-780

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-10-2-5. Total Delta Exports, Monthly Delivery Volume

Existing Condition

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	679	651	696	549	605	604	193	208	537	713	721	664	6,310
20%	674	650	691	476	519	562	135	141	431	710	718	663	6,088
30%	639	649	614	423	459	532	122	114	325	707	717	657	5,824
40%	589	602	566	418	431	454	110	102	305	703	710	616	5,540
50%	552	539	523	396	387	406	102	97	266	700	705	589	5,264
60%	474	498	492	391	367	344	96	92	209	694	698	562	5,088
70%	441	429	470	363	332	295	89	92	183	681	680	537	4,799
80%	377	372	436	311	276	277	89	92	166	639	551	489	4,541
90%	298	277	380	274	212	139	89	92	95	553	268	297	3,463
Long Term													
Full Simulation Period[a]	516	505	538	408	398	403	124	135	288	655	620	555	5,144
Water Year Types[b]													
Wet (32%)	575	602	545	473	516	555	169	203	440	700	705	646	6,128
Above Normal (15%)	516	478	555	396	406	487	108	103	359	656	687	613	5,366
Below Normal (17%)	530	527	570	386	385	426	103	102	256	688	660	574	5,208
Dry (22%)	475	471	544	387	323	261	102	109	173	680	660	535	4,719
Critical (15%)	433	348	458	333	259	179	95	95	101	481	263	308	3,352

Alternative 4 H1 (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	423	685	785	875	806	724	607	630	722	862	803	651	7,409
20%	389	613	685	775	660	656	579	582	639	795	732	606	6,690
30%	343	550	627	650	602	629	493	403	579	691	596	547	6,446
40%	292	516	586	527	564	586	386	275	509	587	533	492	5,970
50%	242	465	551	458	488	547	289	202	430	510	473	472	5,600
60%	214	421	512	392	452	467	227	173	325	395	398	415	4,794
70%	185	393	484	342	372	376	171	142	194	330	340	356	4,089
80%	167	318	394	212	308	314	133	130	133	258	257	308	3,650
90%	149	266	323	148	219	234	119	100	102	149	176	209	2,892
Long Term													
Full Simulation Period[a]	275	468	542	491	493	500	339	303	402	508	484	451	5,255
Water Year Types[b]													
Wet (32%)	336	547	650	692	621	618	496	477	579	650	625	599	6,890
Above Normal (15%)	241	464	519	577	593	630	460	386	575	625	651	565	6,284
Below Normal (17%)	248	498	574	410	542	570	303	250	432	570	521	454	5,372
Dry (22%)	271	425	488	343	363	390	206	177	201	413	339	340	3,955
Critical (15%)	213	331	376	287	255	198	119	96	110	152	185	177	2,500

Alternative 4 H1 (LLT) minus Existing Condition

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	-256	35	89	325	202	120	414	422	185	149	82	-13	1,099
20%	-285	-36	-5	298	141	94	444	441	209	84	14	-57	602
30%	-296	-98	13	226	144	97	371	290	254	-16	-122	-110	622
40%	-298	-86	21	109	133	133	276	173	204	-116	-177	-124	430
50%	-309	-74	28	62	100	141	187	105	164	-190	-232	-117	336
60%	-259	-77	20	0	85	123	131	80	116	-298	-300	-146	-294
70%	-256	-36	14	-21	40	80	82	50	10	-351	-340	-181	-710
80%	-210	-54	-43	-98	32	37	44	37	-33	-381	-294	-181	-890
90%	-149	-12	-58	-126	7	95	30	8	7	-404	-93	-88	-571
Long Term													
Full Simulation Period[a]	-241	-37	4	83	95	97	215	169	114	-147	-136	-104	112
Water Year Types[b]													
Wet (32%)	-239	-55	105	219	105	63	327	275	140	-50	-80	-47	762
Above Normal (15%)	-275	-15	-36	180	186	143	352	283	216	-31	-37	-48	918
Below Normal (17%)	-282	-29	4	24	157	144	200	148	177	-118	-140	-120	164
Dry (22%)	-204	-46	-56	-44	40	129	103	69	28	-267	-321	-196	-764
Critical (15%)	-220	-17	-82	-46	-4	19	24	1	9	-328	-78	-130	-852

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-10-2-6. Total Delta Exports, Monthly Delivery Volume

Existing Condition

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	679	651	696	549	605	604	193	208	537	713	721	664	6,310
20%	674	650	691	476	519	562	135	141	431	710	718	663	6,088
30%	639	649	614	423	459	532	122	114	325	707	717	657	5,824
40%	589	602	566	418	431	454	110	102	305	703	710	616	5,540
50%	552	539	523	396	387	406	102	97	266	700	705	589	5,264
60%	474	498	492	391	367	344	96	92	209	694	698	562	5,088
70%	441	429	470	363	332	295	89	92	183	681	680	537	4,799
80%	377	372	436	311	276	277	89	92	166	639	551	489	4,541
90%	298	277	380	274	212	139	89	92	95	553	268	297	3,463
Long Term													
Full Simulation Period[a]	516	505	538	408	398	403	124	135	288	655	620	555	5,144
Water Year Types[b]													
Wet (32%)	575	602	545	473	516	555	169	203	440	700	705	646	6,128
Above Normal (15%)	516	478	555	396	406	487	108	103	359	656	687	613	5,366
Below Normal (17%)	530	527	570	386	385	426	103	102	256	688	660	574	5,208
Dry (22%)	475	471	544	387	323	261	102	109	173	680	660	535	4,719
Critical (15%)	433	348	458	333	259	179	95	95	101	481	263	308	3,352

Alternative 4 H2 (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	463	658	867	873	804	699	589	604	568	750	705	652	6,994
20%	371	611	672	793	642	649	481	396	441	663	641	572	5,984
30%	288	553	625	653	606	574	388	211	367	560	581	515	5,409
40%	263	509	575	522	556	486	155	142	287	512	522	483	5,107
50%	236	475	516	446	491	352	108	109	209	446	493	448	4,778
60%	219	421	479	397	458	262	89	92	145	395	459	427	4,353
70%	198	389	438	325	357	99	89	92	126	315	371	388	4,023
80%	179	312	380	215	307	92	89	92	80	270	268	324	3,666
90%	155	269	319	147	218	92	89	77	64	97	175	206	2,576
Long Term													
Full Simulation Period[a]	272	467	531	491	484	377	241	223	266	448	466	444	4,710
Water Year Types[b]													
Wet (32%)	339	557	666	700	604	481	389	369	400	543	555	596	6,201
Above Normal (15%)	227	451	503	593	590	544	286	263	303	455	611	503	5,331
Below Normal (17%)	267	480	533	406	525	328	201	133	261	526	515	457	4,631
Dry (22%)	248	424	472	328	361	289	122	145	171	429	377	347	3,712
Critical (15%)	214	339	350	278	254	177	99	85	86	175	202	184	2,444

Alternative 4 H2 (LLT) minus Existing Condition

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	-216	7	171	324	200	95	396	396	31	37	-16	-12	684
20%	-304	-39	-19	316	123	87	345	255	11	-47	-78	-91	-103
30%	-351	-96	11	230	147	42	266	97	41	-147	-136	-142	-415
40%	-326	-93	10	104	125	32	46	40	-18	-190	-188	-133	-432
50%	-316	-63	-6	50	104	-55	6	12	-57	-254	-211	-141	-486
60%	-255	-77	-13	6	91	-82	-6	0	-64	-299	-239	-135	-735
70%	-243	-40	-32	-39	25	-197	0	0	-57	-366	-309	-149	-776
80%	-198	-60	-56	-96	30	-185	0	0	-86	-369	-283	-165	-875
90%	-143	-8	-62	-127	6	-47	0	-15	-31	-456	-93	-92	-887
Long Term													
Full Simulation Period[a]	-244	-38	-7	83	86	-26	117	88	-22	-206	-155	-111	-434
Water Year Types[b]													
Wet (32%)	-236	-45	121	227	88	-74	220	167	-39	-156	-150	-49	73
Above Normal (15%)	-289	-27	-52	197	183	57	178	160	-56	-201	-76	-110	-35
Below Normal (17%)	-263	-47	-37	20	140	-99	98	31	5	-162	-146	-118	-577
Dry (22%)	-227	-47	-72	-58	38	28	20	36	-2	-251	-283	-188	-1,007
Critical (15%)	-219	-8	-108	-55	-4	-2	4	-10	-15	-305	-61	-124	-908

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-10-2-7. Total Delta Exports, Monthly Delivery Volume

Existing Condition

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	679	651	696	549	605	604	193	208	537	713	721	664	6,310
20%	674	650	691	476	519	562	135	141	431	710	718	663	6,088
30%	639	649	614	423	459	532	122	114	325	707	717	657	5,824
40%	589	602	566	418	431	454	110	102	305	703	710	616	5,540
50%	552	539	523	396	387	406	102	97	266	700	705	589	5,264
60%	474	498	492	391	367	344	96	92	209	694	698	562	5,088
70%	441	429	470	363	332	295	89	92	183	681	680	537	4,799
80%	377	372	436	311	276	277	89	92	166	639	551	489	4,541
90%	298	277	380	274	212	139	89	92	95	553	268	297	3,463
Long Term													
Full Simulation Period[a]	516	505	538	408	398	403	124	135	288	655	620	555	5,144
Water Year Types[b]													
Wet (32%)	575	602	545	473	516	555	169	203	440	700	705	646	6,128
Above Normal (15%)	516	478	555	396	406	487	108	103	359	656	687	613	5,366
Below Normal (17%)	530	527	570	386	385	426	103	102	256	688	660	574	5,208
Dry (22%)	475	471	544	387	323	261	102	109	173	680	660	535	4,719
Critical (15%)	433	348	458	333	259	179	95	95	101	481	263	308	3,352

Alternative 4 H3 (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	387	619	782	885	807	753	630	645	724	858	817	502	7,095
20%	300	528	669	783	656	671	591	581	652	781	727	419	6,458
30%	257	402	636	650	629	644	493	445	611	692	586	396	5,943
40%	236	345	621	520	597	600	386	277	526	578	538	364	5,576
50%	212	285	576	452	490	541	304	206	424	530	458	342	5,151
60%	198	253	515	397	455	460	227	153	286	415	402	290	4,603
70%	175	155	461	313	386	367	176	135	184	321	323	258	3,904
80%	166	112	387	202	313	316	134	126	134	268	246	219	3,275
90%	137	80	318	146	219	206	119	97	103	149	184	192	2,776
Long Term													
Full Simulation Period[a]	236	316	544	482	501	504	340	304	403	506	477	332	4,945
Water Year Types[b]													
Wet (32%)	285	356	648	695	649	649	503	482	591	655	632	352	6,497
Above Normal (15%)	223	310	534	557	602	622	450	398	579	630	644	383	5,933
Below Normal (17%)	187	320	566	399	523	545	310	244	411	586	522	417	5,029
Dry (22%)	242	303	487	328	365	394	205	171	207	372	309	316	3,700
Critical (15%)	187	253	389	274	257	190	118	97	106	165	173	159	2,366

Alternative 4 H3 (LLT) minus Existing Condition

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	-292	-31	86	336	202	149	437	437	186	145	96	-162	785
20%	-374	-122	-22	307	137	109	456	440	221	70	8	-244	370
30%	-382	-247	22	226	171	113	371	331	286	-15	-132	-261	119
40%	-353	-257	56	102	166	146	277	175	222	-124	-172	-251	37
50%	-340	-253	53	57	103	135	202	110	158	-170	-247	-247	-113
60%	-276	-245	23	5	88	116	131	61	78	-278	-296	-272	-485
70%	-267	-274	-8	-50	55	71	87	42	1	-360	-357	-279	-896
80%	-212	-260	-50	-109	37	39	44	34	-31	-372	-304	-270	-1,266
90%	-161	-197	-62	-128	7	67	29	5	8	-403	-84	-105	-687
Long Term													
Full Simulation Period[a]	-280	-189	6	75	103	100	217	170	115	-149	-143	-223	-199
Water Year Types[b]													
Wet (32%)	-289	-246	103	222	133	94	333	279	151	-45	-73	-294	369
Above Normal (15%)	-293	-168	-21	160	195	135	342	295	220	-26	-43	-230	567
Below Normal (17%)	-343	-207	-4	12	138	118	207	142	155	-102	-138	-157	-178
Dry (22%)	-233	-168	-56	-58	41	133	103	63	34	-308	-351	-219	-1,019
Critical (15%)	-247	-95	-69	-59	-2	11	23	2	6	-316	-90	-149	-986

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-10-2-8. Total Delta Exports, Monthly Delivery Volume

Existing Condition

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	679	651	696	549	605	604	193	208	537	713	721	664	6,310
20%	674	650	691	476	519	562	135	141	431	710	718	663	6,088
30%	639	649	614	423	459	532	122	114	325	707	717	657	5,824
40%	589	602	566	418	431	454	110	102	305	703	710	616	5,540
50%	552	539	523	396	387	406	102	97	266	700	705	589	5,264
60%	474	498	492	391	367	344	96	92	209	694	698	562	5,088
70%	441	429	470	363	332	295	89	92	183	681	680	537	4,799
80%	377	372	436	311	276	277	89	92	166	639	551	489	4,541
90%	298	277	380	274	212	139	89	92	95	553	268	297	3,463
Long Term													
Full Simulation Period[a]	516	505	538	408	398	403	124	135	288	655	620	555	5,144
Water Year Types[b]													
Wet (32%)	575	602	545	473	516	555	169	203	440	700	705	646	6,128
Above Normal (15%)	516	478	555	396	406	487	108	103	359	656	687	613	5,366
Below Normal (17%)	530	527	570	386	385	426	103	102	256	688	660	574	5,208
Dry (22%)	475	471	544	387	323	261	102	109	173	680	660	535	4,719
Critical (15%)	433	348	458	333	259	179	95	95	101	481	263	308	3,352

Alternative 4 H4 (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	361	637	859	890	806	748	593	637	555	739	678	479	6,623
20%	276	522	665	785	657	650	508	380	453	605	612	438	5,600
30%	249	410	627	650	613	578	389	178	370	541	552	400	5,088
40%	240	327	583	520	593	475	149	133	297	486	526	375	4,771
50%	218	285	548	437	489	339	102	94	205	437	503	348	4,373
60%	194	226	492	391	439	231	89	92	146	390	439	333	3,953
70%	180	142	443	301	329	98	89	92	132	327	383	280	3,612
80%	171	110	385	204	287	92	89	92	75	251	260	241	3,252
90%	145	67	325	144	212	92	87	78	61	124	199	208	2,566
Long Term													
Full Simulation Period[a]	233	318	540	483	484	385	243	218	267	439	460	343	4,414
Water Year Types[b]													
Wet (32%)	270	377	663	691	618	527	403	364	410	566	558	378	5,824
Above Normal (15%)	218	323	528	588	601	531	286	264	313	444	571	368	5,035
Below Normal (17%)	205	301	556	389	504	303	195	129	281	515	502	404	4,285
Dry (22%)	227	293	469	331	353	286	119	133	140	371	377	340	3,439
Critical (15%)	206	243	375	266	251	178	95	86	85	175	210	177	2,347

Alternative 4 H4 (LLT) minus Existing Condition

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	-318	-14	163	340	202	144	400	430	17	26	-43	-185	313
20%	-398	-127	-26	309	138	88	373	239	23	-105	-107	-225	-488
30%	-390	-239	13	226	155	46	267	65	45	-166	-166	-257	-736
40%	-349	-275	17	102	162	21	40	31	-8	-217	-184	-241	-769
50%	-334	-253	26	41	102	-67	0	-3	-61	-263	-201	-241	-891
60%	-280	-272	0	0	73	-113	-6	0	-63	-304	-259	-228	-1,135
70%	-262	-287	-27	-62	-3	-197	0	0	-52	-354	-297	-257	-1,187
80%	-207	-262	-51	-106	10	-185	0	0	-91	-388	-291	-248	-1,288
90%	-153	-210	-55	-130	0	-47	-3	-14	-34	-429	-69	-89	-897
Long Term													
Full Simulation Period[a]	-283	-187	2	76	86	-18	120	83	-21	-215	-161	-212	-730
Water Year Types[b]													
Wet (32%)	-304	-225	118	218	102	-28	234	161	-30	-134	-147	-268	-304
Above Normal (15%)	-298	-156	-27	192	194	44	178	161	-46	-212	-116	-245	-331
Below Normal (17%)	-325	-226	-14	3	119	-123	92	26	26	-173	-159	-171	-923
Dry (22%)	-248	-178	-75	-55	30	25	17	25	-33	-309	-283	-196	-1,280
Critical (15%)	-228	-105	-84	-67	-7	-1	0	-9	-15	-305	-53	-131	-1,004

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-10-2-9. Total Delta Exports, Monthly Delivery Volume

Existing Condition

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	679	651	696	549	605	604	193	208	537	713	721	664	6,310
20%	674	650	691	476	519	562	135	141	431	710	718	663	6,088
30%	639	649	614	423	459	532	122	114	325	707	717	657	5,824
40%	589	602	566	418	431	454	110	102	305	703	710	616	5,540
50%	552	539	523	396	387	406	102	97	266	700	705	589	5,264
60%	474	498	492	391	367	344	96	92	209	694	698	562	5,088
70%	441	429	470	363	332	295	89	92	183	681	680	537	4,799
80%	377	372	436	311	276	277	89	92	166	639	551	489	4,541
90%	298	277	380	274	212	139	89	92	95	553	268	297	3,463
Long Term													
Full Simulation Period[a]	516	505	538	408	398	403	124	135	288	655	620	555	5,144
Water Year Types[b]													
Wet (32%)	575	602	545	473	516	555	169	203	440	700	705	646	6,128
Above Normal (15%)	516	478	555	396	406	487	108	103	359	656	687	613	5,366
Below Normal (17%)	530	527	570	386	385	426	103	102	256	688	660	574	5,208
Dry (22%)	475	471	544	387	323	261	102	109	173	680	660	535	4,719
Critical (15%)	433	348	458	333	259	179	95	95	101	481	263	308	3,352

Alternative 5 (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	399	625	768	678	717	797	392	382	577	847	877	428	6,402
20%	367	529	732	593	628	714	321	306	515	814	745	377	5,839
30%	341	383	689	532	548	595	299	277	492	744	687	345	5,608
40%	304	311	670	510	502	573	279	238	395	701	629	317	5,450
50%	279	274	619	476	452	473	257	196	374	620	549	300	5,107
60%	250	212	572	434	399	396	206	168	339	584	423	242	4,541
70%	210	139	514	416	363	354	166	140	192	518	280	217	3,973
80%	182	114	457	347	320	257	147	127	118	401	184	165	3,580
90%	128	95	316	185	222	216	113	110	97	146	138	89	2,570
Long Term													
Full Simulation Period[a]	284	313	577	465	460	487	246	231	352	583	501	288	4,786
Water Year Types[b]													
Wet (32%)	353	366	640	623	615	680	332	345	538	717	664	311	6,185
Above Normal (15%)	266	332	577	515	500	598	277	257	451	630	727	285	5,414
Below Normal (17%)	254	309	577	418	435	505	243	197	346	702	568	375	4,930
Dry (22%)	265	278	609	379	352	323	188	167	194	516	294	279	3,844
Critical (15%)	218	236	391	253	276	182	115	94	94	204	154	155	2,374

Alternative 5 (LLT) minus Existing Condition

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	-280	-26	72	129	112	193	199	174	40	134	156	-235	92
20%	-307	-120	41	117	109	152	186	165	84	104	26	-286	-249
30%	-298	-266	74	109	90	64	177	163	167	37	-30	-312	-216
40%	-285	-291	104	92	71	119	170	136	90	-1	-81	-298	-89
50%	-273	-265	97	80	65	67	155	99	108	-80	-155	-289	-157
60%	-224	-286	80	43	32	52	110	76	130	-110	-275	-320	-547
70%	-232	-290	44	53	32	59	77	48	9	-163	-400	-320	-826
80%	-195	-258	21	36	44	-21	58	35	-48	-239	-367	-324	-961
90%	-170	-183	-65	-89	10	77	24	18	2	-407	-130	-208	-894
Long Term													
Full Simulation Period[a]	-232	-192	39	57	62	83	122	96	64	-72	-119	-267	-358
Water Year Types[b]													
Wet (32%)	-222	-236	95	150	99	125	163	142	98	18	-40	-335	57
Above Normal (15%)	-250	-147	22	118	93	111	168	154	92	-25	40	-328	48
Below Normal (17%)	-275	-218	8	32	50	79	140	95	90	14	-92	-200	-278
Dry (22%)	-210	-193	65	-8	29	62	86	59	21	-164	-366	-257	-875
Critical (15%)	-215	-112	-67	-79	17	3	20	-1	-6	-276	-109	-152	-978

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-10-2-10. Total Delta Exports, Monthly Delivery Volume

Existing Condition

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	679	651	696	549	605	604	193	208	537	713	721	664	6,310
20%	674	650	691	476	519	562	135	141	431	710	718	663	6,088
30%	639	649	614	423	459	532	122	114	325	707	717	657	5,824
40%	589	602	566	418	431	454	110	102	305	703	710	616	5,540
50%	552	539	523	396	387	406	102	97	266	700	705	589	5,264
60%	474	498	492	391	367	344	96	92	209	694	698	562	5,088
70%	441	429	470	363	332	295	89	92	183	681	680	537	4,799
80%	377	372	436	311	276	277	89	92	166	639	551	489	4,541
90%	298	277	380	274	212	139	89	92	95	553	268	297	3,463
Long Term													
Full Simulation Period[a]	516	505	538	408	398	403	124	135	288	655	620	555	5,144
Water Year Types[b]													
Wet (32%)	575	602	545	473	516	555	169	203	440	700	705	646	6,128
Above Normal (15%)	516	478	555	396	406	487	108	103	359	656	687	613	5,366
Below Normal (17%)	530	527	570	386	385	426	103	102	256	688	660	574	5,208
Dry (22%)	475	471	544	387	323	261	102	109	173	680	660	535	4,719
Critical (15%)	433	348	458	333	259	179	95	95	101	481	263	308	3,352

Alternative 6A,6B,6C (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	341	376	546	892	807	809	714	721	635	818	601	410	6,261
20%	304	297	284	879	806	728	593	590	453	687	492	390	5,600
30%	256	221	102	674	760	646	487	264	266	634	447	368	5,105
40%	245	169	83	385	581	571	271	117	190	546	405	346	4,455
50%	205	134	63	161	522	465	190	85	92	490	372	320	3,674
60%	173	125	50	106	280	319	93	72	49	435	342	287	2,776
70%	157	115	43	60	104	203	42	58	43	389	295	242	2,245
80%	130	89	37	52	61	91	37	42	39	358	236	195	1,868
90%	72	77	31	45	42	42	35	38	35	261	191	152	1,461
Long Term													
Full Simulation Period[a]	210	195	165	370	440	436	286	247	220	509	384	295	3,758
Water Year Types[b]													
Wet (32%)	248	260	349	708	739	679	520	503	409	564	479	354	5,811
Above Normal (15%)	181	184	136	511	654	699	433	306	338	582	448	390	4,862
Below Normal (17%)	204	188	80	194	379	352	198	112	152	634	467	350	3,311
Dry (22%)	203	179	69	122	170	222	85	67	47	427	300	236	2,127
Critical (15%)	175	96	38	73	56	67	36	60	34	296	146	97	1,173

Alternative 6A,6B,6C (LLT) minus Existing Condition

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	-338	-275	-149	343	203	206	521	513	98	105	-120	-254	-49
20%	-370	-353	-407	402	287	167	457	449	23	-24	-226	-273	-487
30%	-382	-428	-513	251	301	114	365	150	-59	-73	-271	-289	-718
40%	-344	-433	-483	-33	150	117	162	15	-115	-156	-306	-269	-1,085
50%	-346	-405	-460	-235	134	59	88	-12	-174	-210	-333	-268	-1,590
60%	-301	-373	-442	-285	-87	-25	-2	-20	-160	-259	-356	-275	-2,312
70%	-284	-314	-426	-303	-228	-92	-47	-34	-140	-292	-385	-296	-2,555
80%	-247	-283	-399	-259	-216	-186	-52	-50	-126	-281	-315	-294	-2,673
90%	-226	-200	-349	-229	-170	-97	-54	-55	-60	-291	-77	-146	-2,002
Long Term													
Full Simulation Period[a]	-306	-310	-373	-38	43	33	163	112	-68	-145	-236	-260	-1,386
Water Year Types[b]													
Wet (32%)	-326	-342	-197	235	223	123	351	300	-31	-135	-226	-292	-317
Above Normal (15%)	-335	-294	-420	115	248	212	325	203	-21	-74	-239	-223	-503
Below Normal (17%)	-326	-338	-490	-192	-6	-74	95	10	-103	-54	-193	-224	-1,896
Dry (22%)	-272	-292	-475	-264	-153	-39	-18	-42	-126	-253	-359	-299	-2,592
Critical (15%)	-259	-252	-420	-260	-203	-112	-59	-35	-66	-184	-117	-210	-2,178

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-10-2-11. Total Delta Exports, Monthly Delivery Volume

Existing Condition

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	679	651	696	549	605	604	193	208	537	713	721	664	6,310
20%	674	650	691	476	519	562	135	141	431	710	718	663	6,088
30%	639	649	614	423	459	532	122	114	325	707	717	657	5,824
40%	589	602	566	418	431	454	110	102	305	703	710	616	5,540
50%	552	539	523	396	387	406	102	97	266	700	705	589	5,264
60%	474	498	492	391	367	344	96	92	209	694	698	562	5,088
70%	441	429	470	363	332	295	89	92	183	681	680	537	4,799
80%	377	372	436	311	276	277	89	92	166	639	551	489	4,541
90%	298	277	380	274	212	139	89	92	95	553	268	297	3,463
Long Term													
Full Simulation Period[a]	516	505	538	408	398	403	124	135	288	655	620	555	5,144
Water Year Types[b]													
Wet (32%)	575	602	545	473	516	555	169	203	440	700	705	646	6,128
Above Normal (15%)	516	478	555	396	406	487	108	103	359	656	687	613	5,366
Below Normal (17%)	530	527	570	386	385	426	103	102	256	688	660	574	5,208
Dry (22%)	475	471	544	387	323	261	102	109	173	680	660	535	4,719
Critical (15%)	433	348	458	333	259	179	95	95	101	481	263	308	3,352

Alternative 7 (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	365	357	478	752	806	850	536	553	491	868	834	468	6,019
20%	304	280	281	618	674	709	536	506	443	810	712	419	5,393
30%	265	206	108	510	582	599	408	266	360	760	636	375	5,068
40%	245	146	74	309	498	533	247	112	282	708	534	353	4,712
50%	201	132	54	182	387	406	127	91	178	655	476	324	3,700
60%	185	116	43	114	230	249	57	75	39	603	445	302	2,868
70%	161	102	37	63	121	154	34	57	35	432	359	270	2,265
80%	156	86	31	49	55	81	31	36	35	383	296	239	1,951
90%	72	65	26	40	37	36	28	31	34	332	252	209	1,605
Long Term													
Full Simulation Period[a]	218	174	154	316	381	407	230	202	225	609	506	332	3,754
Water Year Types[b]													
Wet (32%)	257	217	329	595	648	689	428	393	423	708	633	352	5,673
Above Normal (15%)	185	159	117	434	517	599	350	282	364	675	643	353	4,675
Below Normal (17%)	207	183	81	183	352	328	153	87	137	718	591	423	3,442
Dry (22%)	215	168	63	106	146	167	58	52	43	532	344	321	2,213
Critical (15%)	181	90	32	64	52	57	31	71	36	319	238	181	1,353

Alternative 7 (LLT) minus Existing Condition

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	-314	-293	-218	203	201	247	343	345	-47	155	113	-196	-292
20%	-370	-370	-409	142	155	147	400	365	12	99	-7	-244	-694
30%	-374	-442	-506	87	123	67	285	152	34	53	-81	-282	-755
40%	-344	-456	-491	-109	67	79	138	10	-23	6	-176	-263	-828
50%	-350	-407	-469	-213	0	0	25	-6	-88	-45	-229	-265	-1,564
60%	-289	-382	-449	-277	-137	-95	-39	-17	-170	-90	-253	-259	-2,220
70%	-280	-327	-433	-301	-210	-141	-55	-35	-148	-249	-321	-267	-2,535
80%	-222	-286	-405	-262	-221	-196	-58	-57	-131	-256	-255	-250	-2,590
90%	-226	-212	-354	-234	-176	-103	-61	-61	-61	-221	-17	-88	-1,858
Long Term													
Full Simulation Period[a]	-298	-332	-384	-91	-17	3	107	68	-63	-45	-114	-223	-1,389
Water Year Types[b]													
Wet (32%)	-317	-385	-216	122	131	134	259	190	-17	9	-72	-294	-455
Above Normal (15%)	-331	-320	-439	38	110	112	242	179	5	19	-45	-260	-690
Below Normal (17%)	-323	-343	-489	-203	-33	-99	50	-16	-119	30	-70	-151	-1,766
Dry (22%)	-260	-303	-481	-280	-178	-94	-44	-57	-130	-148	-315	-215	-2,506
Critical (15%)	-252	-257	-426	-268	-207	-122	-64	-24	-65	-161	-25	-127	-1,999

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-10-2-12. Total Delta Exports, Monthly Delivery Volume

Existing Condition

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	679	651	696	549	605	604	193	208	537	713	721	664	6,310
20%	674	650	691	476	519	562	135	141	431	710	718	663	6,088
30%	639	649	614	423	459	532	122	114	325	707	717	657	5,824
40%	589	602	566	418	431	454	110	102	305	703	710	616	5,540
50%	552	539	523	396	387	406	102	97	266	700	705	589	5,264
60%	474	498	492	391	367	344	96	92	209	694	698	562	5,088
70%	441	429	470	363	332	295	89	92	183	681	680	537	4,799
80%	377	372	436	311	276	277	89	92	166	639	551	489	4,541
90%	298	277	380	274	212	139	89	92	95	553	268	297	3,463
Long Term													
Full Simulation Period[a]	516	505	538	408	398	403	124	135	288	655	620	555	5,144
Water Year Types[b]													
Wet (32%)	575	602	545	473	516	555	169	203	440	700	705	646	6,128
Above Normal (15%)	516	478	555	396	406	487	108	103	359	656	687	613	5,366
Below Normal (17%)	530	527	570	386	385	426	103	102	256	688	660	574	5,208
Dry (22%)	475	471	544	387	323	261	102	109	173	680	660	535	4,719
Critical (15%)	433	348	458	333	259	179	95	95	101	481	263	308	3,352

Alternative 8 (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	160	298	523	753	806	883	536	553	477	415	431	348	5,169
20%	151	211	265	624	682	729	536	553	384	247	393	302	4,623
30%	137	144	106	537	591	624	536	486	276	241	365	268	4,047
40%	113	90	76	375	511	553	476	386	178	228	341	218	3,624
50%	86	71	51	205	411	468	337	199	64	218	318	181	3,082
60%	68	65	43	135	286	343	243	109	45	206	303	169	2,157
70%	65	55	36	74	177	238	116	78	33	190	267	104	1,836
80%	25	48	30	52	76	114	78	66	31	93	242	66	1,669
90%	10	20	25	41	40	46	36	57	28	68	204	65	1,159
Long Term													
Full Simulation Period[a]	102	124	158	332	401	446	315	279	186	240	319	197	3,098
Water Year Types[b]													
Wet (32%)	155	170	337	610	669	711	485	476	388	332	424	105	4,863
Above Normal (15%)	107	146	115	451	526	600	452	403	230	148	348	173	3,699
Below Normal (17%)	77	112	98	212	356	411	333	239	102	187	291	339	2,757
Dry (22%)	77	109	61	119	195	237	146	83	33	225	267	267	1,820
Critical (15%)	50	37	30	70	55	71	41	70	30	217	173	147	990

Alternative 8 (LLT) minus Existing Condition

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	-519	-353	-173	204	201	279	343	345	-61	-298	-290	-316	-1,141
20%	-524	-439	-426	148	164	168	400	412	-46	-464	-325	-361	-1,465
30%	-502	-504	-508	114	133	92	413	372	-49	-467	-352	-389	-1,777
40%	-476	-512	-490	-43	80	99	366	284	-127	-475	-369	-398	-1,915
50%	-465	-467	-472	-191	23	62	235	103	-202	-482	-387	-407	-2,183
60%	-406	-433	-450	-256	-80	-1	147	16	-163	-487	-395	-392	-2,930
70%	-376	-374	-434	-289	-155	-58	27	-14	-151	-491	-413	-433	-2,963
80%	-352	-324	-406	-258	-201	-163	-11	-26	-135	-547	-309	-423	-2,872
90%	-288	-258	-355	-234	-172	-93	-53	-36	-67	-485	-64	-232	-2,304
Long Term													
Full Simulation Period[a]	-414	-381	-380	-76	3	42	191	145	-103	-415	-301	-358	-2,046
Water Year Types[b]													
Wet (32%)	-420	-432	-208	137	153	155	316	273	-52	-367	-281	-540	-1,265
Above Normal (15%)	-409	-332	-440	54	119	113	344	300	-129	-508	-339	-440	-1,667
Below Normal (17%)	-453	-414	-472	-175	-29	-15	229	137	-153	-501	-370	-235	-2,451
Dry (22%)	-398	-362	-483	-268	-128	-24	44	-25	-140	-455	-392	-268	-2,899
Critical (15%)	-384	-311	-428	-263	-203	-108	-54	-25	-71	-263	-90	-160	-2,361

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-10-2-13. Total Delta Exports, Monthly Delivery Volume

Existing Condition

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	679	651	696	549	605	604	193	208	537	713	721	664	6,310
20%	674	650	691	476	519	562	135	141	431	710	718	663	6,088
30%	639	649	614	423	459	532	122	114	325	707	717	657	5,824
40%	589	602	566	418	431	454	110	102	305	703	710	616	5,540
50%	552	539	523	396	387	406	102	97	266	700	705	589	5,264
60%	474	498	492	391	367	344	96	92	209	694	698	562	5,088
70%	441	429	470	363	332	295	89	92	183	681	680	537	4,799
80%	377	372	436	311	276	277	89	92	166	639	551	489	4,541
90%	298	277	380	274	212	139	89	92	95	553	268	297	3,463
Long Term													
Full Simulation Period[a]	516	505	538	408	398	403	124	135	288	655	620	555	5,144
Water Year Types[b]													
Wet (32%)	575	602	545	473	516	555	169	203	440	700	705	646	6,128
Above Normal (15%)	516	478	555	396	406	487	108	103	359	656	687	613	5,366
Below Normal (17%)	530	527	570	386	385	426	103	102	256	688	660	574	5,208
Dry (22%)	475	471	544	387	323	261	102	109	173	680	660	535	4,719
Critical (15%)	433	348	458	333	259	179	95	95	101	481	263	308	3,352

Alternative 9 (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	530	671	694	335	566	658	298	307	298	714	724	671	5,680
20%	428	618	694	317	306	324	298	307	298	714	724	653	5,276
30%	376	449	678	311	283	307	298	265	298	709	722	604	4,996
40%	342	393	643	310	278	307	298	215	208	697	708	559	4,709
50%	326	367	510	308	278	305	208	209	208	670	649	440	4,497
60%	314	337	383	306	271	222	206	206	204	626	600	383	4,245
70%	267	304	368	292	199	215	161	149	167	546	466	327	3,794
80%	239	284	361	222	166	174	89	86	89	474	326	276	3,472
90%	180	249	358	194	130	92	80	81	74	180	126	224	2,904
Long Term													
Full Simulation Period[a]	341	404	524	313	292	303	217	215	216	566	535	454	4,377
Water Year Types[b]													
Wet (32%)	384	458	489	370	429	471	304	325	328	647	702	556	5,463
Above Normal (15%)	313	406	550	274	244	335	280	246	258	692	709	563	4,871
Below Normal (17%)	326	412	551	272	253	272	224	191	183	624	607	535	4,448
Dry (22%)	335	378	580	301	217	179	132	144	144	521	386	323	3,641
Critical (15%)	300	317	455	293	199	128	83	80	76	262	140	224	2,556

Alternative 9 (LLT) minus Existing Condition

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	-149	21	-2	-215	-38	55	105	100	-240	1	3	7	-630
20%	-246	-32	3	-160	-212	-238	162	166	-133	3	6	-9	-811
30%	-263	-200	64	-112	-176	-224	175	151	-28	1	5	-53	-827
40%	-247	-209	77	-108	-153	-146	188	113	-97	-5	-2	-56	-830
50%	-226	-172	-13	-88	-110	-101	106	113	-58	-30	-56	-149	-767
60%	-159	-161	-109	-85	-96	-122	111	114	-5	-68	-98	-179	-843
70%	-175	-125	-102	-71	-132	-80	72	57	-17	-135	-214	-210	-1,006
80%	-139	-88	-75	-89	-110	-103	0	-6	-77	-165	-225	-213	-1,068
90%	-118	-28	-23	-81	-82	-47	-9	-11	-21	-372	-143	-73	-559
Long Term													
Full Simulation Period[a]	-175	-101	-14	-95	-106	-101	93	81	-73	-89	-85	-101	-766
Water Year Types[b]													
Wet (32%)	-191	-144	-56	-103	-88	-84	134	123	-111	-53	-3	-90	-665
Above Normal (15%)	-203	-72	-6	-122	-162	-151	172	143	-101	37	22	-50	-495
Below Normal (17%)	-204	-114	-19	-115	-132	-155	120	88	-73	-64	-53	-40	-760
Dry (22%)	-140	-93	36	-85	-106	-82	30	35	-29	-159	-274	-212	-1,078
Critical (15%)	-134	-31	-4	-39	-60	-51	-12	-15	-24	-218	-123	-84	-796

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-10-2-14. Total Delta Exports, Monthly Delivery Volume

No Action Alternative (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	408	671	720	586	581	644	214	207	366	714	724	671	5,728
20%	382	493	673	475	513	566	146	151	334	703	724	660	5,354
30%	355	424	642	422	467	503	133	121	303	667	717	560	5,075
40%	331	378	557	415	406	443	123	110	244	641	703	533	4,832
50%	308	336	505	400	369	400	109	104	211	598	680	452	4,605
60%	284	303	485	380	347	323	102	99	178	542	592	390	4,331
70%	259	289	446	336	306	281	95	92	142	508	488	334	3,851
80%	225	266	380	302	252	198	89	92	97	360	403	285	3,592
90%	157	200	254	276	188	132	81	92	88	225	212	258	2,861
Long Term													
Full Simulation Period[a]	304	378	514	403	386	394	133	142	234	538	558	457	4,441
Water Year Types[b]													
Wet (32%)	353	446	558	488	526	576	179	210	367	601	708	521	5,533
Above Normal (15%)	246	398	557	406	404	473	124	116	293	502	719	593	4,830
Below Normal (17%)	327	369	543	353	361	395	126	120	202	617	602	552	4,565
Dry (22%)	281	333	527	387	290	239	110	114	125	578	455	340	3,778
Critical (15%)	261	287	322	301	243	151	84	85	91	285	175	248	2,532

Alternative 1A,1B,1C (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	547	746	891	890	801	725	640	750	736	799	794	632	7,587
20%	470	669	809	860	719	620	606	680	594	679	548	602	7,102
30%	428	584	751	699	638	596	545	604	504	548	485	537	6,410
40%	407	529	721	616	577	572	484	516	439	429	462	481	6,164
50%	387	480	645	520	510	542	442	379	362	371	406	460	5,701
60%	361	418	571	445	470	444	388	264	300	331	360	412	5,118
70%	286	391	508	365	395	402	316	209	156	274	283	362	4,327
80%	236	290	406	258	336	346	225	180	127	172	217	275	3,928
90%	174	259	286	131	267	216	165	132	105	109	144	183	2,859
Long Term													
Full Simulation Period[a]	368	481	609	523	512	489	421	412	375	410	420	436	5,456
Water Year Types[b]													
Wet (32%)	442	601	713	716	581	568	550	605	563	560	584	590	7,072
Above Normal (15%)	331	475	582	653	645	694	547	578	580	494	560	555	6,693
Below Normal (17%)	341	500	595	489	541	507	466	415	357	415	398	436	5,460
Dry (22%)	361	422	585	386	443	413	301	226	162	303	283	325	4,210
Critical (15%)	288	291	461	222	302	207	141	105	103	154	158	152	2,583

Alternative 1A,1B,1C (LLT) minus No Action Alternative (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	139	74	171	304	220	81	426	543	370	85	70	-40	1,859
20%	87	176	136	384	207	54	459	530	260	-23	-177	-58	1,748
30%	73	160	109	278	171	93	412	483	201	-119	-232	-23	1,335
40%	76	152	164	201	171	130	361	406	195	-212	-242	-52	1,332
50%	79	144	140	120	141	142	333	275	151	-228	-274	8	1,097
60%	77	115	86	65	122	122	286	165	122	-212	-231	22	787
70%	27	102	62	29	89	121	221	117	14	-234	-205	28	475
80%	11	24	27	-44	85	148	136	88	29	-188	-186	-11	337
90%	17	60	32	-145	79	84	84	40	17	-116	-69	-75	-2
Long Term													
Full Simulation Period[a]	64	103	95	120	126	95	288	270	141	-128	-138	-21	1,016
Water Year Types[b]													
Wet (32%)	88	155	156	228	55	-8	370	394	196	-42	-124	69	1,538
Above Normal (15%)	84	78	25	247	242	221	423	461	287	-8	-159	-38	1,863
Below Normal (17%)	14	131	52	136	181	112	340	295	156	-202	-204	-116	895
Dry (22%)	80	90	57	-1	153	174	191	112	37	-275	-172	-14	432
Critical (15%)	27	5	139	-79	59	56	58	21	12	-130	-18	-95	52

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-10-2-15. Total Delta Exports, Monthly Delivery Volume

No Action Alternative (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	408	671	720	586	581	644	214	207	366	714	724	671	5,728
20%	382	493	673	475	513	566	146	151	334	703	724	660	5,354
30%	355	424	642	422	467	503	133	121	303	667	717	560	5,075
40%	331	378	557	415	406	443	123	110	244	641	703	533	4,832
50%	308	336	505	400	369	400	109	104	211	598	680	452	4,605
60%	284	303	485	380	347	323	102	99	178	542	592	390	4,331
70%	259	289	446	336	306	281	95	92	142	508	488	334	3,851
80%	225	266	380	302	252	198	89	92	97	360	403	285	3,592
90%	157	200	254	276	188	132	81	92	88	225	212	258	2,861
Long Term													
Full Simulation Period[a]	304	378	514	403	386	394	133	142	234	538	558	457	4,441
Water Year Types[b]													
Wet (32%)	353	446	558	488	526	576	179	210	367	601	708	521	5,533
Above Normal (15%)	246	398	557	406	404	473	124	116	293	502	719	593	4,830
Below Normal (17%)	327	369	543	353	361	395	126	120	202	617	602	552	4,565
Dry (22%)	281	333	527	387	290	239	110	114	125	578	455	340	3,778
Critical (15%)	261	287	322	301	243	151	84	85	91	285	175	248	2,532

Alternative 2A,2B,2C (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	378	645	869	893	808	819	651	748	803	819	795	448	7,426
20%	300	511	678	888	806	720	604	668	738	741	633	411	6,804
30%	266	421	642	741	684	666	510	491	639	600	559	395	6,150
40%	234	337	632	564	632	613	393	328	538	535	507	376	5,718
50%	213	283	586	446	547	570	313	214	415	469	459	352	5,205
60%	192	253	529	392	460	483	227	155	276	404	390	288	4,599
70%	182	139	483	312	396	379	177	140	151	335	321	253	3,935
80%	165	110	427	208	310	316	136	128	134	290	257	226	3,329
90%	136	66	330	146	231	204	121	100	108	143	167	195	2,605
Long Term													
Full Simulation Period[a]	237	322	563	508	526	527	358	341	426	478	455	327	5,068
Water Year Types[b]													
Wet (32%)	288	378	671	754	670	663	530	549	628	600	603	350	6,683
Above Normal (15%)	228	323	548	590	629	700	478	460	672	590	596	382	6,196
Below Normal (17%)	192	313	582	419	578	537	325	263	411	556	496	396	5,067
Dry (22%)	235	299	511	340	392	428	212	185	193	360	297	318	3,770
Critical (15%)	192	248	396	248	253	197	122	97	109	188	184	155	2,389

Alternative 2A,2B,2C (LLT) minus No Action Alternative (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	-30	-26	150	307	227	175	437	541	437	105	71	-223	1,699
20%	-82	18	5	413	293	154	458	518	404	39	-92	-249	1,450
30%	-88	-3	0	319	217	163	378	370	337	-67	-158	-165	1,075
40%	-97	-41	75	149	227	170	270	218	294	-106	-196	-157	886
50%	-96	-52	81	46	178	170	205	110	204	-129	-221	-100	600
60%	-91	-49	44	12	113	161	125	56	98	-138	-202	-102	268
70%	-77	-151	37	-24	90	99	82	47	8	-174	-167	-81	84
80%	-60	-156	48	-94	58	118	47	36	37	-70	-146	-59	-263
90%	-21	-134	75	-130	43	71	40	8	20	-82	-46	-63	-255
Long Term													
Full Simulation Period[a]	-66	-55	49	104	140	133	225	200	192	-60	-103	-130	628
Water Year Types[b]													
Wet (32%)	-65	-69	113	266	145	87	350	339	262	-1	-105	-171	1,150
Above Normal (15%)	-18	-75	-9	184	226	226	354	344	380	88	-123	-211	1,366
Below Normal (17%)	-134	-56	39	66	217	142	199	143	210	-62	-106	-156	503
Dry (22%)	-46	-33	-16	-47	102	188	102	71	69	-218	-158	-21	-8
Critical (15%)	-69	-39	74	-54	10	46	38	13	19	-97	8	-93	-143

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-10-2-16. Total Delta Exports, Monthly Delivery Volume

No Action Alternative (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	408	671	720	586	581	644	214	207	366	714	724	671	5,728
20%	382	493	673	475	513	566	146	151	334	703	724	660	5,354
30%	355	424	642	422	467	503	133	121	303	667	717	560	5,075
40%	331	378	557	415	406	443	123	110	244	641	703	533	4,832
50%	308	336	505	400	369	400	109	104	211	598	680	452	4,605
60%	284	303	485	380	347	323	102	99	178	542	592	390	4,331
70%	259	289	446	336	306	281	95	92	142	508	488	334	3,851
80%	225	266	380	302	252	198	89	92	97	360	403	285	3,592
90%	157	200	254	276	188	132	81	92	88	225	212	258	2,861
Long Term													
Full Simulation Period[a]	304	378	514	403	386	394	133	142	234	538	558	457	4,441
Water Year Types[b]													
Wet (32%)	353	446	558	488	526	576	179	210	367	601	708	521	5,533
Above Normal (15%)	246	398	557	406	404	473	124	116	293	502	719	593	4,830
Below Normal (17%)	327	369	543	353	361	395	126	120	202	617	602	552	4,565
Dry (22%)	281	333	527	387	290	239	110	114	125	578	455	340	3,778
Critical (15%)	261	287	322	301	243	151	84	85	91	285	175	248	2,532

Alternative 3 (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	547	751	859	803	778	711	654	687	718	801	793	684	7,484
20%	451	658	763	710	654	654	607	631	536	714	547	607	6,974
30%	428	570	717	634	580	597	541	594	471	585	506	544	6,432
40%	418	533	696	569	524	567	473	468	415	493	468	483	6,087
50%	375	477	629	501	480	531	433	386	336	400	428	441	5,749
60%	337	420	553	444	422	454	362	267	269	341	373	389	5,033
70%	279	392	505	366	394	378	290	206	139	287	285	343	4,293
80%	232	296	430	263	334	318	198	174	107	193	229	289	3,747
90%	170	259	307	167	242	241	161	130	88	108	145	213	2,892
Long Term													
Full Simulation Period[a]	362	480	593	494	484	489	415	395	353	435	429	442	5,371
Water Year Types[b]													
Wet (32%)	440	592	680	672	589	587	557	577	549	571	591	604	7,007
Above Normal (15%)	326	475	562	578	578	686	555	544	540	514	565	579	6,503
Below Normal (17%)	339	496	587	489	503	507	449	389	319	483	444	425	5,430
Dry (22%)	353	436	582	373	398	389	275	231	140	310	272	314	4,073
Critical (15%)	265	291	458	210	274	209	138	107	97	195	161	165	2,572

Alternative 3 (LLT) minus No Action Alternative (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	139	79	140	218	198	67	441	479	352	87	69	13	1,756
20%	68	165	90	234	141	88	461	481	202	11	-178	-52	1,620
30%	73	146	74	213	113	94	409	473	169	-82	-211	-17	1,357
40%	87	155	139	154	118	124	350	358	171	-148	-235	-50	1,256
50%	67	142	125	101	111	131	324	282	125	-199	-252	-10	1,144
60%	53	118	69	64	75	132	260	168	91	-201	-219	-1	701
70%	20	102	59	30	88	97	195	114	-3	-221	-203	9	441
80%	7	30	51	-39	82	120	109	82	10	-167	-175	4	156
90%	13	60	52	-109	54	109	80	38	0	-117	-67	-45	31
Long Term													
Full Simulation Period[a]	58	102	79	90	98	95	282	254	118	-103	-129	-15	930
Water Year Types[b]													
Wet (32%)	86	146	122	184	63	11	377	367	182	-31	-117	83	1,474
Above Normal (15%)	80	77	5	172	174	213	430	428	248	12	-154	-14	1,672
Below Normal (17%)	13	127	44	136	143	113	323	269	118	-135	-157	-127	866
Dry (22%)	73	103	55	-14	108	150	165	117	15	-268	-183	-26	295
Critical (15%)	4	4	136	-91	31	58	54	22	7	-90	-14	-82	40

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-10-2-17. Total Delta Exports, Monthly Delivery Volume

No Action Alternative (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	408	671	720	586	581	644	214	207	366	714	724	671	5,728
20%	382	493	673	475	513	566	146	151	334	703	724	660	5,354
30%	355	424	642	422	467	503	133	121	303	667	717	560	5,075
40%	331	378	557	415	406	443	123	110	244	641	703	533	4,832
50%	308	336	505	400	369	400	109	104	211	598	680	452	4,605
60%	284	303	485	380	347	323	102	99	178	542	592	390	4,331
70%	259	289	446	336	306	281	95	92	142	508	488	334	3,851
80%	225	266	380	302	252	198	89	92	97	360	403	285	3,592
90%	157	200	254	276	188	132	81	92	88	225	212	258	2,861
Long Term													
Full Simulation Period[a]	304	378	514	403	386	394	133	142	234	538	558	457	4,441
Water Year Types[b]													
Wet (32%)	353	446	558	488	526	576	179	210	367	601	708	521	5,533
Above Normal (15%)	246	398	557	406	404	473	124	116	293	502	719	593	4,830
Below Normal (17%)	327	369	543	353	361	395	126	120	202	617	602	552	4,565
Dry (22%)	281	333	527	387	290	239	110	114	125	578	455	340	3,778
Critical (15%)	261	287	322	301	243	151	84	85	91	285	175	248	2,532

Alternative 4 H1 (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	423	685	785	875	806	724	607	630	722	862	803	651	7,409
20%	389	613	685	775	660	656	579	582	639	795	732	606	6,690
30%	343	550	627	650	602	629	493	403	579	691	596	547	6,446
40%	292	516	586	527	564	586	386	275	509	587	533	492	5,970
50%	242	465	551	458	488	547	289	202	430	510	473	472	5,600
60%	214	421	512	392	452	467	227	173	325	395	398	415	4,794
70%	185	393	484	342	372	376	171	142	194	330	340	356	4,089
80%	167	318	394	212	308	314	133	130	133	258	257	308	3,650
90%	149	266	323	148	219	234	119	100	102	149	176	209	2,892
Long Term													
Full Simulation Period[a]	275	468	542	491	493	500	339	303	402	508	484	451	5,255
Water Year Types[b]													
Wet (32%)	336	547	650	692	621	618	496	477	579	650	625	599	6,890
Above Normal (15%)	241	464	519	577	593	630	460	386	575	625	651	565	6,284
Below Normal (17%)	248	498	574	410	542	570	303	250	432	570	521	454	5,372
Dry (22%)	271	425	488	343	363	390	206	177	201	413	339	340	3,955
Critical (15%)	213	331	376	287	255	198	119	96	110	152	185	177	2,500

Alternative 4 H1 (LLT) minus No Action Alternative (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	15	14	65	289	226	80	394	423	356	148	78	-20	1,681
20%	7	120	12	299	147	90	433	431	305	92	8	-54	1,336
30%	-11	126	-15	228	135	126	360	282	276	24	-121	-14	1,371
40%	-39	138	29	112	158	144	262	166	266	-54	-170	-41	1,138
50%	-66	129	46	58	119	147	180	98	219	-88	-207	20	995
60%	-69	119	28	12	104	144	125	74	147	-147	-194	26	463
70%	-74	104	38	6	66	95	76	50	51	-179	-148	22	238
80%	-58	52	14	-90	56	116	44	37	36	-101	-146	23	59
90%	-8	66	68	-128	31	101	38	8	14	-77	-37	-49	32
Long Term													
Full Simulation Period[a]	-29	90	28	87	107	106	206	162	168	-30	-74	-6	815
Water Year Types[b]													
Wet (32%)	-18	101	92	203	95	42	317	267	213	49	-83	78	1,357
Above Normal (15%)	-5	66	-38	171	189	156	336	269	283	123	-68	-28	1,454
Below Normal (17%)	-78	129	31	57	181	175	177	130	231	-48	-81	-98	807
Dry (22%)	-10	92	-40	-45	74	150	95	63	76	-165	-116	0	176
Critical (15%)	-48	44	54	-15	12	47	36	11	19	-133	10	-70	-32

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-10-2-18. Total Delta Exports, Monthly Delivery Volume

No Action Alternative (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	408	671	720	586	581	644	214	207	366	714	724	671	5,728
20%	382	493	673	475	513	566	146	151	334	703	724	660	5,354
30%	355	424	642	422	467	503	133	121	303	667	717	560	5,075
40%	331	378	557	415	406	443	123	110	244	641	703	533	4,832
50%	308	336	505	400	369	400	109	104	211	598	680	452	4,605
60%	284	303	485	380	347	323	102	99	178	542	592	390	4,331
70%	259	289	446	336	306	281	95	92	142	508	488	334	3,851
80%	225	266	380	302	252	198	89	92	97	360	403	285	3,592
90%	157	200	254	276	188	132	81	92	88	225	212	258	2,861
Long Term													
Full Simulation Period[a]	304	378	514	403	386	394	133	142	234	538	558	457	4,441
Water Year Types[b]													
Wet (32%)	353	446	558	488	526	576	179	210	367	601	708	521	5,533
Above Normal (15%)	246	398	557	406	404	473	124	116	293	502	719	593	4,830
Below Normal (17%)	327	369	543	353	361	395	126	120	202	617	602	552	4,565
Dry (22%)	281	333	527	387	290	239	110	114	125	578	455	340	3,778
Critical (15%)	261	287	322	301	243	151	84	85	91	285	175	248	2,532

Alternative 4 H2 (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	463	658	867	873	804	699	589	604	568	750	705	652	6,994
20%	371	611	672	793	642	649	481	396	441	663	641	572	5,984
30%	288	553	625	653	606	574	388	211	367	560	581	515	5,409
40%	263	509	575	522	556	486	155	142	287	512	522	483	5,107
50%	236	475	516	446	491	352	108	109	209	446	493	448	4,778
60%	219	421	479	397	458	262	89	92	145	395	459	427	4,353
70%	198	389	438	325	357	99	89	92	126	315	371	388	4,023
80%	179	312	380	215	307	92	89	92	80	270	268	324	3,666
90%	155	269	319	147	218	92	89	77	64	97	175	206	2,576
Long Term													
Full Simulation Period[a]	272	467	531	491	484	377	241	223	266	448	466	444	4,710
Water Year Types[b]													
Wet (32%)	339	557	666	700	604	481	389	369	400	543	555	596	6,201
Above Normal (15%)	227	451	503	593	590	544	286	263	303	455	611	503	5,331
Below Normal (17%)	267	480	533	406	525	328	201	133	261	526	515	457	4,631
Dry (22%)	248	424	472	328	361	289	122	145	171	429	377	347	3,712
Critical (15%)	214	339	350	278	254	177	99	85	86	175	202	184	2,444

Alternative 4 H2 (LLT) minus No Action Alternative (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	55	-13	147	287	224	55	376	397	202	36	-19	-19	1,266
20%	-12	118	-1	317	129	83	334	246	107	-40	-84	-88	631
30%	-67	129	-17	231	139	71	255	90	64	-107	-136	-45	334
40%	-68	131	18	107	150	43	32	32	43	-129	-181	-50	276
50%	-73	140	11	46	122	-49	-1	5	-2	-153	-187	-4	173
60%	-65	118	-6	17	111	-61	-13	-7	-34	-147	-133	37	22
70%	-61	100	-8	-11	51	-182	-6	0	-16	-193	-117	54	171
80%	-46	45	0	-87	55	-106	0	0	-18	-90	-136	39	75
90%	-2	69	64	-129	30	-40	8	-15	-24	-129	-38	-52	-284
Long Term													
Full Simulation Period[a]	-32	89	17	87	98	-16	108	81	32	-90	-92	-13	269
Water Year Types[b]													
Wet (32%)	-14	110	109	212	78	-95	210	159	34	-58	-153	76	668
Above Normal (15%)	-19	53	-54	188	186	71	162	147	10	-47	-107	-90	501
Below Normal (17%)	-60	110	-9	53	165	-67	76	13	59	-92	-87	-95	67
Dry (22%)	-33	91	-55	-59	71	50	12	31	46	-149	-78	7	-66
Critical (15%)	-47	53	28	-23	11	26	15	1	-5	-109	26	-64	-88

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-10-2-19. Total Delta Exports, Monthly Delivery Volume

No Action Alternative (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	408	671	720	586	581	644	214	207	366	714	724	671	5,728
20%	382	493	673	475	513	566	146	151	334	703	724	660	5,354
30%	355	424	642	422	467	503	133	121	303	667	717	560	5,075
40%	331	378	557	415	406	443	123	110	244	641	703	533	4,832
50%	308	336	505	400	369	400	109	104	211	598	680	452	4,605
60%	284	303	485	380	347	323	102	99	178	542	592	390	4,331
70%	259	289	446	336	306	281	95	92	142	508	488	334	3,851
80%	225	266	380	302	252	198	89	92	97	360	403	285	3,592
90%	157	200	254	276	188	132	81	92	88	225	212	258	2,861
Long Term													
Full Simulation Period[a]	304	378	514	403	386	394	133	142	234	538	558	457	4,441
Water Year Types[b]													
Wet (32%)	353	446	558	488	526	576	179	210	367	601	708	521	5,533
Above Normal (15%)	246	398	557	406	404	473	124	116	293	502	719	593	4,830
Below Normal (17%)	327	369	543	353	361	395	126	120	202	617	602	552	4,565
Dry (22%)	281	333	527	387	290	239	110	114	125	578	455	340	3,778
Critical (15%)	261	287	322	301	243	151	84	85	91	285	175	248	2,532

Alternative 4 H3 (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	387	619	782	885	807	753	630	645	724	858	817	502	7,095
20%	300	528	669	783	656	671	591	581	652	781	727	419	6,458
30%	257	402	636	650	629	644	493	445	611	692	586	396	5,943
40%	236	345	621	520	597	600	386	277	526	578	538	364	5,576
50%	212	285	576	452	490	541	304	206	424	530	458	342	5,151
60%	198	253	515	397	455	460	227	153	286	415	402	290	4,603
70%	175	155	461	313	386	367	176	135	184	321	323	258	3,904
80%	166	112	387	202	313	316	134	126	134	268	246	219	3,275
90%	137	80	318	146	219	206	119	97	103	149	184	192	2,776
Long Term													
Full Simulation Period[a]	236	316	544	482	501	504	340	304	403	506	477	332	4,945
Water Year Types[b]													
Wet (32%)	285	356	648	695	649	649	503	482	591	655	632	352	6,497
Above Normal (15%)	223	310	534	557	602	622	450	398	579	630	644	383	5,933
Below Normal (17%)	187	320	566	399	523	545	310	244	411	586	522	417	5,029
Dry (22%)	242	303	487	328	365	394	205	171	207	372	309	316	3,700
Critical (15%)	187	253	389	274	257	190	118	97	106	165	173	159	2,366

Alternative 4 H3 (LLT) minus No Action Alternative (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	-21	-52	62	300	226	109	416	437	358	144	93	-169	1,367
20%	-82	35	-4	308	143	105	445	431	317	78	2	-241	1,104
30%	-98	-22	-6	228	162	142	361	324	309	25	-132	-164	868
40%	-95	-33	64	105	191	157	263	168	283	-63	-165	-169	745
50%	-96	-50	71	53	121	141	195	102	213	-68	-222	-110	546
60%	-86	-50	30	17	108	137	125	54	108	-127	-190	-100	271
70%	-84	-134	16	-23	81	86	81	42	42	-187	-164	-76	52
80%	-59	-155	7	-100	62	118	44	34	37	-92	-157	-66	-317
90%	-20	-120	63	-130	31	74	38	5	15	-76	-28	-66	-85
Long Term													
Full Simulation Period[a]	-68	-61	30	79	114	110	207	163	169	-32	-81	-125	505
Water Year Types[b]													
Wet (32%)	-68	-91	91	207	123	73	323	271	224	54	-76	-169	963
Above Normal (15%)	-23	-88	-23	151	198	149	326	282	286	128	-75	-210	1,102
Below Normal (17%)	-139	-49	23	46	163	150	184	125	209	-32	-79	-135	465
Dry (22%)	-39	-29	-40	-59	75	155	95	57	83	-206	-146	-23	-79
Critical (15%)	-74	-34	67	-28	14	39	34	12	16	-120	-3	-89	-166

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-10-2-20. Total Delta Exports, Monthly Delivery Volume

No Action Alternative (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	408	671	720	586	581	644	214	207	366	714	724	671	5,728
20%	382	493	673	475	513	566	146	151	334	703	724	660	5,354
30%	355	424	642	422	467	503	133	121	303	667	717	560	5,075
40%	331	378	557	415	406	443	123	110	244	641	703	533	4,832
50%	308	336	505	400	369	400	109	104	211	598	680	452	4,605
60%	284	303	485	380	347	323	102	99	178	542	592	390	4,331
70%	259	289	446	336	306	281	95	92	142	508	488	334	3,851
80%	225	266	380	302	252	198	89	92	97	360	403	285	3,592
90%	157	200	254	276	188	132	81	92	88	225	212	258	2,861
Long Term													
Full Simulation Period[a]	304	378	514	403	386	394	133	142	234	538	558	457	4,441
Water Year Types[b]													
Wet (32%)	353	446	558	488	526	576	179	210	367	601	708	521	5,533
Above Normal (15%)	246	398	557	406	404	473	124	116	293	502	719	593	4,830
Below Normal (17%)	327	369	543	353	361	395	126	120	202	617	602	552	4,565
Dry (22%)	281	333	527	387	290	239	110	114	125	578	455	340	3,778
Critical (15%)	261	287	322	301	243	151	84	85	91	285	175	248	2,532

Alternative 4 H4 (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	361	637	859	890	806	748	593	637	555	739	678	479	6,623
20%	276	522	665	785	657	650	508	380	453	605	612	438	5,600
30%	249	410	627	650	613	578	389	178	370	541	552	400	5,088
40%	240	327	583	520	593	475	149	133	297	486	526	375	4,771
50%	218	285	548	437	489	339	102	94	205	437	503	348	4,373
60%	194	226	492	391	439	231	89	92	146	390	439	333	3,953
70%	180	142	443	301	329	98	89	92	132	327	383	280	3,612
80%	171	110	385	204	287	92	89	92	75	251	260	241	3,252
90%	145	67	325	144	212	92	87	78	61	124	199	208	2,566
Long Term													
Full Simulation Period[a]	233	318	540	483	484	385	243	218	267	439	460	343	4,414
Water Year Types[b]													
Wet (32%)	270	377	663	691	618	527	403	364	410	566	558	378	5,824
Above Normal (15%)	218	323	528	588	601	531	286	264	313	444	571	368	5,035
Below Normal (17%)	205	301	556	389	504	303	195	129	281	515	502	404	4,285
Dry (22%)	227	293	469	331	353	286	119	133	140	371	377	340	3,439
Critical (15%)	206	243	375	266	251	178	95	86	85	175	210	177	2,347

Alternative 4 H4 (LLT) minus No Action Alternative (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	-47	-34	140	304	226	104	379	430	188	25	-46	-192	895
20%	-106	29	-8	310	144	84	362	230	119	-98	-113	-222	246
30%	-105	-14	-15	228	146	75	256	58	68	-126	-165	-161	13
40%	-91	-51	25	105	187	33	26	23	53	-155	-177	-158	-61
50%	-91	-50	43	37	120	-61	-7	-10	-6	-161	-177	-104	-232
60%	-89	-76	7	12	92	-92	-13	-7	-32	-152	-153	-56	-378
70%	-79	-147	-3	-35	23	-183	-6	0	-11	-181	-104	-54	-239
80%	-54	-156	5	-98	35	-106	0	0	-22	-109	-143	-45	-339
90%	-12	-133	71	-132	24	-40	6	-14	-27	-101	-13	-50	-294
Long Term													
Full Simulation Period[a]	-71	-60	26	80	98	-8	110	76	33	-99	-98	-114	-27
Water Year Types[b]													
Wet (32%)	-83	-69	105	203	92	-49	224	153	43	-35	-150	-143	291
Above Normal (15%)	-28	-75	-29	182	197	58	162	147	21	-58	-148	-225	205
Below Normal (17%)	-121	-68	13	36	144	-91	70	9	80	-103	-100	-148	-280
Dry (22%)	-54	-40	-59	-56	64	47	9	19	15	-207	-78	0	-339
Critical (15%)	-55	-44	52	-35	8	27	12	1	-5	-110	34	-71	-184

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-10-2-21. Total Delta Exports, Monthly Delivery Volume

No Action Alternative (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	408	671	720	586	581	644	214	207	366	714	724	671	5,728
20%	382	493	673	475	513	566	146	151	334	703	724	660	5,354
30%	355	424	642	422	467	503	133	121	303	667	717	560	5,075
40%	331	378	557	415	406	443	123	110	244	641	703	533	4,832
50%	308	336	505	400	369	400	109	104	211	598	680	452	4,605
60%	284	303	485	380	347	323	102	99	178	542	592	390	4,331
70%	259	289	446	336	306	281	95	92	142	508	488	334	3,851
80%	225	266	380	302	252	198	89	92	97	360	403	285	3,592
90%	157	200	254	276	188	132	81	92	88	225	212	258	2,861
Long Term													
Full Simulation Period[a]	304	378	514	403	386	394	133	142	234	538	558	457	4,441
Water Year Types[b]													
Wet (32%)	353	446	558	488	526	576	179	210	367	601	708	521	5,533
Above Normal (15%)	246	398	557	406	404	473	124	116	293	502	719	593	4,830
Below Normal (17%)	327	369	543	353	361	395	126	120	202	617	602	552	4,565
Dry (22%)	281	333	527	387	290	239	110	114	125	578	455	340	3,778
Critical (15%)	261	287	322	301	243	151	84	85	91	285	175	248	2,532

Alternative 5 (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	399	625	768	678	717	797	392	382	577	847	877	428	6,402
20%	367	529	732	593	628	714	321	306	515	814	745	377	5,839
30%	341	383	689	532	548	595	299	277	492	744	687	345	5,608
40%	304	311	670	510	502	573	279	238	395	701	629	317	5,450
50%	279	274	619	476	452	473	257	196	374	620	549	300	5,107
60%	250	212	572	434	399	396	206	168	339	584	423	242	4,541
70%	210	139	514	416	363	354	166	140	192	518	280	217	3,973
80%	182	114	457	347	320	257	147	127	118	401	184	165	3,580
90%	128	95	316	185	222	216	113	110	97	146	138	89	2,570
Long Term													
Full Simulation Period[a]	284	313	577	465	460	487	246	231	352	583	501	288	4,786
Water Year Types[b]													
Wet (32%)	353	366	640	623	615	680	332	345	538	717	664	311	6,185
Above Normal (15%)	266	332	577	515	500	598	277	257	451	630	727	285	5,414
Below Normal (17%)	254	309	577	418	435	505	243	197	346	702	568	375	4,930
Dry (22%)	265	278	609	379	352	323	188	167	194	516	294	279	3,844
Critical (15%)	218	236	391	253	276	182	115	94	94	204	154	155	2,374

Alternative 5 (LLT) minus No Action Alternative (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	-10	-46	48	92	136	153	179	175	211	134	153	-243	674
20%	-15	36	59	118	115	148	175	155	181	111	20	-283	485
30%	-14	-41	46	111	81	92	166	156	190	77	-30	-215	533
40%	-27	-67	113	95	96	130	156	128	152	60	-74	-216	619
50%	-30	-62	115	76	83	73	148	92	163	21	-131	-152	502
60%	-34	-91	88	54	52	73	104	69	161	41	-169	-147	210
70%	-49	-150	68	81	58	73	71	48	50	10	-208	-117	122
80%	-43	-153	77	45	68	59	58	35	21	41	-219	-120	-12
90%	-29	-105	61	-91	34	84	32	18	9	-79	-74	-169	-291
Long Term													
Full Simulation Period[a]	-19	-65	63	61	74	93	113	89	118	45	-56	-169	346
Water Year Types[b]													
Wet (32%)	-1	-80	82	135	89	104	153	134	171	116	-43	-210	651
Above Normal (15%)	20	-66	20	109	96	125	153	141	158	129	9	-308	584
Below Normal (17%)	-72	-60	35	65	74	110	117	77	144	85	-33	-177	365
Dry (22%)	-15	-55	81	-9	63	83	78	53	69	-62	-161	-61	65
Critical (15%)	-43	-50	69	-48	33	31	32	9	4	-81	-21	-92	-158

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-10-2-22. Total Delta Exports, Monthly Delivery Volume

No Action Alternative (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	408	671	720	586	581	644	214	207	366	714	724	671	5,728
20%	382	493	673	475	513	566	146	151	334	703	724	660	5,354
30%	355	424	642	422	467	503	133	121	303	667	717	560	5,075
40%	331	378	557	415	406	443	123	110	244	641	703	533	4,832
50%	308	336	505	400	369	400	109	104	211	598	680	452	4,605
60%	284	303	485	380	347	323	102	99	178	542	592	390	4,331
70%	259	289	446	336	306	281	95	92	142	508	488	334	3,851
80%	225	266	380	302	252	198	89	92	97	360	403	285	3,592
90%	157	200	254	276	188	132	81	92	88	225	212	258	2,861
Long Term													
Full Simulation Period[a]	304	378	514	403	386	394	133	142	234	538	558	457	4,441
Water Year Types[b]													
Wet (32%)	353	446	558	488	526	576	179	210	367	601	708	521	5,533
Above Normal (15%)	246	398	557	406	404	473	124	116	293	502	719	593	4,830
Below Normal (17%)	327	369	543	353	361	395	126	120	202	617	602	552	4,565
Dry (22%)	281	333	527	387	290	239	110	114	125	578	455	340	3,778
Critical (15%)	261	287	322	301	243	151	84	85	91	285	175	248	2,532

Alternative 6A,6B,6C (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	341	376	546	892	807	809	714	721	635	818	601	410	6,261
20%	304	297	284	879	806	728	593	590	453	687	492	390	5,600
30%	256	221	102	674	760	646	487	264	266	634	447	368	5,105
40%	245	169	83	385	581	571	271	117	190	546	405	346	4,455
50%	205	134	63	161	522	465	190	85	92	490	372	320	3,674
60%	173	125	50	106	280	319	93	72	49	435	342	287	2,776
70%	157	115	43	60	104	203	42	58	43	389	295	242	2,245
80%	130	89	37	52	61	91	37	42	39	358	236	195	1,868
90%	72	77	31	45	42	42	35	38	35	261	191	152	1,461
Long Term													
Full Simulation Period[a]	210	195	165	370	440	436	286	247	220	509	384	295	3,758
Water Year Types[b]													
Wet (32%)	248	260	349	708	739	679	520	503	409	564	479	354	5,811
Above Normal (15%)	181	184	136	511	654	699	433	306	338	582	448	390	4,862
Below Normal (17%)	204	188	80	194	379	352	198	112	152	634	467	350	3,311
Dry (22%)	203	179	69	122	170	222	85	67	47	427	300	236	2,127
Critical (15%)	175	96	38	73	56	67	36	60	34	296	146	97	1,173

Alternative 6A,6B,6C (LLT) minus No Action Alternative (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	-67	-295	-173	307	227	165	500	514	269	104	-123	-261	533
20%	-78	-197	-389	403	294	163	446	440	119	-16	-232	-270	247
30%	-98	-204	-541	253	293	143	355	143	-36	-33	-270	-192	30
40%	-86	-209	-475	-30	175	129	148	8	-54	-95	-298	-187	-377
50%	-103	-202	-442	-239	153	65	82	-19	-119	-108	-308	-132	-931
60%	-111	-177	-434	-274	-67	-4	-8	-27	-130	-107	-250	-103	-1,556
70%	-102	-174	-402	-276	-202	-78	-53	-34	-99	-120	-192	-92	-1,607
80%	-95	-178	-343	-250	-191	-107	-52	-50	-58	-2	-167	-90	-1,724
90%	-85	-123	-224	-231	-146	-90	-46	-55	-53	36	-21	-106	-1,399
Long Term													
Full Simulation Period[a]	-94	-183	-349	-34	54	42	153	105	-14	-29	-173	-162	-682
Water Year Types[b]													
Wet (32%)	-105	-186	-209	220	213	103	341	292	42	-37	-228	-167	278
Above Normal (15%)	-65	-214	-421	106	251	226	309	189	46	80	-271	-203	32
Below Normal (17%)	-123	-181	-463	-159	19	-43	72	-7	-49	17	-134	-202	-1,253
Dry (22%)	-78	-154	-459	-265	-119	-17	-26	-47	-78	-151	-155	-103	-1,651
Critical (15%)	-86	-191	-284	-229	-187	-84	-48	-25	-56	11	-30	-150	-1,358

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-10-2-23. Total Delta Exports, Monthly Delivery Volume

No Action Alternative (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	408	671	720	586	581	644	214	207	366	714	724	671	5,728
20%	382	493	673	475	513	566	146	151	334	703	724	660	5,354
30%	355	424	642	422	467	503	133	121	303	667	717	560	5,075
40%	331	378	557	415	406	443	123	110	244	641	703	533	4,832
50%	308	336	505	400	369	400	109	104	211	598	680	452	4,605
60%	284	303	485	380	347	323	102	99	178	542	592	390	4,331
70%	259	289	446	336	306	281	95	92	142	508	488	334	3,851
80%	225	266	380	302	252	198	89	92	97	360	403	285	3,592
90%	157	200	254	276	188	132	81	92	88	225	212	258	2,861
Long Term													
Full Simulation Period[a]	304	378	514	403	386	394	133	142	234	538	558	457	4,441
Water Year Types[b]													
Wet (32%)	353	446	558	488	526	576	179	210	367	601	708	521	5,533
Above Normal (15%)	246	398	557	406	404	473	124	116	293	502	719	593	4,830
Below Normal (17%)	327	369	543	353	361	395	126	120	202	617	602	552	4,565
Dry (22%)	281	333	527	387	290	239	110	114	125	578	455	340	3,778
Critical (15%)	261	287	322	301	243	151	84	85	91	285	175	248	2,532

Alternative 7 (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	365	357	478	752	806	850	536	553	491	868	834	468	6,019
20%	304	280	281	618	674	709	536	506	443	810	712	419	5,393
30%	265	206	108	510	582	599	408	266	360	760	636	375	5,068
40%	245	146	74	309	498	533	247	112	282	708	534	353	4,712
50%	201	132	54	182	387	406	127	91	178	655	476	324	3,700
60%	185	116	43	114	230	249	57	75	39	603	445	302	2,868
70%	161	102	37	63	121	154	34	57	35	432	359	270	2,265
80%	156	86	31	49	55	81	31	36	35	383	296	239	1,951
90%	72	65	26	40	37	36	28	31	34	332	252	209	1,605
Long Term													
Full Simulation Period[a]	218	174	154	316	381	407	230	202	225	609	506	332	3,754
Water Year Types[b]													
Wet (32%)	257	217	329	595	648	689	428	393	423	708	633	352	5,673
Above Normal (15%)	185	159	117	434	517	599	350	282	364	675	643	353	4,675
Below Normal (17%)	207	183	81	183	352	328	153	87	137	718	591	423	3,442
Dry (22%)	215	168	63	106	146	167	58	52	43	532	344	321	2,213
Critical (15%)	181	90	32	64	52	57	31	71	36	319	238	181	1,353

Alternative 7 (LLT) minus No Action Alternative (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	-43	-314	-241	166	225	207	322	346	124	154	110	-204	291
20%	-78	-213	-392	143	161	143	389	356	109	107	-12	-241	40
30%	-89	-218	-534	89	115	96	275	145	57	93	-81	-186	-7
40%	-86	-232	-483	-105	92	90	124	2	38	67	-169	-180	-120
50%	-107	-204	-451	-218	18	6	18	-13	-33	56	-204	-128	-905
60%	-99	-187	-442	-266	-118	-74	-45	-24	-139	61	-147	-87	-1,463
70%	-98	-187	-409	-273	-185	-127	-61	-35	-107	-76	-129	-64	-1,587
80%	-69	-180	-349	-253	-196	-117	-58	-57	-63	23	-107	-47	-1,641
90%	-85	-134	-228	-236	-152	-97	-53	-61	-54	107	39	-49	-1,256
Long Term													
Full Simulation Period[a]	-86	-204	-360	-87	-6	13	97	61	-9	71	-52	-125	-686
Water Year Types[b]													
Wet (32%)	-96	-229	-228	107	122	113	249	183	56	107	-74	-169	139
Above Normal (15%)	-61	-239	-440	29	113	126	226	165	71	173	-76	-240	-155
Below Normal (17%)	-120	-186	-462	-170	-8	-67	27	-33	-65	101	-11	-129	-1,123
Dry (22%)	-66	-165	-465	-281	-144	-72	-52	-62	-82	-46	-111	-19	-1,565
Critical (15%)	-80	-196	-290	-237	-191	-94	-53	-13	-55	35	63	-67	-1,179

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-10-2-24. Total Delta Exports, Monthly Delivery Volume

No Action Alternative (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	408	671	720	586	581	644	214	207	366	714	724	671	5,728
20%	382	493	673	475	513	566	146	151	334	703	724	660	5,354
30%	355	424	642	422	467	503	133	121	303	667	717	560	5,075
40%	331	378	557	415	406	443	123	110	244	641	703	533	4,832
50%	308	336	505	400	369	400	109	104	211	598	680	452	4,605
60%	284	303	485	380	347	323	102	99	178	542	592	390	4,331
70%	259	289	446	336	306	281	95	92	142	508	488	334	3,851
80%	225	266	380	302	252	198	89	92	97	360	403	285	3,592
90%	157	200	254	276	188	132	81	92	88	225	212	258	2,861
Long Term													
Full Simulation Period[a]	304	378	514	403	386	394	133	142	234	538	558	457	4,441
Water Year Types[b]													
Wet (32%)	353	446	558	488	526	576	179	210	367	601	708	521	5,533
Above Normal (15%)	246	398	557	406	404	473	124	116	293	502	719	593	4,830
Below Normal (17%)	327	369	543	353	361	395	126	120	202	617	602	552	4,565
Dry (22%)	281	333	527	387	290	239	110	114	125	578	455	340	3,778
Critical (15%)	261	287	322	301	243	151	84	85	91	285	175	248	2,532

Alternative 8 (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	160	298	523	753	806	883	536	553	477	415	431	348	5,169
20%	151	211	265	624	682	729	536	553	384	247	393	302	4,623
30%	137	144	106	537	591	624	536	486	276	241	365	268	4,047
40%	113	90	76	375	511	553	476	386	178	228	341	218	3,624
50%	86	71	51	205	411	468	337	199	64	218	318	181	3,082
60%	68	65	43	135	286	343	243	109	45	206	303	169	2,157
70%	65	55	36	74	177	238	116	78	33	190	267	104	1,836
80%	25	48	30	52	76	114	78	66	31	93	242	66	1,669
90%	10	20	25	41	40	46	36	57	28	68	204	65	1,159
Long Term													
Full Simulation Period[a]	102	124	158	332	401	446	315	279	186	240	319	197	3,098
Water Year Types[b]													
Wet (32%)	155	170	337	610	669	711	485	476	388	332	424	105	4,863
Above Normal (15%)	107	146	115	451	526	600	452	403	230	148	348	173	3,699
Below Normal (17%)	77	112	98	212	356	411	333	239	102	187	291	339	2,757
Dry (22%)	77	109	61	119	195	237	146	83	33	225	267	267	1,820
Critical (15%)	50	37	30	70	55	71	41	70	30	217	173	147	990

Alternative 8 (LLT) minus No Action Alternative (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	-248	-373	-196	167	225	239	322	346	110	-298	-293	-323	-559
20%	-232	-282	-408	149	170	164	389	402	50	-456	-331	-358	-730
30%	-218	-280	-536	115	124	121	403	365	-26	-427	-352	-293	-1,028
40%	-218	-288	-481	-40	105	111	353	276	-66	-413	-362	-315	-1,207
50%	-222	-264	-454	-195	42	68	228	95	-147	-380	-362	-271	-1,523
60%	-216	-238	-442	-245	-61	20	141	10	-133	-336	-289	-220	-2,174
70%	-194	-235	-410	-262	-129	-43	21	-14	-110	-318	-221	-230	-2,015
80%	-200	-218	-350	-250	-176	-84	-11	-26	-66	-267	-161	-220	-1,922
90%	-147	-180	-229	-236	-148	-86	-44	-36	-60	-158	-8	-193	-1,701
Long Term													
Full Simulation Period[a]	-201	-254	-356	-72	14	52	182	138	-49	-298	-239	-260	-1,342
Water Year Types[b]													
Wet (32%)	-198	-276	-220	122	144	135	306	266	21	-269	-284	-416	-671
Above Normal (15%)	-139	-252	-442	45	122	127	328	287	-63	-354	-371	-420	-1,132
Below Normal (17%)	-249	-257	-445	-141	-4	16	207	119	-99	-430	-311	-213	-1,808
Dry (22%)	-204	-224	-467	-268	-94	-2	36	-31	-92	-353	-188	-72	-1,959
Critical (15%)	-211	-250	-292	-231	-188	-80	-43	-15	-61	-67	-2	-100	-1,541

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-10-2-25. Total Delta Exports, Monthly Delivery Volume

No Action Alternative (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	408	671	720	586	581	644	214	207	366	714	724	671	5,728
20%	382	493	673	475	513	566	146	151	334	703	724	660	5,354
30%	355	424	642	422	467	503	133	121	303	667	717	560	5,075
40%	331	378	557	415	406	443	123	110	244	641	703	533	4,832
50%	308	336	505	400	369	400	109	104	211	598	680	452	4,605
60%	284	303	485	380	347	323	102	99	178	542	592	390	4,331
70%	259	289	446	336	306	281	95	92	142	508	488	334	3,851
80%	225	266	380	302	252	198	89	92	97	360	403	285	3,592
90%	157	200	254	276	188	132	81	92	88	225	212	258	2,861
Long Term													
Full Simulation Period[a]	304	378	514	403	386	394	133	142	234	538	558	457	4,441
Water Year Types[b]													
Wet (32%)	353	446	558	488	526	576	179	210	367	601	708	521	5,533
Above Normal (15%)	246	398	557	406	404	473	124	116	293	502	719	593	4,830
Below Normal (17%)	327	369	543	353	361	395	126	120	202	617	602	552	4,565
Dry (22%)	281	333	527	387	290	239	110	114	125	578	455	340	3,778
Critical (15%)	261	287	322	301	243	151	84	85	91	285	175	248	2,532

Alternative 9 (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	530	671	694	335	566	658	298	307	298	714	724	671	5,680
20%	428	618	694	317	306	324	298	307	298	714	724	653	5,276
30%	376	449	678	311	283	307	298	265	298	709	722	604	4,996
40%	342	393	643	310	278	307	298	215	208	697	708	559	4,709
50%	326	367	510	308	278	305	208	209	208	670	649	440	4,497
60%	314	337	383	306	271	222	206	206	204	626	600	383	4,245
70%	267	304	368	292	199	215	161	149	167	546	466	327	3,794
80%	239	284	361	222	166	174	89	86	89	474	326	276	3,472
90%	180	249	358	194	130	92	80	81	74	180	126	224	2,904
Long Term													
Full Simulation Period[a]	341	404	524	313	292	303	217	215	216	566	535	454	4,377
Water Year Types[b]													
Wet (32%)	384	458	489	370	429	471	304	325	328	647	702	556	5,463
Above Normal (15%)	313	406	550	274	244	335	280	246	258	692	709	563	4,871
Below Normal (17%)	326	412	551	272	253	272	224	191	183	624	607	535	4,448
Dry (22%)	335	378	580	301	217	179	132	144	144	521	386	323	3,641
Critical (15%)	300	317	455	293	199	128	83	80	76	262	140	224	2,556

Alternative 9 (LLT) minus No Action Alternative (LLT)

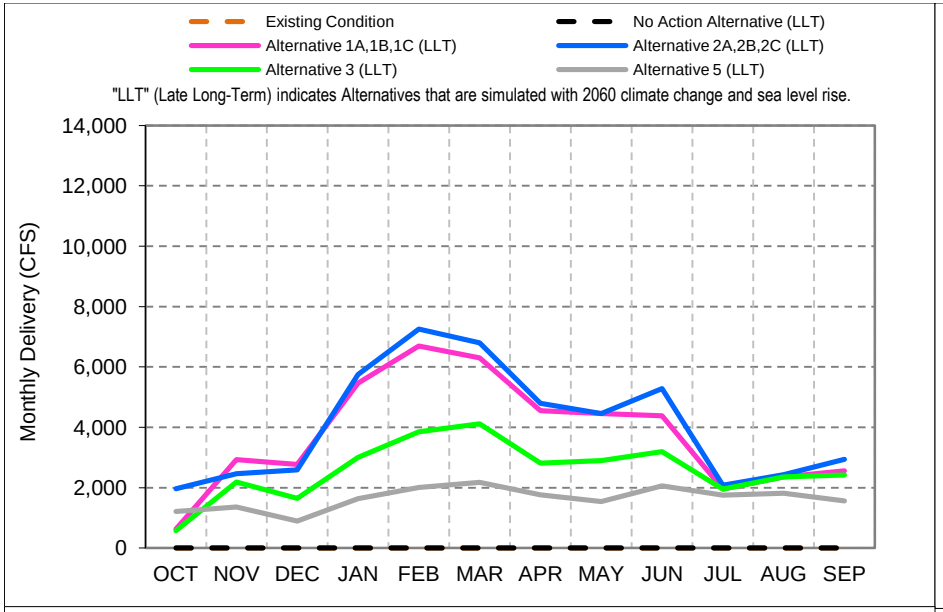
	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	122	0	-26	-251	-14	15	84	100	-69	0	0	0	-48
20%	46	124	21	-159	-206	-242	151	157	-37	11	0	-6	-77
30%	21	25	36	-110	-184	-195	165	144	-5	42	5	43	-79
40%	11	15	85	-105	-128	-135	174	105	-35	56	5	26	-123
50%	17	31	5	-92	-91	-95	99	105	-3	72	-31	-12	-108
60%	31	34	-101	-74	-77	-100	104	108	25	84	8	-7	-86
70%	8	15	-78	-44	-106	-66	66	57	24	38	-22	-7	-58
80%	14	17	-19	-80	-86	-24	0	-6	-8	115	-77	-9	-119
90%	23	49	103	-83	-58	-40	-1	-11	-14	-45	-87	-34	43
Long Term													
Full Simulation Period[a]	37	26	10	-91	-95	-91	84	73	-18	28	-23	-3	-63
Water Year Types[b]													
Wet (32%)	31	12	-68	-118	-97	-105	124	115	-38	45	-6	35	-71
Above Normal (15%)	67	8	-7	-131	-159	-138	156	130	-35	190	-10	-30	40
Below Normal (17%)	0	43	8	-81	-108	-123	98	71	-19	6	6	-17	-117
Dry (22%)	54	45	53	-86	-73	-60	22	30	19	-57	-69	-16	-138
Critical (15%)	39	30	132	-8	-44	-23	-1	-5	-14	-22	-36	-24	24

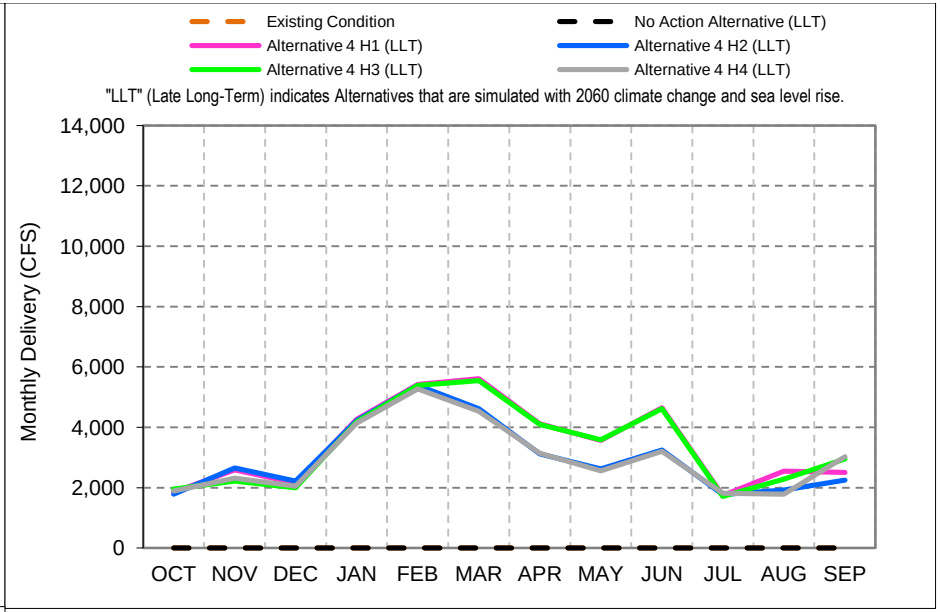
a Based on the 82-year simulation period

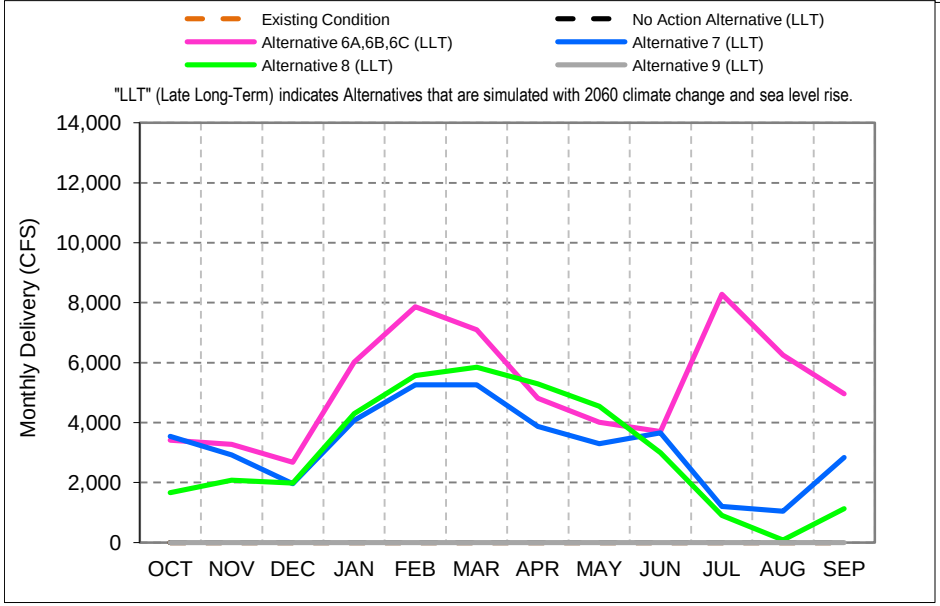
b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

C.11. Isolated Facility Exports



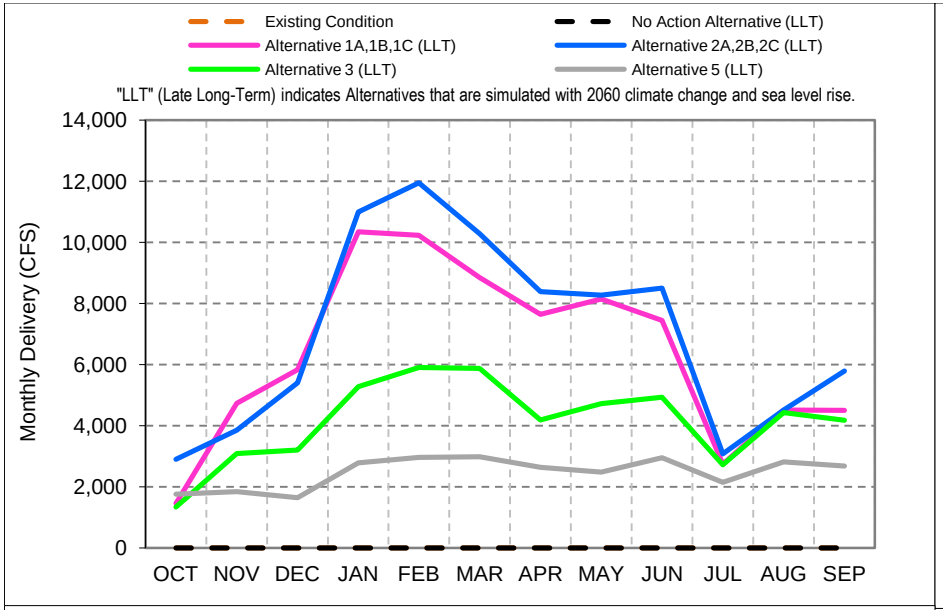


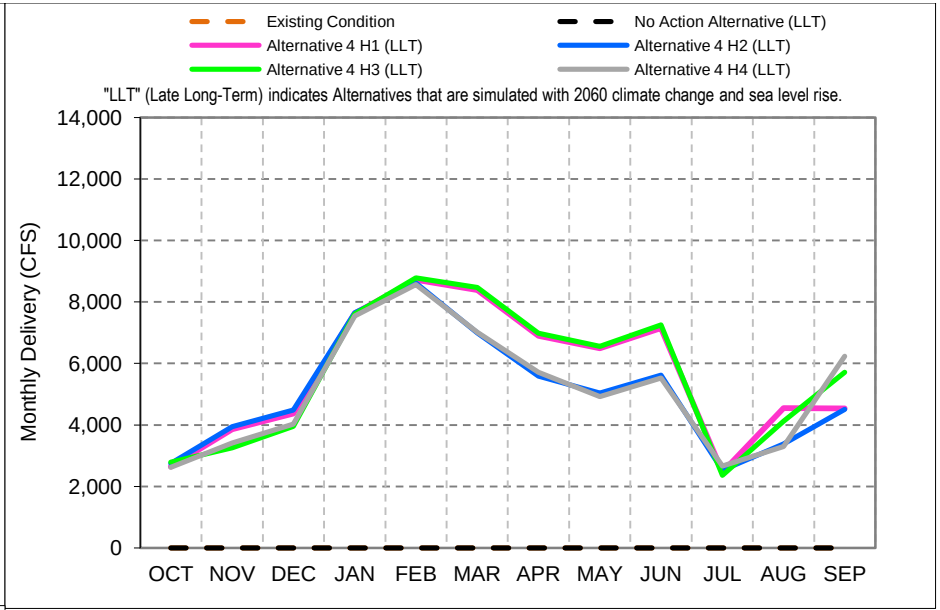


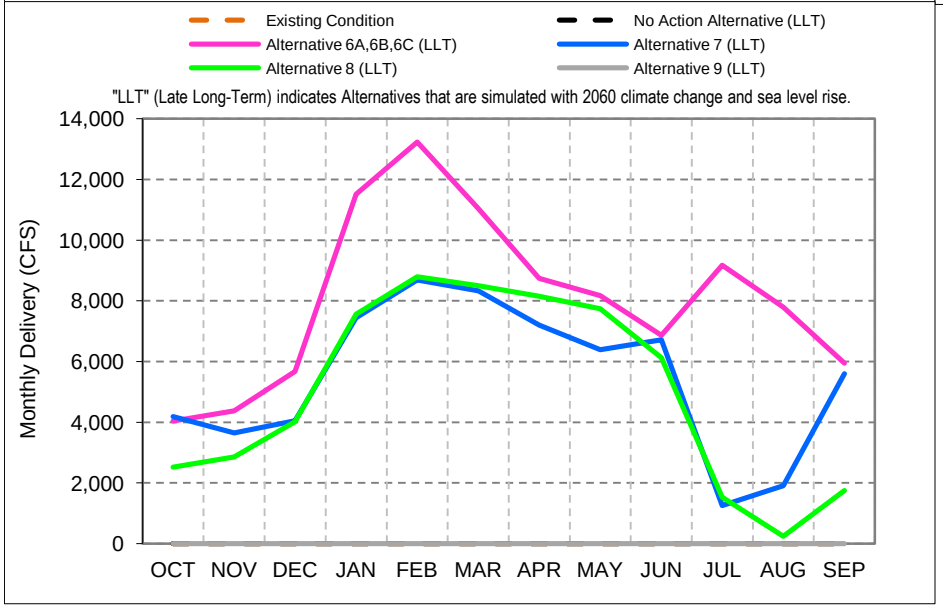
Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-11-1. Isolated Facility Exports, Long-Term Average Delivery





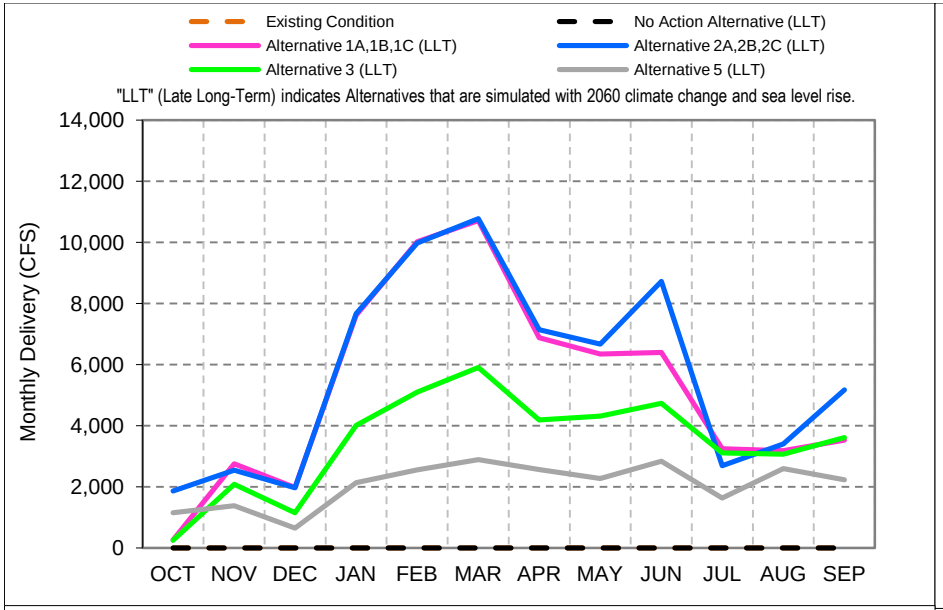


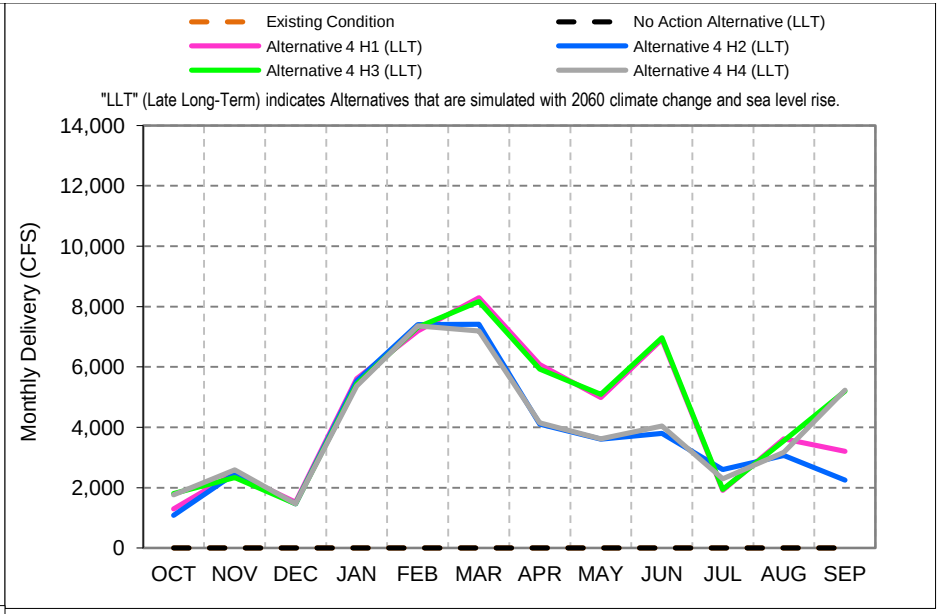
Alternative 4 Scenario Definitions:

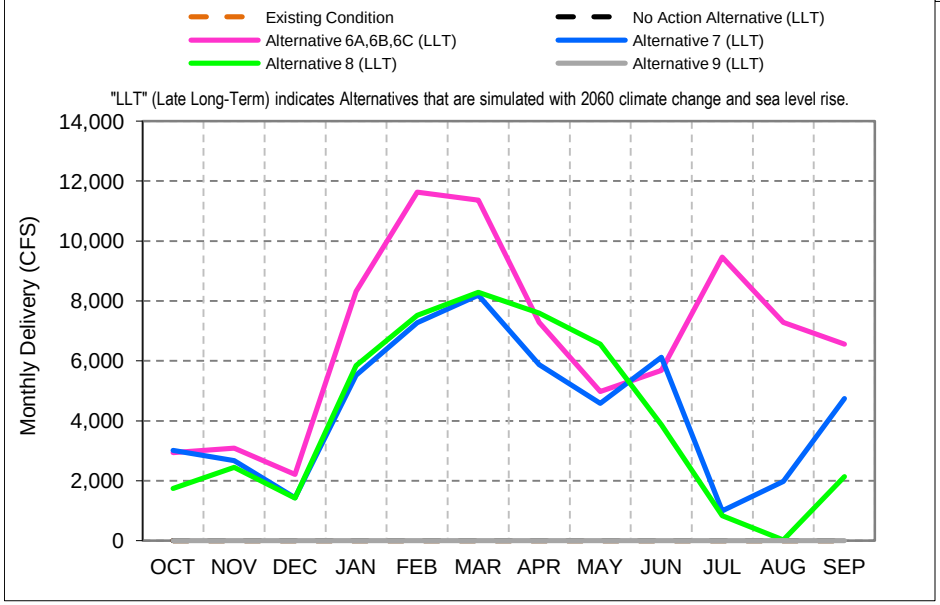
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-11-2. Isolated Facility Exports, Wet Year* Average Delivery





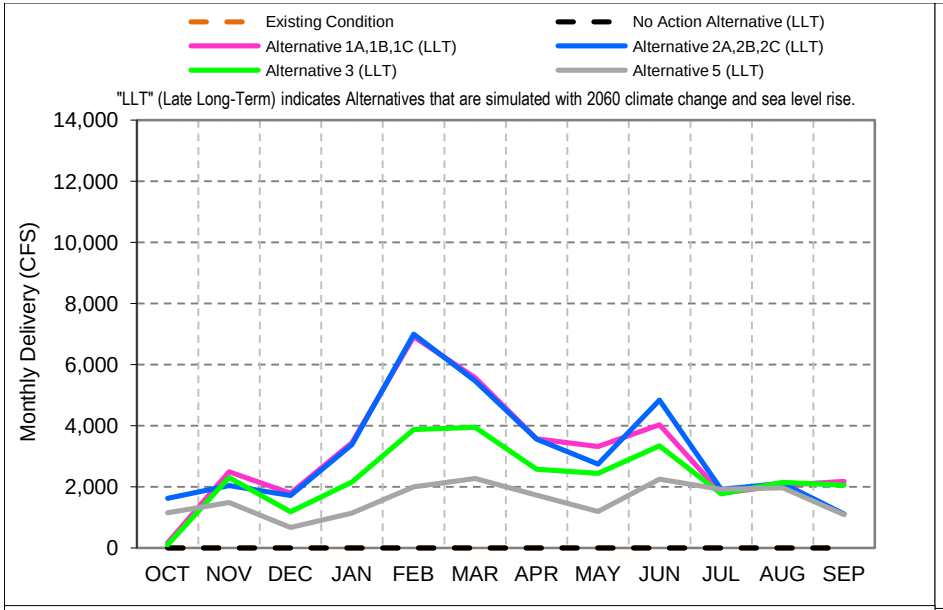


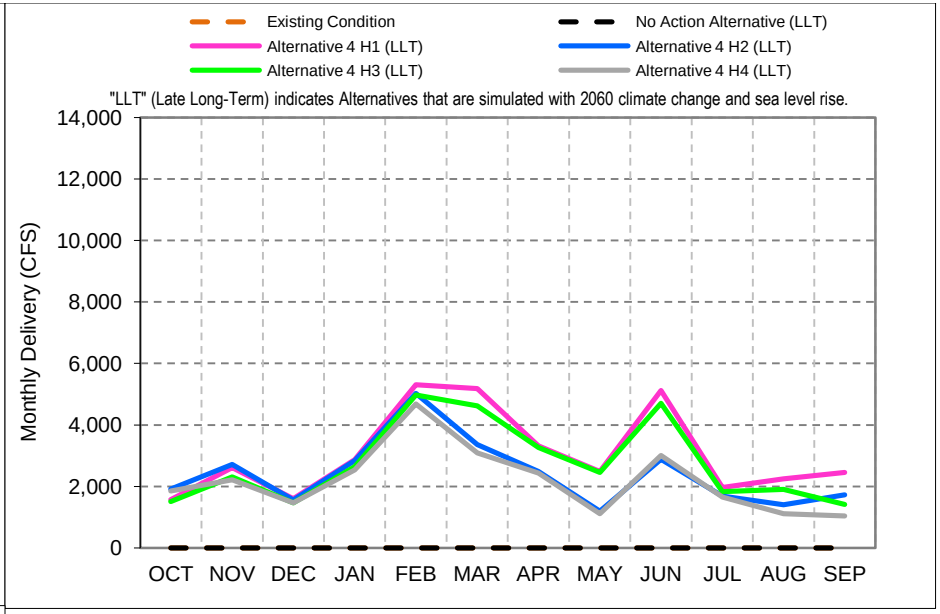
Alternative 4 Scenario Definitions:

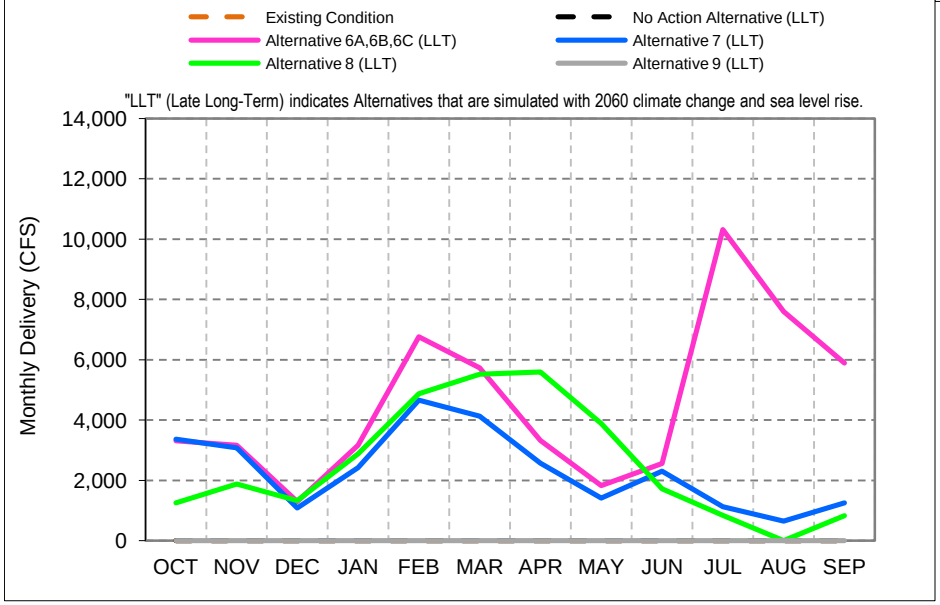
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-11-3. Isolated Facility Exports, Above Normal Year* Average Delivery





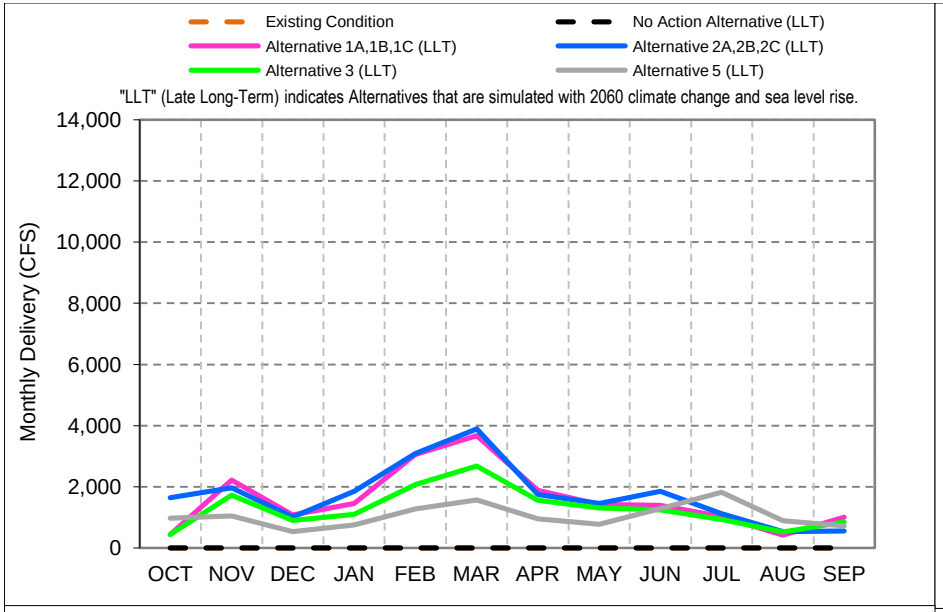


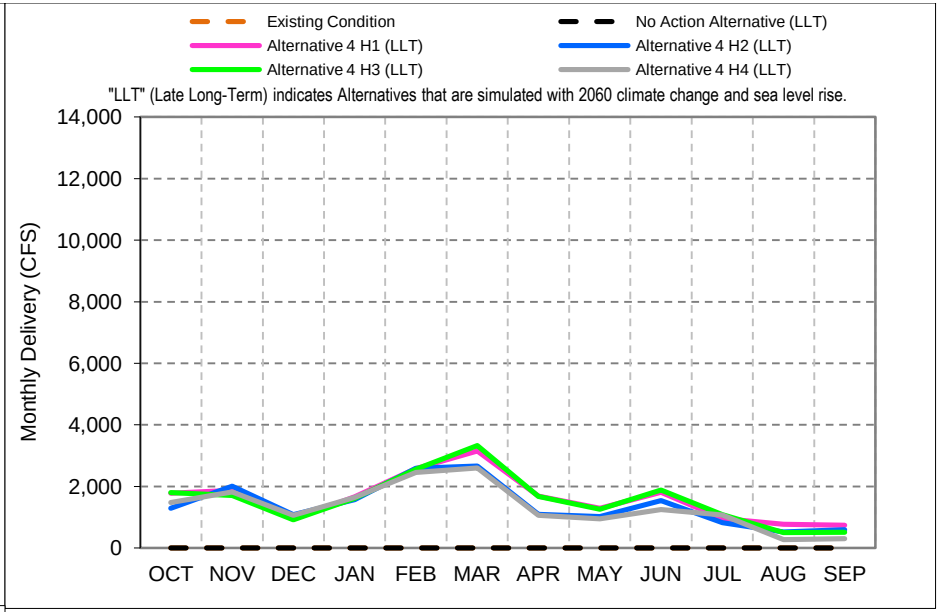
Alternative 4 Scenario Definitions:

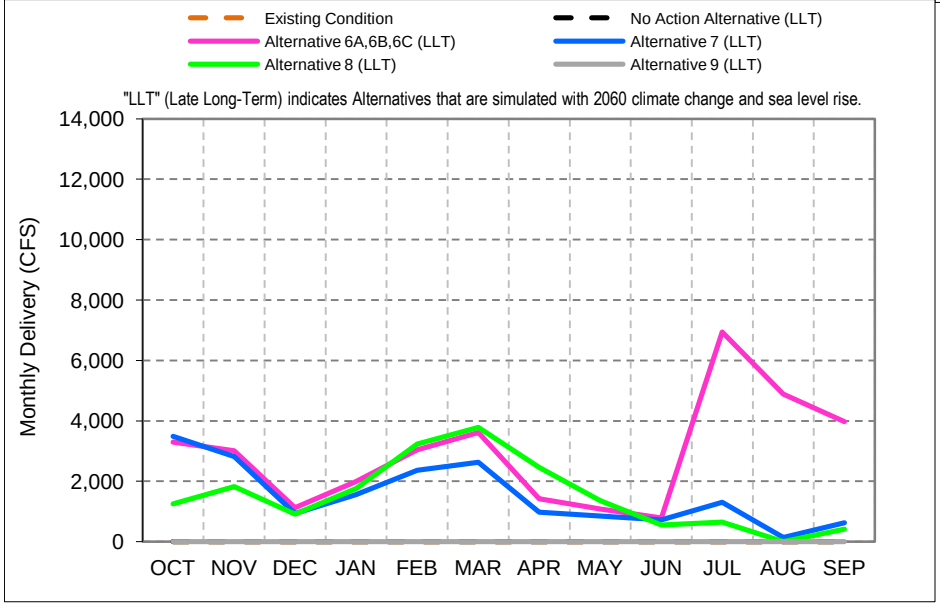
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-11-4. Isolated Facility Exports, Below Normal Year* Average Delivery





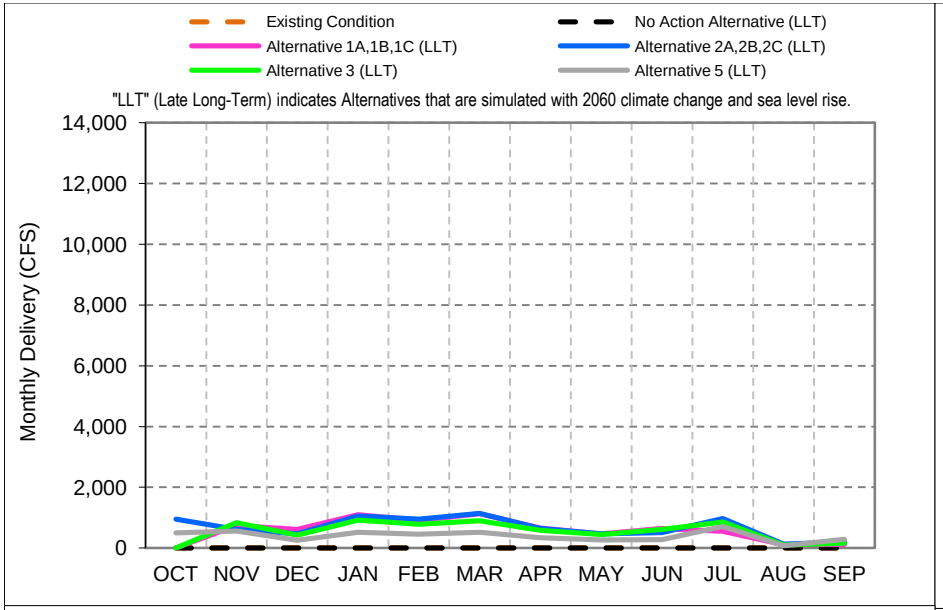


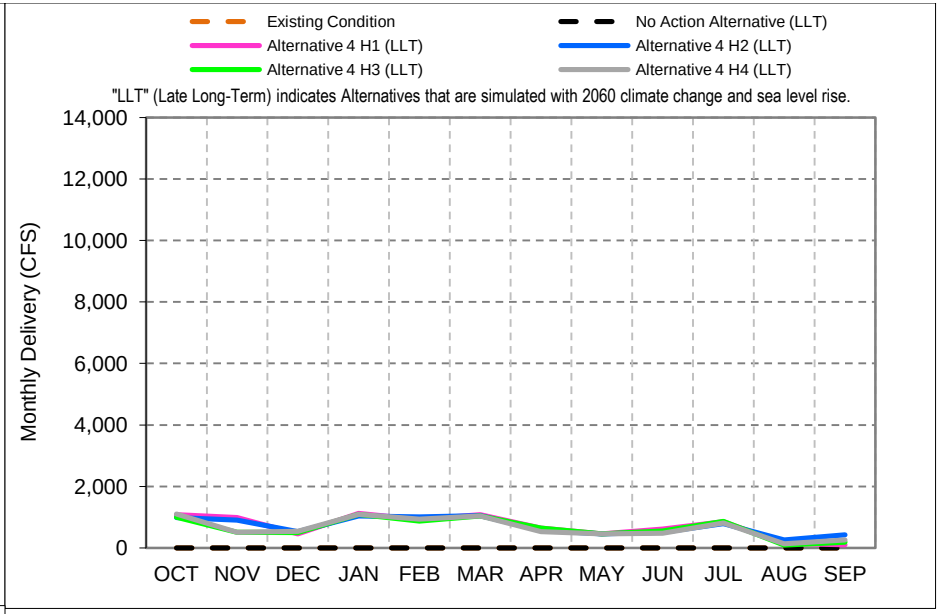
Alternative 4 Scenario Definitions:

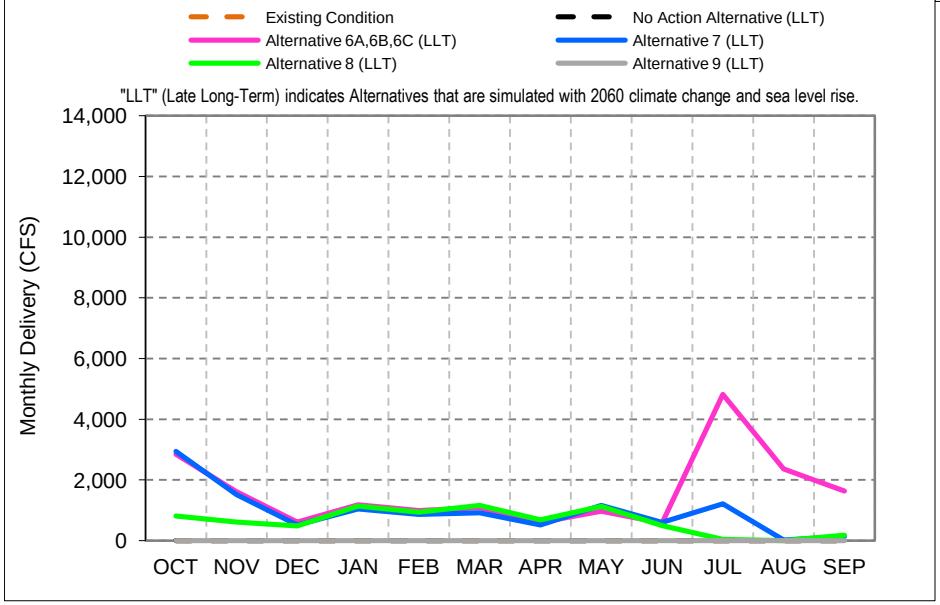
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-11-5. Isolated Facility Exports, Dry Year* Average Delivery







Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-11-6. Isolated Facility Exports, Critical Year* Average Delivery

Table C-11-1-1. Isolated Facility Exports, Monthly Delivery Rate

Existing Condition

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	0	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0	0
Long Term													
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]													
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (17%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Dry (22%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0

No Action Alternative (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	0	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0	0
Long Term													
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]													
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (17%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Dry (22%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0

No Action Alternative (LLT) minus Existing Condition

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	0	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0	0
Long Term													
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]													
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (17%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Dry (22%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-11-1-2. Isolated Facility Exports, Monthly Delivery Rate

Existing Condition

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	0	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0	0
Long Term													
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]													
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (17%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Dry (22%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0

Alternative 1A,1B,1C (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	2,144	7,461	9,040	13,982	13,355	10,452	10,202	11,291	11,474	4,550	4,823	5,268	7,049
20%	47	5,162	4,987	12,082	10,661	9,698	8,772	9,450	7,132	3,185	4,023	4,251	6,351
30%	0	3,547	1,968	9,194	10,108	9,264	7,500	7,243	5,535	2,380	3,645	3,735	5,547
40%	0	2,716	1,343	6,362	9,021	8,609	4,412	4,300	4,689	1,942	3,314	2,760	4,627
50%	0	2,042	1,049	2,971	7,056	6,962	3,390	2,504	3,523	1,420	2,284	2,368	3,439
60%	0	1,365	922	1,266	5,340	5,268	2,089	1,474	2,237	1,120	1,253	1,874	2,613
70%	0	1,013	841	895	2,311	3,735	1,266	805	1,299	788	451	863	1,694
80%	0	0	727	762	1,182	1,120	792	734	786	251	191	231	1,223
90%	0	0	272	13	786	702	681	531	653	72	0	115	785
Long Term													
Full Simulation Period[a]	626	2,927	2,771	5,465	6,695	6,296	4,548	4,460	4,384	1,957	2,356	2,553	3,753
Water Year Types[b]													
Wet (32%)	1,458	4,739	5,833	10,348	10,229	8,852	7,643	8,146	7,444	2,743	4,514	4,501	6,371
Above Normal (15%)	261	2,750	1,977	7,616	10,025	10,707	6,879	6,347	6,395	3,243	3,189	3,534	5,244
Below Normal (17%)	165	2,497	1,792	3,448	6,915	5,569	3,572	3,321	4,036	1,796	2,053	2,177	3,112
Dry (22%)	438	2,221	1,077	1,455	3,061	3,670	1,881	1,422	1,388	1,027	421	1,004	1,589
Critical (15%)	4	741	616	1,101	905	1,131	652	469	643	547	105	115	586

Alternative 1A,1B,1C (LLT) minus Existing Condition

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	2,144	7,461	9,040	13,982	13,355	10,452	10,202	11,291	11,474	4,550	4,823	5,268	7,049
20%	47	5,162	4,987	12,082	10,661	9,698	8,772	9,450	7,132	3,185	4,023	4,251	6,351
30%	0	3,547	1,968	9,194	10,108	9,264	7,500	7,243	5,535	2,380	3,645	3,735	5,547
40%	0	2,716	1,343	6,362	9,021	8,609	4,412	4,300	4,689	1,942	3,314	2,760	4,627
50%	0	2,042	1,049	2,971	7,056	6,962	3,390	2,504	3,523	1,420	2,284	2,368	3,439
60%	0	1,365	922	1,266	5,340	5,268	2,089	1,474	2,237	1,120	1,253	1,874	2,613
70%	0	1,013	841	895	2,311	3,735	1,266	805	1,299	788	451	863	1,694
80%	0	0	727	762	1,182	1,120	792	734	786	251	191	231	1,223
90%	0	0	272	13	786	702	681	531	653	72	0	115	785
Long Term													
Full Simulation Period[a]	626	2,927	2,771	5,465	6,695	6,296	4,548	4,460	4,384	1,957	2,356	2,553	3,753
Water Year Types[b]													
Wet (32%)	1,458	4,739	5,833	10,348	10,229	8,852	7,643	8,146	7,444	2,743	4,514	4,501	6,371
Above Normal (15%)	261	2,750	1,977	7,616	10,025	10,707	6,879	6,347	6,395	3,243	3,189	3,534	5,244
Below Normal (17%)	165	2,497	1,792	3,448	6,915	5,569	3,572	3,321	4,036	1,796	2,053	2,177	3,112
Dry (22%)	438	2,221	1,077	1,455	3,061	3,670	1,881	1,422	1,388	1,027	421	1,004	1,589
Critical (15%)	4	741	616	1,101	905	1,131	652	469	643	547	105	115	586

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-11-1-3. Isolated Facility Exports, Monthly Delivery Rate

Existing Condition

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	0	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0	0
Long Term													
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]													
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (17%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Dry (22%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0

Alternative 2A,2B,2C (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	4,296	6,140	8,390	14,488	14,531	11,812	10,711	11,758	10,728	4,861	5,346	6,951	7,713
20%	3,116	4,434	4,421	12,850	12,485	11,352	9,892	9,933	10,029	3,335	4,068	6,129	6,766
30%	2,394	2,658	1,683	9,937	11,241	9,981	8,058	7,124	8,846	2,725	3,433	4,137	6,129
40%	2,106	1,932	1,289	6,194	9,792	9,349	4,774	3,878	6,708	2,159	3,086	3,586	5,377
50%	1,744	1,691	1,015	2,960	8,070	7,258	3,361	1,971	5,001	1,588	2,511	1,828	3,438
60%	1,122	1,230	889	1,410	4,922	5,187	1,667	1,114	2,497	1,263	1,452	1,177	2,716
70%	757	1,100	817	968	2,288	3,611	842	768	919	899	541	472	1,678
80%	313	129	636	822	1,099	1,028	716	685	765	604	338	250	1,283
90%	0	0	79	688	763	704	645	522	659	255	0	0	788
Long Term													
Full Simulation Period[a]	1,967	2,465	2,586	5,750	7,258	6,794	4,792	4,457	5,280	2,085	2,429	2,934	4,066
Water Year Types[b]													
Wet (32%)	2,898	3,855	5,406	10,999	11,946	10,288	8,387	8,276	8,500	3,080	4,517	5,789	6,995
Above Normal (15%)	1,864	2,545	1,971	7,670	9,977	10,779	7,141	6,670	8,725	2,692	3,406	5,170	5,717
Below Normal (17%)	1,622	2,045	1,717	3,387	6,993	5,468	3,567	2,750	4,839	1,918	2,122	1,113	3,128
Dry (22%)	1,642	1,966	1,014	1,857	3,083	3,893	1,746	1,453	1,855	1,116	531	556	1,726
Critical (15%)	945	615	463	1,053	954	1,138	649	465	507	966	130	201	674

Alternative 2A,2B,2C (LLT) minus Existing Condition

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	4,296	6,140	8,390	14,488	14,531	11,812	10,711	11,758	10,728	4,861	5,346	6,951	7,713
20%	3,116	4,434	4,421	12,850	12,485	11,352	9,892	9,933	10,029	3,335	4,068	6,129	6,766
30%	2,394	2,658	1,683	9,937	11,241	9,981	8,058	7,124	8,846	2,725	3,433	4,137	6,129
40%	2,106	1,932	1,289	6,194	9,792	9,349	4,774	3,878	6,708	2,159	3,086	3,586	5,377
50%	1,744	1,691	1,015	2,960	8,070	7,258	3,361	1,971	5,001	1,588	2,511	1,828	3,438
60%	1,122	1,230	889	1,410	4,922	5,187	1,667	1,114	2,497	1,263	1,452	1,177	2,716
70%	757	1,100	817	968	2,288	3,611	842	768	919	899	541	472	1,678
80%	313	129	636	822	1,099	1,028	716	685	765	604	338	250	1,283
90%	0	0	79	688	763	704	645	522	659	255	0	0	788
Long Term													
Full Simulation Period[a]	1,967	2,465	2,586	5,750	7,258	6,794	4,792	4,457	5,280	2,085	2,429	2,934	4,066
Water Year Types[b]													
Wet (32%)	2,898	3,855	5,406	10,999	11,946	10,288	8,387	8,276	8,500	3,080	4,517	5,789	6,995
Above Normal (15%)	1,864	2,545	1,971	7,670	9,977	10,779	7,141	6,670	8,725	2,692	3,406	5,170	5,717
Below Normal (17%)	1,622	2,045	1,717	3,387	6,993	5,468	3,567	2,750	4,839	1,918	2,122	1,113	3,128
Dry (22%)	1,642	1,966	1,014	1,857	3,083	3,893	1,746	1,453	1,855	1,116	531	556	1,726
Critical (15%)	945	615	463	1,053	954	1,138	649	465	507	966	130	201	674

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-11-1-4. Isolated Facility Exports, Monthly Delivery Rate

Existing Condition

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	0	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0	0
Long Term													
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]													
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (17%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Dry (22%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0

Alternative 3 (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	2,367	5,028	4,752	6,000	6,000	6,000	5,653	5,967	6,000	4,747	4,486	5,300	4,511
20%	203	4,020	3,629	6,000	6,000	6,000	4,572	5,341	5,621	3,326	4,069	4,623	4,087
30%	0	3,302	1,556	5,646	6,000	6,000	4,128	4,840	4,801	2,499	3,688	3,687	3,696
40%	0	2,291	1,218	4,390	5,812	5,871	3,579	3,719	4,215	1,901	3,417	2,887	3,308
50%	0	1,763	793	2,282	4,328	5,208	2,775	2,612	3,247	1,390	2,209	2,174	2,722
60%	0	1,282	643	951	3,859	3,921	1,741	1,504	2,150	1,034	1,596	1,671	1,939
70%	0	851	600	732	1,811	3,041	1,020	697	1,301	573	533	823	1,389
80%	0	0	586	607	939	1,024	626	598	600	398	257	252	986
90%	0	0	217	178	601	593	589	525	585	239	0	126	718
Long Term													
Full Simulation Period[a]	579	2,181	1,647	3,004	3,851	4,120	2,809	2,900	3,190	1,952	2,351	2,417	2,583
Water Year Types[b]													
Wet (32%)	1,344	3,095	3,201	5,281	5,909	5,872	4,187	4,725	4,929	2,721	4,433	4,183	4,157
Above Normal (15%)	257	2,086	1,158	4,007	5,099	5,912	4,190	4,316	4,734	3,116	3,065	3,615	3,463
Below Normal (17%)	107	2,307	1,189	2,156	3,872	3,945	2,576	2,438	3,343	1,774	2,145	2,057	2,326
Dry (22%)	441	1,728	900	1,099	2,078	2,681	1,560	1,313	1,250	933	530	852	1,280
Critical (15%)	0	829	421	918	778	896	585	447	614	858	95	159	550

Alternative 3 (LLT) minus Existing Condition

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	2,367	5,028	4,752	6,000	6,000	6,000	5,653	5,967	6,000	4,747	4,486	5,300	4,511
20%	203	4,020	3,629	6,000	6,000	6,000	4,572	5,341	5,621	3,326	4,069	4,623	4,087
30%	0	3,302	1,556	5,646	6,000	6,000	4,128	4,840	4,801	2,499	3,688	3,687	3,696
40%	0	2,291	1,218	4,390	5,812	5,871	3,579	3,719	4,215	1,901	3,417	2,887	3,308
50%	0	1,763	793	2,282	4,328	5,208	2,775	2,612	3,247	1,390	2,209	2,174	2,722
60%	0	1,282	643	951	3,859	3,921	1,741	1,504	2,150	1,034	1,596	1,671	1,939
70%	0	851	600	732	1,811	3,041	1,020	697	1,301	573	533	823	1,389
80%	0	0	586	607	939	1,024	626	598	600	398	257	252	986
90%	0	0	217	178	601	593	589	525	585	239	0	126	718
Long Term													
Full Simulation Period[a]	579	2,181	1,647	3,004	3,851	4,120	2,809	2,900	3,190	1,952	2,351	2,417	2,583
Water Year Types[b]													
Wet (32%)	1,344	3,095	3,201	5,281	5,909	5,872	4,187	4,725	4,929	2,721	4,433	4,183	4,157
Above Normal (15%)	257	2,086	1,158	4,007	5,099	5,912	4,190	4,316	4,734	3,116	3,065	3,615	3,463
Below Normal (17%)	107	2,307	1,189	2,156	3,872	3,945	2,576	2,438	3,343	1,774	2,145	2,057	2,326
Dry (22%)	441	1,728	900	1,099	2,078	2,681	1,560	1,313	1,250	933	530	852	1,280
Critical (15%)	0	829	421	918	778	896	585	447	614	858	95	159	550

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-11-1-5. Isolated Facility Exports, Monthly Delivery Rate

Existing Condition

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	0	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0	0
Long Term													
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]													
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (17%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Dry (22%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0

Alternative 4 H1 (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	4,068	6,017	6,648	9,000	9,000	9,000	8,854	8,720	8,926	3,713	5,043	5,331	6,149
20%	3,460	4,683	4,171	8,692	9,000	9,000	8,339	8,273	8,242	2,907	4,128	4,342	5,510
30%	2,749	3,567	1,830	7,946	9,000	8,982	7,054	5,804	7,177	2,391	3,905	3,702	4,941
40%	1,990	2,594	1,410	5,852	7,424	7,641	4,957	3,096	6,136	1,606	3,241	2,778	4,228
50%	1,233	2,051	911	2,902	6,340	6,268	3,356	2,003	4,769	1,280	2,608	2,270	3,202
60%	792	1,371	870	1,170	4,504	4,685	1,767	1,264	3,799	947	1,785	1,833	2,564
70%	395	853	797	937	2,392	3,651	992	762	1,623	554	815	404	1,869
80%	86	371	611	804	1,029	1,187	715	664	775	329	359	250	1,304
90%	0	0	248	710	769	699	647	524	657	235	53	7	686
Long Term													
Full Simulation Period[a]	1,843	2,591	2,156	4,263	5,422	5,610	4,111	3,565	4,642	1,737	2,547	2,502	3,416
Water Year Types[b]													
Wet (32%)	2,641	3,859	4,374	7,633	8,716	8,388	6,904	6,496	7,154	2,472	4,550	4,534	5,643
Above Normal (15%)	1,292	2,487	1,513	5,611	7,190	8,292	6,076	4,987	6,916	1,916	3,619	3,204	4,425
Below Normal (17%)	1,569	2,619	1,600	2,876	5,303	5,187	3,323	2,487	5,116	1,971	2,248	2,457	3,063
Dry (22%)	1,778	1,877	943	1,667	2,576	3,152	1,688	1,292	1,813	957	771	735	1,604
Critical (15%)	1,083	990	459	1,123	925	1,089	652	462	612	860	148	103	709

Alternative 4 H1 (LLT) minus Existing Condition

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	4,068	6,017	6,648	9,000	9,000	9,000	8,854	8,720	8,926	3,713	5,043	5,331	6,149
20%	3,460	4,683	4,171	8,692	9,000	9,000	8,339	8,273	8,242	2,907	4,128	4,342	5,510
30%	2,749	3,567	1,830	7,946	9,000	8,982	7,054	5,804	7,177	2,391	3,905	3,702	4,941
40%	1,990	2,594	1,410	5,852	7,424	7,641	4,957	3,096	6,136	1,606	3,241	2,778	4,228
50%	1,233	2,051	911	2,902	6,340	6,268	3,356	2,003	4,769	1,280	2,608	2,270	3,202
60%	792	1,371	870	1,170	4,504	4,685	1,767	1,264	3,799	947	1,785	1,833	2,564
70%	395	853	797	937	2,392	3,651	992	762	1,623	554	815	404	1,869
80%	86	371	611	804	1,029	1,187	715	664	775	329	359	250	1,304
90%	0	0	248	710	769	699	647	524	657	235	53	7	686
Long Term													
Full Simulation Period[a]	1,843	2,591	2,156	4,263	5,422	5,610	4,111	3,565	4,642	1,737	2,547	2,502	3,416
Water Year Types[b]													
Wet (32%)	2,641	3,859	4,374	7,633	8,716	8,388	6,904	6,496	7,154	2,472	4,550	4,534	5,643
Above Normal (15%)	1,292	2,487	1,513	5,611	7,190	8,292	6,076	4,987	6,916	1,916	3,619	3,204	4,425
Below Normal (17%)	1,569	2,619	1,600	2,876	5,303	5,187	3,323	2,487	5,116	1,971	2,248	2,457	3,063
Dry (22%)	1,778	1,877	943	1,667	2,576	3,152	1,688	1,292	1,813	957	771	735	1,604
Critical (15%)	1,083	990	459	1,123	925	1,089	652	462	612	860	148	103	709

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-11-1-6. Isolated Facility Exports, Monthly Delivery Rate

Existing Condition

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	0	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0	0
Long Term													
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]													
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (17%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Dry (22%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0

Alternative 4 H2 (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	4,758	6,046	7,037	9,000	9,000	9,000	8,120	8,409	8,091	4,680	4,025	5,358	5,738
20%	3,189	4,628	4,441	8,692	9,000	9,000	7,108	4,838	6,196	2,813	3,694	4,279	4,835
30%	1,849	3,305	1,733	7,861	9,000	8,715	5,238	3,037	4,395	2,164	2,855	3,339	3,864
40%	1,539	2,580	1,294	6,014	7,070	6,224	1,500	1,500	3,355	1,557	2,565	2,123	3,421
50%	1,150	2,128	895	2,901	6,159	3,860	1,500	975	2,605	1,102	1,826	1,830	2,663
60%	910	1,628	818	1,369	4,571	1,500	969	752	1,391	947	1,042	798	2,062
70%	489	860	697	997	2,212	1,500	702	661	989	642	346	334	1,629
80%	253	285	636	790	1,068	928	649	557	764	300	133	160	1,227
90%	0	0	540	126	767	699	567	344	648	23	1	0	738
Long Term													
Full Simulation Period[a]	1,786	2,649	2,219	4,217	5,389	4,615	3,120	2,622	3,244	1,769	1,916	2,250	2,983
Water Year Types[b]													
Wet (32%)	2,746	3,940	4,487	7,648	8,618	6,990	5,587	5,034	5,621	2,530	3,385	4,510	5,091
Above Normal (15%)	1,087	2,466	1,461	5,537	7,402	7,409	4,103	3,610	3,803	2,603	3,062	2,255	3,733
Below Normal (17%)	1,921	2,721	1,563	2,837	5,027	3,365	2,488	1,203	2,885	1,691	1,411	1,729	2,404
Dry (22%)	1,290	2,006	1,084	1,570	2,586	2,668	1,092	1,021	1,539	823	527	598	1,400
Critical (15%)	989	912	533	1,046	1,006	1,052	572	462	511	798	258	432	714

Alternative 4 H2 (LLT) minus Existing Condition

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	4,758	6,046	7,037	9,000	9,000	9,000	8,120	8,409	8,091	4,680	4,025	5,358	5,738
20%	3,189	4,628	4,441	8,692	9,000	9,000	7,108	4,838	6,196	2,813	3,694	4,279	4,835
30%	1,849	3,305	1,733	7,861	9,000	8,715	5,238	3,037	4,395	2,164	2,855	3,339	3,864
40%	1,539	2,580	1,294	6,014	7,070	6,224	1,500	1,500	3,355	1,557	2,565	2,123	3,421
50%	1,150	2,128	895	2,901	6,159	3,860	1,500	975	2,605	1,102	1,826	1,830	2,663
60%	910	1,628	818	1,369	4,571	1,500	969	752	1,391	947	1,042	798	2,062
70%	489	860	697	997	2,212	1,500	702	661	989	642	346	334	1,629
80%	253	285	636	790	1,068	928	649	557	764	300	133	160	1,227
90%	0	0	540	126	767	699	567	344	648	23	1	0	738
Long Term													
Full Simulation Period[a]	1,786	2,649	2,219	4,217	5,389	4,615	3,120	2,622	3,244	1,769	1,916	2,250	2,983
Water Year Types[b]													
Wet (32%)	2,746	3,940	4,487	7,648	8,618	6,990	5,587	5,034	5,621	2,530	3,385	4,510	5,091
Above Normal (15%)	1,087	2,466	1,461	5,537	7,402	7,409	4,103	3,610	3,803	2,603	3,062	2,255	3,733
Below Normal (17%)	1,921	2,721	1,563	2,837	5,027	3,365	2,488	1,203	2,885	1,691	1,411	1,729	2,404
Dry (22%)	1,290	2,006	1,084	1,570	2,586	2,668	1,092	1,021	1,539	823	527	598	1,400
Critical (15%)	989	912	533	1,046	1,006	1,052	572	462	511	798	258	432	714

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-11-1-7. Isolated Facility Exports, Monthly Delivery Rate

Existing Condition

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	0	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0	0
Long Term													
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]													
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (17%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Dry (22%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0

Alternative 4 H3 (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	4,252	5,744	6,468	9,000	9,000	9,000	9,000	8,810	8,934	3,669	4,645	7,270	6,122
20%	3,195	3,875	3,814	8,692	9,000	9,000	8,359	8,275	8,247	2,911	4,028	5,831	5,475
30%	2,703	2,816	1,553	7,873	9,000	8,982	7,008	6,020	7,388	2,189	3,535	4,347	4,887
40%	2,175	1,917	1,179	5,078	7,894	7,890	4,841	3,199	6,549	1,502	2,916	3,504	4,353
50%	1,675	1,599	919	2,604	6,275	6,489	3,291	1,980	5,089	1,319	2,134	1,986	3,072
60%	1,030	1,197	842	1,421	4,499	4,409	1,667	1,040	2,631	1,023	1,368	1,161	2,293
70%	726	997	800	965	2,153	3,468	828	763	1,082	604	581	343	1,571
80%	203	37	582	812	1,038	1,423	698	643	775	418	300	191	1,316
90%	0	0	183	707	702	699	643	522	658	235	4	0	781
Long Term													
Full Simulation Period[a]	1,949	2,219	1,997	4,174	5,393	5,551	4,100	3,589	4,617	1,710	2,277	2,954	3,377
Water Year Types[b]													
Wet (32%)	2,788	3,258	3,960	7,611	8,780	8,470	6,981	6,559	7,257	2,363	4,120	5,719	5,655
Above Normal (15%)	1,807	2,334	1,465	5,435	7,315	8,160	5,926	5,088	6,972	1,938	3,556	5,192	4,599
Below Normal (17%)	1,512	2,309	1,474	2,641	4,973	4,618	3,268	2,459	4,700	1,834	1,911	1,415	2,759
Dry (22%)	1,803	1,709	920	1,614	2,555	3,324	1,670	1,263	1,879	1,082	503	510	1,569
Critical (15%)	1,001	510	499	1,098	878	1,048	643	464	550	864	92	184	653

Alternative 4 H3 (LLT) minus Existing Condition

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	4,252	5,744	6,468	9,000	9,000	9,000	9,000	8,810	8,934	3,669	4,645	7,270	6,122
20%	3,195	3,875	3,814	8,692	9,000	9,000	8,359	8,275	8,247	2,911	4,028	5,831	5,475
30%	2,703	2,816	1,553	7,873	9,000	8,982	7,008	6,020	7,388	2,189	3,535	4,347	4,887
40%	2,175	1,917	1,179	5,078	7,894	7,890	4,841	3,199	6,549	1,502	2,916	3,504	4,353
50%	1,675	1,599	919	2,604	6,275	6,489	3,291	1,980	5,089	1,319	2,134	1,986	3,072
60%	1,030	1,197	842	1,421	4,499	4,409	1,667	1,040	2,631	1,023	1,368	1,161	2,293
70%	726	997	800	965	2,153	3,468	828	763	1,082	604	581	343	1,571
80%	203	37	582	812	1,038	1,423	698	643	775	418	300	191	1,316
90%	0	0	183	707	702	699	643	522	658	235	4	0	781
Long Term													
Full Simulation Period[a]	1,949	2,219	1,997	4,174	5,393	5,551	4,100	3,589	4,617	1,710	2,277	2,954	3,377
Water Year Types[b]													
Wet (32%)	2,788	3,258	3,960	7,611	8,780	8,470	6,981	6,559	7,257	2,363	4,120	5,719	5,655
Above Normal (15%)	1,807	2,334	1,465	5,435	7,315	8,160	5,926	5,088	6,972	1,938	3,556	5,192	4,599
Below Normal (17%)	1,512	2,309	1,474	2,641	4,973	4,618	3,268	2,459	4,700	1,834	1,911	1,415	2,759
Dry (22%)	1,803	1,709	920	1,614	2,555	3,324	1,670	1,263	1,879	1,082	503	510	1,569
Critical (15%)	1,001	510	499	1,098	878	1,048	643	464	550	864	92	184	653

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-11-1-8. Isolated Facility Exports, Monthly Delivery Rate

Existing Condition

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	0	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0	0
Long Term													
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]													
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (17%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Dry (22%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0

Alternative 4 H4 (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	3,967	5,911	6,648	9,000	9,000	9,000	8,485	8,342	8,090	4,541	4,207	7,849	5,809
20%	2,941	4,177	3,860	8,692	9,000	9,000	7,131	5,174	5,825	2,828	3,547	6,701	4,904
30%	2,350	2,738	1,594	7,929	9,000	8,699	5,168	2,251	4,467	2,330	2,872	4,799	4,156
40%	2,072	2,048	1,143	5,685	7,301	5,947	1,500	1,500	3,129	1,800	2,070	3,845	3,513
50%	1,464	1,837	901	2,359	5,913	3,314	1,500	885	2,168	1,283	1,287	1,484	2,561
60%	1,258	1,340	823	1,283	4,372	1,500	851	750	1,190	992	693	842	1,867
70%	980	1,066	758	976	1,956	1,500	673	648	836	656	215	221	1,466
80%	430	42	635	799	966	928	640	544	763	411	119	132	1,172
90%	0	0	528	661	752	699	521	343	648	137	0	0	726
Long Term													
Full Simulation Period[a]	1,890	2,315	2,053	4,133	5,270	4,528	3,145	2,556	3,203	1,816	1,781	3,023	2,976
Water Year Types[b]													
Wet (32%)	2,620	3,414	4,028	7,549	8,564	7,018	5,715	4,926	5,526	2,661	3,300	6,230	5,129
Above Normal (15%)	1,760	2,588	1,463	5,366	7,364	7,191	4,142	3,615	4,044	2,287	3,175	5,224	4,018
Below Normal (17%)	1,855	2,222	1,465	2,536	4,685	3,092	2,439	1,115	3,014	1,653	1,113	1,047	2,186
Dry (22%)	1,476	1,823	1,058	1,649	2,458	2,597	1,060	943	1,252	1,075	272	303	1,330
Critical (15%)	1,103	507	542	1,091	941	1,041	533	461	479	813	140	258	659

Alternative 4 H4 (LLT) minus Existing Condition

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	3,967	5,911	6,648	9,000	9,000	9,000	8,485	8,342	8,090	4,541	4,207	7,849	5,809
20%	2,941	4,177	3,860	8,692	9,000	9,000	7,131	5,174	5,825	2,828	3,547	6,701	4,904
30%	2,350	2,738	1,594	7,929	9,000	8,699	5,168	2,251	4,467	2,330	2,872	4,799	4,156
40%	2,072	2,048	1,143	5,685	7,301	5,947	1,500	1,500	3,129	1,800	2,070	3,845	3,513
50%	1,464	1,837	901	2,359	5,913	3,314	1,500	885	2,168	1,283	1,287	1,484	2,561
60%	1,258	1,340	823	1,283	4,372	1,500	851	750	1,190	992	693	842	1,867
70%	980	1,066	758	976	1,956	1,500	673	648	836	656	215	221	1,466
80%	430	42	635	799	966	928	640	544	763	411	119	132	1,172
90%	0	0	528	661	752	699	521	343	648	137	0	0	726
Long Term													
Full Simulation Period[a]	1,890	2,315	2,053	4,133	5,270	4,528	3,145	2,556	3,203	1,816	1,781	3,023	2,976
Water Year Types[b]													
Wet (32%)	2,620	3,414	4,028	7,549	8,564	7,018	5,715	4,926	5,526	2,661	3,300	6,230	5,129
Above Normal (15%)	1,760	2,588	1,463	5,366	7,364	7,191	4,142	3,615	4,044	2,287	3,175	5,224	4,018
Below Normal (17%)	1,855	2,222	1,465	2,536	4,685	3,092	2,439	1,115	3,014	1,653	1,113	1,047	2,186
Dry (22%)	1,476	1,823	1,058	1,649	2,458	2,597	1,060	943	1,252	1,075	272	303	1,330
Critical (15%)	1,103	507	542	1,091	941	1,041	533	461	479	813	140	258	659

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-11-1-9. Isolated Facility Exports, Monthly Delivery Rate

Existing Condition

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	0	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0	0
Long Term													
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]													
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (17%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Dry (22%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0

Alternative 5 (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	3,000	2,973	2,306	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	2,622
20%	3,000	2,388	1,843	3,000	3,000	3,000	3,000	2,976	3,000	3,000	3,000	3,000	2,387
30%	2,498	2,073	955	2,914	3,000	3,000	2,957	2,607	3,000	2,649	3,000	2,945	2,287
40%	2,091	1,781	704	2,427	3,000	3,000	2,694	2,107	2,959	2,354	2,873	1,764	2,065
50%	0	1,461	498	1,571	2,439	2,872	1,956	1,374	2,796	1,943	2,134	1,355	1,793
60%	0	1,081	395	849	2,057	2,414	1,231	798	2,542	1,312	1,651	1,152	1,339
70%	0	293	311	552	1,394	1,856	599	357	1,442	812	687	653	1,172
80%	0	0	300	397	532	759	300	300	300	633	300	221	888
90%	0	0	237	301	307	300	300	300	300	325	133	0	414
Long Term													
Full Simulation Period[a]	1,210	1,355	888	1,633	2,004	2,180	1,767	1,535	2,060	1,751	1,815	1,563	1,647
Water Year Types[b]													
Wet (32%)	1,758	1,846	1,649	2,786	2,967	2,990	2,639	2,485	2,954	2,145	2,819	2,677	2,476
Above Normal (15%)	1,156	1,381	653	2,138	2,554	2,897	2,562	2,271	2,837	1,631	2,594	2,229	2,075
Below Normal (17%)	1,150	1,494	675	1,141	2,001	2,270	1,727	1,199	2,252	1,922	1,967	1,090	1,574
Dry (22%)	978	1,050	534	759	1,283	1,569	957	779	1,287	1,826	886	728	1,053
Critical (15%)	494	564	254	513	454	520	343	267	278	705	81	287	397

Alternative 5 (LLT) minus Existing Condition

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	3,000	2,973	2,306	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	2,622
20%	3,000	2,388	1,843	3,000	3,000	3,000	3,000	2,976	3,000	3,000	3,000	3,000	2,387
30%	2,498	2,073	955	2,914	3,000	3,000	2,957	2,607	3,000	2,649	3,000	2,945	2,287
40%	2,091	1,781	704	2,427	3,000	3,000	2,694	2,107	2,959	2,354	2,873	1,764	2,065
50%	0	1,461	498	1,571	2,439	2,872	1,956	1,374	2,796	1,943	2,134	1,355	1,793
60%	0	1,081	395	849	2,057	2,414	1,231	798	2,542	1,312	1,651	1,152	1,339
70%	0	293	311	552	1,394	1,856	599	357	1,442	812	687	653	1,172
80%	0	0	300	397	532	759	300	300	300	633	300	221	888
90%	0	0	237	301	307	300	300	300	300	325	133	0	414
Long Term													
Full Simulation Period[a]	1,210	1,355	888	1,633	2,004	2,180	1,767	1,535	2,060	1,751	1,815	1,563	1,647
Water Year Types[b]													
Wet (32%)	1,758	1,846	1,649	2,786	2,967	2,990	2,639	2,485	2,954	2,145	2,819	2,677	2,476
Above Normal (15%)	1,156	1,381	653	2,138	2,554	2,897	2,562	2,271	2,837	1,631	2,594	2,229	2,075
Below Normal (17%)	1,150	1,494	675	1,141	2,001	2,270	1,727	1,199	2,252	1,922	1,967	1,090	1,574
Dry (22%)	978	1,050	534	759	1,283	1,569	957	779	1,287	1,826	886	728	1,053
Critical (15%)	494	564	254	513	454	520	343	267	278	705	81	287	397

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-11-1-10. Isolated Facility Exports, Monthly Delivery Rate

Existing Condition

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	0	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0	0
Long Term													
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]													
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (17%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Dry (22%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0

Alternative 6A,6B,6C (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	5,545	6,318	8,887	14,514	14,527	13,160	11,995	11,723	10,674	13,302	9,779	6,891	8,679
20%	4,949	4,984	4,620	14,292	14,515	11,845	9,959	9,602	7,619	11,168	8,008	6,555	7,777
30%	4,169	3,708	1,651	10,964	13,600	10,504	8,188	4,286	4,475	10,310	7,263	6,192	7,072
40%	3,980	2,839	1,343	6,257	10,457	9,292	4,558	1,908	3,188	8,884	6,583	5,819	6,146
50%	3,342	2,244	1,024	2,620	9,391	7,556	3,201	1,379	1,548	7,973	6,050	5,383	5,095
60%	2,807	2,104	820	1,729	4,953	5,187	1,569	1,170	818	7,079	5,567	4,822	3,823
70%	2,556	1,940	705	969	1,872	3,305	707	947	722	6,324	4,802	4,063	3,104
80%	2,116	1,493	607	839	1,090	1,484	623	690	663	5,821	3,845	3,284	2,591
90%	1,176	1,296	503	736	762	690	587	613	596	4,252	3,107	2,551	2,005
Long Term													
Full Simulation Period[a]	3,416	3,276	2,678	6,017	7,867	7,093	4,807	4,010	3,704	8,284	6,253	4,960	5,197
Water Year Types[b]													
Wet (32%)	4,036	4,377	5,669	11,513	13,234	11,038	8,746	8,173	6,866	9,175	7,793	5,944	8,047
Above Normal (15%)	2,940	3,091	2,208	8,318	11,634	11,367	7,285	4,973	5,684	9,459	7,287	6,561	6,734
Below Normal (17%)	3,312	3,162	1,296	3,159	6,756	5,728	3,326	1,826	2,560	10,314	7,601	5,886	4,577
Dry (22%)	3,301	3,008	1,120	1,991	3,046	3,610	1,421	1,084	790	6,945	4,882	3,970	2,931
Critical (15%)	2,844	1,613	617	1,180	995	1,089	604	968	579	4,816	2,368	1,634	1,609

Alternative 6A,6B,6C (LLT) minus Existing Condition

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	5,545	6,318	8,887	14,514	14,527	13,160	11,995	11,723	10,674	13,302	9,779	6,891	8,679
20%	4,949	4,984	4,620	14,292	14,515	11,845	9,959	9,602	7,619	11,168	8,008	6,555	7,777
30%	4,169	3,708	1,651	10,964	13,600	10,504	8,188	4,286	4,475	10,310	7,263	6,192	7,072
40%	3,980	2,839	1,343	6,257	10,457	9,292	4,558	1,908	3,188	8,884	6,583	5,819	6,146
50%	3,342	2,244	1,024	2,620	9,391	7,556	3,201	1,379	1,548	7,973	6,050	5,383	5,095
60%	2,807	2,104	820	1,729	4,953	5,187	1,569	1,170	818	7,079	5,567	4,822	3,823
70%	2,556	1,940	705	969	1,872	3,305	707	947	722	6,324	4,802	4,063	3,104
80%	2,116	1,493	607	839	1,090	1,484	623	690	663	5,821	3,845	3,284	2,591
90%	1,176	1,296	503	736	762	690	587	613	596	4,252	3,107	2,551	2,005
Long Term													
Full Simulation Period[a]	3,416	3,276	2,678	6,017	7,867	7,093	4,807	4,010	3,704	8,284	6,253	4,960	5,197
Water Year Types[b]													
Wet (32%)	4,036	4,377	5,669	11,513	13,234	11,038	8,746	8,173	6,866	9,175	7,793	5,944	8,047
Above Normal (15%)	2,940	3,091	2,208	8,318	11,634	11,367	7,285	4,973	5,684	9,459	7,287	6,561	6,734
Below Normal (17%)	3,312	3,162	1,296	3,159	6,756	5,728	3,326	1,826	2,560	10,314	7,601	5,886	4,577
Dry (22%)	3,301	3,008	1,120	1,991	3,046	3,610	1,421	1,084	790	6,945	4,882	3,970	2,931
Critical (15%)	2,844	1,613	617	1,180	995	1,089	604	968	579	4,816	2,368	1,634	1,609

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-11-1-11. Isolated Facility Exports, Monthly Delivery Rate

Existing Condition

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	0	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0	0
Long Term													
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]													
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (17%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Dry (22%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0

Alternative 7 (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	5,934	6,005	6,141	9,000	9,000	9,000	9,000	9,000	8,246	2,432	2,844	6,918	5,888
20%	4,947	4,704	3,916	8,739	9,000	9,000	9,000	8,236	7,403	1,970	1,967	5,440	5,330
30%	4,314	3,468	1,581	7,323	9,000	8,998	6,851	4,321	5,800	1,695	1,397	4,420	4,772
40%	3,990	2,455	1,107	4,737	7,379	7,366	4,154	1,823	4,735	1,366	1,051	3,864	4,051
50%	3,273	2,211	831	2,605	6,113	5,901	2,137	1,478	2,984	963	559	1,776	2,694
60%	3,005	1,947	691	1,516	3,990	3,681	950	1,221	655	446	167	923	1,850
70%	2,620	1,722	594	858	1,914	2,362	573	934	596	287	125	426	1,569
80%	2,534	1,447	504	709	992	1,184	525	581	582	151	0	90	1,386
90%	1,165	1,100	430	604	630	580	475	511	577	0	0	0	960
Long Term													
Full Simulation Period[a]	3,539	2,916	1,962	4,078	5,262	5,259	3,870	3,292	3,662	1,201	1,038	2,838	3,243
Water Year Types[b]													
Wet (32%)	4,186	3,653	4,052	7,448	8,691	8,335	7,198	6,390	6,712	1,259	1,911	5,594	5,452
Above Normal (15%)	3,007	2,668	1,431	5,518	7,276	8,188	5,879	4,579	6,117	996	1,977	4,747	4,365
Below Normal (17%)	3,363	3,079	1,086	2,425	4,661	4,133	2,569	1,414	2,300	1,124	645	1,250	2,337
Dry (22%)	3,489	2,822	937	1,557	2,359	2,631	973	843	717	1,301	133	622	1,532
Critical (15%)	2,946	1,520	522	1,046	870	923	514	1,159	602	1,218	22	137	957

Alternative 7 (LLT) minus Existing Condition

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	5,934	6,005	6,141	9,000	9,000	9,000	9,000	9,000	8,246	2,432	2,844	6,918	5,888
20%	4,947	4,704	3,916	8,739	9,000	9,000	9,000	8,236	7,403	1,970	1,967	5,440	5,330
30%	4,314	3,468	1,581	7,323	9,000	8,998	6,851	4,321	5,800	1,695	1,397	4,420	4,772
40%	3,990	2,455	1,107	4,737	7,379	7,366	4,154	1,823	4,735	1,366	1,051	3,864	4,051
50%	3,273	2,211	831	2,605	6,113	5,901	2,137	1,478	2,984	963	559	1,776	2,694
60%	3,005	1,947	691	1,516	3,990	3,681	950	1,221	655	446	167	923	1,850
70%	2,620	1,722	594	858	1,914	2,362	573	934	596	287	125	426	1,569
80%	2,534	1,447	504	709	992	1,184	525	581	582	151	0	90	1,386
90%	1,165	1,100	430	604	630	580	475	511	577	0	0	0	960
Long Term													
Full Simulation Period[a]	3,539	2,916	1,962	4,078	5,262	5,259	3,870	3,292	3,662	1,201	1,038	2,838	3,243
Water Year Types[b]													
Wet (32%)	4,186	3,653	4,052	7,448	8,691	8,335	7,198	6,390	6,712	1,259	1,911	5,594	5,452
Above Normal (15%)	3,007	2,668	1,431	5,518	7,276	8,188	5,879	4,579	6,117	996	1,977	4,747	4,365
Below Normal (17%)	3,363	3,079	1,086	2,425	4,661	4,133	2,569	1,414	2,300	1,124	645	1,250	2,337
Dry (22%)	3,489	2,822	937	1,557	2,359	2,631	973	843	717	1,301	133	622	1,532
Critical (15%)	2,946	1,520	522	1,046	870	923	514	1,159	602	1,218	22	137	957

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-11-1-12. Isolated Facility Exports, Monthly Delivery Rate

Existing Condition

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	0	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0	0
Long Term													
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]													
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (17%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Dry (22%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0

Alternative 8 (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	2,607	5,005	6,617	9,000	9,000	9,000	9,000	9,000	7,789	2,612	0	2,960	5,421
20%	2,450	3,545	3,967	8,832	9,000	9,000	9,000	8,994	6,178	1,442	0	1,862	4,873
30%	2,227	2,426	1,521	7,728	9,000	9,000	9,000	7,903	4,645	753	0	1,274	4,337
40%	1,838	1,511	1,223	5,668	8,157	8,287	7,995	6,278	2,992	489	0	1,100	3,717
50%	1,403	1,199	776	3,067	6,359	7,115	5,657	3,241	1,078	304	0	920	2,850
60%	1,100	1,093	676	1,725	4,876	5,357	4,078	1,765	758	0	0	656	1,989
70%	1,061	918	581	992	2,883	3,714	1,947	1,272	548	0	0	380	1,669
80%	409	807	494	729	1,193	1,822	1,314	1,071	521	0	0	0	1,251
90%	159	330	413	578	643	748	613	919	477	0	0	0	749
Long Term													
Full Simulation Period[a]	1,661	2,077	1,980	4,295	5,567	5,849	5,290	4,542	2,994	899	80	1,124	3,030
Water Year Types[b]													
Wet (32%)	2,521	2,860	4,020	7,563	8,792	8,496	8,152	7,740	6,122	1,529	240	1,748	4,982
Above Normal (15%)	1,745	2,451	1,417	5,840	7,523	8,290	7,594	6,560	3,864	829	24	2,137	4,023
Below Normal (17%)	1,254	1,883	1,330	2,872	4,873	5,517	5,588	3,889	1,718	842	0	825	2,549
Dry (22%)	1,250	1,824	911	1,756	3,234	3,787	2,459	1,357	554	650	0	414	1,516
Critical (15%)	808	615	488	1,135	936	1,156	685	1,131	496	40	0	176	639

Alternative 8 (LLT) minus Existing Condition

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	2,607	5,005	6,617	9,000	9,000	9,000	9,000	9,000	7,789	2,612	0	2,960	5,421
20%	2,450	3,545	3,967	8,832	9,000	9,000	9,000	8,994	6,178	1,442	0	1,862	4,873
30%	2,227	2,426	1,521	7,728	9,000	9,000	9,000	7,903	4,645	753	0	1,274	4,337
40%	1,838	1,511	1,223	5,668	8,157	8,287	7,995	6,278	2,992	489	0	1,100	3,717
50%	1,403	1,199	776	3,067	6,359	7,115	5,657	3,241	1,078	304	0	920	2,850
60%	1,100	1,093	676	1,725	4,876	5,357	4,078	1,765	758	0	0	656	1,989
70%	1,061	918	581	992	2,883	3,714	1,947	1,272	548	0	0	380	1,669
80%	409	807	494	729	1,193	1,822	1,314	1,071	521	0	0	0	1,251
90%	159	330	413	578	643	748	613	919	477	0	0	0	749
Long Term													
Full Simulation Period[a]	1,661	2,077	1,980	4,295	5,567	5,849	5,290	4,542	2,994	899	80	1,124	3,030
Water Year Types[b]													
Wet (32%)	2,521	2,860	4,020	7,563	8,792	8,496	8,152	7,740	6,122	1,529	240	1,748	4,982
Above Normal (15%)	1,745	2,451	1,417	5,840	7,523	8,290	7,594	6,560	3,864	829	24	2,137	4,023
Below Normal (17%)	1,254	1,883	1,330	2,872	4,873	5,517	5,588	3,889	1,718	842	0	825	2,549
Dry (22%)	1,250	1,824	911	1,756	3,234	3,787	2,459	1,357	554	650	0	414	1,516
Critical (15%)	808	615	488	1,135	936	1,156	685	1,131	496	40	0	176	639

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-11-1-13. Isolated Facility Exports, Monthly Delivery Rate

Existing Condition

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	0	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0	0
Long Term													
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]													
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (17%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Dry (22%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0

Alternative 9 (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	0	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0	0
Long Term													
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]													
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (17%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Dry (22%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0

Alternative 9 (LLT) minus Existing Condition

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	0	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0	0
Long Term													
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]													
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (17%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Dry (22%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-11-1-14. Isolated Facility Exports, Monthly Delivery Rate

No Action Alternative (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**AVG**
Probability of Exceedance													
10%	0	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0	0
Long Term													
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]													
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (17%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Dry (22%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0

Alternative 1A,1B,1C (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**AVG**
Probability of Exceedance													
10%	2,144	7,461	9,040	13,982	13,355	10,452	10,202	11,291	11,474	4,550	4,823	5,268	7,049
20%	47	5,162	4,987	12,082	10,661	9,698	8,772	9,450	7,132	3,185	4,023	4,251	6,351
30%	0	3,547	1,968	9,194	10,108	9,264	7,500	7,243	5,535	2,380	3,645	3,735	5,547
40%	0	2,716	1,343	6,362	9,021	8,609	4,412	4,300	4,689	1,942	3,314	2,760	4,627
50%	0	2,042	1,049	2,971	7,056	6,962	3,390	2,504	3,523	1,420	2,284	2,368	3,439
60%	0	1,365	922	1,266	5,340	5,268	2,089	1,474	2,237	1,120	1,253	1,874	2,613
70%	0	1,013	841	895	2,311	3,735	1,266	805	1,299	788	451	863	1,694
80%	0	0	727	762	1,182	1,120	792	734	786	251	191	231	1,223
90%	0	0	272	13	786	702	681	531	653	72	0	115	785
Long Term													
Full Simulation Period[a]	626	2,927	2,771	5,465	6,695	6,296	4,548	4,460	4,384	1,957	2,356	2,553	3,753
Water Year Types[b]													
Wet (32%)	1,458	4,739	5,833	10,348	10,229	8,852	7,643	8,146	7,444	2,743	4,514	4,501	6,371
Above Normal (15%)	261	2,750	1,977	7,616	10,025	10,707	6,879	6,347	6,395	3,243	3,189	3,534	5,244
Below Normal (17%)	165	2,497	1,792	3,448	6,915	5,569	3,572	3,321	4,036	1,796	2,053	2,177	3,112
Dry (22%)	438	2,221	1,077	1,455	3,061	3,670	1,881	1,422	1,388	1,027	421	1,004	1,589
Critical (15%)	4	741	616	1,101	905	1,131	652	469	643	547	105	115	586

Alternative 1A,1B,1C (LLT) minus No Action Alternative (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**AVG**
Probability of Exceedance													
10%	2,144	7,461	9,040	13,982	13,355	10,452	10,202	11,291	11,474	4,550	4,823	5,268	7,049
20%	47	5,162	4,987	12,082	10,661	9,698	8,772	9,450	7,132	3,185	4,023	4,251	6,351
30%	0	3,547	1,968	9,194	10,108	9,264	7,500	7,243	5,535	2,380	3,645	3,735	5,547
40%	0	2,716	1,343	6,362	9,021	8,609	4,412	4,300	4,689	1,942	3,314	2,760	4,627
50%	0	2,042	1,049	2,971	7,056	6,962	3,390	2,504	3,523	1,420	2,284	2,368	3,439
60%	0	1,365	922	1,266	5,340	5,268	2,089	1,474	2,237	1,120	1,253	1,874	2,613
70%	0	1,013	841	895	2,311	3,735	1,266	805	1,299	788	451	863	1,694
80%	0	0	727	762	1,182	1,120	792	734	786	251	191	231	1,223
90%	0	0	272	13	786	702	681	531	653	72	0	115	785
Long Term													
Full Simulation Period[a]	626	2,927	2,771	5,465	6,695	6,296	4,548	4,460	4,384	1,957	2,356	2,553	3,753
Water Year Types[b]													
Wet (32%)	1,458	4,739	5,833	10,348	10,229	8,852	7,643	8,146	7,444	2,743	4,514	4,501	6,371
Above Normal (15%)	261	2,750	1,977	7,616	10,025	10,707	6,879	6,347	6,395	3,243	3,189	3,534	5,244
Below Normal (17%)	165	2,497	1,792	3,448	6,915	5,569	3,572	3,321	4,036	1,796	2,053	2,177	3,112
Dry (22%)	438	2,221	1,077	1,455	3,061	3,670	1,881	1,422	1,388	1,027	421	1,004	1,589
Critical (15%)	4	741	616	1,101	905	1,131	652	469	643	547	105	115	586

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-11-1-15. Isolated Facility Exports, Monthly Delivery Rate

No Action Alternative (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**AVG**
Probability of Exceedance													
10%	0	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0	0
Long Term													
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]													
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (17%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Dry (22%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0

Alternative 2A,2B,2C (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**AVG**
Probability of Exceedance													
10%	4,296	6,140	8,390	14,488	14,531	11,812	10,711	11,758	10,728	4,861	5,346	6,951	7,713
20%	3,116	4,434	4,421	12,850	12,485	11,352	9,892	9,933	10,029	3,335	4,068	6,129	6,766
30%	2,394	2,658	1,683	9,937	11,241	9,981	8,058	7,124	8,846	2,725	3,433	4,137	6,129
40%	2,106	1,932	1,289	6,194	9,792	9,349	4,774	3,878	6,708	2,159	3,086	3,586	5,377
50%	1,744	1,691	1,015	2,960	8,070	7,258	3,361	1,971	5,001	1,588	2,511	1,828	3,438
60%	1,122	1,230	889	1,410	4,922	5,187	1,667	1,114	2,497	1,263	1,452	1,177	2,716
70%	757	1,100	817	968	2,288	3,611	842	768	919	899	541	472	1,678
80%	313	129	636	822	1,099	1,028	716	685	765	604	338	250	1,283
90%	0	0	79	688	763	704	645	522	659	255	0	0	788
Long Term													
Full Simulation Period[a]	1,967	2,465	2,586	5,750	7,258	6,794	4,792	4,457	5,280	2,085	2,429	2,934	4,066
Water Year Types[b]													
Wet (32%)	2,898	3,855	5,406	10,999	11,946	10,288	8,387	8,276	8,500	3,080	4,517	5,789	6,995
Above Normal (15%)	1,864	2,545	1,971	7,670	9,977	10,779	7,141	6,670	8,725	2,692	3,406	5,170	5,717
Below Normal (17%)	1,622	2,045	1,717	3,387	6,993	5,468	3,567	2,750	4,839	1,918	2,122	1,113	3,128
Dry (22%)	1,642	1,966	1,014	1,857	3,083	3,893	1,746	1,453	1,855	1,116	531	556	1,726
Critical (15%)	945	615	463	1,053	954	1,138	649	465	507	966	130	201	674

Alternative 2A,2B,2C (LLT) minus No Action Alternative (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**AVG**
Probability of Exceedance													
10%	4,296	6,140	8,390	14,488	14,531	11,812	10,711	11,758	10,728	4,861	5,346	6,951	7,713
20%	3,116	4,434	4,421	12,850	12,485	11,352	9,892	9,933	10,029	3,335	4,068	6,129	6,766
30%	2,394	2,658	1,683	9,937	11,241	9,981	8,058	7,124	8,846	2,725	3,433	4,137	6,129
40%	2,106	1,932	1,289	6,194	9,792	9,349	4,774	3,878	6,708	2,159	3,086	3,586	5,377
50%	1,744	1,691	1,015	2,960	8,070	7,258	3,361	1,971	5,001	1,588	2,511	1,828	3,438
60%	1,122	1,230	889	1,410	4,922	5,187	1,667	1,114	2,497	1,263	1,452	1,177	2,716
70%	757	1,100	817	968	2,288	3,611	842	768	919	899	541	472	1,678
80%	313	129	636	822	1,099	1,028	716	685	765	604	338	250	1,283
90%	0	0	79	688	763	704	645	522	659	255	0	0	788
Long Term													
Full Simulation Period[a]	1,967	2,465	2,586	5,750	7,258	6,794	4,792	4,457	5,280	2,085	2,429	2,934	4,066
Water Year Types[b]													
Wet (32%)	2,898	3,855	5,406	10,999	11,946	10,288	8,387	8,276	8,500	3,080	4,517	5,789	6,995
Above Normal (15%)	1,864	2,545	1,971	7,670	9,977	10,779	7,141	6,670	8,725	2,692	3,406	5,170	5,717
Below Normal (17%)	1,622	2,045	1,717	3,387	6,993	5,468	3,567	2,750	4,839	1,918	2,122	1,113	3,128
Dry (22%)	1,642	1,966	1,014	1,857	3,083	3,893	1,746	1,453	1,855	1,116	531	556	1,726
Critical (15%)	945	615	463	1,053	954	1,138	649	465	507	966	130	201	674

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-11-1-16. Isolated Facility Exports, Monthly Delivery Rate

No Action Alternative (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**AVG**
Probability of Exceedance													
10%	0	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0	0
Long Term													
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]													
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (17%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Dry (22%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0

Alternative 3 (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**AVG**
Probability of Exceedance													
10%	2,367	5,028	4,752	6,000	6,000	6,000	5,653	5,967	6,000	4,747	4,486	5,300	4,511
20%	203	4,020	3,629	6,000	6,000	6,000	4,572	5,341	5,621	3,326	4,069	4,623	4,087
30%	0	3,302	1,556	5,646	6,000	6,000	4,128	4,840	4,801	2,499	3,688	3,687	3,696
40%	0	2,291	1,218	4,390	5,812	5,871	3,579	3,719	4,215	1,901	3,417	2,887	3,308
50%	0	1,763	793	2,282	4,328	5,208	2,775	2,612	3,247	1,390	2,209	2,174	2,722
60%	0	1,282	643	951	3,859	3,921	1,741	1,504	2,150	1,034	1,596	1,671	1,939
70%	0	851	600	732	1,811	3,041	1,020	697	1,301	573	533	823	1,389
80%	0	0	586	607	939	1,024	626	598	600	398	257	252	986
90%	0	0	217	178	601	593	589	525	585	239	0	126	718
Long Term													
Full Simulation Period[a]	579	2,181	1,647	3,004	3,851	4,120	2,809	2,900	3,190	1,952	2,351	2,417	2,583
Water Year Types[b]													
Wet (32%)	1,344	3,095	3,201	5,281	5,909	5,872	4,187	4,725	4,929	2,721	4,433	4,183	4,157
Above Normal (15%)	257	2,086	1,158	4,007	5,099	5,912	4,190	4,316	4,734	3,116	3,065	3,615	3,463
Below Normal (17%)	107	2,307	1,189	2,156	3,872	3,945	2,576	2,438	3,343	1,774	2,145	2,057	2,326
Dry (22%)	441	1,728	900	1,099	2,078	2,681	1,560	1,313	1,250	933	530	852	1,280
Critical (15%)	0	829	421	918	778	896	585	447	614	858	95	159	550

Alternative 3 (LLT) minus No Action Alternative (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**AVG**
Probability of Exceedance													
10%	2,367	5,028	4,752	6,000	6,000	6,000	5,653	5,967	6,000	4,747	4,486	5,300	4,511
20%	203	4,020	3,629	6,000	6,000	6,000	4,572	5,341	5,621	3,326	4,069	4,623	4,087
30%	0	3,302	1,556	5,646	6,000	6,000	4,128	4,840	4,801	2,499	3,688	3,687	3,696
40%	0	2,291	1,218	4,390	5,812	5,871	3,579	3,719	4,215	1,901	3,417	2,887	3,308
50%	0	1,763	793	2,282	4,328	5,208	2,775	2,612	3,247	1,390	2,209	2,174	2,722
60%	0	1,282	643	951	3,859	3,921	1,741	1,504	2,150	1,034	1,596	1,671	1,939
70%	0	851	600	732	1,811	3,041	1,020	697	1,301	573	533	823	1,389
80%	0	0	586	607	939	1,024	626	598	600	398	257	252	986
90%	0	0	217	178	601	593	589	525	585	239	0	126	718
Long Term													
Full Simulation Period[a]	579	2,181	1,647	3,004	3,851	4,120	2,809	2,900	3,190	1,952	2,351	2,417	2,583
Water Year Types[b]													
Wet (32%)	1,344	3,095	3,201	5,281	5,909	5,872	4,187	4,725	4,929	2,721	4,433	4,183	4,157
Above Normal (15%)	257	2,086	1,158	4,007	5,099	5,912	4,190	4,316	4,734	3,116	3,065	3,615	3,463
Below Normal (17%)	107	2,307	1,189	2,156	3,872	3,945	2,576	2,438	3,343	1,774	2,145	2,057	2,326
Dry (22%)	441	1,728	900	1,099	2,078	2,681	1,560	1,313	1,250	933	530	852	1,280
Critical (15%)	0	829	421	918	778	896	585	447	614	858	95	159	550

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-11-1-17. Isolated Facility Exports, Monthly Delivery Rate

No Action Alternative (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**AVG**
Probability of Exceedance													
10%	0	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0	0
Long Term													
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]													
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (17%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Dry (22%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0

Alternative 4 H1 (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**AVG**
Probability of Exceedance													
10%	4,068	6,017	6,648	9,000	9,000	9,000	8,854	8,720	8,926	3,713	5,043	5,331	6,149
20%	3,460	4,683	4,171	8,692	9,000	9,000	8,339	8,273	8,242	2,907	4,128	4,342	5,510
30%	2,749	3,567	1,830	7,946	9,000	8,982	7,054	5,804	7,177	2,391	3,905	3,702	4,941
40%	1,990	2,594	1,410	5,852	7,424	7,641	4,957	3,096	6,136	1,606	3,241	2,778	4,228
50%	1,233	2,051	911	2,902	6,340	6,268	3,356	2,003	4,769	1,280	2,608	2,270	3,202
60%	792	1,371	870	1,170	4,504	4,685	1,767	1,264	3,799	947	1,785	1,833	2,564
70%	395	853	797	937	2,392	3,651	992	762	1,623	554	815	404	1,869
80%	86	371	611	804	1,029	1,187	715	664	775	329	359	250	1,304
90%	0	0	248	710	769	699	647	524	657	235	53	7	686
Long Term													
Full Simulation Period[a]	1,843	2,591	2,156	4,263	5,422	5,610	4,111	3,565	4,642	1,737	2,547	2,502	3,416
Water Year Types[b]													
Wet (32%)	2,641	3,859	4,374	7,633	8,716	8,388	6,904	6,496	7,154	2,472	4,550	4,534	5,643
Above Normal (15%)	1,292	2,487	1,513	5,611	7,190	8,292	6,076	4,987	6,916	1,916	3,619	3,204	4,425
Below Normal (17%)	1,569	2,619	1,600	2,876	5,303	5,187	3,323	2,487	5,116	1,971	2,248	2,457	3,063
Dry (22%)	1,778	1,877	943	1,667	2,576	3,152	1,688	1,292	1,813	957	771	735	1,604
Critical (15%)	1,083	990	459	1,123	925	1,089	652	462	612	860	148	103	709

Alternative 4 H1 (LLT) minus No Action Alternative (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**AVG**
Probability of Exceedance													
10%	4,068	6,017	6,648	9,000	9,000	9,000	8,854	8,720	8,926	3,713	5,043	5,331	6,149
20%	3,460	4,683	4,171	8,692	9,000	9,000	8,339	8,273	8,242	2,907	4,128	4,342	5,510
30%	2,749	3,567	1,830	7,946	9,000	8,982	7,054	5,804	7,177	2,391	3,905	3,702	4,941
40%	1,990	2,594	1,410	5,852	7,424	7,641	4,957	3,096	6,136	1,606	3,241	2,778	4,228
50%	1,233	2,051	911	2,902	6,340	6,268	3,356	2,003	4,769	1,280	2,608	2,270	3,202
60%	792	1,371	870	1,170	4,504	4,685	1,767	1,264	3,799	947	1,785	1,833	2,564
70%	395	853	797	937	2,392	3,651	992	762	1,623	554	815	404	1,869
80%	86	371	611	804	1,029	1,187	715	664	775	329	359	250	1,304
90%	0	0	248	710	769	699	647	524	657	235	53	7	686
Long Term													
Full Simulation Period[a]	1,843	2,591	2,156	4,263	5,422	5,610	4,111	3,565	4,642	1,737	2,547	2,502	3,416
Water Year Types[b]													
Wet (32%)	2,641	3,859	4,374	7,633	8,716	8,388	6,904	6,496	7,154	2,472	4,550	4,534	5,643
Above Normal (15%)	1,292	2,487	1,513	5,611	7,190	8,292	6,076	4,987	6,916	1,916	3,619	3,204	4,425
Below Normal (17%)	1,569	2,619	1,600	2,876	5,303	5,187	3,323	2,487	5,116	1,971	2,248	2,457	3,063
Dry (22%)	1,778	1,877	943	1,667	2,576	3,152	1,688	1,292	1,813	957	771	735	1,604
Critical (15%)	1,083	990	459	1,123	925	1,089	652	462	612	860	148	103	709

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-11-1-18. Isolated Facility Exports, Monthly Delivery Rate

No Action Alternative (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**AVG**
Probability of Exceedance													
10%	0	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0	0
Long Term													
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]													
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (17%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Dry (22%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0

Alternative 4 H2 (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**AVG**
Probability of Exceedance													
10%	4,758	6,046	7,037	9,000	9,000	9,000	8,120	8,409	8,091	4,680	4,025	5,358	5,738
20%	3,189	4,628	4,441	8,692	9,000	9,000	7,108	4,838	6,196	2,813	3,694	4,279	4,835
30%	1,849	3,305	1,733	7,861	9,000	8,715	5,238	3,037	4,395	2,164	2,855	3,339	3,864
40%	1,539	2,580	1,294	6,014	7,070	6,224	1,500	1,500	3,355	1,557	2,565	2,123	3,421
50%	1,150	2,128	895	2,901	6,159	3,860	1,500	975	2,605	1,102	1,826	1,830	2,663
60%	910	1,628	818	1,369	4,571	1,500	969	752	1,391	947	1,042	798	2,062
70%	489	860	697	997	2,212	1,500	702	661	989	642	346	334	1,629
80%	253	285	636	790	1,068	928	649	557	764	300	133	160	1,227
90%	0	0	540	126	767	699	567	344	648	23	1	0	738
Long Term													
Full Simulation Period[a]	1,786	2,649	2,219	4,217	5,389	4,615	3,120	2,622	3,244	1,769	1,916	2,250	2,983
Water Year Types[b]													
Wet (32%)	2,746	3,940	4,487	7,648	8,618	6,990	5,587	5,034	5,621	2,530	3,385	4,510	5,091
Above Normal (15%)	1,087	2,466	1,461	5,537	7,402	7,409	4,103	3,610	3,803	2,603	3,062	2,255	3,733
Below Normal (17%)	1,921	2,721	1,563	2,837	5,027	3,365	2,488	1,203	2,885	1,691	1,411	1,729	2,404
Dry (22%)	1,290	2,006	1,084	1,570	2,586	2,668	1,092	1,021	1,539	823	527	598	1,400
Critical (15%)	989	912	533	1,046	1,006	1,052	572	462	511	798	258	432	714

Alternative 4 H2 (LLT) minus No Action Alternative (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**AVG**
Probability of Exceedance													
10%	4,758	6,046	7,037	9,000	9,000	9,000	8,120	8,409	8,091	4,680	4,025	5,358	5,738
20%	3,189	4,628	4,441	8,692	9,000	9,000	7,108	4,838	6,196	2,813	3,694	4,279	4,835
30%	1,849	3,305	1,733	7,861	9,000	8,715	5,238	3,037	4,395	2,164	2,855	3,339	3,864
40%	1,539	2,580	1,294	6,014	7,070	6,224	1,500	1,500	3,355	1,557	2,565	2,123	3,421
50%	1,150	2,128	895	2,901	6,159	3,860	1,500	975	2,605	1,102	1,826	1,830	2,663
60%	910	1,628	818	1,369	4,571	1,500	969	752	1,391	947	1,042	798	2,062
70%	489	860	697	997	2,212	1,500	702	661	989	642	346	334	1,629
80%	253	285	636	790	1,068	928	649	557	764	300	133	160	1,227
90%	0	0	540	126	767	699	567	344	648	23	1	0	738
Long Term													
Full Simulation Period[a]	1,786	2,649	2,219	4,217	5,389	4,615	3,120	2,622	3,244	1,769	1,916	2,250	2,983
Water Year Types[b]													
Wet (32%)	2,746	3,940	4,487	7,648	8,618	6,990	5,587	5,034	5,621	2,530	3,385	4,510	5,091
Above Normal (15%)	1,087	2,466	1,461	5,537	7,402	7,409	4,103	3,610	3,803	2,603	3,062	2,255	3,733
Below Normal (17%)	1,921	2,721	1,563	2,837	5,027	3,365	2,488	1,203	2,885	1,691	1,411	1,729	2,404
Dry (22%)	1,290	2,006	1,084	1,570	2,586	2,668	1,092	1,021	1,539	823	527	598	1,400
Critical (15%)	989	912	533	1,046	1,006	1,052	572	462	511	798	258	432	714

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-11-1-19. Isolated Facility Exports, Monthly Delivery Rate

No Action Alternative (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**AVG**
Probability of Exceedance													
10%	0	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0	0
Long Term													
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]													
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (17%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Dry (22%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0

Alternative 4 H3 (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**AVG**
Probability of Exceedance													
10%	4,252	5,744	6,468	9,000	9,000	9,000	9,000	8,810	8,934	3,669	4,645	7,270	6,122
20%	3,195	3,875	3,814	8,692	9,000	9,000	8,359	8,275	8,247	2,911	4,028	5,831	5,475
30%	2,703	2,816	1,553	7,873	9,000	8,982	7,008	6,020	7,388	2,189	3,535	4,347	4,887
40%	2,175	1,917	1,179	5,078	7,894	7,890	4,841	3,199	6,549	1,502	2,916	3,504	4,353
50%	1,675	1,599	919	2,604	6,275	6,489	3,291	1,980	5,089	1,319	2,134	1,986	3,072
60%	1,030	1,197	842	1,421	4,499	4,409	1,667	1,040	2,631	1,023	1,368	1,161	2,293
70%	726	997	800	965	2,153	3,468	828	763	1,082	604	581	343	1,571
80%	203	37	582	812	1,038	1,423	698	643	775	418	300	191	1,316
90%	0	0	183	707	702	699	643	522	658	235	4	0	781
Long Term													
Full Simulation Period[a]	1,949	2,219	1,997	4,174	5,393	5,551	4,100	3,589	4,617	1,710	2,277	2,954	3,377
Water Year Types[b]													
Wet (32%)	2,788	3,258	3,960	7,611	8,780	8,470	6,981	6,559	7,257	2,363	4,120	5,719	5,655
Above Normal (15%)	1,807	2,334	1,465	5,435	7,315	8,160	5,926	5,088	6,972	1,938	3,556	5,192	4,599
Below Normal (17%)	1,512	2,309	1,474	2,641	4,973	4,618	3,268	2,459	4,700	1,834	1,911	1,415	2,759
Dry (22%)	1,803	1,709	920	1,614	2,555	3,324	1,670	1,263	1,879	1,082	503	510	1,569
Critical (15%)	1,001	510	499	1,098	878	1,048	643	464	550	864	92	184	653

Alternative 4 H3 (LLT) minus No Action Alternative (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**AVG**
Probability of Exceedance													
10%	4,252	5,744	6,468	9,000	9,000	9,000	9,000	8,810	8,934	3,669	4,645	7,270	6,122
20%	3,195	3,875	3,814	8,692	9,000	9,000	8,359	8,275	8,247	2,911	4,028	5,831	5,475
30%	2,703	2,816	1,553	7,873	9,000	8,982	7,008	6,020	7,388	2,189	3,535	4,347	4,887
40%	2,175	1,917	1,179	5,078	7,894	7,890	4,841	3,199	6,549	1,502	2,916	3,504	4,353
50%	1,675	1,599	919	2,604	6,275	6,489	3,291	1,980	5,089	1,319	2,134	1,986	3,072
60%	1,030	1,197	842	1,421	4,499	4,409	1,667	1,040	2,631	1,023	1,368	1,161	2,293
70%	726	997	800	965	2,153	3,468	828	763	1,082	604	581	343	1,571
80%	203	37	582	812	1,038	1,423	698	643	775	418	300	191	1,316
90%	0	0	183	707	702	699	643	522	658	235	4	0	781
Long Term													
Full Simulation Period[a]	1,949	2,219	1,997	4,174	5,393	5,551	4,100	3,589	4,617	1,710	2,277	2,954	3,377
Water Year Types[b]													
Wet (32%)	2,788	3,258	3,960	7,611	8,780	8,470	6,981	6,559	7,257	2,363	4,120	5,719	5,655
Above Normal (15%)	1,807	2,334	1,465	5,435	7,315	8,160	5,926	5,088	6,972	1,938	3,556	5,192	4,599
Below Normal (17%)	1,512	2,309	1,474	2,641	4,973	4,618	3,268	2,459	4,700	1,834	1,911	1,415	2,759
Dry (22%)	1,803	1,709	920	1,614	2,555	3,324	1,670	1,263	1,879	1,082	503	510	1,569
Critical (15%)	1,001	510	499	1,098	878	1,048	643	464	550	864	92	184	653

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-11-1-20. Isolated Facility Exports, Monthly Delivery Rate

No Action Alternative (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**AVG**
Probability of Exceedance													
10%	0	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0	0
Long Term													
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]													
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (17%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Dry (22%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0

Alternative 4 H4 (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**AVG**
Probability of Exceedance													
10%	3,967	5,911	6,648	9,000	9,000	9,000	8,485	8,342	8,090	4,541	4,207	7,849	5,809
20%	2,941	4,177	3,860	8,692	9,000	9,000	7,131	5,174	5,825	2,828	3,547	6,701	4,904
30%	2,350	2,738	1,594	7,929	9,000	8,699	5,168	2,251	4,467	2,330	2,872	4,799	4,156
40%	2,072	2,048	1,143	5,685	7,301	5,947	1,500	1,500	3,129	1,800	2,070	3,845	3,513
50%	1,464	1,837	901	2,359	5,913	3,314	1,500	885	2,168	1,283	1,287	1,484	2,561
60%	1,258	1,340	823	1,283	4,372	1,500	851	750	1,190	992	693	842	1,867
70%	980	1,066	758	976	1,956	1,500	673	648	836	656	215	221	1,466
80%	430	42	635	799	966	928	640	544	763	411	119	132	1,172
90%	0	0	528	661	752	699	521	343	648	137	0	0	726
Long Term													
Full Simulation Period[a]	1,890	2,315	2,053	4,133	5,270	4,528	3,145	2,556	3,203	1,816	1,781	3,023	2,976
Water Year Types[b]													
Wet (32%)	2,620	3,414	4,028	7,549	8,564	7,018	5,715	4,926	5,526	2,661	3,300	6,230	5,129
Above Normal (15%)	1,760	2,588	1,463	5,366	7,364	7,191	4,142	3,615	4,044	2,287	3,175	5,224	4,018
Below Normal (17%)	1,855	2,222	1,465	2,536	4,685	3,092	2,439	1,115	3,014	1,653	1,113	1,047	2,186
Dry (22%)	1,476	1,823	1,058	1,649	2,458	2,597	1,060	943	1,252	1,075	272	303	1,330
Critical (15%)	1,103	507	542	1,091	941	1,041	533	461	479	813	140	258	659

Alternative 4 H4 (LLT) minus No Action Alternative (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**AVG**
Probability of Exceedance													
10%	3,967	5,911	6,648	9,000	9,000	9,000	8,485	8,342	8,090	4,541	4,207	7,849	5,809
20%	2,941	4,177	3,860	8,692	9,000	9,000	7,131	5,174	5,825	2,828	3,547	6,701	4,904
30%	2,350	2,738	1,594	7,929	9,000	8,699	5,168	2,251	4,467	2,330	2,872	4,799	4,156
40%	2,072	2,048	1,143	5,685	7,301	5,947	1,500	1,500	3,129	1,800	2,070	3,845	3,513
50%	1,464	1,837	901	2,359	5,913	3,314	1,500	885	2,168	1,283	1,287	1,484	2,561
60%	1,258	1,340	823	1,283	4,372	1,500	851	750	1,190	992	693	842	1,867
70%	980	1,066	758	976	1,956	1,500	673	648	836	656	215	221	1,466
80%	430	42	635	799	966	928	640	544	763	411	119	132	1,172
90%	0	0	528	661	752	699	521	343	648	137	0	0	726
Long Term													
Full Simulation Period[a]	1,890	2,315	2,053	4,133	5,270	4,528	3,145	2,556	3,203	1,816	1,781	3,023	2,976
Water Year Types[b]													
Wet (32%)	2,620	3,414	4,028	7,549	8,564	7,018	5,715	4,926	5,526	2,661	3,300	6,230	5,129
Above Normal (15%)	1,760	2,588	1,463	5,366	7,364	7,191	4,142	3,615	4,044	2,287	3,175	5,224	4,018
Below Normal (17%)	1,855	2,222	1,465	2,536	4,685	3,092	2,439	1,115	3,014	1,653	1,113	1,047	2,186
Dry (22%)	1,476	1,823	1,058	1,649	2,458	2,597	1,060	943	1,252	1,075	272	303	1,330
Critical (15%)	1,103	507	542	1,091	941	1,041	533	461	479	813	140	258	659

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-11-1-21. Isolated Facility Exports, Monthly Delivery Rate

No Action Alternative (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**AVG**
Probability of Exceedance													
10%	0	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0	0
Long Term													
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]													
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (17%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Dry (22%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0

Alternative 5 (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**AVG**
Probability of Exceedance													
10%	3,000	2,973	2,306	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	2,622
20%	3,000	2,388	1,843	3,000	3,000	3,000	3,000	2,976	3,000	3,000	3,000	3,000	2,387
30%	2,498	2,073	955	2,914	3,000	3,000	2,957	2,607	3,000	2,649	3,000	2,945	2,287
40%	2,091	1,781	704	2,427	3,000	3,000	2,694	2,107	2,959	2,354	2,873	1,764	2,065
50%	0	1,461	498	1,571	2,439	2,872	1,956	1,374	2,796	1,943	2,134	1,355	1,793
60%	0	1,081	395	849	2,057	2,414	1,231	798	2,542	1,312	1,651	1,152	1,339
70%	0	293	311	552	1,394	1,856	599	357	1,442	812	687	653	1,172
80%	0	0	300	397	532	759	300	300	300	633	300	221	888
90%	0	0	237	301	307	300	300	300	300	325	133	0	414
Long Term													
Full Simulation Period[a]	1,210	1,355	888	1,633	2,004	2,180	1,767	1,535	2,060	1,751	1,815	1,563	1,647
Water Year Types[b]													
Wet (32%)	1,758	1,846	1,649	2,786	2,967	2,990	2,639	2,485	2,954	2,145	2,819	2,677	2,476
Above Normal (15%)	1,156	1,381	653	2,138	2,554	2,897	2,562	2,271	2,837	1,631	2,594	2,229	2,075
Below Normal (17%)	1,150	1,494	675	1,141	2,001	2,270	1,727	1,199	2,252	1,922	1,967	1,090	1,574
Dry (22%)	978	1,050	534	759	1,283	1,569	957	779	1,287	1,826	886	728	1,053
Critical (15%)	494	564	254	513	454	520	343	267	278	705	81	287	397

Alternative 5 (LLT) minus No Action Alternative (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**AVG**
Probability of Exceedance													
10%	3,000	2,973	2,306	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	2,622
20%	3,000	2,388	1,843	3,000	3,000	3,000	3,000	2,976	3,000	3,000	3,000	3,000	2,387
30%	2,498	2,073	955	2,914	3,000	3,000	2,957	2,607	3,000	2,649	3,000	2,945	2,287
40%	2,091	1,781	704	2,427	3,000	3,000	2,694	2,107	2,959	2,354	2,873	1,764	2,065
50%	0	1,461	498	1,571	2,439	2,872	1,956	1,374	2,796	1,943	2,134	1,355	1,793
60%	0	1,081	395	849	2,057	2,414	1,231	798	2,542	1,312	1,651	1,152	1,339
70%	0	293	311	552	1,394	1,856	599	357	1,442	812	687	653	1,172
80%	0	0	300	397	532	759	300	300	300	633	300	221	888
90%	0	0	237	301	307	300	300	300	300	325	133	0	414
Long Term													
Full Simulation Period[a]	1,210	1,355	888	1,633	2,004	2,180	1,767	1,535	2,060	1,751	1,815	1,563	1,647
Water Year Types[b]													
Wet (32%)	1,758	1,846	1,649	2,786	2,967	2,990	2,639	2,485	2,954	2,145	2,819	2,677	2,476
Above Normal (15%)	1,156	1,381	653	2,138	2,554	2,897	2,562	2,271	2,837	1,631	2,594	2,229	2,075
Below Normal (17%)	1,150	1,494	675	1,141	2,001	2,270	1,727	1,199	2,252	1,922	1,967	1,090	1,574
Dry (22%)	978	1,050	534	759	1,283	1,569	957	779	1,287	1,826	886	728	1,053
Critical (15%)	494	564	254	513	454	520	343	267	278	705	81	287	397

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-11-1-22. Isolated Facility Exports, Monthly Delivery Rate

No Action Alternative (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**AVG**
Probability of Exceedance													
10%	0	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0	0
Long Term													
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]													
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (17%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Dry (22%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0

Alternative 6A,6B,6C (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**AVG**
Probability of Exceedance													
10%	5,545	6,318	8,887	14,514	14,527	13,160	11,995	11,723	10,674	13,302	9,779	6,891	8,679
20%	4,949	4,984	4,620	14,292	14,515	11,845	9,959	9,602	7,619	11,168	8,008	6,555	7,777
30%	4,169	3,708	1,651	10,964	13,600	10,504	8,188	4,286	4,475	10,310	7,263	6,192	7,072
40%	3,980	2,839	1,343	6,257	10,457	9,292	4,558	1,908	3,188	8,884	6,583	5,819	6,146
50%	3,342	2,244	1,024	2,620	9,391	7,556	3,201	1,379	1,548	7,973	6,050	5,383	5,095
60%	2,807	2,104	820	1,729	4,953	5,187	1,569	1,170	818	7,079	5,567	4,822	3,823
70%	2,556	1,940	705	969	1,872	3,305	707	947	722	6,324	4,802	4,063	3,104
80%	2,116	1,493	607	839	1,090	1,484	623	690	663	5,821	3,845	3,284	2,591
90%	1,176	1,296	503	736	762	690	587	613	596	4,252	3,107	2,551	2,005
Long Term													
Full Simulation Period[a]	3,416	3,276	2,678	6,017	7,867	7,093	4,807	4,010	3,704	8,284	6,253	4,960	5,197
Water Year Types[b]													
Wet (32%)	4,036	4,377	5,669	11,513	13,234	11,038	8,746	8,173	6,866	9,175	7,793	5,944	8,047
Above Normal (15%)	2,940	3,091	2,208	8,318	11,634	11,367	7,285	4,973	5,684	9,459	7,287	6,561	6,734
Below Normal (17%)	3,312	3,162	1,296	3,159	6,756	5,728	3,326	1,826	2,560	10,314	7,601	5,886	4,577
Dry (22%)	3,301	3,008	1,120	1,991	3,046	3,610	1,421	1,084	790	6,945	4,882	3,970	2,931
Critical (15%)	2,844	1,613	617	1,180	995	1,089	604	968	579	4,816	2,368	1,634	1,609

Alternative 6A,6B,6C (LLT) minus No Action Alternative (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**AVG**
Probability of Exceedance													
10%	5,545	6,318	8,887	14,514	14,527	13,160	11,995	11,723	10,674	13,302	9,779	6,891	8,679
20%	4,949	4,984	4,620	14,292	14,515	11,845	9,959	9,602	7,619	11,168	8,008	6,555	7,777
30%	4,169	3,708	1,651	10,964	13,600	10,504	8,188	4,286	4,475	10,310	7,263	6,192	7,072
40%	3,980	2,839	1,343	6,257	10,457	9,292	4,558	1,908	3,188	8,884	6,583	5,819	6,146
50%	3,342	2,244	1,024	2,620	9,391	7,556	3,201	1,379	1,548	7,973	6,050	5,383	5,095
60%	2,807	2,104	820	1,729	4,953	5,187	1,569	1,170	818	7,079	5,567	4,822	3,823
70%	2,556	1,940	705	969	1,872	3,305	707	947	722	6,324	4,802	4,063	3,104
80%	2,116	1,493	607	839	1,090	1,484	623	690	663	5,821	3,845	3,284	2,591
90%	1,176	1,296	503	736	762	690	587	613	596	4,252	3,107	2,551	2,005
Long Term													
Full Simulation Period[a]	3,416	3,276	2,678	6,017	7,867	7,093	4,807	4,010	3,704	8,284	6,253	4,960	5,197
Water Year Types[b]													
Wet (32%)	4,036	4,377	5,669	11,513	13,234	11,038	8,746	8,173	6,866	9,175	7,793	5,944	8,047
Above Normal (15%)	2,940	3,091	2,208	8,318	11,634	11,367	7,285	4,973	5,684	9,459	7,287	6,561	6,734
Below Normal (17%)	3,312	3,162	1,296	3,159	6,756	5,728	3,326	1,826	2,560	10,314	7,601	5,886	4,577
Dry (22%)	3,301	3,008	1,120	1,991	3,046	3,610	1,421	1,084	790	6,945	4,882	3,970	2,931
Critical (15%)	2,844	1,613	617	1,180	995	1,089	604	968	579	4,816	2,368	1,634	1,609

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-11-1-23. Isolated Facility Exports, Monthly Delivery Rate

No Action Alternative (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	0	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0	0
Long Term													
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]													
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (17%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Dry (22%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0

Alternative 7 (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	5,934	6,005	6,141	9,000	9,000	9,000	9,000	9,000	8,246	2,432	2,844	6,918	5,888
20%	4,947	4,704	3,916	8,739	9,000	9,000	9,000	8,236	7,403	1,970	1,967	5,440	5,330
30%	4,314	3,468	1,581	7,323	9,000	8,998	6,851	4,321	5,800	1,695	1,397	4,420	4,772
40%	3,990	2,455	1,107	4,737	7,379	7,366	4,154	1,823	4,735	1,366	1,051	3,864	4,051
50%	3,273	2,211	831	2,605	6,113	5,901	2,137	1,478	2,984	963	559	1,776	2,694
60%	3,005	1,947	691	1,516	3,990	3,681	950	1,221	655	446	167	923	1,850
70%	2,620	1,722	594	858	1,914	2,362	573	934	596	287	125	426	1,569
80%	2,534	1,447	504	709	992	1,184	525	581	582	151	0	90	1,386
90%	1,165	1,100	430	604	630	580	475	511	577	0	0	0	960
Long Term													
Full Simulation Period[a]	3,539	2,916	1,962	4,078	5,262	5,259	3,870	3,292	3,662	1,201	1,038	2,838	3,243
Water Year Types[b]													
Wet (32%)	4,186	3,653	4,052	7,448	8,691	8,335	7,198	6,390	6,712	1,259	1,911	5,594	5,452
Above Normal (15%)	3,007	2,668	1,431	5,518	7,276	8,188	5,879	4,579	6,117	996	1,977	4,747	4,365
Below Normal (17%)	3,363	3,079	1,086	2,425	4,661	4,133	2,569	1,414	2,300	1,124	645	1,250	2,337
Dry (22%)	3,489	2,822	937	1,557	2,359	2,631	973	843	717	1,301	133	622	1,532
Critical (15%)	2,946	1,520	522	1,046	870	923	514	1,159	602	1,218	22	137	957

Alternative 7 (LLT) minus No Action Alternative (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	5,934	6,005	6,141	9,000	9,000	9,000	9,000	9,000	8,246	2,432	2,844	6,918	5,888
20%	4,947	4,704	3,916	8,739	9,000	9,000	9,000	8,236	7,403	1,970	1,967	5,440	5,330
30%	4,314	3,468	1,581	7,323	9,000	8,998	6,851	4,321	5,800	1,695	1,397	4,420	4,772
40%	3,990	2,455	1,107	4,737	7,379	7,366	4,154	1,823	4,735	1,366	1,051	3,864	4,051
50%	3,273	2,211	831	2,605	6,113	5,901	2,137	1,478	2,984	963	559	1,776	2,694
60%	3,005	1,947	691	1,516	3,990	3,681	950	1,221	655	446	167	923	1,850
70%	2,620	1,722	594	858	1,914	2,362	573	934	596	287	125	426	1,569
80%	2,534	1,447	504	709	992	1,184	525	581	582	151	0	90	1,386
90%	1,165	1,100	430	604	630	580	475	511	577	0	0	0	960
Long Term													
Full Simulation Period[a]	3,539	2,916	1,962	4,078	5,262	5,259	3,870	3,292	3,662	1,201	1,038	2,838	3,243
Water Year Types[b]													
Wet (32%)	4,186	3,653	4,052	7,448	8,691	8,335	7,198	6,390	6,712	1,259	1,911	5,594	5,452
Above Normal (15%)	3,007	2,668	1,431	5,518	7,276	8,188	5,879	4,579	6,117	996	1,977	4,747	4,365
Below Normal (17%)	3,363	3,079	1,086	2,425	4,661	4,133	2,569	1,414	2,300	1,124	645	1,250	2,337
Dry (22%)	3,489	2,822	937	1,557	2,359	2,631	973	843	717	1,301	133	622	1,532
Critical (15%)	2,946	1,520	522	1,046	870	923	514	1,159	602	1,218	22	137	957

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-11-1-24. Isolated Facility Exports, Monthly Delivery Rate

No Action Alternative (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	0	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0	0
Long Term													
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]													
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (17%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Dry (22%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0

Alternative 8 (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	2,607	5,005	6,617	9,000	9,000	9,000	9,000	9,000	7,789	2,612	0	2,960	5,421
20%	2,450	3,545	3,967	8,832	9,000	9,000	9,000	8,994	6,178	1,442	0	1,862	4,873
30%	2,227	2,426	1,521	7,728	9,000	9,000	9,000	7,903	4,645	753	0	1,274	4,337
40%	1,838	1,511	1,223	5,668	8,157	8,287	7,995	6,278	2,992	489	0	1,100	3,717
50%	1,403	1,199	776	3,067	6,359	7,115	5,657	3,241	1,078	304	0	920	2,850
60%	1,100	1,093	676	1,725	4,876	5,357	4,078	1,765	758	0	0	656	1,989
70%	1,061	918	581	992	2,883	3,714	1,947	1,272	548	0	0	380	1,669
80%	409	807	494	729	1,193	1,822	1,314	1,071	521	0	0	0	1,251
90%	159	330	413	578	643	748	613	919	477	0	0	0	749
Long Term													
Full Simulation Period[a]	1,661	2,077	1,980	4,295	5,567	5,849	5,290	4,542	2,994	899	80	1,124	3,030
Water Year Types[b]													
Wet (32%)	2,521	2,860	4,020	7,563	8,792	8,496	8,152	7,740	6,122	1,529	240	1,748	4,982
Above Normal (15%)	1,745	2,451	1,417	5,840	7,523	8,290	7,594	6,560	3,864	829	24	2,137	4,023
Below Normal (17%)	1,254	1,883	1,330	2,872	4,873	5,517	5,588	3,889	1,718	842	0	825	2,549
Dry (22%)	1,250	1,824	911	1,756	3,234	3,787	2,459	1,357	554	650	0	414	1,516
Critical (15%)	808	615	488	1,135	936	1,156	685	1,131	496	40	0	176	639

Alternative 8 (LLT) minus No Action Alternative (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	2,607	5,005	6,617	9,000	9,000	9,000	9,000	9,000	7,789	2,612	0	2,960	5,421
20%	2,450	3,545	3,967	8,832	9,000	9,000	9,000	8,994	6,178	1,442	0	1,862	4,873
30%	2,227	2,426	1,521	7,728	9,000	9,000	9,000	7,903	4,645	753	0	1,274	4,337
40%	1,838	1,511	1,223	5,668	8,157	8,287	7,995	6,278	2,992	489	0	1,100	3,717
50%	1,403	1,199	776	3,067	6,359	7,115	5,657	3,241	1,078	304	0	920	2,850
60%	1,100	1,093	676	1,725	4,876	5,357	4,078	1,765	758	0	0	656	1,989
70%	1,061	918	581	992	2,883	3,714	1,947	1,272	548	0	0	380	1,669
80%	409	807	494	729	1,193	1,822	1,314	1,071	521	0	0	0	1,251
90%	159	330	413	578	643	748	613	919	477	0	0	0	749
Long Term													
Full Simulation Period[a]	1,661	2,077	1,980	4,295	5,567	5,849	5,290	4,542	2,994	899	80	1,124	3,030
Water Year Types[b]													
Wet (32%)	2,521	2,860	4,020	7,563	8,792	8,496	8,152	7,740	6,122	1,529	240	1,748	4,982
Above Normal (15%)	1,745	2,451	1,417	5,840	7,523	8,290	7,594	6,560	3,864	829	24	2,137	4,023
Below Normal (17%)	1,254	1,883	1,330	2,872	4,873	5,517	5,588	3,889	1,718	842	0	825	2,549
Dry (22%)	1,250	1,824	911	1,756	3,234	3,787	2,459	1,357	554	650	0	414	1,516
Critical (15%)	808	615	488	1,135	936	1,156	685	1,131	496	40	0	176	639

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-11-1-25. Isolated Facility Exports, Monthly Delivery Rate

No Action Alternative (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	0	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0	0
Long Term													
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]													
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (17%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Dry (22%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0

Alternative 9 (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	0	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0	0
Long Term													
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]													
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (17%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Dry (22%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0

Alternative 9 (LLT) minus No Action Alternative (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	0	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0	0
Long Term													
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]													
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (17%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Dry (22%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-11-2-1. Isolated Facility Exports, Monthly Delivery Volume

Existing Condition

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	0	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0	0
Long Term													
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]													
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (17%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Dry (22%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0

No Action Alternative (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	0	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0	0
Long Term													
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]													
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (17%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Dry (22%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0

No Action Alternative (LLT) minus Existing Condition

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	0	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0	0
Long Term													
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]													
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (17%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Dry (22%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-11-2-2. Isolated Facility Exports, Monthly Delivery Volume

Existing Condition

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	0	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0	0
Long Term													
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]													
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (17%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Dry (22%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0

Alternative 1A,1B,1C (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	132	444	556	860	744	643	607	694	683	280	297	313	5,085
20%	3	307	307	743	592	596	522	581	424	196	247	253	4,591
30%	0	211	121	565	561	570	446	445	329	146	224	222	3,993
40%	0	162	83	391	504	529	263	264	279	119	204	164	3,335
50%	0	122	64	183	392	428	202	154	210	87	140	141	2,487
60%	0	81	57	78	301	324	124	91	133	69	77	111	1,882
70%	0	60	52	55	128	230	75	49	77	48	28	51	1,220
80%	0	0	45	47	66	69	47	45	47	15	12	14	873
90%	0	0	17	1	44	43	41	33	39	4	0	7	563
Long Term													
Full Simulation Period[a]	38	174	170	336	375	387	271	274	261	120	145	152	2,704
Water Year Types[b]													
Wet (32%)	90	282	359	636	571	544	455	501	443	169	278	268	4,595
Above Normal (15%)	16	164	122	468	563	658	409	390	381	199	196	210	3,777
Below Normal (17%)	10	149	110	212	387	342	213	204	240	110	126	130	2,234
Dry (22%)	27	132	66	89	171	226	112	87	83	63	26	60	1,142
Critical (15%)	0	44	38	68	51	70	39	29	38	34	6	7	423

Alternative 1A,1B,1C (LLT) minus Existing Condition

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	132	444	556	860	744	643	607	694	683	280	297	313	5,085
20%	3	307	307	743	592	596	522	581	424	196	247	253	4,591
30%	0	211	121	565	561	570	446	445	329	146	224	222	3,993
40%	0	162	83	391	504	529	263	264	279	119	204	164	3,335
50%	0	122	64	183	392	428	202	154	210	87	140	141	2,487
60%	0	81	57	78	301	324	124	91	133	69	77	111	1,882
70%	0	60	52	55	128	230	75	49	77	48	28	51	1,220
80%	0	0	45	47	66	69	47	45	47	15	12	14	873
90%	0	0	17	1	44	43	41	33	39	4	0	7	563
Long Term													
Full Simulation Period[a]	38	174	170	336	375	387	271	274	261	120	145	152	2,704
Water Year Types[b]													
Wet (32%)	90	282	359	636	571	544	455	501	443	169	278	268	4,595
Above Normal (15%)	16	164	122	468	563	658	409	390	381	199	196	210	3,777
Below Normal (17%)	10	149	110	212	387	342	213	204	240	110	126	130	2,234
Dry (22%)	27	132	66	89	171	226	112	87	83	63	26	60	1,142
Critical (15%)	0	44	38	68	51	70	39	29	38	34	6	7	423

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-11-2-3. Isolated Facility Exports, Monthly Delivery Volume

Existing Condition

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	0	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0	0
Long Term													
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]													
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (17%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Dry (22%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0

Alternative 2A,2B,2C (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	264	365	516	891	807	726	637	723	638	299	329	414	5,536
20%	192	264	272	790	693	698	589	611	597	205	250	365	4,881
30%	147	158	103	611	624	614	479	438	526	168	211	246	4,404
40%	130	115	79	381	551	575	284	238	399	133	190	213	3,888
50%	107	101	62	182	448	446	200	121	298	98	154	109	2,467
60%	69	73	55	87	278	319	99	69	149	78	89	70	1,943
70%	47	65	50	60	127	222	50	47	55	55	33	28	1,218
80%	19	8	39	51	61	63	43	42	46	37	21	15	930
90%	0	0	5	42	42	43	38	32	39	16	0	0	576
Long Term													
Full Simulation Period[a]	121	147	159	354	406	418	285	274	314	128	149	175	2,930
Water Year Types[b]													
Wet (32%)	178	229	332	676	667	633	499	509	506	189	278	344	5,041
Above Normal (15%)	115	151	121	472	561	663	425	410	519	166	209	308	4,120
Below Normal (17%)	100	122	106	208	392	336	212	169	288	118	130	66	2,248
Dry (22%)	101	117	62	114	172	239	104	89	110	69	33	33	1,244
Critical (15%)	58	37	28	65	54	70	39	29	30	59	8	12	488

Alternative 2A,2B,2C (LLT) minus Existing Condition

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	264	365	516	891	807	726	637	723	638	299	329	414	5,536
20%	192	264	272	790	693	698	589	611	597	205	250	365	4,881
30%	147	158	103	611	624	614	479	438	526	168	211	246	4,404
40%	130	115	79	381	551	575	284	238	399	133	190	213	3,888
50%	107	101	62	182	448	446	200	121	298	98	154	109	2,467
60%	69	73	55	87	278	319	99	69	149	78	89	70	1,943
70%	47	65	50	60	127	222	50	47	55	55	33	28	1,218
80%	19	8	39	51	61	63	43	42	46	37	21	15	930
90%	0	0	5	42	42	43	38	32	39	16	0	0	576
Long Term													
Full Simulation Period[a]	121	147	159	354	406	418	285	274	314	128	149	175	2,930
Water Year Types[b]													
Wet (32%)	178	229	332	676	667	633	499	509	506	189	278	344	5,041
Above Normal (15%)	115	151	121	472	561	663	425	410	519	166	209	308	4,120
Below Normal (17%)	100	122	106	208	392	336	212	169	288	118	130	66	2,248
Dry (22%)	101	117	62	114	172	239	104	89	110	69	33	33	1,244
Critical (15%)	58	37	28	65	54	70	39	29	30	59	8	12	488

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-11-2-4. Isolated Facility Exports, Monthly Delivery Volume

Existing Condition

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	0	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0	0
Long Term													
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]													
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (17%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Dry (22%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0

Alternative 3 (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	146	299	292	369	333	369	336	367	357	292	276	315	3,258
20%	12	239	223	369	333	369	272	328	334	205	250	275	2,952
30%	0	196	96	347	333	369	246	298	286	154	227	219	2,661
40%	0	136	75	270	325	361	213	229	251	117	210	172	2,388
50%	0	105	49	140	240	320	165	161	193	85	136	129	1,957
60%	0	76	40	58	216	241	104	92	128	64	98	99	1,400
70%	0	51	37	45	101	187	61	43	77	35	33	49	1,002
80%	0	0	36	37	52	63	37	37	36	24	16	15	704
90%	0	0	13	11	35	36	35	32	35	15	0	7	520
Long Term													
Full Simulation Period[a]	36	130	101	185	216	253	167	178	190	120	145	144	1,864
Water Year Types[b]													
Wet (32%)	83	184	197	325	330	361	249	291	293	167	273	249	3,001
Above Normal (15%)	16	124	71	246	287	363	249	265	282	192	188	215	2,499
Below Normal (17%)	7	137	73	133	217	243	153	150	199	109	132	122	1,675
Dry (22%)	27	103	55	68	116	165	93	81	74	57	33	51	922
Critical (15%)	0	49	26	56	44	55	35	27	37	53	6	9	397

Alternative 3 (LLT) minus Existing Condition

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	146	299	292	369	333	369	336	367	357	292	276	315	3,258
20%	12	239	223	369	333	369	272	328	334	205	250	275	2,952
30%	0	196	96	347	333	369	246	298	286	154	227	219	2,661
40%	0	136	75	270	325	361	213	229	251	117	210	172	2,388
50%	0	105	49	140	240	320	165	161	193	85	136	129	1,957
60%	0	76	40	58	216	241	104	92	128	64	98	99	1,400
70%	0	51	37	45	101	187	61	43	77	35	33	49	1,002
80%	0	0	36	37	52	63	37	37	36	24	16	15	704
90%	0	0	13	11	35	36	35	32	35	15	0	7	520
Long Term													
Full Simulation Period[a]	36	130	101	185	216	253	167	178	190	120	145	144	1,864
Water Year Types[b]													
Wet (32%)	83	184	197	325	330	361	249	291	293	167	273	249	3,001
Above Normal (15%)	16	124	71	246	287	363	249	265	282	192	188	215	2,499
Below Normal (17%)	7	137	73	133	217	243	153	150	199	109	132	122	1,675
Dry (22%)	27	103	55	68	116	165	93	81	74	57	33	51	922
Critical (15%)	0	49	26	56	44	55	35	27	37	53	6	9	397

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-11-2-5. Isolated Facility Exports, Monthly Delivery Volume

Existing Condition

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	0	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0	0
Long Term													
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]													
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (17%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Dry (22%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0

Alternative 4 H1 (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	250	358	409	553	500	553	527	536	531	228	310	317	4,429
20%	213	279	256	534	500	553	496	509	490	179	254	258	3,989
30%	169	212	113	489	500	552	420	357	427	147	240	220	3,564
40%	122	154	87	360	412	470	295	190	365	99	199	165	3,054
50%	76	122	56	178	352	385	200	123	284	79	160	135	2,310
60%	49	82	53	72	250	288	105	78	226	58	110	109	1,859
70%	24	51	49	58	134	224	59	47	97	34	50	24	1,340
80%	5	22	38	49	58	73	43	41	46	20	22	15	931
90%	0	0	15	44	43	43	38	32	39	14	3	0	502
Long Term													
Full Simulation Period[a]	113	154	133	262	304	345	245	219	276	107	157	149	2,463
Water Year Types[b]													
Wet (32%)	162	230	269	469	487	516	411	399	426	152	280	270	4,070
Above Normal (15%)	79	148	93	345	404	510	362	307	412	118	222	191	3,190
Below Normal (17%)	96	156	98	177	297	319	198	153	304	121	138	146	2,205
Dry (22%)	109	112	58	103	144	194	100	79	108	59	47	44	1,157
Critical (15%)	67	59	28	69	52	67	39	28	36	53	9	6	513

Alternative 4 H1 (LLT) minus Existing Condition

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	250	358	409	553	500	553	527	536	531	228	310	317	4,429
20%	213	279	256	534	500	553	496	509	490	179	254	258	3,989
30%	169	212	113	489	500	552	420	357	427	147	240	220	3,564
40%	122	154	87	360	412	470	295	190	365	99	199	165	3,054
50%	76	122	56	178	352	385	200	123	284	79	160	135	2,310
60%	49	82	53	72	250	288	105	78	226	58	110	109	1,859
70%	24	51	49	58	134	224	59	47	97	34	50	24	1,340
80%	5	22	38	49	58	73	43	41	46	20	22	15	931
90%	0	0	15	44	43	43	38	32	39	14	3	0	502
Long Term													
Full Simulation Period[a]	113	154	133	262	304	345	245	219	276	107	157	149	2,463
Water Year Types[b]													
Wet (32%)	162	230	269	469	487	516	411	399	426	152	280	270	4,070
Above Normal (15%)	79	148	93	345	404	510	362	307	412	118	222	191	3,190
Below Normal (17%)	96	156	98	177	297	319	198	153	304	121	138	146	2,205
Dry (22%)	109	112	58	103	144	194	100	79	108	59	47	44	1,157
Critical (15%)	67	59	28	69	52	67	39	28	36	53	9	6	513

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-11-2-6. Isolated Facility Exports, Monthly Delivery Volume

Existing Condition

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	0	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0	0
Long Term													
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]													
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (17%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Dry (22%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0

Alternative 4 H2 (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	293	360	433	553	500	553	483	517	481	288	248	319	4,133
20%	196	275	273	534	500	553	423	297	369	173	227	255	3,487
30%	114	197	107	483	500	536	312	187	262	133	176	199	2,792
40%	95	154	80	370	393	383	89	92	200	96	158	126	2,450
50%	71	127	55	178	342	237	89	60	155	68	112	109	1,923
60%	56	97	50	84	254	92	58	46	83	58	64	47	1,475
70%	30	51	43	61	123	92	42	41	59	39	21	20	1,157
80%	16	17	39	49	59	57	39	34	45	18	8	10	866
90%	0	0	33	8	43	43	34	21	39	1	0	0	538
Long Term													
Full Simulation Period[a]	110	158	136	259	302	284	186	161	193	109	118	134	2,149
Water Year Types[b]													
Wet (32%)	169	234	276	470	481	430	332	310	334	156	208	268	3,669
Above Normal (15%)	67	147	90	340	416	456	244	222	226	160	188	134	2,690
Below Normal (17%)	118	162	96	174	282	207	148	74	172	104	87	103	1,727
Dry (22%)	79	119	67	97	145	164	65	63	92	51	32	36	1,009
Critical (15%)	61	54	33	64	56	65	34	28	30	49	16	26	517

Alternative 4 H2 (LLT) minus Existing Condition

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	293	360	433	553	500	553	483	517	481	288	248	319	4,133
20%	196	275	273	534	500	553	423	297	369	173	227	255	3,487
30%	114	197	107	483	500	536	312	187	262	133	176	199	2,792
40%	95	154	80	370	393	383	89	92	200	96	158	126	2,450
50%	71	127	55	178	342	237	89	60	155	68	112	109	1,923
60%	56	97	50	84	254	92	58	46	83	58	64	47	1,475
70%	30	51	43	61	123	92	42	41	59	39	21	20	1,157
80%	16	17	39	49	59	57	39	34	45	18	8	10	866
90%	0	0	33	8	43	43	34	21	39	1	0	0	538
Long Term													
Full Simulation Period[a]	110	158	136	259	302	284	186	161	193	109	118	134	2,149
Water Year Types[b]													
Wet (32%)	169	234	276	470	481	430	332	310	334	156	208	268	3,669
Above Normal (15%)	67	147	90	340	416	456	244	222	226	160	188	134	2,690
Below Normal (17%)	118	162	96	174	282	207	148	74	172	104	87	103	1,727
Dry (22%)	79	119	67	97	145	164	65	63	92	51	32	36	1,009
Critical (15%)	61	54	33	64	56	65	34	28	30	49	16	26	517

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-11-2-7. Isolated Facility Exports, Monthly Delivery Volume

Existing Condition

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	0	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0	0
Long Term													
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]													
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (17%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Dry (22%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0

Alternative 4 H3 (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	261	342	398	553	509	553	536	542	532	226	286	433	4,412
20%	196	231	235	534	500	553	497	509	491	179	248	347	3,940
30%	166	168	95	484	500	552	417	370	440	135	217	259	3,520
40%	134	114	73	312	438	485	288	197	390	92	179	209	3,145
50%	103	95	56	160	348	399	196	122	303	81	131	118	2,220
60%	63	71	52	87	250	271	99	64	157	63	84	69	1,665
70%	45	59	49	59	120	213	49	47	64	37	36	20	1,137
80%	12	2	36	50	59	87	42	40	46	26	18	11	954
90%	0	0	11	43	40	43	38	32	39	14	0	0	570
Long Term													
Full Simulation Period[a]	120	132	123	257	302	341	244	221	275	105	140	176	2,435
Water Year Types[b]													
Wet (32%)	171	194	244	468	490	521	415	403	432	145	253	340	4,077
Above Normal (15%)	111	139	90	334	411	502	353	313	415	119	219	309	3,315
Below Normal (17%)	93	137	91	162	279	284	194	151	280	113	117	84	1,986
Dry (22%)	111	102	57	99	143	204	99	78	112	67	31	30	1,132
Critical (15%)	62	30	31	68	49	64	38	29	33	53	6	11	473

Alternative 4 H3 (LLT) minus Existing Condition

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	261	342	398	553	509	553	536	542	532	226	286	433	4,412
20%	196	231	235	534	500	553	497	509	491	179	248	347	3,940
30%	166	168	95	484	500	552	417	370	440	135	217	259	3,520
40%	134	114	73	312	438	485	288	197	390	92	179	209	3,145
50%	103	95	56	160	348	399	196	122	303	81	131	118	2,220
60%	63	71	52	87	250	271	99	64	157	63	84	69	1,665
70%	45	59	49	59	120	213	49	47	64	37	36	20	1,137
80%	12	2	36	50	59	87	42	40	46	26	18	11	954
90%	0	0	11	43	40	43	38	32	39	14	0	0	570
Long Term													
Full Simulation Period[a]	120	132	123	257	302	341	244	221	275	105	140	176	2,435
Water Year Types[b]													
Wet (32%)	171	194	244	468	490	521	415	403	432	145	253	340	4,077
Above Normal (15%)	111	139	90	334	411	502	353	313	415	119	219	309	3,315
Below Normal (17%)	93	137	91	162	279	284	194	151	280	113	117	84	1,986
Dry (22%)	111	102	57	99	143	204	99	78	112	67	31	30	1,132
Critical (15%)	62	30	31	68	49	64	38	29	33	53	6	11	473

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-11-2-8. Isolated Facility Exports, Monthly Delivery Volume

Existing Condition

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	0	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0	0
Long Term													
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]													
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (17%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Dry (22%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0

Alternative 4 H4 (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	244	352	409	553	513	553	505	513	481	279	259	467	4,184
20%	181	249	237	534	500	553	424	318	347	174	218	399	3,519
30%	144	163	98	488	500	535	308	138	266	143	177	286	2,997
40%	127	122	70	350	405	366	89	92	186	111	127	229	2,513
50%	90	109	55	145	328	204	89	54	129	79	79	88	1,842
60%	77	80	51	79	243	92	51	46	71	61	43	50	1,351
70%	60	63	47	60	109	92	40	40	50	40	13	13	1,043
80%	26	2	39	49	56	57	38	33	45	25	7	8	835
90%	0	0	32	41	42	43	31	21	39	8	0	0	522
Long Term													
Full Simulation Period[a]	116	138	126	254	295	278	187	157	191	112	110	180	2,144
Water Year Types[b]													
Wet (32%)	161	203	248	464	478	432	340	303	329	164	203	371	3,695
Above Normal (15%)	108	154	90	330	414	442	246	222	241	141	195	311	2,895
Below Normal (17%)	114	132	90	156	263	190	145	69	179	102	68	62	1,571
Dry (22%)	91	108	65	101	138	160	63	58	75	66	17	18	959
Critical (15%)	68	30	33	67	53	64	32	28	28	50	9	15	478

Alternative 4 H4 (LLT) minus Existing Condition

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	244	352	409	553	513	553	505	513	481	279	259	467	4,184
20%	181	249	237	534	500	553	424	318	347	174	218	399	3,519
30%	144	163	98	488	500	535	308	138	266	143	177	286	2,997
40%	127	122	70	350	405	366	89	92	186	111	127	229	2,513
50%	90	109	55	145	328	204	89	54	129	79	79	88	1,842
60%	77	80	51	79	243	92	51	46	71	61	43	50	1,351
70%	60	63	47	60	109	92	40	40	50	40	13	13	1,043
80%	26	2	39	49	56	57	38	33	45	25	7	8	835
90%	0	0	32	41	42	43	31	21	39	8	0	0	522
Long Term													
Full Simulation Period[a]	116	138	126	254	295	278	187	157	191	112	110	180	2,144
Water Year Types[b]													
Wet (32%)	161	203	248	464	478	432	340	303	329	164	203	371	3,695
Above Normal (15%)	108	154	90	330	414	442	246	222	241	141	195	311	2,895
Below Normal (17%)	114	132	90	156	263	190	145	69	179	102	68	62	1,571
Dry (22%)	91	108	65	101	138	160	63	58	75	66	17	18	959
Critical (15%)	68	30	33	67	53	64	32	28	28	50	9	15	478

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-11-2-9. Isolated Facility Exports, Monthly Delivery Volume

Existing Condition

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	0	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0	0
Long Term													
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]													
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (17%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Dry (22%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0

Alternative 5 (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	184	177	142	184	172	184	179	184	179	184	184	179	1,897
20%	184	142	113	184	167	184	179	183	179	184	184	179	1,727
30%	154	123	59	179	167	184	176	160	179	163	184	175	1,653
40%	129	106	43	149	167	184	160	130	176	145	177	105	1,491
50%	0	87	31	97	135	177	116	85	166	119	131	81	1,293
60%	0	64	24	52	117	148	73	49	151	81	102	69	963
70%	0	17	19	34	77	114	36	22	86	50	42	39	853
80%	0	0	18	24	30	47	18	18	18	39	18	13	644
90%	0	0	15	18	18	18	18	18	18	20	8	0	302
Long Term													
Full Simulation Period[a]	74	81	55	100	112	134	105	94	123	108	112	93	1,191
Water Year Types[b]													
Wet (32%)	108	110	101	171	166	184	157	153	176	132	173	159	1,790
Above Normal (15%)	71	82	40	131	144	178	152	140	169	100	159	133	1,500
Below Normal (17%)	71	89	42	70	112	140	103	74	134	118	121	65	1,138
Dry (22%)	60	62	33	47	72	96	57	48	77	112	54	43	762
Critical (15%)	30	34	16	32	25	32	20	16	17	43	5	17	287

Alternative 5 (LLT) minus Existing Condition

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	184	177	142	184	172	184	179	184	179	184	184	179	1,897
20%	184	142	113	184	167	184	179	183	179	184	184	179	1,727
30%	154	123	59	179	167	184	176	160	179	163	184	175	1,653
40%	129	106	43	149	167	184	160	130	176	145	177	105	1,491
50%	0	87	31	97	135	177	116	85	166	119	131	81	1,293
60%	0	64	24	52	117	148	73	49	151	81	102	69	963
70%	0	17	19	34	77	114	36	22	86	50	42	39	853
80%	0	0	18	24	30	47	18	18	18	39	18	13	644
90%	0	0	15	18	18	18	18	18	18	20	8	0	302
Long Term													
Full Simulation Period[a]	74	81	55	100	112	134	105	94	123	108	112	93	1,191
Water Year Types[b]													
Wet (32%)	108	110	101	171	166	184	157	153	176	132	173	159	1,790
Above Normal (15%)	71	82	40	131	144	178	152	140	169	100	159	133	1,500
Below Normal (17%)	71	89	42	70	112	140	103	74	134	118	121	65	1,138
Dry (22%)	60	62	33	47	72	96	57	48	77	112	54	43	762
Critical (15%)	30	34	16	32	25	32	20	16	17	43	5	17	287

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-11-2-10. Isolated Facility Exports, Monthly Delivery Volume

Existing Condition

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	0	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0	0
Long Term													
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]													
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (17%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Dry (22%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0

Alternative 6A,6B,6C (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	341	376	546	892	807	809	714	721	635	818	601	410	6,261
20%	304	297	284	879	806	728	593	590	453	687	492	390	5,600
30%	256	221	102	674	760	646	487	264	266	634	447	368	5,105
40%	245	169	83	385	581	571	271	117	190	546	405	346	4,455
50%	205	134	63	161	522	465	190	85	92	490	372	320	3,674
60%	173	125	50	106	280	319	93	72	49	435	342	287	2,776
70%	157	115	43	60	104	203	42	58	43	389	295	242	2,245
80%	130	89	37	52	61	91	37	42	39	358	236	195	1,868
90%	72	77	31	45	42	42	35	38	35	261	191	152	1,461
Long Term													
Full Simulation Period[a]	210	195	165	370	440	436	286	247	220	509	384	295	3,758
Water Year Types[b]													
Wet (32%)	248	260	349	708	739	679	520	503	409	564	479	354	5,811
Above Normal (15%)	181	184	136	511	654	699	433	306	338	582	448	390	4,862
Below Normal (17%)	204	188	80	194	379	352	198	112	152	634	467	350	3,311
Dry (22%)	203	179	69	122	170	222	85	67	47	427	300	236	2,127
Critical (15%)	175	96	38	73	56	67	36	60	34	296	146	97	1,173

Alternative 6A,6B,6C (LLT) minus Existing Condition

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	341	376	546	892	807	809	714	721	635	818	601	410	6,261
20%	304	297	284	879	806	728	593	590	453	687	492	390	5,600
30%	256	221	102	674	760	646	487	264	266	634	447	368	5,105
40%	245	169	83	385	581	571	271	117	190	546	405	346	4,455
50%	205	134	63	161	522	465	190	85	92	490	372	320	3,674
60%	173	125	50	106	280	319	93	72	49	435	342	287	2,776
70%	157	115	43	60	104	203	42	58	43	389	295	242	2,245
80%	130	89	37	52	61	91	37	42	39	358	236	195	1,868
90%	72	77	31	45	42	42	35	38	35	261	191	152	1,461
Long Term													
Full Simulation Period[a]	210	195	165	370	440	436	286	247	220	509	384	295	3,758
Water Year Types[b]													
Wet (32%)	248	260	349	708	739	679	520	503	409	564	479	354	5,811
Above Normal (15%)	181	184	136	511	654	699	433	306	338	582	448	390	4,862
Below Normal (17%)	204	188	80	194	379	352	198	112	152	634	467	350	3,311
Dry (22%)	203	179	69	122	170	222	85	67	47	427	300	236	2,127
Critical (15%)	175	96	38	73	56	67	36	60	34	296	146	97	1,173

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-11-2-11. Isolated Facility Exports, Monthly Delivery Volume

Existing Condition

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	0	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0	0
Long Term													
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]													
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (17%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Dry (22%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0

Alternative 7 (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	365	357	378	553	500	553	536	553	491	150	175	412	4,249
20%	304	280	241	537	500	553	536	506	441	121	121	324	3,850
30%	265	206	97	450	500	553	408	266	345	104	86	263	3,435
40%	245	146	68	291	410	453	247	112	282	84	65	230	2,912
50%	201	132	51	160	339	363	127	91	178	59	34	106	1,942
60%	185	116	42	93	226	226	57	75	39	27	10	55	1,345
70%	161	102	37	53	106	145	34	57	35	18	8	25	1,128
80%	156	86	31	44	55	73	31	36	35	9	0	5	996
90%	72	65	26	37	35	36	28	31	34	0	0	0	699
Long Term													
Full Simulation Period[a]	218	174	121	251	295	323	230	202	218	74	64	169	2,338
Water Year Types[b]													
Wet (32%)	257	217	249	458	485	512	428	393	399	77	117	333	3,928
Above Normal (15%)	185	159	88	339	409	503	350	282	364	61	122	282	3,144
Below Normal (17%)	207	183	67	149	262	254	153	87	137	69	40	74	1,681
Dry (22%)	215	168	58	96	132	162	58	52	43	80	8	37	1,107
Critical (15%)	181	90	32	64	49	57	31	71	36	75	1	8	696

Alternative 7 (LLT) minus Existing Condition

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	365	357	378	553	500	553	536	553	491	150	175	412	4,249
20%	304	280	241	537	500	553	536	506	441	121	121	324	3,850
30%	265	206	97	450	500	553	408	266	345	104	86	263	3,435
40%	245	146	68	291	410	453	247	112	282	84	65	230	2,912
50%	201	132	51	160	339	363	127	91	178	59	34	106	1,942
60%	185	116	42	93	226	226	57	75	39	27	10	55	1,345
70%	161	102	37	53	106	145	34	57	35	18	8	25	1,128
80%	156	86	31	44	55	73	31	36	35	9	0	5	996
90%	72	65	26	37	35	36	28	31	34	0	0	0	699
Long Term													
Full Simulation Period[a]	218	174	121	251	295	323	230	202	218	74	64	169	2,338
Water Year Types[b]													
Wet (32%)	257	217	249	458	485	512	428	393	399	77	117	333	3,928
Above Normal (15%)	185	159	88	339	409	503	350	282	364	61	122	282	3,144
Below Normal (17%)	207	183	67	149	262	254	153	87	137	69	40	74	1,681
Dry (22%)	215	168	58	96	132	162	58	52	43	80	8	37	1,107
Critical (15%)	181	90	32	64	49	57	31	71	36	75	1	8	696

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-11-2-12. Isolated Facility Exports, Monthly Delivery Volume

Existing Condition

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	0	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0	0
Long Term													
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]													
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (17%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Dry (22%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0

Alternative 8 (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	160	298	407	553	500	553	536	553	464	161	0	176	3,907
20%	151	211	244	543	500	553	536	553	368	89	0	111	3,513
30%	137	144	94	475	500	553	536	486	276	46	0	76	3,120
40%	113	90	75	349	453	510	476	386	178	30	0	65	2,682
50%	86	71	48	189	353	437	337	199	64	19	0	55	2,054
60%	68	65	42	106	271	329	243	109	45	0	0	39	1,425
70%	65	55	36	61	160	228	116	78	33	0	0	23	1,213
80%	25	48	30	45	67	112	78	66	31	0	0	0	900
90%	10	20	25	36	37	46	36	57	28	0	0	0	546
Long Term													
Full Simulation Period[a]	102	124	122	264	312	360	315	279	178	55	5	67	2,182
Water Year Types[b]													
Wet (32%)	155	170	247	465	491	522	485	476	364	94	15	104	3,589
Above Normal (15%)	107	146	87	359	423	510	452	403	230	51	1	127	2,897
Below Normal (17%)	77	112	82	177	274	339	333	239	102	52	0	49	1,835
Dry (22%)	77	109	56	108	181	233	146	83	33	40	0	25	1,091
Critical (15%)	50	37	30	70	53	71	41	70	30	2	0	10	462

Alternative 8 (LLT) minus Existing Condition

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	160	298	407	553	500	553	536	553	464	161	0	176	3,907
20%	151	211	244	543	500	553	536	553	368	89	0	111	3,513
30%	137	144	94	475	500	553	536	486	276	46	0	76	3,120
40%	113	90	75	349	453	510	476	386	178	30	0	65	2,682
50%	86	71	48	189	353	437	337	199	64	19	0	55	2,054
60%	68	65	42	106	271	329	243	109	45	0	0	39	1,425
70%	65	55	36	61	160	228	116	78	33	0	0	23	1,213
80%	25	48	30	45	67	112	78	66	31	0	0	0	900
90%	10	20	25	36	37	46	36	57	28	0	0	0	546
Long Term													
Full Simulation Period[a]	102	124	122	264	312	360	315	279	178	55	5	67	2,182
Water Year Types[b]													
Wet (32%)	155	170	247	465	491	522	485	476	364	94	15	104	3,589
Above Normal (15%)	107	146	87	359	423	510	452	403	230	51	1	127	2,897
Below Normal (17%)	77	112	82	177	274	339	333	239	102	52	0	49	1,835
Dry (22%)	77	109	56	108	181	233	146	83	33	40	0	25	1,091
Critical (15%)	50	37	30	70	53	71	41	70	30	2	0	10	462

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-11-2-13. Isolated Facility Exports, Monthly Delivery Volume

Existing Condition

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	0	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0	0
Long Term													
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]													
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (17%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Dry (22%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0

Alternative 9 (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	0	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0	0
Long Term													
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]													
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (17%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Dry (22%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0

Alternative 9 (LLT) minus Existing Condition

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	0	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0	0
Long Term													
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]													
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (17%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Dry (22%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-11-2-14. Isolated Facility Exports, Monthly Delivery Volume

No Action Alternative (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**TOT**
Probability of Exceedance													
10%	0	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0	0
Long Term													
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]													
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (17%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Dry (22%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0

Alternative 1A,1B,1C (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**TOT**
Probability of Exceedance													
10%	132	444	556	860	744	643	607	694	683	280	297	313	5,085
20%	3	307	307	743	592	596	522	581	424	196	247	253	4,591
30%	0	211	121	565	561	570	446	445	329	146	224	222	3,993
40%	0	162	83	391	504	529	263	264	279	119	204	164	3,335
50%	0	122	64	183	392	428	202	154	210	87	140	141	2,487
60%	0	81	57	78	301	324	124	91	133	69	77	111	1,882
70%	0	60	52	55	128	230	75	49	77	48	28	51	1,220
80%	0	0	45	47	66	69	47	45	47	15	12	14	873
90%	0	0	17	1	44	43	41	33	39	4	0	7	563
Long Term													
Full Simulation Period[a]	38	174	170	336	375	387	271	274	261	120	145	152	2,704
Water Year Types[b]													
Wet (32%)	90	282	359	636	571	544	455	501	443	169	278	268	4,595
Above Normal (15%)	16	164	122	468	563	658	409	390	381	199	196	210	3,777
Below Normal (17%)	10	149	110	212	387	342	213	204	240	110	126	130	2,234
Dry (22%)	27	132	66	89	171	226	112	87	83	63	26	60	1,142
Critical (15%)	0	44	38	68	51	70	39	29	38	34	6	7	423

Alternative 1A,1B,1C (LLT) minus No Action Alternative (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**TOT**
Probability of Exceedance													
10%	132	444	556	860	744	643	607	694	683	280	297	313	5,085
20%	3	307	307	743	592	596	522	581	424	196	247	253	4,591
30%	0	211	121	565	561	570	446	445	329	146	224	222	3,993
40%	0	162	83	391	504	529	263	264	279	119	204	164	3,335
50%	0	122	64	183	392	428	202	154	210	87	140	141	2,487
60%	0	81	57	78	301	324	124	91	133	69	77	111	1,882
70%	0	60	52	55	128	230	75	49	77	48	28	51	1,220
80%	0	0	45	47	66	69	47	45	47	15	12	14	873
90%	0	0	17	1	44	43	41	33	39	4	0	7	563
Long Term													
Full Simulation Period[a]	38	174	170	336	375	387	271	274	261	120	145	152	2,704
Water Year Types[b]													
Wet (32%)	90	282	359	636	571	544	455	501	443	169	278	268	4,595
Above Normal (15%)	16	164	122	468	563	658	409	390	381	199	196	210	3,777
Below Normal (17%)	10	149	110	212	387	342	213	204	240	110	126	130	2,234
Dry (22%)	27	132	66	89	171	226	112	87	83	63	26	60	1,142
Critical (15%)	0	44	38	68	51	70	39	29	38	34	6	7	423

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-11-2-15. Isolated Facility Exports, Monthly Delivery Volume

No Action Alternative (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**TOT**
Probability of Exceedance													
10%	0	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0	0
Long Term													
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]													
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (17%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Dry (22%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0

Alternative 2A,2B,2C (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**TOT**
Probability of Exceedance													
10%	264	365	516	891	807	726	637	723	638	299	329	414	5,536
20%	192	264	272	790	693	698	589	611	597	205	250	365	4,881
30%	147	158	103	611	624	614	479	438	526	168	211	246	4,404
40%	130	115	79	381	551	575	284	238	399	133	190	213	3,888
50%	107	101	62	182	448	446	200	121	298	98	154	109	2,467
60%	69	73	55	87	278	319	99	69	149	78	89	70	1,943
70%	47	65	50	60	127	222	50	47	55	55	33	28	1,218
80%	19	8	39	51	61	63	43	42	46	37	21	15	930
90%	0	0	5	42	42	43	38	32	39	16	0	0	576
Long Term													
Full Simulation Period[a]	121	147	159	354	406	418	285	274	314	128	149	175	2,930
Water Year Types[b]													
Wet (32%)	178	229	332	676	667	633	499	509	506	189	278	344	5,041
Above Normal (15%)	115	151	121	472	561	663	425	410	519	166	209	308	4,120
Below Normal (17%)	100	122	106	208	392	336	212	169	288	118	130	66	2,248
Dry (22%)	101	117	62	114	172	239	104	89	110	69	33	33	1,244
Critical (15%)	58	37	28	65	54	70	39	29	30	59	8	12	488

Alternative 2A,2B,2C (LLT) minus No Action Alternative (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**TOT**
Probability of Exceedance													
10%	264	365	516	891	807	726	637	723	638	299	329	414	5,536
20%	192	264	272	790	693	698	589	611	597	205	250	365	4,881
30%	147	158	103	611	624	614	479	438	526	168	211	246	4,404
40%	130	115	79	381	551	575	284	238	399	133	190	213	3,888
50%	107	101	62	182	448	446	200	121	298	98	154	109	2,467
60%	69	73	55	87	278	319	99	69	149	78	89	70	1,943
70%	47	65	50	60	127	222	50	47	55	55	33	28	1,218
80%	19	8	39	51	61	63	43	42	46	37	21	15	930
90%	0	0	5	42	42	43	38	32	39	16	0	0	576
Long Term													
Full Simulation Period[a]	121	147	159	354	406	418	285	274	314	128	149	175	2,930
Water Year Types[b]													
Wet (32%)	178	229	332	676	667	633	499	509	506	189	278	344	5,041
Above Normal (15%)	115	151	121	472	561	663	425	410	519	166	209	308	4,120
Below Normal (17%)	100	122	106	208	392	336	212	169	288	118	130	66	2,248
Dry (22%)	101	117	62	114	172	239	104	89	110	69	33	33	1,244
Critical (15%)	58	37	28	65	54	70	39	29	30	59	8	12	488

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-11-2-16. Isolated Facility Exports, Monthly Delivery Volume

No Action Alternative (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**TOT**
Probability of Exceedance													
10%	0	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0	0
Long Term													
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]													
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (17%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Dry (22%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0

Alternative 3 (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**TOT**
Probability of Exceedance													
10%	146	299	292	369	333	369	336	367	357	292	276	315	3,258
20%	12	239	223	369	333	369	272	328	334	205	250	275	2,952
30%	0	196	96	347	333	369	246	298	286	154	227	219	2,661
40%	0	136	75	270	325	361	213	229	251	117	210	172	2,388
50%	0	105	49	140	240	320	165	161	193	85	136	129	1,957
60%	0	76	40	58	216	241	104	92	128	64	98	99	1,400
70%	0	51	37	45	101	187	61	43	77	35	33	49	1,002
80%	0	0	36	37	52	63	37	37	36	24	16	15	704
90%	0	0	13	11	35	36	35	32	35	15	0	7	520
Long Term													
Full Simulation Period[a]	36	130	101	185	216	253	167	178	190	120	145	144	1,864
Water Year Types[b]													
Wet (32%)	83	184	197	325	330	361	249	291	293	167	273	249	3,001
Above Normal (15%)	16	124	71	246	287	363	249	265	282	192	188	215	2,499
Below Normal (17%)	7	137	73	133	217	243	153	150	199	109	132	122	1,675
Dry (22%)	27	103	55	68	116	165	93	81	74	57	33	51	922
Critical (15%)	0	49	26	56	44	55	35	27	37	53	6	9	397

Alternative 3 (LLT) minus No Action Alternative (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**TOT**
Probability of Exceedance													
10%	146	299	292	369	333	369	336	367	357	292	276	315	3,258
20%	12	239	223	369	333	369	272	328	334	205	250	275	2,952
30%	0	196	96	347	333	369	246	298	286	154	227	219	2,661
40%	0	136	75	270	325	361	213	229	251	117	210	172	2,388
50%	0	105	49	140	240	320	165	161	193	85	136	129	1,957
60%	0	76	40	58	216	241	104	92	128	64	98	99	1,400
70%	0	51	37	45	101	187	61	43	77	35	33	49	1,002
80%	0	0	36	37	52	63	37	37	36	24	16	15	704
90%	0	0	13	11	35	36	35	32	35	15	0	7	520
Long Term													
Full Simulation Period[a]	36	130	101	185	216	253	167	178	190	120	145	144	1,864
Water Year Types[b]													
Wet (32%)	83	184	197	325	330	361	249	291	293	167	273	249	3,001
Above Normal (15%)	16	124	71	246	287	363	249	265	282	192	188	215	2,499
Below Normal (17%)	7	137	73	133	217	243	153	150	199	109	132	122	1,675
Dry (22%)	27	103	55	68	116	165	93	81	74	57	33	51	922
Critical (15%)	0	49	26	56	44	55	35	27	37	53	6	9	397

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-11-2-17. Isolated Facility Exports, Monthly Delivery Volume

No Action Alternative (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**TOT**
Probability of Exceedance													
10%	0	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0	0
Long Term													
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]													
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (17%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Dry (22%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0

Alternative 4 H1 (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**TOT**
Probability of Exceedance													
10%	250	358	409	553	500	553	527	536	531	228	310	317	4,429
20%	213	279	256	534	500	553	496	509	490	179	254	258	3,989
30%	169	212	113	489	500	552	420	357	427	147	240	220	3,564
40%	122	154	87	360	412	470	295	190	365	99	199	165	3,054
50%	76	122	56	178	352	385	200	123	284	79	160	135	2,310
60%	49	82	53	72	250	288	105	78	226	58	110	109	1,859
70%	24	51	49	58	134	224	59	47	97	34	50	24	1,340
80%	5	22	38	49	58	73	43	41	46	20	22	15	931
90%	0	0	15	44	43	43	38	32	39	14	3	0	502
Long Term													
Full Simulation Period[a]	113	154	133	262	304	345	245	219	276	107	157	149	2,463
Water Year Types[b]													
Wet (32%)	162	230	269	469	487	516	411	399	426	152	280	270	4,070
Above Normal (15%)	79	148	93	345	404	510	362	307	412	118	222	191	3,190
Below Normal (17%)	96	156	98	177	297	319	198	153	304	121	138	146	2,205
Dry (22%)	109	112	58	103	144	194	100	79	108	59	47	44	1,157
Critical (15%)	67	59	28	69	52	67	39	28	36	53	9	6	513

Alternative 4 H1 (LLT) minus No Action Alternative (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**TOT**
Probability of Exceedance													
10%	250	358	409	553	500	553	527	536	531	228	310	317	4,429
20%	213	279	256	534	500	553	496	509	490	179	254	258	3,989
30%	169	212	113	489	500	552	420	357	427	147	240	220	3,564
40%	122	154	87	360	412	470	295	190	365	99	199	165	3,054
50%	76	122	56	178	352	385	200	123	284	79	160	135	2,310
60%	49	82	53	72	250	288	105	78	226	58	110	109	1,859
70%	24	51	49	58	134	224	59	47	97	34	50	24	1,340
80%	5	22	38	49	58	73	43	41	46	20	22	15	931
90%	0	0	15	44	43	43	38	32	39	14	3	0	502
Long Term													
Full Simulation Period[a]	113	154	133	262	304	345	245	219	276	107	157	149	2,463
Water Year Types[b]													
Wet (32%)	162	230	269	469	487	516	411	399	426	152	280	270	4,070
Above Normal (15%)	79	148	93	345	404	510	362	307	412	118	222	191	3,190
Below Normal (17%)	96	156	98	177	297	319	198	153	304	121	138	146	2,205
Dry (22%)	109	112	58	103	144	194	100	79	108	59	47	44	1,157
Critical (15%)	67	59	28	69	52	67	39	28	36	53	9	6	513

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-11-2-18. Isolated Facility Exports, Monthly Delivery Volume

No Action Alternative (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**TOT**
Probability of Exceedance													
10%	0	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0	0
Long Term													
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]													
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (17%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Dry (22%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0

Alternative 4 H2 (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**TOT**
Probability of Exceedance													
10%	293	360	433	553	500	553	483	517	481	288	248	319	4,133
20%	196	275	273	534	500	553	423	297	369	173	227	255	3,487
30%	114	197	107	483	500	536	312	187	262	133	176	199	2,792
40%	95	154	80	370	393	383	89	92	200	96	158	126	2,450
50%	71	127	55	178	342	237	89	60	155	68	112	109	1,923
60%	56	97	50	84	254	92	58	46	83	58	64	47	1,475
70%	30	51	43	61	123	92	42	41	59	39	21	20	1,157
80%	16	17	39	49	59	57	39	34	45	18	8	10	866
90%	0	0	33	8	43	43	34	21	39	1	0	0	538
Long Term													
Full Simulation Period[a]	110	158	136	259	302	284	186	161	193	109	118	134	2,149
Water Year Types[b]													
Wet (32%)	169	234	276	470	481	430	332	310	334	156	208	268	3,669
Above Normal (15%)	67	147	90	340	416	456	244	222	226	160	188	134	2,690
Below Normal (17%)	118	162	96	174	282	207	148	74	172	104	87	103	1,727
Dry (22%)	79	119	67	97	145	164	65	63	92	51	32	36	1,009
Critical (15%)	61	54	33	64	56	65	34	28	30	49	16	26	517

Alternative 4 H2 (LLT) minus No Action Alternative (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**TOT**
Probability of Exceedance													
10%	293	360	433	553	500	553	483	517	481	288	248	319	4,133
20%	196	275	273	534	500	553	423	297	369	173	227	255	3,487
30%	114	197	107	483	500	536	312	187	262	133	176	199	2,792
40%	95	154	80	370	393	383	89	92	200	96	158	126	2,450
50%	71	127	55	178	342	237	89	60	155	68	112	109	1,923
60%	56	97	50	84	254	92	58	46	83	58	64	47	1,475
70%	30	51	43	61	123	92	42	41	59	39	21	20	1,157
80%	16	17	39	49	59	57	39	34	45	18	8	10	866
90%	0	0	33	8	43	43	34	21	39	1	0	0	538
Long Term													
Full Simulation Period[a]	110	158	136	259	302	284	186	161	193	109	118	134	2,149
Water Year Types[b]													
Wet (32%)	169	234	276	470	481	430	332	310	334	156	208	268	3,669
Above Normal (15%)	67	147	90	340	416	456	244	222	226	160	188	134	2,690
Below Normal (17%)	118	162	96	174	282	207	148	74	172	104	87	103	1,727
Dry (22%)	79	119	67	97	145	164	65	63	92	51	32	36	1,009
Critical (15%)	61	54	33	64	56	65	34	28	30	49	16	26	517

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-11-2-19. Isolated Facility Exports, Monthly Delivery Volume

No Action Alternative (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**TOT**
Probability of Exceedance													
10%	0	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0	0
Long Term													
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]													
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (17%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Dry (22%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0

Alternative 4 H3 (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**TOT**
Probability of Exceedance													
10%	261	342	398	553	509	553	536	542	532	226	286	433	4,412
20%	196	231	235	534	500	553	497	509	491	179	248	347	3,940
30%	166	168	95	484	500	552	417	370	440	135	217	259	3,520
40%	134	114	73	312	438	485	288	197	390	92	179	209	3,145
50%	103	95	56	160	348	399	196	122	303	81	131	118	2,220
60%	63	71	52	87	250	271	99	64	157	63	84	69	1,665
70%	45	59	49	59	120	213	49	47	64	37	36	20	1,137
80%	12	2	36	50	59	87	42	40	46	26	18	11	954
90%	0	0	11	43	40	43	38	32	39	14	0	0	570
Long Term													
Full Simulation Period[a]	120	132	123	257	302	341	244	221	275	105	140	176	2,435
Water Year Types[b]													
Wet (32%)	171	194	244	468	490	521	415	403	432	145	253	340	4,077
Above Normal (15%)	111	139	90	334	411	502	353	313	415	119	219	309	3,315
Below Normal (17%)	93	137	91	162	279	284	194	151	280	113	117	84	1,986
Dry (22%)	111	102	57	99	143	204	99	78	112	67	31	30	1,132
Critical (15%)	62	30	31	68	49	64	38	29	33	53	6	11	473

Alternative 4 H3 (LLT) minus No Action Alternative (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**TOT**
Probability of Exceedance													
10%	261	342	398	553	509	553	536	542	532	226	286	433	4,412
20%	196	231	235	534	500	553	497	509	491	179	248	347	3,940
30%	166	168	95	484	500	552	417	370	440	135	217	259	3,520
40%	134	114	73	312	438	485	288	197	390	92	179	209	3,145
50%	103	95	56	160	348	399	196	122	303	81	131	118	2,220
60%	63	71	52	87	250	271	99	64	157	63	84	69	1,665
70%	45	59	49	59	120	213	49	47	64	37	36	20	1,137
80%	12	2	36	50	59	87	42	40	46	26	18	11	954
90%	0	0	11	43	40	43	38	32	39	14	0	0	570
Long Term													
Full Simulation Period[a]	120	132	123	257	302	341	244	221	275	105	140	176	2,435
Water Year Types[b]													
Wet (32%)	171	194	244	468	490	521	415	403	432	145	253	340	4,077
Above Normal (15%)	111	139	90	334	411	502	353	313	415	119	219	309	3,315
Below Normal (17%)	93	137	91	162	279	284	194	151	280	113	117	84	1,986
Dry (22%)	111	102	57	99	143	204	99	78	112	67	31	30	1,132
Critical (15%)	62	30	31	68	49	64	38	29	33	53	6	11	473

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-11-2-20. Isolated Facility Exports, Monthly Delivery Volume

No Action Alternative (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	0	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0	0
Long Term													
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]													
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (17%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Dry (22%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0

Alternative 4 H4 (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	244	352	409	553	513	553	505	513	481	279	259	467	4,184
20%	181	249	237	534	500	553	424	318	347	174	218	399	3,519
30%	144	163	98	488	500	535	308	138	266	143	177	286	2,997
40%	127	122	70	350	405	366	89	92	186	111	127	229	2,513
50%	90	109	55	145	328	204	89	54	129	79	79	88	1,842
60%	77	80	51	79	243	92	51	46	71	61	43	50	1,351
70%	60	63	47	60	109	92	40	40	50	40	13	13	1,043
80%	26	2	39	49	56	57	38	33	45	25	7	8	835
90%	0	0	32	41	42	43	31	21	39	8	0	0	522
Long Term													
Full Simulation Period[a]	116	138	126	254	295	278	187	157	191	112	110	180	2,144
Water Year Types[b]													
Wet (32%)	161	203	248	464	478	432	340	303	329	164	203	371	3,695
Above Normal (15%)	108	154	90	330	414	442	246	222	241	141	195	311	2,895
Below Normal (17%)	114	132	90	156	263	190	145	69	179	102	68	62	1,571
Dry (22%)	91	108	65	101	138	160	63	58	75	66	17	18	959
Critical (15%)	68	30	33	67	53	64	32	28	28	50	9	15	478

Alternative 4 H4 (LLT) minus No Action Alternative (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	244	352	409	553	513	553	505	513	481	279	259	467	4,184
20%	181	249	237	534	500	553	424	318	347	174	218	399	3,519
30%	144	163	98	488	500	535	308	138	266	143	177	286	2,997
40%	127	122	70	350	405	366	89	92	186	111	127	229	2,513
50%	90	109	55	145	328	204	89	54	129	79	79	88	1,842
60%	77	80	51	79	243	92	51	46	71	61	43	50	1,351
70%	60	63	47	60	109	92	40	40	50	40	13	13	1,043
80%	26	2	39	49	56	57	38	33	45	25	7	8	835
90%	0	0	32	41	42	43	31	21	39	8	0	0	522
Long Term													
Full Simulation Period[a]	116	138	126	254	295	278	187	157	191	112	110	180	2,144
Water Year Types[b]													
Wet (32%)	161	203	248	464	478	432	340	303	329	164	203	371	3,695
Above Normal (15%)	108	154	90	330	414	442	246	222	241	141	195	311	2,895
Below Normal (17%)	114	132	90	156	263	190	145	69	179	102	68	62	1,571
Dry (22%)	91	108	65	101	138	160	63	58	75	66	17	18	959
Critical (15%)	68	30	33	67	53	64	32	28	28	50	9	15	478

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-11-2-21. Isolated Facility Exports, Monthly Delivery Volume

No Action Alternative (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**TOT**
Probability of Exceedance													
10%	0	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0	0
Long Term													
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]													
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (17%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Dry (22%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0

Alternative 5 (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**TOT**
Probability of Exceedance													
10%	184	177	142	184	172	184	179	184	179	184	184	179	1,897
20%	184	142	113	184	167	184	179	183	179	184	184	179	1,727
30%	154	123	59	179	167	184	176	160	179	163	184	175	1,653
40%	129	106	43	149	167	184	160	130	176	145	177	105	1,491
50%	0	87	31	97	135	177	116	85	166	119	131	81	1,293
60%	0	64	24	52	117	148	73	49	151	81	102	69	963
70%	0	17	19	34	77	114	36	22	86	50	42	39	853
80%	0	0	18	24	30	47	18	18	18	39	18	13	644
90%	0	0	15	18	18	18	18	18	18	20	8	0	302
Long Term													
Full Simulation Period[a]	74	81	55	100	112	134	105	94	123	108	112	93	1,191
Water Year Types[b]													
Wet (32%)	108	110	101	171	166	184	157	153	176	132	173	159	1,790
Above Normal (15%)	71	82	40	131	144	178	152	140	169	100	159	133	1,500
Below Normal (17%)	71	89	42	70	112	140	103	74	134	118	121	65	1,138
Dry (22%)	60	62	33	47	72	96	57	48	77	112	54	43	762
Critical (15%)	30	34	16	32	25	32	20	16	17	43	5	17	287

Alternative 5 (LLT) minus No Action Alternative (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**TOT**
Probability of Exceedance													
10%	184	177	142	184	172	184	179	184	179	184	184	179	1,897
20%	184	142	113	184	167	184	179	183	179	184	184	179	1,727
30%	154	123	59	179	167	184	176	160	179	163	184	175	1,653
40%	129	106	43	149	167	184	160	130	176	145	177	105	1,491
50%	0	87	31	97	135	177	116	85	166	119	131	81	1,293
60%	0	64	24	52	117	148	73	49	151	81	102	69	963
70%	0	17	19	34	77	114	36	22	86	50	42	39	853
80%	0	0	18	24	30	47	18	18	18	39	18	13	644
90%	0	0	15	18	18	18	18	18	18	20	8	0	302
Long Term													
Full Simulation Period[a]	74	81	55	100	112	134	105	94	123	108	112	93	1,191
Water Year Types[b]													
Wet (32%)	108	110	101	171	166	184	157	153	176	132	173	159	1,790
Above Normal (15%)	71	82	40	131	144	178	152	140	169	100	159	133	1,500
Below Normal (17%)	71	89	42	70	112	140	103	74	134	118	121	65	1,138
Dry (22%)	60	62	33	47	72	96	57	48	77	112	54	43	762
Critical (15%)	30	34	16	32	25	32	20	16	17	43	5	17	287

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-11-2-22. Isolated Facility Exports, Monthly Delivery Volume

No Action Alternative (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**TOT**
Probability of Exceedance													
10%	0	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0	0
Long Term													
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]													
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (17%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Dry (22%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0

Alternative 6A,6B,6C (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**TOT**
Probability of Exceedance													
10%	341	376	546	892	807	809	714	721	635	818	601	410	6,261
20%	304	297	284	879	806	728	593	590	453	687	492	390	5,600
30%	256	221	102	674	760	646	487	264	266	634	447	368	5,105
40%	245	169	83	385	581	571	271	117	190	546	405	346	4,455
50%	205	134	63	161	522	465	190	85	92	490	372	320	3,674
60%	173	125	50	106	280	319	93	72	49	435	342	287	2,776
70%	157	115	43	60	104	203	42	58	43	389	295	242	2,245
80%	130	89	37	52	61	91	37	42	39	358	236	195	1,868
90%	72	77	31	45	42	42	35	38	35	261	191	152	1,461
Long Term													
Full Simulation Period[a]	210	195	165	370	440	436	286	247	220	509	384	295	3,758
Water Year Types[b]													
Wet (32%)	248	260	349	708	739	679	520	503	409	564	479	354	5,811
Above Normal (15%)	181	184	136	511	654	699	433	306	338	582	448	390	4,862
Below Normal (17%)	204	188	80	194	379	352	198	112	152	634	467	350	3,311
Dry (22%)	203	179	69	122	170	222	85	67	47	427	300	236	2,127
Critical (15%)	175	96	38	73	56	67	36	60	34	296	146	97	1,173

Alternative 6A,6B,6C (LLT) minus No Action Alternative (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**TOT**
Probability of Exceedance													
10%	341	376	546	892	807	809	714	721	635	818	601	410	6,261
20%	304	297	284	879	806	728	593	590	453	687	492	390	5,600
30%	256	221	102	674	760	646	487	264	266	634	447	368	5,105
40%	245	169	83	385	581	571	271	117	190	546	405	346	4,455
50%	205	134	63	161	522	465	190	85	92	490	372	320	3,674
60%	173	125	50	106	280	319	93	72	49	435	342	287	2,776
70%	157	115	43	60	104	203	42	58	43	389	295	242	2,245
80%	130	89	37	52	61	91	37	42	39	358	236	195	1,868
90%	72	77	31	45	42	42	35	38	35	261	191	152	1,461
Long Term													
Full Simulation Period[a]	210	195	165	370	440	436	286	247	220	509	384	295	3,758
Water Year Types[b]													
Wet (32%)	248	260	349	708	739	679	520	503	409	564	479	354	5,811
Above Normal (15%)	181	184	136	511	654	699	433	306	338	582	448	390	4,862
Below Normal (17%)	204	188	80	194	379	352	198	112	152	634	467	350	3,311
Dry (22%)	203	179	69	122	170	222	85	67	47	427	300	236	2,127
Critical (15%)	175	96	38	73	56	67	36	60	34	296	146	97	1,173

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-11-2-23. Isolated Facility Exports, Monthly Delivery Volume

No Action Alternative (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**TOT**
Probability of Exceedance													
10%	0	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0	0
Long Term													
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]													
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (17%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Dry (22%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0

Alternative 7 (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**TOT**
Probability of Exceedance													
10%	365	357	378	553	500	553	536	553	491	150	175	412	4,249
20%	304	280	241	537	500	553	536	506	441	121	121	324	3,850
30%	265	206	97	450	500	553	408	266	345	104	86	263	3,435
40%	245	146	68	291	410	453	247	112	282	84	65	230	2,912
50%	201	132	51	160	339	363	127	91	178	59	34	106	1,942
60%	185	116	42	93	226	226	57	75	39	27	10	55	1,345
70%	161	102	37	53	106	145	34	57	35	18	8	25	1,128
80%	156	86	31	44	55	73	31	36	35	9	0	5	996
90%	72	65	26	37	35	36	28	31	34	0	0	0	699
Long Term													
Full Simulation Period[a]	218	174	121	251	295	323	230	202	218	74	64	169	2,338
Water Year Types[b]													
Wet (32%)	257	217	249	458	485	512	428	393	399	77	117	333	3,928
Above Normal (15%)	185	159	88	339	409	503	350	282	364	61	122	282	3,144
Below Normal (17%)	207	183	67	149	262	254	153	87	137	69	40	74	1,681
Dry (22%)	215	168	58	96	132	162	58	52	43	80	8	37	1,107
Critical (15%)	181	90	32	64	49	57	31	71	36	75	1	8	696

Alternative 7 (LLT) minus No Action Alternative (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**TOT**
Probability of Exceedance													
10%	365	357	378	553	500	553	536	553	491	150	175	412	4,249
20%	304	280	241	537	500	553	536	506	441	121	121	324	3,850
30%	265	206	97	450	500	553	408	266	345	104	86	263	3,435
40%	245	146	68	291	410	453	247	112	282	84	65	230	2,912
50%	201	132	51	160	339	363	127	91	178	59	34	106	1,942
60%	185	116	42	93	226	226	57	75	39	27	10	55	1,345
70%	161	102	37	53	106	145	34	57	35	18	8	25	1,128
80%	156	86	31	44	55	73	31	36	35	9	0	5	996
90%	72	65	26	37	35	36	28	31	34	0	0	0	699
Long Term													
Full Simulation Period[a]	218	174	121	251	295	323	230	202	218	74	64	169	2,338
Water Year Types[b]													
Wet (32%)	257	217	249	458	485	512	428	393	399	77	117	333	3,928
Above Normal (15%)	185	159	88	339	409	503	350	282	364	61	122	282	3,144
Below Normal (17%)	207	183	67	149	262	254	153	87	137	69	40	74	1,681
Dry (22%)	215	168	58	96	132	162	58	52	43	80	8	37	1,107
Critical (15%)	181	90	32	64	49	57	31	71	36	75	1	8	696

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-11-2-24. Isolated Facility Exports, Monthly Delivery Volume

No Action Alternative (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**TOT**
Probability of Exceedance													
10%	0	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0	0
Long Term													
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]													
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (17%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Dry (22%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0

Alternative 8 (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**TOT**
Probability of Exceedance													
10%	160	298	407	553	500	553	536	553	464	161	0	176	3,907
20%	151	211	244	543	500	553	536	553	368	89	0	111	3,513
30%	137	144	94	475	500	553	536	486	276	46	0	76	3,120
40%	113	90	75	349	453	510	476	386	178	30	0	65	2,682
50%	86	71	48	189	353	437	337	199	64	19	0	55	2,054
60%	68	65	42	106	271	329	243	109	45	0	0	39	1,425
70%	65	55	36	61	160	228	116	78	33	0	0	23	1,213
80%	25	48	30	45	67	112	78	66	31	0	0	0	900
90%	10	20	25	36	37	46	36	57	28	0	0	0	546
Long Term													
Full Simulation Period[a]	102	124	122	264	312	360	315	279	178	55	5	67	2,182
Water Year Types[b]													
Wet (32%)	155	170	247	465	491	522	485	476	364	94	15	104	3,589
Above Normal (15%)	107	146	87	359	423	510	452	403	230	51	1	127	2,897
Below Normal (17%)	77	112	82	177	274	339	333	239	102	52	0	49	1,835
Dry (22%)	77	109	56	108	181	233	146	83	33	40	0	25	1,091
Critical (15%)	50	37	30	70	53	71	41	70	30	2	0	10	462

Alternative 8 (LLT) minus No Action Alternative (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**TOT**
Probability of Exceedance													
10%	160	298	407	553	500	553	536	553	464	161	0	176	3,907
20%	151	211	244	543	500	553	536	553	368	89	0	111	3,513
30%	137	144	94	475	500	553	536	486	276	46	0	76	3,120
40%	113	90	75	349	453	510	476	386	178	30	0	65	2,682
50%	86	71	48	189	353	437	337	199	64	19	0	55	2,054
60%	68	65	42	106	271	329	243	109	45	0	0	39	1,425
70%	65	55	36	61	160	228	116	78	33	0	0	23	1,213
80%	25	48	30	45	67	112	78	66	31	0	0	0	900
90%	10	20	25	36	37	46	36	57	28	0	0	0	546
Long Term													
Full Simulation Period[a]	102	124	122	264	312	360	315	279	178	55	5	67	2,182
Water Year Types[b]													
Wet (32%)	155	170	247	465	491	522	485	476	364	94	15	104	3,589
Above Normal (15%)	107	146	87	359	423	510	452	403	230	51	1	127	2,897
Below Normal (17%)	77	112	82	177	274	339	333	239	102	52	0	49	1,835
Dry (22%)	77	109	56	108	181	233	146	83	33	40	0	25	1,091
Critical (15%)	50	37	30	70	53	71	41	70	30	2	0	10	462

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-11-2-25. Isolated Facility Exports, Monthly Delivery Volume

No Action Alternative (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	0	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0	0
Long Term													
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]													
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (17%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Dry (22%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0

Alternative 9 (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	0	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0	0
Long Term													
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]													
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (17%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Dry (22%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0

Alternative 9 (LLT) minus No Action Alternative (LLT)

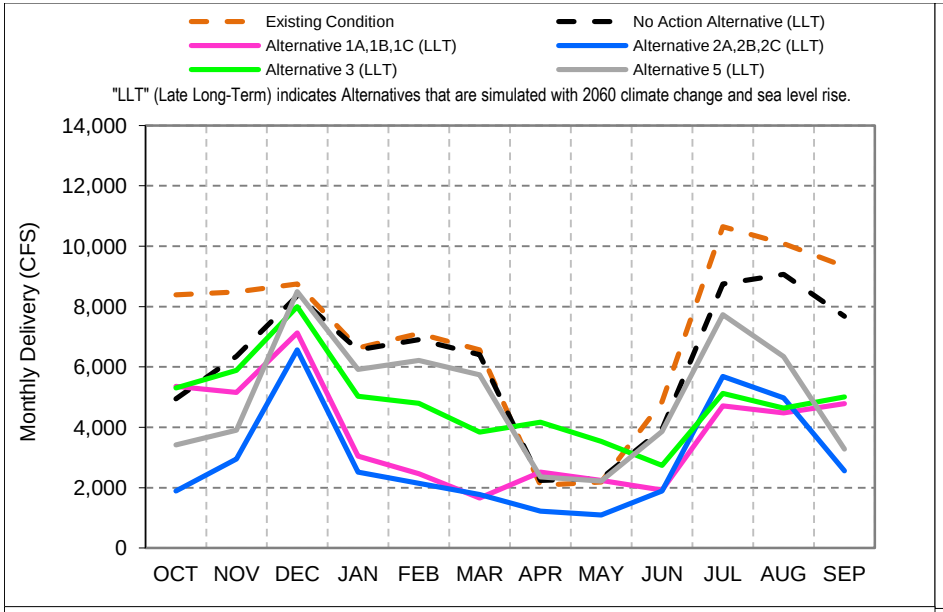
	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	0	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0	0
Long Term													
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]													
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (17%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Dry (22%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0

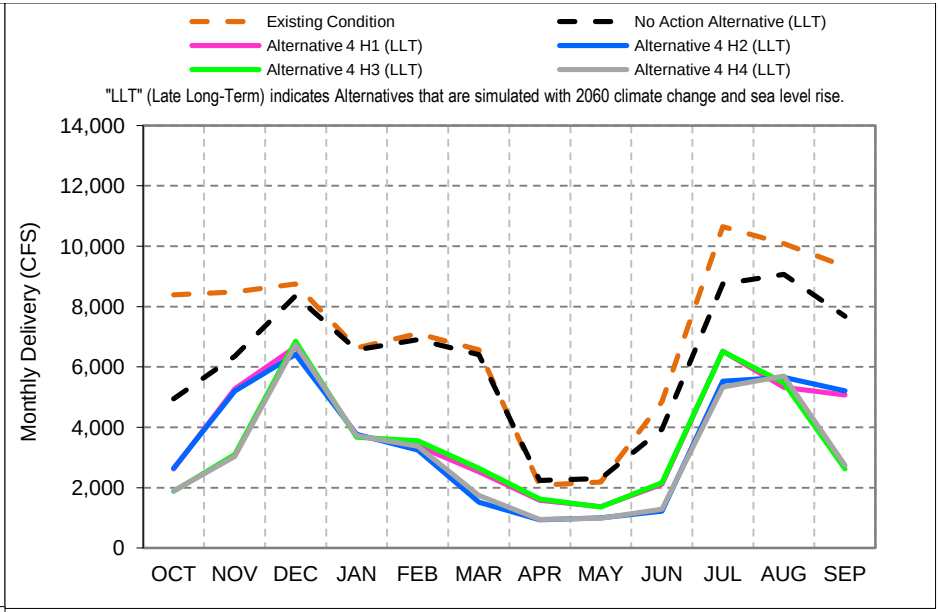
a Based on the 82-year simulation period

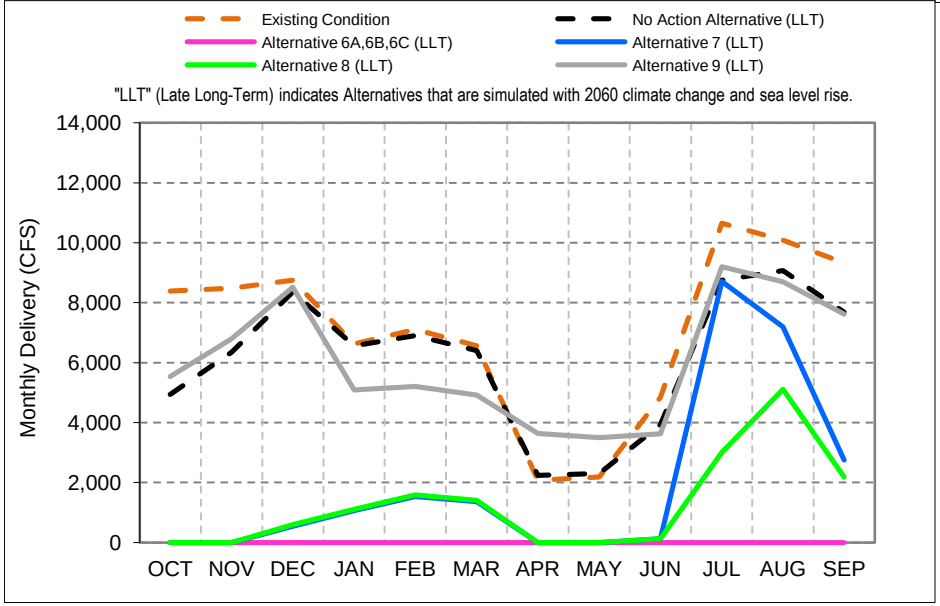
b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

C.12. SWP and CVP South Delta Exports



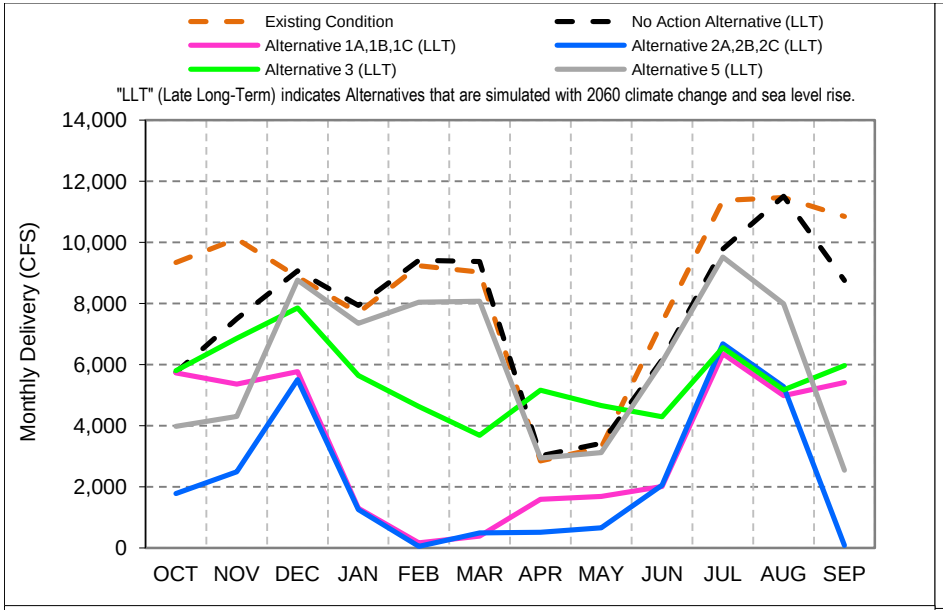


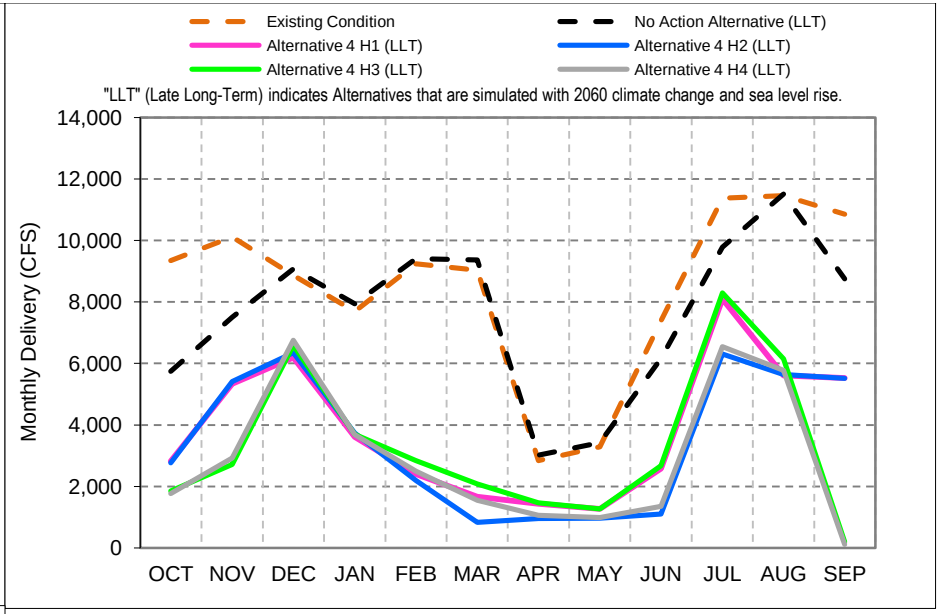


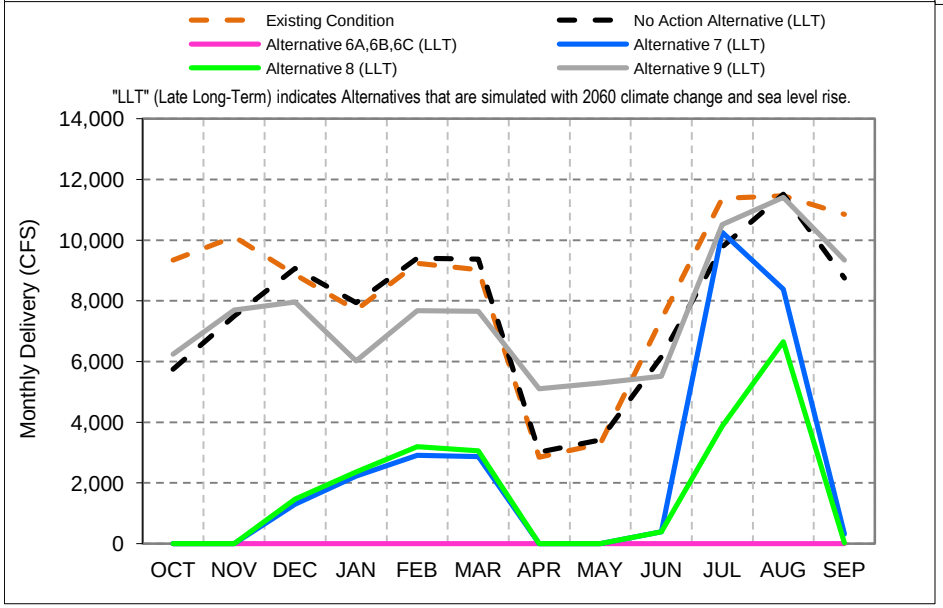
Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-12-1. SWP and CVP South Delta Exports, Long-Term Average Delivery





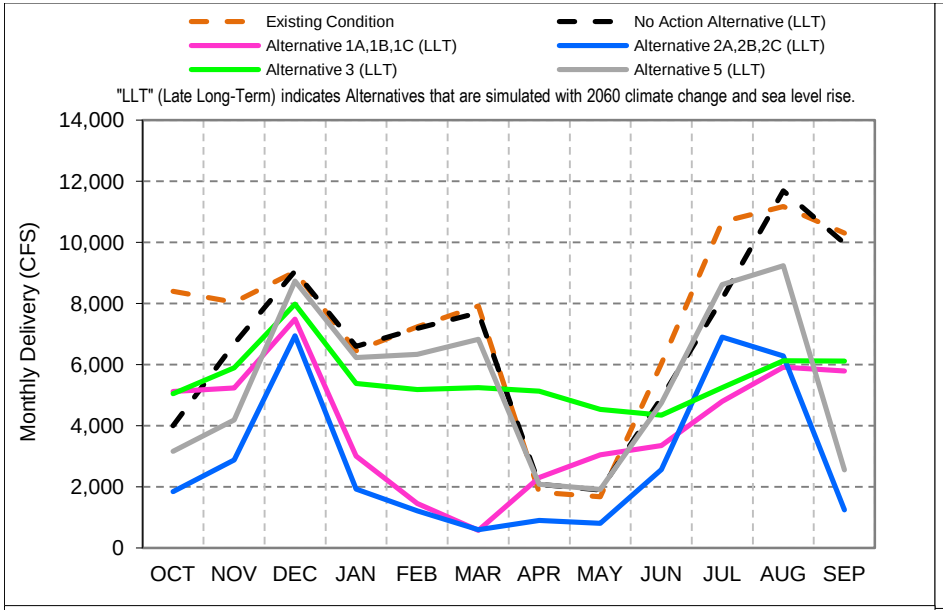


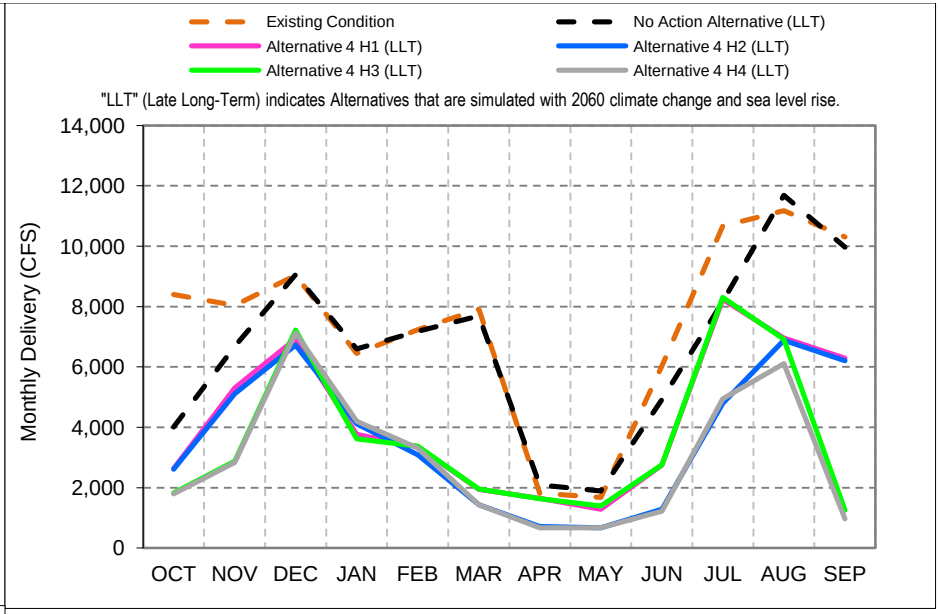
Alternative 4 Scenario Definitions:

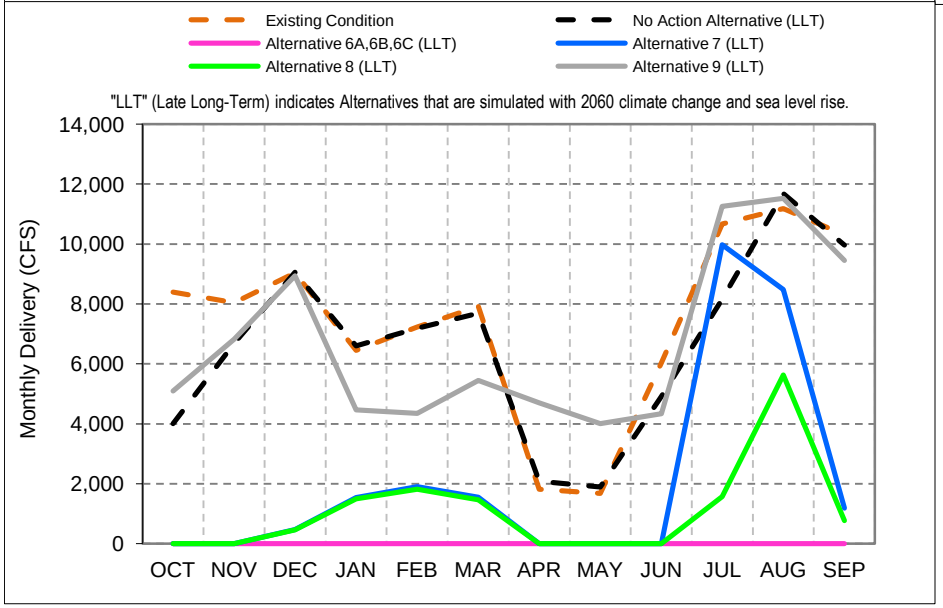
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-12-2. SWP and CVP South Delta Exports, Wet Year* Average Delivery





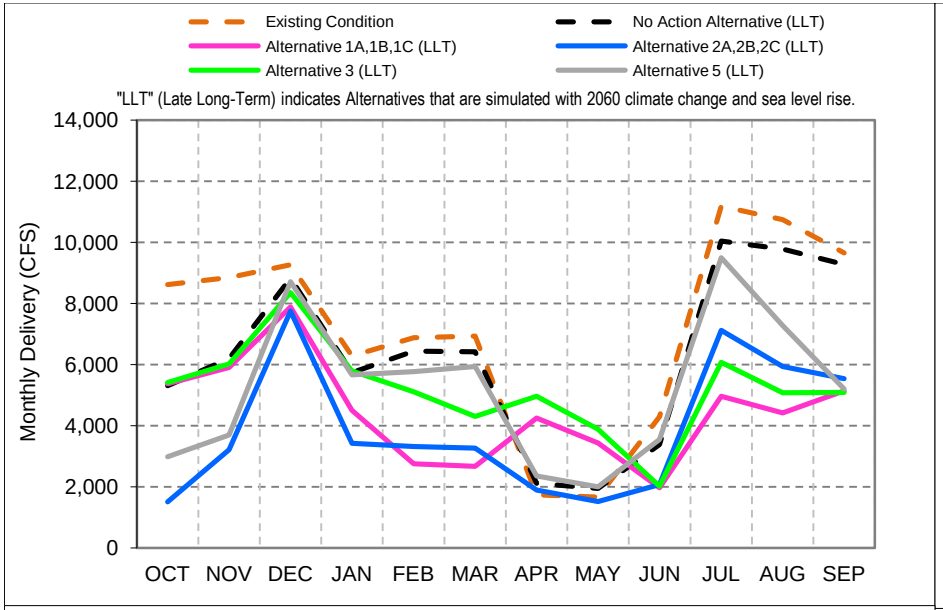


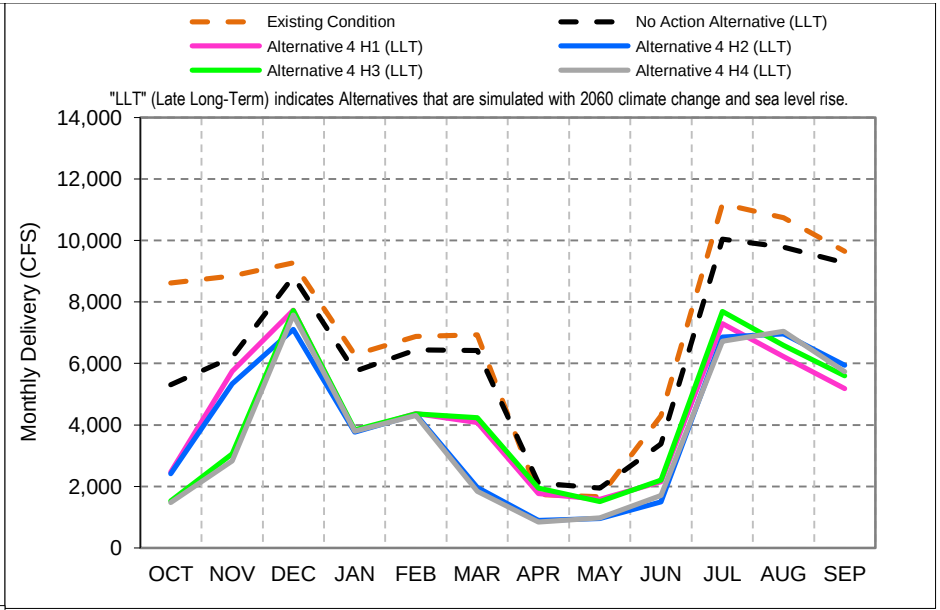
Alternative 4 Scenario Definitions:

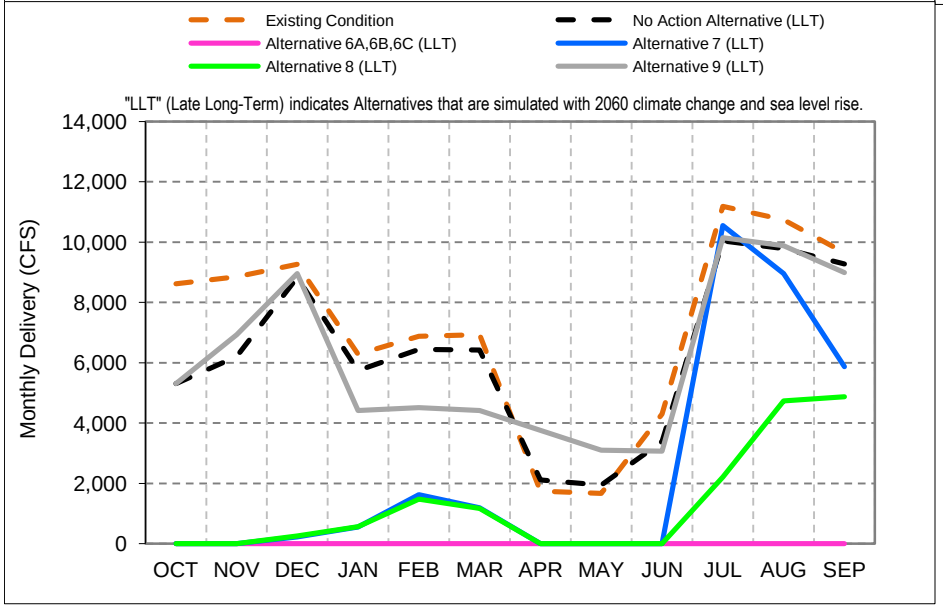
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-12-3. SWP and CVP South Delta Exports, Above Normal Year* Average Delivery





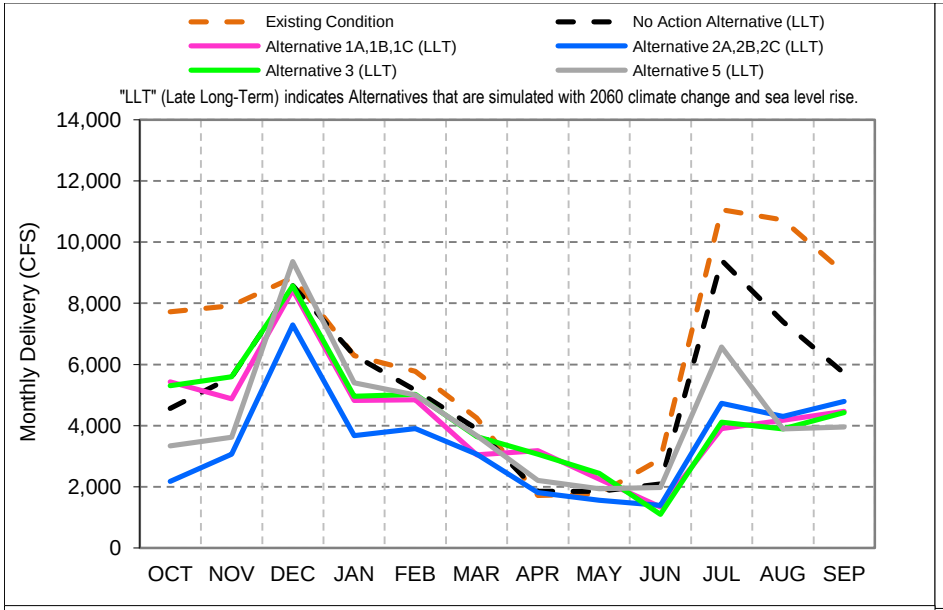


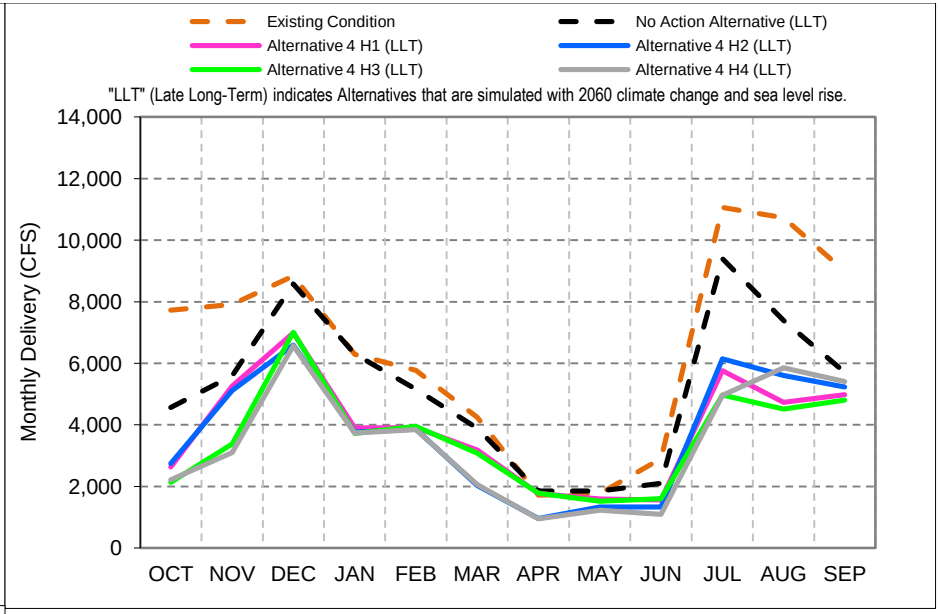
Alternative 4 Scenario Definitions:

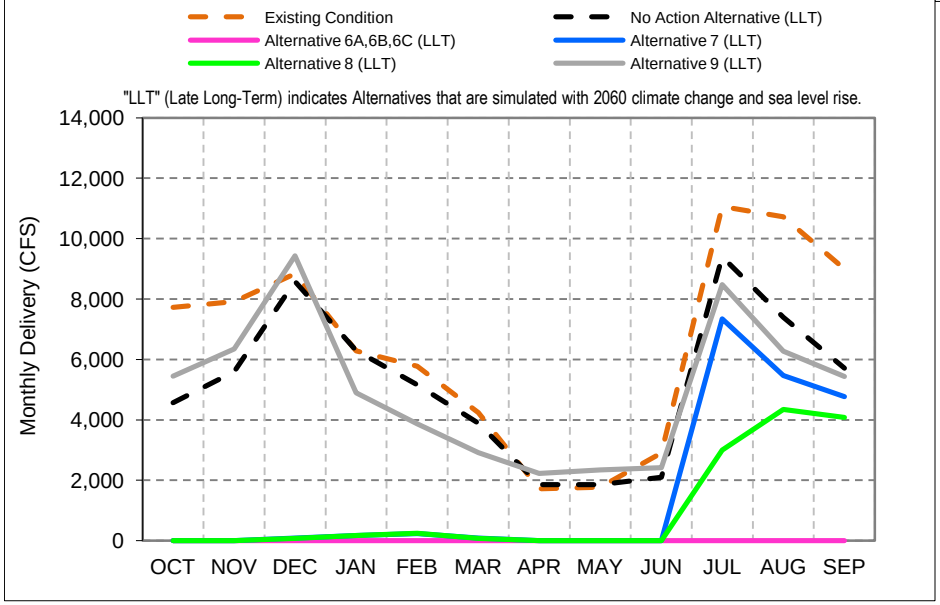
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-12-4. SWP and CVP South Delta Exports, Below Normal Year* Average Delivery





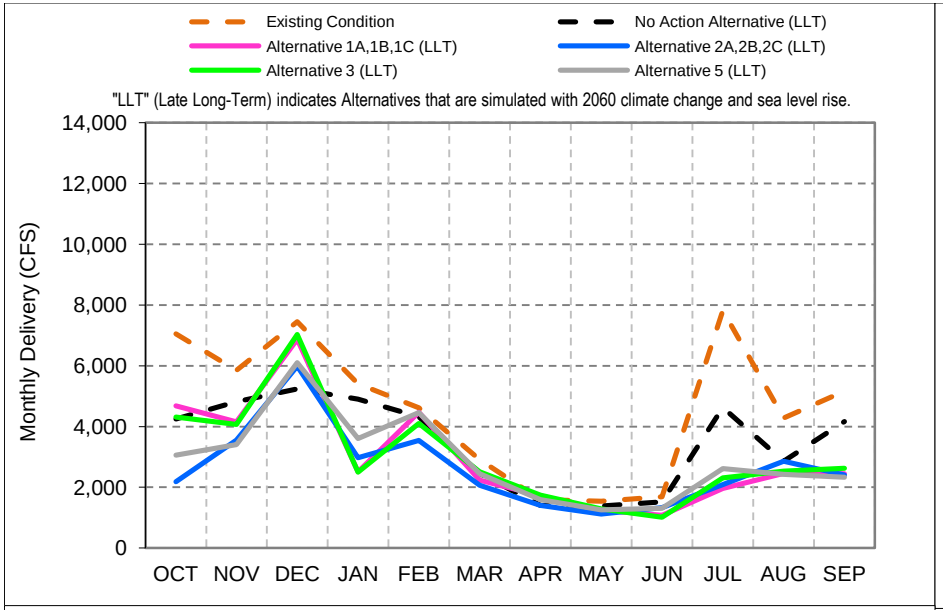


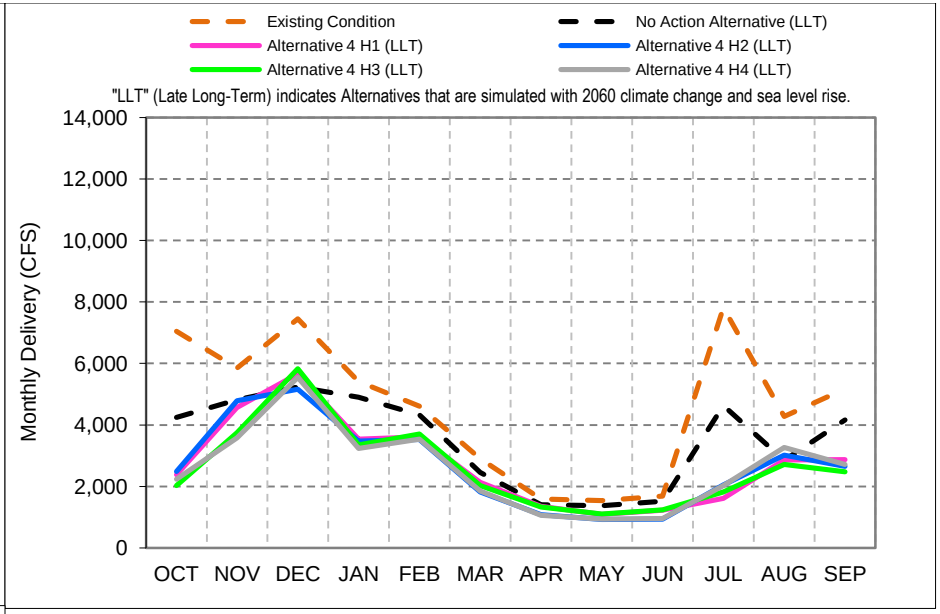
Alternative 4 Scenario Definitions:

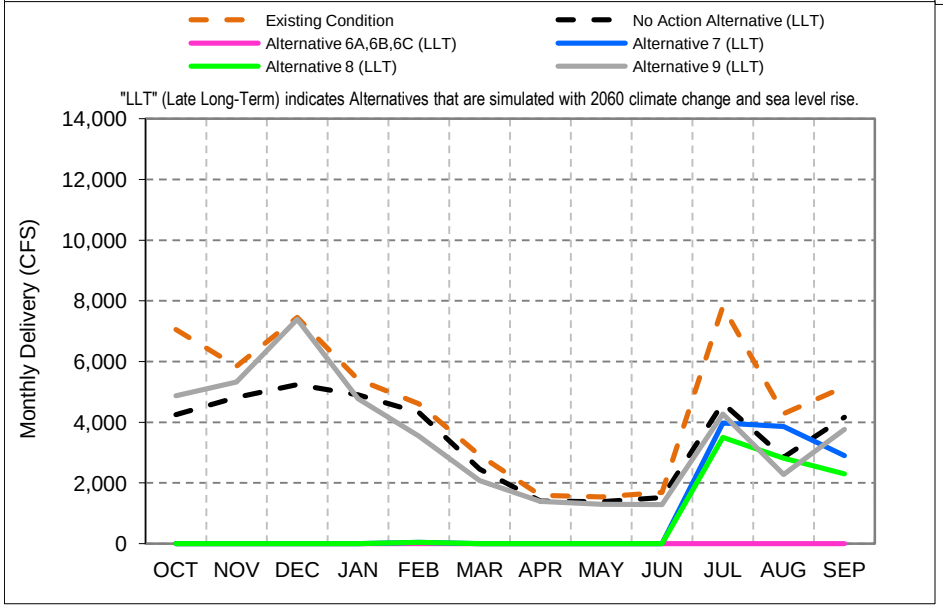
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-12-5. SWP and CVP South Delta Exports, Dry Year* Average Delivery







Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-12-6. SWP and CVP South Delta Exports, Critical Year* Average Delivery

Table C-12-1-1. South Delta Exports, Monthly Delivery Rate

Existing Condition

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	11,044	10,934	11,317	8,932	10,779	9,816	3,240	3,381	9,032	11,595	11,725	11,158	8,711
20%	10,967	10,917	11,235	7,749	9,327	9,134	2,276	2,297	7,236	11,555	11,685	11,137	8,397
30%	10,389	10,903	9,988	6,883	8,257	8,647	2,055	1,847	5,468	11,502	11,669	11,041	8,035
40%	9,581	10,117	9,200	6,799	7,707	7,383	1,842	1,660	5,125	11,426	11,551	10,345	7,633
50%	8,972	9,052	8,500	6,435	6,855	6,604	1,714	1,570	4,469	11,384	11,461	9,891	7,261
60%	7,704	8,374	8,004	6,365	6,598	5,594	1,607	1,500	3,506	11,284	11,350	9,439	6,991
70%	7,180	7,212	7,638	5,905	5,969	4,804	1,500	1,500	3,080	11,076	11,058	9,029	6,612
80%	6,139	6,249	7,096	5,053	4,978	4,513	1,500	1,500	2,787	10,397	8,961	8,218	6,250
90%	4,847	4,660	6,185	4,460	3,823	2,260	1,500	1,500	1,598	8,986	4,363	4,996	4,761
Long Term													
Full Simulation Period[a]	8,389	8,488	8,747	6,627	7,105	6,562	2,076	2,188	4,844	10,650	10,084	9,328	7,091
Water Year Types[b]													
Wet (32%)	9,345	10,117	8,867	7,695	9,241	9,030	2,847	3,294	7,386	11,377	11,461	10,853	8,459
Above Normal (15%)	8,395	8,039	9,033	6,447	7,231	7,913	1,819	1,675	6,033	10,665	11,177	10,304	7,394
Below Normal (17%)	8,618	8,849	9,268	6,281	6,879	6,933	1,736	1,667	4,295	11,188	10,742	9,650	7,175
Dry (22%)	7,721	7,916	8,841	6,286	5,773	4,243	1,718	1,765	2,907	11,061	10,726	8,999	6,496
Critical (15%)	7,049	5,845	7,453	5,411	4,613	2,910	1,595	1,545	1,692	7,815	4,278	5,169	4,615

No Action Alternative (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	6,640	11,279	11,704	9,525	10,456	10,469	3,590	3,369	6,155	11,605	11,780	11,280	7,935
20%	6,219	8,289	10,946	7,731	9,231	9,202	2,461	2,449	5,616	11,432	11,780	11,088	7,388
30%	5,768	7,130	10,444	6,857	8,220	8,178	2,230	1,964	5,085	10,849	11,662	9,418	7,012
40%	5,384	6,351	9,062	6,744	7,266	7,202	2,071	1,785	4,094	10,426	11,437	8,956	6,642
50%	5,016	5,641	8,211	6,505	6,643	6,507	1,830	1,691	3,544	9,731	11,059	7,595	6,364
60%	4,613	5,086	7,882	6,179	6,251	5,250	1,712	1,606	2,995	8,818	9,625	6,546	5,963
70%	4,214	4,861	7,250	5,463	5,506	4,566	1,598	1,500	2,392	8,269	7,933	5,615	5,305
80%	3,660	4,478	6,178	4,910	4,377	3,222	1,500	1,500	1,633	5,853	6,558	4,795	4,937
90%	2,554	3,355	4,138	4,493	3,341	2,150	1,359	1,500	1,480	3,663	3,453	4,337	3,942
Long Term													
Full Simulation Period[a]	4,938	6,348	8,358	6,562	6,901	6,406	2,235	2,303	3,934	8,751	9,071	7,681	6,124
Water Year Types[b]													
Wet (32%)	5,748	7,500	9,069	7,939	9,410	9,369	3,016	3,421	6,160	9,779	11,509	8,754	7,639
Above Normal (15%)	4,005	6,686	9,060	6,598	7,184	7,693	2,086	1,894	4,916	8,162	11,688	9,970	6,662
Below Normal (17%)	5,311	6,203	8,827	5,741	6,444	6,421	2,114	1,947	3,386	10,041	9,783	9,276	6,291
Dry (22%)	4,564	5,590	8,578	6,297	5,162	3,890	1,853	1,855	2,098	9,401	7,398	5,709	5,200
Critical (15%)	4,245	4,819	5,237	4,900	4,326	2,454	1,407	1,378	1,522	4,630	2,852	4,162	3,494

No Action Alternative (LLT) minus Existing Condition

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	-4,404	344	387	593	-323	653	350	-12	-2,877	10	55	122	-776
20%	-4,749	-2,627	-288	-18	-97	68	185	152	-1,620	-123	95	-48	-1,009
30%	-4,621	-3,774	456	-27	-37	-469	175	117	-383	-653	-6	-1,623	-1,023
40%	-4,198	-3,767	-138	-54	-442	-181	229	125	-1,030	-1,000	-114	-1,389	-991
50%	-3,956	-3,411	-289	70	-211	-97	116	121	-925	-1,654	-401	-2,297	-896
60%	-3,091	-3,288	-122	-186	-347	-344	104	106	-511	-2,466	-1,724	-2,893	-1,028
70%	-2,966	-2,351	-388	-441	-463	-239	98	0	-688	-2,807	-3,125	-3,414	-1,307
80%	-2,479	-1,771	-918	-142	-601	-1,291	0	0	-1,153	-4,544	-2,403	-3,422	-1,313
90%	-2,294	-1,304	-2,046	33	-482	-110	-141	0	-118	-5,324	-909	-659	-819
Long Term													
Full Simulation Period[a]	-3,451	-2,140	-389	-65	-204	-156	159	115	-910	-1,899	-1,013	-1,648	-967
Water Year Types[b]													
Wet (32%)	-3,597	-2,616	203	245	169	338	169	127	-1,227	-1,598	48	-2,098	-820
Above Normal (15%)	-4,390	-1,353	27	150	-48	-219	267	218	-1,116	-2,503	510	-335	-733
Below Normal (17%)	-3,307	-2,645	-441	-541	-435	-512	378	280	-908	-1,146	-959	-374	-884
Dry (22%)	-3,157	-2,326	-263	11	-610	-353	135	90	-809	-1,660	-3,329	-3,290	-1,297
Critical (15%)	-2,804	-1,026	-2,216	-511	-287	-456	-188	-167	-170	-3,184	-1,426	-1,007	-1,120

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-12-1-2. South Delta Exports, Monthly Delivery Rate

Existing Condition

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	11,044	10,934	11,317	8,932	10,779	9,816	3,240	3,381	9,032	11,595	11,725	11,158	8,711
20%	10,967	10,917	11,235	7,749	9,327	9,134	2,276	2,297	7,236	11,555	11,685	11,137	8,397
30%	10,389	10,903	9,988	6,883	8,257	8,647	2,055	1,847	5,468	11,502	11,669	11,041	8,035
40%	9,581	10,117	9,200	6,799	7,707	7,383	1,842	1,660	5,125	11,426	11,551	10,345	7,633
50%	8,972	9,052	8,500	6,435	6,855	6,604	1,714	1,570	4,469	11,384	11,461	9,891	7,261
60%	7,704	8,374	8,004	6,365	6,598	5,594	1,607	1,500	3,506	11,284	11,350	9,439	6,991
70%	7,180	7,212	7,638	5,905	5,969	4,804	1,500	1,500	3,080	11,076	11,058	9,029	6,612
80%	6,139	6,249	7,096	5,053	4,978	4,513	1,500	1,500	2,787	10,397	8,961	8,218	6,250
90%	4,847	4,660	6,185	4,460	3,823	2,260	1,500	1,500	1,598	8,986	4,363	4,996	4,761
Long Term													
Full Simulation Period[a]	8,389	8,488	8,747	6,627	7,105	6,562	2,076	2,188	4,844	10,650	10,084	9,328	7,091
Water Year Types[b]													
Wet (32%)	9,345	10,117	8,867	7,695	9,241	9,030	2,847	3,294	7,386	11,377	11,461	10,853	8,459
Above Normal (15%)	8,395	8,039	9,033	6,447	7,231	7,913	1,819	1,675	6,033	10,665	11,177	10,304	7,394
Below Normal (17%)	8,618	8,849	9,268	6,281	6,879	6,933	1,736	1,667	4,295	11,188	10,742	9,650	7,175
Dry (22%)	7,721	7,916	8,841	6,286	5,773	4,243	1,718	1,765	2,907	11,061	10,726	8,999	6,496
Critical (15%)	7,049	5,845	7,453	5,411	4,613	2,910	1,595	1,545	1,692	7,815	4,278	5,169	4,615

Alternative 1A,1B,1C (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	7,224	7,012	11,510	6,768	6,500	4,480	4,994	4,876	3,593	9,607	7,156	6,408	4,750
20%	6,892	6,292	10,857	6,123	5,127	3,505	4,581	4,105	3,344	7,159	5,768	6,033	4,430
30%	6,595	5,922	9,120	4,682	4,154	2,867	4,079	2,881	2,710	6,396	4,759	5,661	4,203
40%	6,365	5,584	8,108	4,263	3,367	2,025	3,273	2,364	1,752	4,781	4,304	5,497	3,983
50%	6,023	5,253	7,367	2,514	1,891	815	2,444	1,926	1,668	4,011	4,005	5,134	3,776
60%	5,141	4,870	6,804	1,567	0	0	2,041	1,681	1,396	3,327	3,562	4,771	3,680
70%	4,338	4,755	5,484	1,134	0	0	1,154	1,106	1,100	2,443	3,234	4,502	3,407
80%	3,653	4,192	4,121	0	0	0	0	490	708	1,624	2,981	3,805	2,964
90%	2,671	2,798	1,780	0	0	0	0	0	233	885	2,251	2,074	2,597
Long Term													
Full Simulation Period[a]	5,360	5,153	7,127	3,047	2,458	1,659	2,520	2,242	1,917	4,707	4,477	4,781	3,787
Water Year Types[b]													
Wet (32%)	5,726	5,359	5,767	1,299	172	386	1,596	1,685	2,015	6,357	4,986	5,417	3,397
Above Normal (15%)	5,116	5,238	7,487	3,006	1,460	574	2,308	3,047	3,353	4,792	5,912	5,794	4,007
Below Normal (17%)	5,378	5,904	7,887	4,504	2,759	2,675	4,254	3,431	1,966	4,962	4,415	5,145	4,440
Dry (22%)	5,434	4,876	8,430	4,826	4,846	3,049	3,177	2,250	1,337	3,899	4,177	4,464	4,230
Critical (15%)	4,676	4,157	6,875	2,508	4,474	2,231	1,722	1,243	1,080	1,963	2,458	2,444	2,986

Alternative 1A,1B,1C (LLT) minus Existing Condition

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	-3,820	-3,922	193	-2,164	-4,279	-5,336	1,754	1,494	-5,439	-1,988	-4,569	-4,751	-3,961
20%	-4,075	-4,625	-377	-1,626	-4,201	-5,629	2,306	1,808	-3,892	-4,396	-5,917	-5,103	-3,968
30%	-3,794	-4,982	-869	-2,201	-4,103	-5,780	2,025	1,034	-2,758	-5,105	-6,910	-5,380	-3,832
40%	-3,217	-4,533	-1,092	-2,536	-4,341	-5,358	1,431	704	-3,373	-6,644	-7,247	-4,847	-3,651
50%	-2,949	-3,799	-1,133	-3,921	-4,963	-5,789	730	356	-2,801	-7,374	-7,456	-4,757	-3,484
60%	-2,563	-3,504	-1,200	-4,799	-6,598	-5,594	434	181	-2,110	-7,957	-7,788	-4,668	-3,312
70%	-2,842	-2,456	-2,154	-4,771	-5,969	-4,804	-346	-394	-1,980	-8,633	-7,824	-4,528	-3,206
80%	-2,486	-2,058	-2,975	-5,053	-4,978	-4,513	-1,500	-1,010	-2,079	-8,774	-5,980	-4,413	-3,285
90%	-2,176	-1,861	-4,404	-4,460	-3,823	-2,260	-1,500	-1,500	-1,365	-8,101	-2,112	-2,923	-2,164
Long Term													
Full Simulation Period[a]	-3,030	-3,335	-1,620	-3,580	-4,647	-4,903	444	54	-2,927	-5,943	-5,607	-4,547	-3,303
Water Year Types[b]													
Wet (32%)	-3,619	-4,758	-3,100	-6,396	-9,069	-8,644	-1,250	-1,610	-5,372	-5,019	-6,475	-5,436	-5,062
Above Normal (15%)	-3,278	-2,801	-1,546	-3,442	-5,771	-7,339	489	1,372	-2,680	-5,873	-5,265	-4,510	-3,387
Below Normal (17%)	-3,240	-2,944	-1,381	-1,777	-4,121	-4,258	2,517	1,764	-2,328	-6,226	-6,327	-4,505	-2,735
Dry (22%)	-2,287	-3,039	-411	-1,460	-927	-1,195	1,460	485	-1,570	-7,162	-6,549	-4,535	-2,266
Critical (15%)	-2,373	-1,688	-579	-2,903	-139	-679	128	-303	-612	-5,852	-1,820	-2,725	-1,629

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-12-1-3. South Delta Exports, Monthly Delivery Rate

Existing Condition

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	11,044	10,934	11,317	8,932	10,779	9,816	3,240	3,381	9,032	11,595	11,725	11,158	8,711
20%	10,967	10,917	11,235	7,749	9,327	9,134	2,276	2,297	7,236	11,555	11,685	11,137	8,397
30%	10,389	10,903	9,988	6,883	8,257	8,647	2,055	1,847	5,468	11,502	11,669	11,041	8,035
40%	9,581	10,117	9,200	6,799	7,707	7,383	1,842	1,660	5,125	11,426	11,551	10,345	7,633
50%	8,972	9,052	8,500	6,435	6,855	6,604	1,714	1,570	4,469	11,384	11,461	9,891	7,261
60%	7,704	8,374	8,004	6,365	6,598	5,594	1,607	1,500	3,506	11,284	11,350	9,439	6,991
70%	7,180	7,212	7,638	5,905	5,969	4,804	1,500	1,500	3,080	11,076	11,058	9,029	6,612
80%	6,139	6,249	7,096	5,053	4,978	4,513	1,500	1,500	2,787	10,397	8,961	8,218	6,250
90%	4,847	4,660	6,185	4,460	3,823	2,260	1,500	1,500	1,598	8,986	4,363	4,996	4,761
Long Term													
Full Simulation Period[a]	8,389	8,488	8,747	6,627	7,105	6,562	2,076	2,188	4,844	10,650	10,084	9,328	7,091
Water Year Types[b]													
Wet (32%)	9,345	10,117	8,867	7,695	9,241	9,030	2,847	3,294	7,386	11,377	11,461	10,853	8,459
Above Normal (15%)	8,395	8,039	9,033	6,447	7,231	7,913	1,819	1,675	6,033	10,665	11,177	10,304	7,394
Below Normal (17%)	8,618	8,849	9,268	6,281	6,879	6,933	1,736	1,667	4,295	11,188	10,742	9,650	7,175
Dry (22%)	7,721	7,916	8,841	6,286	5,773	4,243	1,718	1,765	2,907	11,061	10,726	8,999	6,496
Critical (15%)	7,049	5,845	7,453	5,411	4,613	2,910	1,595	1,545	1,692	7,815	4,278	5,169	4,615

Alternative 2A,2B,2C (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	2,803	5,964	9,624	5,387	5,054	4,247	2,533	1,745	3,503	10,048	8,217	5,747	4,009
20%	2,753	5,517	9,365	4,608	4,834	3,728	1,925	1,569	3,351	8,655	6,491	5,179	3,555
30%	2,722	4,951	7,818	4,182	3,812	2,969	1,617	1,406	2,157	7,369	5,560	4,776	3,373
40%	2,667	4,768	7,063	3,274	2,831	1,890	1,479	1,312	1,723	6,403	5,034	4,263	3,104
50%	2,565	4,328	6,846	1,578	1,566	1,567	1,300	1,196	1,674	5,345	4,524	1,795	2,921
60%	2,075	189	6,277	1,566	0	649	1,156	1,047	1,611	4,627	3,988	356	2,741
70%	1,247	0	5,827	1,453	0	0	903	934	1,344	3,547	3,739	0	2,441
80%	579	0	5,034	38	0	0	0	501	1,063	2,419	3,200	0	2,052
90%	0	0	3,013	0	0	0	0	0	348	1,214	2,511	0	1,852
Long Term													
Full Simulation Period[a]	1,891	2,953	6,562	2,510	2,139	1,775	1,220	1,095	1,884	5,687	4,969	2,560	2,937
Water Year Types[b]													
Wet (32%)	1,787	2,491	5,504	1,263	56	489	512	661	2,058	6,681	5,283	87	2,239
Above Normal (15%)	1,841	2,880	6,948	1,927	1,217	598	898	813	2,570	6,900	6,280	1,252	2,844
Below Normal (17%)	1,507	3,216	7,748	3,429	3,322	3,270	1,892	1,521	2,075	7,117	5,939	5,537	3,881
Dry (22%)	2,180	3,062	7,298	3,675	3,908	3,062	1,814	1,562	1,396	4,734	4,296	4,793	3,482
Critical (15%)	2,179	3,556	5,985	2,974	3,545	2,062	1,401	1,120	1,333	2,084	2,857	2,403	2,625

Alternative 2A,2B,2C (LLT) minus Existing Condition

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	-8,240	-4,970	-1,693	-3,545	-5,725	-5,570	-706	-1,636	-5,529	-1,547	-3,508	-5,411	-4,702
20%	-8,214	-5,399	-1,869	-3,141	-4,493	-5,406	-351	-728	-3,885	-2,900	-5,194	-5,957	-4,842
30%	-7,668	-5,952	-2,171	-2,701	-4,444	-5,678	-438	-441	-3,311	-4,133	-6,109	-6,265	-4,662
40%	-6,915	-5,349	-2,137	-3,524	-4,876	-5,492	-363	-348	-3,402	-5,022	-6,517	-6,082	-4,529
50%	-6,407	-4,724	-1,654	-4,857	-5,289	-5,037	-414	-373	-2,795	-6,039	-6,937	-8,096	-4,339
60%	-5,629	-8,185	-1,727	-4,800	-6,598	-4,944	-451	-453	-1,895	-6,657	-7,362	-9,083	-4,251
70%	-5,933	-7,212	-1,812	-4,452	-5,969	-4,804	-597	-566	-1,736	-7,528	-7,319	-9,029	-4,171
80%	-5,560	-6,249	-2,062	-5,015	-4,978	-4,513	-1,500	-999	-1,723	-7,978	-5,760	-8,218	-4,197
90%	-4,847	-4,660	-3,171	-4,460	-3,823	-2,260	-1,500	-1,500	-1,250	-7,772	-1,852	-4,996	-2,909
Long Term													
Full Simulation Period[a]	-6,498	-5,535	-2,185	-4,118	-4,966	-4,787	-856	-1,093	-2,959	-4,963	-5,115	-6,768	-4,154
Water Year Types[b]													
Wet (32%)	-7,558	-7,626	-3,363	-6,432	-9,185	-8,541	-2,335	-2,634	-5,329	-4,696	-6,178	-10,765	-6,220
Above Normal (15%)	-6,554	-5,159	-2,085	-4,521	-6,015	-7,314	-921	-863	-3,462	-3,765	-4,897	-9,052	-4,551
Below Normal (17%)	-7,111	-5,633	-1,520	-2,853	-3,558	-3,663	155	-146	-2,219	-4,071	-4,802	-4,113	-3,294
Dry (22%)	-5,541	-4,853	-1,543	-2,612	-1,865	-1,182	97	-203	-1,511	-6,327	-6,430	-4,206	-3,015
Critical (15%)	-4,870	-2,290	-1,468	-2,437	-1,067	-848	-194	-425	-359	-5,731	-1,421	-2,767	-1,990

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-12-1-4. South Delta Exports, Monthly Delivery Rate

Existing Condition

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	11,044	10,934	11,317	8,932	10,779	9,816	3,240	3,381	9,032	11,595	11,725	11,158	8,711
20%	10,967	10,917	11,235	7,749	9,327	9,134	2,276	2,297	7,236	11,555	11,685	11,137	8,397
30%	10,389	10,903	9,988	6,883	8,257	8,647	2,055	1,847	5,468	11,502	11,669	11,041	8,035
40%	9,581	10,117	9,200	6,799	7,707	7,383	1,842	1,660	5,125	11,426	11,551	10,345	7,633
50%	8,972	9,052	8,500	6,435	6,855	6,604	1,714	1,570	4,469	11,384	11,461	9,891	7,261
60%	7,704	8,374	8,004	6,365	6,598	5,594	1,607	1,500	3,506	11,284	11,350	9,439	6,991
70%	7,180	7,212	7,638	5,905	5,969	4,804	1,500	1,500	3,080	11,076	11,058	9,029	6,612
80%	6,139	6,249	7,096	5,053	4,978	4,513	1,500	1,500	2,787	10,397	8,961	8,218	6,250
90%	4,847	4,660	6,185	4,460	3,823	2,260	1,500	1,500	1,598	8,986	4,363	4,996	4,761
Long Term													
Full Simulation Period[a]	8,389	8,488	8,747	6,627	7,105	6,562	2,076	2,188	4,844	10,650	10,084	9,328	7,091
Water Year Types[b]													
Wet (32%)	9,345	10,117	8,867	7,695	9,241	9,030	2,847	3,294	7,386	11,377	11,461	10,853	8,459
Above Normal (15%)	8,395	8,039	9,033	6,447	7,231	7,913	1,819	1,675	6,033	10,665	11,177	10,304	7,394
Below Normal (17%)	8,618	8,849	9,268	6,281	6,879	6,933	1,736	1,667	4,295	11,188	10,742	9,650	7,175
Dry (22%)	7,721	7,916	8,841	6,286	5,773	4,243	1,718	1,765	2,907	11,061	10,726	8,999	6,496
Critical (15%)	7,049	5,845	7,453	5,411	4,613	2,910	1,595	1,545	1,692	7,815	4,278	5,169	4,615

Alternative 3 (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	7,277	8,516	11,140	7,183	8,064	5,648	6,121	6,121	6,074	10,780	7,670	6,700	6,246
20%	6,909	6,995	10,807	6,945	6,772	5,183	5,757	5,244	3,973	8,457	6,141	5,963	5,821
30%	6,529	6,379	9,625	6,553	6,598	4,603	5,522	4,750	3,450	7,141	4,968	5,644	5,505
40%	6,108	5,947	8,569	6,122	5,718	4,438	4,747	4,452	3,161	5,568	4,378	5,321	5,233
50%	5,699	5,613	8,105	5,075	5,147	3,889	4,264	3,513	2,305	4,730	4,042	5,028	4,973
60%	5,175	5,345	7,443	4,676	3,959	3,446	3,927	2,572	1,405	3,378	3,601	4,795	4,511
70%	4,454	5,092	6,979	4,123	3,400	3,134	3,091	2,199	1,274	2,670	3,261	4,569	4,293
80%	3,443	4,740	5,833	2,969	2,845	2,454	2,466	1,773	898	1,523	2,868	4,057	3,892
90%	2,685	3,845	3,908	1,922	1,181	1,347	1,899	1,203	473	820	2,171	3,113	3,196
Long Term													
Full Simulation Period[a]	5,301	5,888	7,995	5,022	4,799	3,839	4,164	3,530	2,734	5,125	4,630	5,009	4,836
Water Year Types[b]													
Wet (32%)	5,807	6,857	7,850	5,645	4,626	3,682	5,166	4,663	4,290	6,558	5,179	5,964	5,524
Above Normal (15%)	5,050	5,898	7,979	5,386	5,186	5,251	5,129	4,537	4,347	5,249	6,122	6,115	5,521
Below Normal (17%)	5,414	6,024	8,358	5,789	5,110	4,308	4,963	3,888	2,027	6,077	5,082	5,086	5,177
Dry (22%)	5,306	5,593	8,573	4,965	5,018	3,644	3,070	2,439	1,105	4,109	3,890	4,424	4,345
Critical (15%)	4,313	4,064	7,033	2,500	4,099	2,510	1,736	1,285	1,018	2,310	2,530	2,622	3,002

Alternative 3 (LLT) minus Existing Condition

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	-3,767	-2,419	-176	-1,749	-2,715	-4,169	2,881	2,740	-2,958	-815	-4,056	-4,458	-2,465
20%	-4,058	-3,921	-427	-804	-2,555	-3,951	3,481	2,947	-3,263	-3,098	-5,544	-5,174	-2,576
30%	-3,861	-4,524	-364	-330	-1,659	-4,044	3,467	2,903	-2,018	-4,361	-6,700	-5,398	-2,530
40%	-3,473	-4,170	-630	-677	-1,989	-2,945	2,905	2,792	-1,963	-5,858	-7,173	-5,024	-2,401
50%	-3,272	-3,439	-395	-1,360	-1,708	-2,715	2,550	1,943	-2,164	-6,654	-7,419	-4,863	-2,288
60%	-2,529	-3,029	-561	-1,689	-2,639	-2,147	2,319	1,072	-2,101	-7,906	-7,749	-4,644	-2,481
70%	-2,726	-2,119	-659	-1,781	-2,569	-1,670	1,591	699	-1,805	-8,405	-7,797	-4,460	-2,320
80%	-2,695	-1,509	-1,264	-2,084	-2,134	-2,059	966	273	-1,888	-8,874	-6,093	-4,160	-2,358
90%	-2,162	-815	-2,277	-2,538	-2,642	-912	399	-297	-1,125	-8,166	-2,191	-1,883	-1,565
Long Term													
Full Simulation Period[a]	-3,089	-2,600	-752	-1,605	-2,306	-2,724	2,088	1,342	-2,110	-5,525	-5,454	-4,319	-2,254
Water Year Types[b]													
Wet (32%)	-3,538	-3,260	-1,016	-2,049	-4,614	-5,348	2,320	1,369	-3,096	-4,819	-6,282	-4,888	-2,935
Above Normal (15%)	-3,345	-2,141	-1,054	-1,061	-2,046	-2,661	3,310	2,862	-1,686	-5,416	-5,055	-4,189	-1,874
Below Normal (17%)	-3,204	-2,824	-910	-492	-1,770	-2,625	3,226	2,222	-2,268	-5,111	-5,660	-4,564	-1,998
Dry (22%)	-2,414	-2,323	-268	-1,321	-755	-599	1,352	674	-1,802	-6,952	-6,836	-4,575	-2,152
Critical (15%)	-2,736	-1,782	-420	-2,912	-514	-400	142	-260	-674	-5,505	-1,747	-2,547	-1,613

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-12-1-5. South Delta Exports, Monthly Delivery Rate

Existing Condition

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	11,044	10,934	11,317	8,932	10,779	9,816	3,240	3,381	9,032	11,595	11,725	11,158	8,711
20%	10,967	10,917	11,235	7,749	9,327	9,134	2,276	2,297	7,236	11,555	11,685	11,137	8,397
30%	10,389	10,903	9,988	6,883	8,257	8,647	2,055	1,847	5,468	11,502	11,669	11,041	8,035
40%	9,581	10,117	9,200	6,799	7,707	7,383	1,842	1,660	5,125	11,426	11,551	10,345	7,633
50%	8,972	9,052	8,500	6,435	6,855	6,604	1,714	1,570	4,469	11,384	11,461	9,891	7,261
60%	7,704	8,374	8,004	6,365	6,598	5,594	1,607	1,500	3,506	11,284	11,350	9,439	6,991
70%	7,180	7,212	7,638	5,905	5,969	4,804	1,500	1,500	3,080	11,076	11,058	9,029	6,612
80%	6,139	6,249	7,096	5,053	4,978	4,513	1,500	1,500	2,787	10,397	8,961	8,218	6,250
90%	4,847	4,660	6,185	4,460	3,823	2,260	1,500	1,500	1,598	8,986	4,363	4,996	4,761
Long Term													
Full Simulation Period[a]	8,389	8,488	8,747	6,627	7,105	6,562	2,076	2,188	4,844	10,650	10,084	9,328	7,091
Water Year Types[b]													
Wet (32%)	9,345	10,117	8,867	7,695	9,241	9,030	2,847	3,294	7,386	11,377	11,461	10,853	8,459
Above Normal (15%)	8,395	8,039	9,033	6,447	7,231	7,913	1,819	1,675	6,033	10,665	11,177	10,304	7,394
Below Normal (17%)	8,618	8,849	9,268	6,281	6,879	6,933	1,736	1,667	4,295	11,188	10,742	9,650	7,175
Dry (22%)	7,721	7,916	8,841	6,286	5,773	4,243	1,718	1,765	2,907	11,061	10,726	8,999	6,496
Critical (15%)	7,049	5,845	7,453	5,411	4,613	2,910	1,595	1,545	1,692	7,815	4,278	5,169	4,615

Alternative 4 H1 (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	2,892	6,317	9,509	5,899	5,538	4,512	2,755	2,125	3,517	12,186	8,917	6,858	4,860
20%	2,847	6,233	8,687	5,523	5,195	4,107	2,054	1,649	3,301	10,288	7,091	6,073	4,468
30%	2,823	6,100	7,813	5,063	4,958	3,724	1,728	1,540	3,064	9,702	6,012	5,730	4,189
40%	2,787	5,917	7,165	4,506	4,452	2,960	1,594	1,436	2,135	7,718	5,111	5,552	3,997
50%	2,753	5,618	6,902	4,319	3,549	2,247	1,496	1,353	1,674	6,269	4,464	5,346	3,854
60%	2,723	5,247	6,355	3,340	2,749	1,672	1,376	1,252	1,661	4,814	4,009	5,024	3,705
70%	2,656	4,839	6,080	2,204	1,990	1,568	1,218	1,074	1,437	3,407	3,727	4,607	3,509
80%	2,565	4,644	5,428	1,566	1,482	981	1,103	957	1,218	2,079	3,358	4,209	3,344
90%	2,219	3,789	3,901	1,460	595	598	924	746	1,031	1,288	2,820	2,822	2,744
Long Term													
Full Simulation Period[a]	2,625	5,274	6,662	3,719	3,387	2,522	1,585	1,370	2,112	6,520	5,319	5,071	3,847
Water Year Types[b]													
Wet (32%)	2,820	5,336	6,195	3,615	2,406	1,669	1,437	1,266	2,584	8,096	5,613	5,528	3,880
Above Normal (15%)	2,627	5,306	6,930	3,767	3,352	1,947	1,650	1,290	2,750	8,245	6,961	6,293	4,260
Below Normal (17%)	2,470	5,745	7,732	3,788	4,370	4,082	1,770	1,579	2,151	7,292	6,220	5,179	4,365
Dry (22%)	2,627	5,264	6,990	3,904	3,908	3,184	1,768	1,590	1,562	5,764	4,736	4,978	3,856
Critical (15%)	2,381	4,573	5,662	3,537	3,617	2,133	1,354	1,098	1,233	1,615	2,865	2,875	2,745

Alternative 4 H1 (LLT) minus Existing Condition

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	-8,152	-4,617	-1,808	-3,033	-5,241	-5,304	-485	-1,257	-5,515	591	-2,808	-4,300	-3,851
20%	-8,120	-4,684	-2,548	-2,225	-4,133	-5,027	-222	-648	-3,935	-1,266	-4,594	-5,064	-3,930
30%	-7,566	-4,804	-2,175	-1,820	-3,299	-4,923	-327	-307	-2,404	-1,800	-5,656	-5,312	-3,847
40%	-6,794	-4,201	-2,034	-2,293	-3,255	-4,422	-248	-225	-2,989	-3,708	-6,440	-4,793	-3,636
50%	-6,219	-3,434	-1,598	-2,117	-3,306	-4,358	-218	-217	-2,795	-5,115	-6,997	-4,545	-3,407
60%	-4,981	-3,127	-1,649	-3,026	-3,849	-3,922	-231	-248	-1,845	-6,470	-7,341	-4,415	-3,286
70%	-4,524	-2,372	-1,558	-3,701	-3,979	-3,237	-282	-426	-1,643	-7,668	-7,331	-4,422	-3,103
80%	-3,574	-1,605	-1,668	-3,487	-3,496	-3,532	-397	-543	-1,568	-8,318	-5,603	-4,009	-2,906
90%	-2,628	-871	-2,283	-3,001	-3,228	-1,662	-576	-754	-567	-7,699	-1,543	-2,175	-2,017
Long Term													
Full Simulation Period[a]	-5,764	-3,214	-2,085	-2,909	-3,718	-4,040	-490	-818	-2,732	-4,130	-4,765	-4,257	-3,244
Water Year Types[b]													
Wet (32%)	-6,525	-4,781	-2,672	-4,079	-6,835	-7,361	-1,410	-2,028	-4,803	-3,281	-5,848	-5,324	-4,579
Above Normal (15%)	-5,768	-2,733	-2,103	-2,680	-3,879	-5,966	-168	-386	-3,283	-2,421	-4,216	-4,011	-3,134
Below Normal (17%)	-6,148	-3,104	-1,536	-2,493	-2,510	-2,852	34	-88	-2,144	-3,895	-4,522	-4,471	-2,811
Dry (22%)	-5,093	-2,651	-1,851	-2,382	-1,865	-1,060	50	-174	-1,345	-5,297	-5,990	-4,021	-2,640
Critical (15%)	-4,668	-1,273	-1,791	-1,875	-996	-777	-240	-447	-459	-6,200	-1,412	-2,294	-1,869

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-12-1-6. South Delta Exports, Monthly Delivery Rate

Existing Condition

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	11,044	10,934	11,317	8,932	10,779	9,816	3,240	3,381	9,032	11,595	11,725	11,158	8,711
20%	10,967	10,917	11,235	7,749	9,327	9,134	2,276	2,297	7,236	11,555	11,685	11,137	8,397
30%	10,389	10,903	9,988	6,883	8,257	8,647	2,055	1,847	5,468	11,502	11,669	11,041	8,035
40%	9,581	10,117	9,200	6,799	7,707	7,383	1,842	1,660	5,125	11,426	11,551	10,345	7,633
50%	8,972	9,052	8,500	6,435	6,855	6,604	1,714	1,570	4,469	11,384	11,461	9,891	7,261
60%	7,704	8,374	8,004	6,365	6,598	5,594	1,607	1,500	3,506	11,284	11,350	9,439	6,991
70%	7,180	7,212	7,638	5,905	5,969	4,804	1,500	1,500	3,080	11,076	11,058	9,029	6,612
80%	6,139	6,249	7,096	5,053	4,978	4,513	1,500	1,500	2,787	10,397	8,961	8,218	6,250
90%	4,847	4,660	6,185	4,460	3,823	2,260	1,500	1,500	1,598	8,986	4,363	4,996	4,761
Long Term													
Full Simulation Period[a]	8,389	8,488	8,747	6,627	7,105	6,562	2,076	2,188	4,844	10,650	10,084	9,328	7,091
Water Year Types[b]													
Wet (32%)	9,345	10,117	8,867	7,695	9,241	9,030	2,847	3,294	7,386	11,377	11,461	10,853	8,459
Above Normal (15%)	8,395	8,039	9,033	6,447	7,231	7,913	1,819	1,675	6,033	10,665	11,177	10,304	7,394
Below Normal (17%)	8,618	8,849	9,268	6,281	6,879	6,933	1,736	1,667	4,295	11,188	10,742	9,650	7,175
Dry (22%)	7,721	7,916	8,841	6,286	5,773	4,243	1,718	1,765	2,907	11,061	10,726	8,999	6,496
Critical (15%)	7,049	5,845	7,453	5,411	4,613	2,910	1,595	1,545	1,692	7,815	4,278	5,169	4,615

Alternative 4 H2 (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	2,892	6,274	9,016	5,860	5,535	3,914	1,722	1,648	2,944	9,849	8,404	6,969	4,360
20%	2,850	6,201	8,085	5,510	5,079	2,874	1,500	1,498	2,060	8,627	7,682	6,440	4,035
30%	2,824	5,929	7,284	5,123	4,899	2,270	1,335	1,409	1,675	7,762	7,143	5,965	3,890
40%	2,784	5,545	6,942	4,825	4,244	1,567	1,093	1,270	1,511	6,433	6,469	5,713	3,715
50%	2,749	5,279	6,622	4,392	3,191	980	891	992	1,129	5,318	5,533	5,413	3,585
60%	2,706	5,109	6,236	3,532	2,425	724	741	829	501	4,373	4,841	5,277	3,495
70%	2,674	4,824	5,657	2,101	1,967	58	441	597	204	2,663	4,007	4,936	3,305
80%	2,584	4,528	5,217	1,557	1,458	0	3	90	18	2,079	3,460	4,488	3,020
90%	2,171	4,132	4,063	1,454	221	0	0	0	0	950	2,778	2,703	2,523
Long Term													
Full Simulation Period[a]	2,639	5,200	6,415	3,767	3,251	1,523	930	998	1,226	5,523	5,656	5,210	3,528
Water Year Types[b]													
Wet (32%)	2,768	5,415	6,351	3,741	2,195	836	958	969	1,109	6,309	5,638	5,514	3,484
Above Normal (15%)	2,613	5,115	6,727	4,111	3,085	1,433	712	672	1,289	4,795	6,882	6,203	3,636
Below Normal (17%)	2,416	5,339	7,111	3,768	4,342	1,964	896	963	1,499	6,856	6,961	5,946	4,005
Dry (22%)	2,743	5,112	6,592	3,770	3,854	2,032	958	1,331	1,337	6,150	5,605	5,236	3,727
Critical (15%)	2,491	4,791	5,166	3,473	3,527	1,827	1,087	925	934	2,054	3,020	2,659	2,663

Alternative 4 H2 (LLT) minus Existing Condition

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	-8,152	-4,660	-2,301	-3,072	-5,244	-5,902	-1,518	-1,733	-6,088	-1,745	-3,321	-4,189	-4,351
20%	-8,117	-4,715	-3,150	-2,238	-4,249	-6,260	-776	-799	-5,176	-2,928	-4,003	-4,696	-4,362
30%	-7,565	-4,975	-2,705	-1,760	-3,358	-6,378	-719	-438	-3,793	-3,740	-4,525	-5,076	-4,146
40%	-6,798	-4,572	-2,258	-1,974	-3,463	-5,815	-749	-391	-3,614	-4,992	-5,082	-4,631	-3,918
50%	-6,223	-3,773	-1,878	-2,043	-3,664	-5,625	-823	-577	-3,340	-6,067	-5,928	-4,478	-3,676
60%	-4,998	-3,265	-1,768	-2,834	-4,173	-4,870	-866	-671	-3,006	-6,911	-6,508	-4,162	-3,497
70%	-4,506	-2,387	-1,982	-3,804	-4,003	-4,746	-1,059	-903	-2,876	-8,413	-7,051	-4,094	-3,307
80%	-3,554	-1,721	-1,879	-3,496	-3,520	-4,513	-1,497	-1,410	-2,769	-8,319	-5,501	-3,730	-3,230
90%	-2,676	-528	-2,122	-3,006	-3,602	-2,260	-1,500	-1,500	-1,598	-8,036	-1,585	-2,294	-2,238
Long Term													
Full Simulation Period[a]	-5,750	-3,288	-2,332	-2,860	-3,854	-5,039	-1,146	-1,190	-3,618	-5,127	-4,429	-4,119	-3,562
Water Year Types[b]													
Wet (32%)	-6,577	-4,702	-2,516	-3,954	-7,046	-8,195	-1,889	-2,325	-6,278	-5,068	-5,823	-5,338	-4,976
Above Normal (15%)	-5,782	-2,924	-2,306	-2,336	-4,147	-6,480	-1,107	-1,003	-4,744	-5,870	-4,295	-4,102	-3,758
Below Normal (17%)	-6,202	-3,509	-2,157	-2,513	-2,537	-4,970	-840	-704	-2,796	-4,332	-3,781	-3,704	-3,170
Dry (22%)	-4,978	-2,804	-2,249	-2,516	-1,919	-2,211	-760	-433	-1,570	-4,911	-5,121	-3,763	-2,770
Critical (15%)	-4,558	-1,054	-2,287	-1,938	-1,086	-1,083	-507	-620	-758	-5,760	-1,258	-2,510	-1,952

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-12-1-7. South Delta Exports, Monthly Delivery Rate

Existing Condition

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	11,044	10,934	11,317	8,932	10,779	9,816	3,240	3,381	9,032	11,595	11,725	11,158	8,711
20%	10,967	10,917	11,235	7,749	9,327	9,134	2,276	2,297	7,236	11,555	11,685	11,137	8,397
30%	10,389	10,903	9,988	6,883	8,257	8,647	2,055	1,847	5,468	11,502	11,669	11,041	8,035
40%	9,581	10,117	9,200	6,799	7,707	7,383	1,842	1,660	5,125	11,426	11,551	10,345	7,633
50%	8,972	9,052	8,500	6,435	6,855	6,604	1,714	1,570	4,469	11,384	11,461	9,891	7,261
60%	7,704	8,374	8,004	6,365	6,598	5,594	1,607	1,500	3,506	11,284	11,350	9,439	6,991
70%	7,180	7,212	7,638	5,905	5,969	4,804	1,500	1,500	3,080	11,076	11,058	9,029	6,612
80%	6,139	6,249	7,096	5,053	4,978	4,513	1,500	1,500	2,787	10,397	8,961	8,218	6,250
90%	4,847	4,660	6,185	4,460	3,823	2,260	1,500	1,500	1,598	8,986	4,363	4,996	4,761
Long Term													
Full Simulation Period[a]	8,389	8,488	8,747	6,627	7,105	6,562	2,076	2,188	4,844	10,650	10,084	9,328	7,091
Water Year Types[b]													
Wet (32%)	9,345	10,117	8,867	7,695	9,241	9,030	2,847	3,294	7,386	11,377	11,461	10,853	8,459
Above Normal (15%)	8,395	8,039	9,033	6,447	7,231	7,913	1,819	1,675	6,033	10,665	11,177	10,304	7,394
Below Normal (17%)	8,618	8,849	9,268	6,281	6,879	6,933	1,736	1,667	4,295	11,188	10,742	9,650	7,175
Dry (22%)	7,721	7,916	8,841	6,286	5,773	4,243	1,718	1,765	2,907	11,061	10,726	8,999	6,496
Critical (15%)	7,049	5,845	7,453	5,411	4,613	2,910	1,595	1,545	1,692	7,815	4,278	5,169	4,615

Alternative 4 H3 (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	2,790	6,054	9,670	5,907	5,533	4,696	2,749	2,105	3,575	11,735	10,022	5,685	4,386
20%	2,749	5,689	9,473	5,525	5,404	4,188	2,373	1,649	3,360	10,543	7,850	5,181	4,031
30%	2,712	5,098	8,320	5,193	5,039	3,713	1,728	1,569	3,095	9,191	5,978	4,633	3,713
40%	2,632	4,780	7,217	4,595	4,752	2,848	1,627	1,431	2,085	7,547	5,357	3,770	3,544
50%	2,541	4,328	6,862	4,256	3,618	2,493	1,545	1,366	1,680	6,109	4,864	2,275	3,399
60%	2,097	1,975	6,509	2,849	2,836	1,818	1,437	1,241	1,674	4,838	4,254	338	3,280
70%	1,014	0	6,106	2,031	2,420	1,575	1,261	1,072	1,616	3,961	3,780	98	3,112
80%	499	0	5,345	1,566	1,785	1,391	1,104	946	1,411	2,393	3,455	0	2,866
90%	12	0	3,213	1,566	1,131	601	924	748	1,044	1,277	2,880	0	2,652
Long Term													
Full Simulation Period[a]	1,883	3,098	6,854	3,665	3,549	2,645	1,621	1,361	2,161	6,513	5,477	2,620	3,454
Water Year Types[b]													
Wet (32%)	1,854	2,717	6,585	3,695	2,845	2,086	1,465	1,274	2,674	8,289	6,155	199	3,320
Above Normal (15%)	1,827	2,880	7,220	3,623	3,373	1,955	1,637	1,388	2,754	8,308	6,917	1,253	3,594
Below Normal (17%)	1,532	3,066	7,726	3,842	4,362	4,239	1,944	1,513	2,204	7,689	6,584	5,599	4,192
Dry (22%)	2,133	3,385	7,007	3,721	3,951	3,081	1,778	1,519	1,607	4,967	4,517	4,805	3,539
Critical (15%)	2,034	3,746	5,824	3,354	3,703	2,036	1,333	1,109	1,235	1,819	2,719	2,480	2,616

Alternative 4 H3 (LLT) minus Existing Condition

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	-8,253	-4,880	-1,646	-3,025	-5,246	-5,120	-491	-1,276	-5,457	140	-1,703	-5,473	-4,325
20%	-8,218	-5,227	-1,762	-2,224	-3,924	-4,946	97	-648	-3,876	-1,012	-3,835	-5,955	-4,367
30%	-7,677	-5,805	-1,669	-1,690	-3,217	-4,935	-327	-278	-2,373	-2,311	-5,691	-6,409	-4,322
40%	-6,950	-5,337	-1,983	-2,204	-2,955	-4,534	-214	-229	-3,040	-3,878	-6,194	-6,574	-4,089
50%	-6,431	-4,724	-1,638	-2,179	-3,237	-4,111	-169	-203	-2,789	-5,276	-6,597	-7,616	-3,861
60%	-5,607	-6,399	-1,495	-3,516	-3,762	-3,775	-170	-259	-1,832	-6,446	-7,096	-9,102	-3,711
70%	-6,166	-7,212	-1,532	-3,874	-3,549	-3,229	-239	-428	-1,463	-7,114	-7,278	-8,931	-3,500
80%	-5,640	-6,249	-1,752	-3,487	-3,193	-3,122	-396	-554	-1,376	-8,004	-5,505	-8,218	-3,384
90%	-4,835	-4,660	-2,972	-2,894	-2,692	-1,658	-576	-752	-554	-7,709	-1,483	-4,996	-2,109
Long Term													
Full Simulation Period[a]	-6,507	-5,390	-1,893	-2,962	-3,556	-3,917	-454	-827	-2,683	-4,136	-4,607	-6,708	-3,637
Water Year Types[b]													
Wet (32%)	-7,491	-7,399	-2,282	-3,999	-6,396	-6,945	-1,382	-2,021	-4,712	-3,087	-5,306	-10,654	-5,140
Above Normal (15%)	-6,567	-5,159	-1,813	-2,825	-3,858	-5,958	-182	-288	-3,279	-2,357	-4,261	-9,051	-3,800
Below Normal (17%)	-7,086	-5,783	-1,542	-2,439	-2,517	-2,695	208	-154	-2,090	-3,499	-4,158	-4,051	-2,984
Dry (22%)	-5,588	-4,531	-1,834	-2,565	-1,822	-1,163	60	-246	-1,300	-6,094	-6,209	-4,194	-2,957
Critical (15%)	-5,015	-2,100	-1,629	-2,057	-910	-874	-262	-437	-457	-5,996	-1,559	-2,690	-1,999

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-12-1-8. South Delta Exports, Monthly Delivery Rate

Existing Condition

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	11,044	10,934	11,317	8,932	10,779	9,816	3,240	3,381	9,032	11,595	11,725	11,158	8,711
20%	10,967	10,917	11,235	7,749	9,327	9,134	2,276	2,297	7,236	11,555	11,685	11,137	8,397
30%	10,389	10,903	9,988	6,883	8,257	8,647	2,055	1,847	5,468	11,502	11,669	11,041	8,035
40%	9,581	10,117	9,200	6,799	7,707	7,383	1,842	1,660	5,125	11,426	11,551	10,345	7,633
50%	8,972	9,052	8,500	6,435	6,855	6,604	1,714	1,570	4,469	11,384	11,461	9,891	7,261
60%	7,704	8,374	8,004	6,365	6,598	5,594	1,607	1,500	3,506	11,284	11,350	9,439	6,991
70%	7,180	7,212	7,638	5,905	5,969	4,804	1,500	1,500	3,080	11,076	11,058	9,029	6,612
80%	6,139	6,249	7,096	5,053	4,978	4,513	1,500	1,500	2,787	10,397	8,961	8,218	6,250
90%	4,847	4,660	6,185	4,460	3,823	2,260	1,500	1,500	1,598	8,986	4,363	4,996	4,761
Long Term													
Full Simulation Period[a]	8,389	8,488	8,747	6,627	7,105	6,562	2,076	2,188	4,844	10,650	10,084	9,328	7,091
Water Year Types[b]													
Wet (32%)	9,345	10,117	8,867	7,695	9,241	9,030	2,847	3,294	7,386	11,377	11,461	10,853	8,459
Above Normal (15%)	8,395	8,039	9,033	6,447	7,231	7,913	1,819	1,675	6,033	10,665	11,177	10,304	7,394
Below Normal (17%)	8,618	8,849	9,268	6,281	6,879	6,933	1,736	1,667	4,295	11,188	10,742	9,650	7,175
Dry (22%)	7,721	7,916	8,841	6,286	5,773	4,243	1,718	1,765	2,907	11,061	10,726	8,999	6,496
Critical (15%)	7,049	5,845	7,453	5,411	4,613	2,910	1,595	1,545	1,692	7,815	4,278	5,169	4,615

Alternative 4 H4 (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	2,803	6,139	9,512	5,907	5,530	4,146	1,722	1,632	3,014	10,177	8,511	6,284	3,860
20%	2,750	5,362	8,611	5,515	5,195	3,592	1,500	1,500	2,036	8,183	7,923	5,397	3,599
30%	2,694	5,041	7,626	5,162	4,948	2,402	1,338	1,406	1,678	7,009	7,293	4,963	3,501
40%	2,652	4,667	7,114	4,669	4,446	1,679	1,076	1,235	1,631	5,785	6,656	4,477	3,364
50%	2,563	4,428	6,826	4,300	3,547	1,557	858	957	1,294	4,976	5,532	2,412	3,107
60%	2,117	999	6,317	3,603	2,806	812	784	817	762	4,432	4,796	488	2,980
70%	1,082	0	6,138	1,941	2,298	382	499	627	251	3,153	3,976	0	2,796
80%	398	0	5,307	1,566	1,563	0	48	124	18	2,270	3,400	0	2,622
90%	3	0	4,118	1,566	80	0	0	0	1	1,069	3,175	0	2,404
Long Term													
Full Simulation Period[a]	1,891	3,031	6,732	3,726	3,374	1,740	941	986	1,282	5,331	5,692	2,742	3,122
Water Year Types[b]													
Wet (32%)	1,773	2,926	6,756	3,688	2,497	1,551	1,058	991	1,358	6,542	5,775	119	2,920
Above Normal (15%)	1,794	2,835	7,125	4,199	3,309	1,438	668	672	1,222	4,938	6,108	963	2,939
Below Normal (17%)	1,482	2,837	7,577	3,795	4,312	1,841	843	976	1,712	6,720	7,051	5,737	3,740
Dry (22%)	2,211	3,097	6,568	3,736	3,847	2,057	944	1,225	1,097	4,963	5,853	5,409	3,417
Critical (15%)	2,240	3,578	5,549	3,237	3,536	1,858	1,068	941	956	2,035	3,272	2,712	2,582

Alternative 4 H4 (LLT) minus Existing Condition

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	-8,240	-4,796	-1,805	-3,025	-5,249	-5,670	-1,518	-1,749	-6,018	-1,418	-3,214	-4,874	-4,851
20%	-8,217	-5,555	-2,624	-2,234	-4,132	-5,542	-776	-797	-5,200	-3,372	-3,762	-5,739	-4,799
30%	-7,695	-5,862	-2,362	-1,721	-3,309	-6,245	-717	-441	-3,790	-4,493	-4,375	-6,078	-4,535
40%	-6,930	-5,450	-2,085	-2,129	-3,262	-5,703	-766	-425	-3,494	-5,640	-4,895	-5,868	-4,269
50%	-6,409	-4,624	-1,674	-2,135	-3,308	-5,047	-856	-612	-3,175	-6,408	-5,929	-7,480	-4,153
60%	-5,587	-7,375	-1,687	-2,763	-3,792	-4,782	-823	-683	-2,744	-6,852	-6,554	-8,951	-4,011
70%	-6,098	-7,212	-1,500	-3,964	-3,672	-4,422	-1,001	-873	-2,828	-7,923	-7,082	-9,029	-3,816
80%	-5,741	-6,249	-1,790	-3,487	-3,415	-4,513	-1,452	-1,376	-2,769	-8,127	-5,561	-8,218	-3,628
90%	-4,844	-4,660	-2,067	-2,894	-3,743	-2,260	-1,500	-1,500	-1,597	-7,917	-1,188	-4,996	-2,357
Long Term													
Full Simulation Period[a]	-6,498	-5,457	-2,015	-2,902	-3,731	-4,822	-1,135	-1,202	-3,561	-5,318	-4,392	-6,586	-3,968
Water Year Types[b]													
Wet (32%)	-7,572	-7,190	-2,111	-4,006	-6,743	-7,480	-1,789	-2,303	-6,028	-4,834	-5,686	-10,733	-5,540
Above Normal (15%)	-6,601	-5,204	-1,907	-2,248	-3,923	-6,475	-1,150	-1,003	-4,811	-5,728	-5,069	-9,341	-4,455
Below Normal (17%)	-7,136	-6,012	-1,692	-2,486	-2,567	-5,092	-893	-690	-2,583	-4,468	-3,691	-3,913	-3,435
Dry (22%)	-5,510	-4,819	-2,273	-2,550	-1,926	-2,187	-773	-539	-1,810	-6,098	-4,873	-3,590	-3,079
Critical (15%)	-4,809	-2,268	-1,905	-2,175	-1,077	-1,051	-527	-604	-736	-5,780	-1,006	-2,457	-2,033

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-12-1-9. South Delta Exports, Monthly Delivery Rate

Existing Condition

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	11,044	10,934	11,317	8,932	10,779	9,816	3,240	3,381	9,032	11,595	11,725	11,158	8,711
20%	10,967	10,917	11,235	7,749	9,327	9,134	2,276	2,297	7,236	11,555	11,685	11,137	8,397
30%	10,389	10,903	9,988	6,883	8,257	8,647	2,055	1,847	5,468	11,502	11,669	11,041	8,035
40%	9,581	10,117	9,200	6,799	7,707	7,383	1,842	1,660	5,125	11,426	11,551	10,345	7,633
50%	8,972	9,052	8,500	6,435	6,855	6,604	1,714	1,570	4,469	11,384	11,461	9,891	7,261
60%	7,704	8,374	8,004	6,365	6,598	5,594	1,607	1,500	3,506	11,284	11,350	9,439	6,991
70%	7,180	7,212	7,638	5,905	5,969	4,804	1,500	1,500	3,080	11,076	11,058	9,029	6,612
80%	6,139	6,249	7,096	5,053	4,978	4,513	1,500	1,500	2,787	10,397	8,961	8,218	6,250
90%	4,847	4,660	6,185	4,460	3,823	2,260	1,500	1,500	1,598	8,986	4,363	4,996	4,761
Long Term													
Full Simulation Period[a]	8,389	8,488	8,747	6,627	7,105	6,562	2,076	2,188	4,844	10,650	10,084	9,328	7,091
Water Year Types[b]													
Wet (32%)	9,345	10,117	8,867	7,695	9,241	9,030	2,847	3,294	7,386	11,377	11,461	10,853	8,459
Above Normal (15%)	8,395	8,039	9,033	6,447	7,231	7,913	1,819	1,675	6,033	10,665	11,177	10,304	7,394
Below Normal (17%)	8,618	8,849	9,268	6,281	6,879	6,933	1,736	1,667	4,295	11,188	10,742	9,650	7,175
Dry (22%)	7,721	7,916	8,841	6,286	5,773	4,243	1,718	1,765	2,907	11,061	10,726	8,999	6,496
Critical (15%)	7,049	5,845	7,453	5,411	4,613	2,910	1,595	1,545	1,692	7,815	4,278	5,169	4,615

Alternative 5 (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	6,013	8,693	11,661	8,051	9,898	9,955	3,595	3,370	6,736	11,228	11,309	5,662	6,197
20%	5,248	7,170	11,213	7,083	8,331	8,607	3,166	2,478	5,819	11,222	10,056	5,204	5,836
30%	4,412	5,390	10,607	6,840	7,245	6,924	2,367	2,055	5,319	10,689	8,651	4,617	5,642
40%	3,850	4,993	9,435	6,674	6,646	6,319	2,173	1,814	4,013	9,966	7,415	4,060	5,458
50%	3,207	4,393	8,575	6,365	6,234	5,302	2,073	1,715	3,513	8,995	6,221	3,452	5,097
60%	2,813	2,525	7,822	5,712	5,576	4,618	1,825	1,588	3,175	7,597	4,600	2,495	4,892
70%	1,882	60	7,395	5,014	4,964	3,726	1,711	1,500	1,683	6,584	3,919	2,013	4,345
80%	1,488	0	6,798	4,333	3,837	3,180	1,598	1,500	1,674	4,212	2,677	739	3,937
90%	841	0	5,012	2,509	2,966	2,150	1,500	1,500	1,175	1,263	2,142	0	3,025
Long Term													
Full Simulation Period[a]	3,414	3,903	8,492	5,923	6,214	5,738	2,360	2,221	3,856	7,728	6,337	3,277	4,955
Water Year Types[b]													
Wet (32%)	3,977	4,305	8,761	7,354	8,045	8,072	2,947	3,120	6,087	9,520	7,987	2,541	6,060
Above Normal (15%)	3,167	4,191	8,730	6,232	6,341	6,824	2,087	1,913	4,742	8,621	9,237	2,557	5,387
Below Normal (17%)	2,987	3,696	8,716	5,661	5,766	5,942	2,357	2,005	3,555	9,501	7,277	5,206	5,223
Dry (22%)	3,335	3,621	9,366	5,398	4,999	3,678	2,206	1,940	1,974	6,571	3,895	3,954	4,245
Critical (15%)	3,058	3,407	6,101	3,606	4,462	2,444	1,594	1,254	1,310	2,615	2,426	2,326	2,884

Alternative 5 (LLT) minus Existing Condition

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	-5,030	-2,241	344	-881	-881	139	355	-11	-2,296	-367	-416	-5,496	-2,514
20%	-5,720	-3,747	-22	-666	-997	-527	891	181	-1,417	-333	-1,629	-5,932	-2,562
30%	-5,978	-5,514	619	-43	-1,012	-1,723	312	209	-149	-813	-3,017	-6,424	-2,393
40%	-5,731	-5,124	235	-125	-1,062	-1,064	332	153	-1,111	-1,459	-4,136	-6,285	-2,176
50%	-5,765	-4,659	74	-70	-620	-1,303	359	145	-956	-2,389	-5,240	-6,439	-2,163
60%	-4,890	-5,849	-182	-653	-1,022	-975	218	88	-331	-3,687	-6,749	-6,944	-2,100
70%	-5,298	-7,152	-243	-890	-1,006	-1,078	211	0	-1,396	-4,491	-7,139	-7,016	-2,267
80%	-4,651	-6,249	-298	-720	-1,141	-1,333	98	0	-1,112	-6,186	-6,284	-7,479	-2,313
90%	-4,006	-4,660	-1,172	-1,951	-857	-110	0	0	-423	-7,723	-2,220	-4,996	-1,736
Long Term													
Full Simulation Period[a]	-4,975	-4,585	-255	-705	-891	-825	284	33	-988	-2,922	-3,747	-6,051	-2,136
Water Year Types[b]													
Wet (32%)	-5,368	-5,812	-106	-341	-1,195	-958	100	-174	-1,299	-1,856	-3,474	-8,311	-2,400
Above Normal (15%)	-5,228	-3,848	-303	-215	-890	-1,089	269	238	-1,290	-2,044	-1,940	-7,747	-2,007
Below Normal (17%)	-5,630	-5,153	-552	-620	-1,114	-991	621	339	-740	-1,686	-3,464	-4,444	-1,953
Dry (22%)	-4,386	-4,295	525	-888	-774	-565	489	175	-933	-4,490	-6,831	-5,044	-2,251
Critical (15%)	-3,991	-2,438	-1,352	-1,805	-151	-466	0	-291	-382	-5,199	-1,852	-2,843	-1,731

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-12-1-10. South Delta Exports, Monthly Delivery Rate

Existing Condition

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	11,044	10,934	11,317	8,932	10,779	9,816	3,240	3,381	9,032	11,595	11,725	11,158	8,711
20%	10,967	10,917	11,235	7,749	9,327	9,134	2,276	2,297	7,236	11,555	11,685	11,137	8,397
30%	10,389	10,903	9,988	6,883	8,257	8,647	2,055	1,847	5,468	11,502	11,669	11,041	8,035
40%	9,581	10,117	9,200	6,799	7,707	7,383	1,842	1,660	5,125	11,426	11,551	10,345	7,633
50%	8,972	9,052	8,500	6,435	6,855	6,604	1,714	1,570	4,469	11,384	11,461	9,891	7,261
60%	7,704	8,374	8,004	6,365	6,598	5,594	1,607	1,500	3,506	11,284	11,350	9,439	6,991
70%	7,180	7,212	7,638	5,905	5,969	4,804	1,500	1,500	3,080	11,076	11,058	9,029	6,612
80%	6,139	6,249	7,096	5,053	4,978	4,513	1,500	1,500	2,787	10,397	8,961	8,218	6,250
90%	4,847	4,660	6,185	4,460	3,823	2,260	1,500	1,500	1,598	8,986	4,363	4,996	4,761
Long Term													
Full Simulation Period[a]	8,389	8,488	8,747	6,627	7,105	6,562	2,076	2,188	4,844	10,650	10,084	9,328	7,091
Water Year Types[b]													
Wet (32%)	9,345	10,117	8,867	7,695	9,241	9,030	2,847	3,294	7,386	11,377	11,461	10,853	8,459
Above Normal (15%)	8,395	8,039	9,033	6,447	7,231	7,913	1,819	1,675	6,033	10,665	11,177	10,304	7,394
Below Normal (17%)	8,618	8,849	9,268	6,281	6,879	6,933	1,736	1,667	4,295	11,188	10,742	9,650	7,175
Dry (22%)	7,721	7,916	8,841	6,286	5,773	4,243	1,718	1,765	2,907	11,061	10,726	8,999	6,496
Critical (15%)	7,049	5,845	7,453	5,411	4,613	2,910	1,595	1,545	1,692	7,815	4,278	5,169	4,615

Alternative 6A,6B,6C (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	0	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0	0
Long Term													
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]													
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (17%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Dry (22%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0

Alternative 6A,6B,6C (LLT) minus Existing Condition

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	-11,044	-10,934	-11,317	-8,932	-10,779	-9,816	-3,240	-3,381	-9,032	-11,595	-11,725	-11,158	-8,711
20%	-10,967	-10,917	-11,235	-7,749	-9,327	-9,134	-2,276	-2,297	-7,236	-11,555	-11,685	-11,137	-8,397
30%	-10,389	-10,903	-9,988	-6,883	-8,257	-8,647	-2,055	-1,847	-5,468	-11,502	-11,669	-11,041	-8,035
40%	-9,581	-10,117	-9,200	-6,799	-7,707	-7,383	-1,842	-1,660	-5,125	-11,426	-11,551	-10,345	-7,633
50%	-8,972	-9,052	-8,500	-6,435	-6,855	-6,604	-1,714	-1,570	-4,469	-11,384	-11,461	-9,891	-7,261
60%	-7,704	-8,374	-8,004	-6,365	-6,598	-5,594	-1,607	-1,500	-3,506	-11,284	-11,350	-9,439	-6,991
70%	-7,180	-7,212	-7,638	-5,905	-5,969	-4,804	-1,500	-1,500	-3,080	-11,076	-11,058	-9,029	-6,612
80%	-6,139	-6,249	-7,096	-5,053	-4,978	-4,513	-1,500	-1,500	-2,787	-10,397	-8,961	-8,218	-6,250
90%	-4,847	-4,660	-6,185	-4,460	-3,823	-2,260	-1,500	-1,500	-1,598	-8,986	-4,363	-4,996	-4,761
Long Term													
Full Simulation Period[a]	-8,389	-8,488	-8,747	-6,627	-7,105	-6,562	-2,076	-2,188	-4,844	-10,650	-10,084	-9,328	-7,091
Water Year Types[b]													
Wet (32%)	-9,345	-10,117	-8,867	-7,695	-9,241	-9,030	-2,847	-3,294	-7,386	-11,377	-11,461	-10,853	-8,459
Above Normal (15%)	-8,395	-8,039	-9,033	-6,447	-7,231	-7,913	-1,819	-1,675	-6,033	-10,665	-11,177	-10,304	-7,394
Below Normal (17%)	-8,618	-8,849	-9,268	-6,281	-6,879	-6,933	-1,736	-1,667	-4,295	-11,188	-10,742	-9,650	-7,175
Dry (22%)	-7,721	-7,916	-8,841	-6,286	-5,773	-4,243	-1,718	-1,765	-2,907	-11,061	-10,726	-8,999	-6,496
Critical (15%)	-7,049	-5,845	-7,453	-5,411	-4,613	-2,910	-1,595	-1,545	-1,692	-7,815	-4,278	-5,169	-4,615

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-12-1-11. South Delta Exports, Monthly Delivery Rate

Existing Condition

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	11,044	10,934	11,317	8,932	10,779	9,816	3,240	3,381	9,032	11,595	11,725	11,158	8,711
20%	10,967	10,917	11,235	7,749	9,327	9,134	2,276	2,297	7,236	11,555	11,685	11,137	8,397
30%	10,389	10,903	9,988	6,883	8,257	8,647	2,055	1,847	5,468	11,502	11,669	11,041	8,035
40%	9,581	10,117	9,200	6,799	7,707	7,383	1,842	1,660	5,125	11,426	11,551	10,345	7,633
50%	8,972	9,052	8,500	6,435	6,855	6,604	1,714	1,570	4,469	11,384	11,461	9,891	7,261
60%	7,704	8,374	8,004	6,365	6,598	5,594	1,607	1,500	3,506	11,284	11,350	9,439	6,991
70%	7,180	7,212	7,638	5,905	5,969	4,804	1,500	1,500	3,080	11,076	11,058	9,029	6,612
80%	6,139	6,249	7,096	5,053	4,978	4,513	1,500	1,500	2,787	10,397	8,961	8,218	6,250
90%	4,847	4,660	6,185	4,460	3,823	2,260	1,500	1,500	1,598	8,986	4,363	4,996	4,761
Long Term													
Full Simulation Period[a]	8,389	8,488	8,747	6,627	7,105	6,562	2,076	2,188	4,844	10,650	10,084	9,328	7,091
Water Year Types[b]													
Wet (32%)	9,345	10,117	8,867	7,695	9,241	9,030	2,847	3,294	7,386	11,377	11,461	10,853	8,459
Above Normal (15%)	8,395	8,039	9,033	6,447	7,231	7,913	1,819	1,675	6,033	10,665	11,177	10,304	7,394
Below Normal (17%)	8,618	8,849	9,268	6,281	6,879	6,933	1,736	1,667	4,295	11,188	10,742	9,650	7,175
Dry (22%)	7,721	7,916	8,841	6,286	5,773	4,243	1,718	1,765	2,907	11,061	10,726	8,999	6,496
Critical (15%)	7,049	5,845	7,453	5,411	4,613	2,910	1,595	1,545	1,692	7,815	4,278	5,169	4,615

Alternative 7 (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	0	0	893	3,229	5,511	5,139	0	0	0	13,196	10,737	5,725	2,985
20%	0	0	532	1,592	2,949	3,211	0	0	0	12,412	9,547	5,253	2,476
30%	0	0	161	1,016	2,179	1,651	0	0	0	11,328	8,204	4,656	2,303
40%	0	0	0	487	1,364	558	0	0	0	10,186	7,420	4,064	2,180
50%	0	0	0	314	517	212	0	0	0	9,122	7,001	2,829	1,985
60%	0	0	0	240	141	0	0	0	0	7,753	6,092	800	1,693
70%	0	0	0	0	0	0	0	0	0	5,471	5,540	0	1,451
80%	0	0	0	0	0	0	0	0	0	4,758	4,796	0	1,178
90%	0	0	0	0	0	0	0	0	0	3,897	4,091	0	1,012
Long Term													
Full Simulation Period[a]	0	0	538	1,063	1,537	1,359	0	0	125	8,710	7,193	2,747	1,939
Water Year Types[b]													
Wet (32%)	0	0	1,302	2,224	2,907	2,872	0	0	393	10,263	8,387	316	2,389
Above Normal (15%)	0	0	466	1,544	1,903	1,548	0	0	0	9,974	8,476	1,184	2,091
Below Normal (17%)	0	0	224	550	1,624	1,194	0	0	0	10,553	8,959	5,866	2,414
Dry (22%)	0	0	85	172	238	81	0	0	0	7,347	5,466	4,771	1,513
Critical (15%)	0	0	0	0	47	0	0	0	0	3,975	3,855	2,901	898

Alternative 7 (LLT) minus Existing Condition

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	-11,044	-10,934	-10,423	-5,703	-5,268	-4,677	-3,240	-3,381	-9,032	1,601	-989	-5,434	-5,726
20%	-10,967	-10,917	-10,702	-6,157	-6,379	-5,923	-2,276	-2,297	-7,236	857	-2,138	-5,884	-5,921
30%	-10,389	-10,903	-9,827	-5,867	-6,078	-6,996	-2,055	-1,847	-5,468	-174	-3,464	-6,385	-5,733
40%	-9,581	-10,117	-9,200	-6,312	-6,343	-6,824	-1,842	-1,660	-5,125	-1,239	-4,131	-6,281	-5,453
50%	-8,972	-9,052	-8,500	-6,121	-6,338	-6,392	-1,714	-1,570	-4,469	-2,263	-4,460	-7,062	-5,275
60%	-7,704	-8,374	-8,004	-6,126	-6,457	-5,594	-1,607	-1,500	-3,506	-3,531	-5,257	-8,639	-5,298
70%	-7,180	-7,212	-7,638	-5,905	-5,969	-4,804	-1,500	-1,500	-3,080	-5,605	-5,518	-9,029	-5,161
80%	-6,139	-6,249	-7,096	-5,053	-4,978	-4,513	-1,500	-1,500	-2,787	-5,639	-4,165	-8,218	-5,072
90%	-4,847	-4,660	-6,185	-4,460	-3,823	-2,260	-1,500	-1,500	-1,598	-5,089	-271	-4,996	-3,749
Long Term													
Full Simulation Period[a]	-8,389	-8,488	-8,209	-5,565	-5,568	-5,203	-2,076	-2,188	-4,719	-1,940	-2,891	-6,582	-5,151
Water Year Types[b]													
Wet (32%)	-9,345	-10,117	-7,564	-5,471	-6,333	-6,159	-2,847	-3,294	-6,993	-1,114	-3,074	-10,537	-6,071
Above Normal (15%)	-8,395	-8,039	-8,567	-4,904	-5,329	-6,365	-1,819	-1,675	-6,033	-691	-2,701	-9,120	-5,303
Below Normal (17%)	-8,618	-8,849	-9,044	-5,731	-5,255	-5,739	-1,736	-1,667	-4,295	-635	-1,783	-3,784	-4,761
Dry (22%)	-7,721	-7,916	-8,756	-6,114	-5,535	-4,162	-1,718	-1,765	-2,907	-3,714	-5,261	-4,228	-4,983
Critical (15%)	-7,049	-5,845	-7,453	-5,411	-4,566	-2,910	-1,595	-1,545	-1,692	-3,840	-423	-2,268	-3,716

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-12-1-12. South Delta Exports, Monthly Delivery Rate

Existing Condition

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	11,044	10,934	11,317	8,932	10,779	9,816	3,240	3,381	9,032	11,595	11,725	11,158	8,711
20%	10,967	10,917	11,235	7,749	9,327	9,134	2,276	2,297	7,236	11,555	11,685	11,137	8,397
30%	10,389	10,903	9,988	6,883	8,257	8,647	2,055	1,847	5,468	11,502	11,669	11,041	8,035
40%	9,581	10,117	9,200	6,799	7,707	7,383	1,842	1,660	5,125	11,426	11,551	10,345	7,633
50%	8,972	9,052	8,500	6,435	6,855	6,604	1,714	1,570	4,469	11,384	11,461	9,891	7,261
60%	7,704	8,374	8,004	6,365	6,598	5,594	1,607	1,500	3,506	11,284	11,350	9,439	6,991
70%	7,180	7,212	7,638	5,905	5,969	4,804	1,500	1,500	3,080	11,076	11,058	9,029	6,612
80%	6,139	6,249	7,096	5,053	4,978	4,513	1,500	1,500	2,787	10,397	8,961	8,218	6,250
90%	4,847	4,660	6,185	4,460	3,823	2,260	1,500	1,500	1,598	8,986	4,363	4,996	4,761
Long Term													
Full Simulation Period[a]	8,389	8,488	8,747	6,627	7,105	6,562	2,076	2,188	4,844	10,650	10,084	9,328	7,091
Water Year Types[b]													
Wet (32%)	9,345	10,117	8,867	7,695	9,241	9,030	2,847	3,294	7,386	11,377	11,461	10,853	8,459
Above Normal (15%)	8,395	8,039	9,033	6,447	7,231	7,913	1,819	1,675	6,033	10,665	11,177	10,304	7,394
Below Normal (17%)	8,618	8,849	9,268	6,281	6,879	6,933	1,736	1,667	4,295	11,188	10,742	9,650	7,175
Dry (22%)	7,721	7,916	8,841	6,286	5,773	4,243	1,718	1,765	2,907	11,061	10,726	8,999	6,496
Critical (15%)	7,049	5,845	7,453	5,411	4,613	2,910	1,595	1,545	1,692	7,815	4,278	5,169	4,615

Alternative 8 (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	0	0	1,227	3,247	5,510	5,524	0	0	0	4,850	6,754	4,958	2,003
20%	0	0	498	1,984	3,193	3,216	0	0	0	3,681	6,211	4,524	1,650
30%	0	0	185	1,138	2,379	1,634	0	0	0	3,549	5,789	4,212	1,474
40%	0	0	0	512	1,364	570	0	0	0	3,372	5,424	3,332	1,194
50%	0	0	0	334	517	227	0	0	0	3,007	5,170	1,721	1,076
60%	0	0	0	248	141	0	0	0	0	2,573	4,924	0	1,026
70%	0	0	0	0	0	0	0	0	0	1,630	4,345	0	948
80%	0	0	0	0	0	0	0	0	0	1,278	3,939	0	836
90%	0	0	0	0	0	0	0	0	0	906	3,324	0	636
Long Term													
Full Simulation Period[a]	0	0	594	1,101	1,590	1,401	0	0	125	3,006	5,108	2,185	1,259
Water Year Types[b]													
Wet (32%)	0	0	1,468	2,357	3,192	3,060	0	0	393	3,875	6,653	22	1,752
Above Normal (15%)	0	0	458	1,493	1,817	1,464	0	0	0	1,573	5,632	775	1,101
Below Normal (17%)	0	0	260	568	1,473	1,173	0	0	0	2,204	4,731	4,876	1,274
Dry (22%)	0	0	76	175	247	73	0	0	0	3,003	4,347	4,081	1,000
Critical (15%)	0	0	0	0	47	0	0	0	0	3,496	2,819	2,299	722

Alternative 8 (LLT) minus Existing Condition

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	-11,044	-10,934	-10,090	-5,685	-5,269	-4,292	-3,240	-3,381	-9,032	-6,745	-4,971	-6,200	-6,708
20%	-10,967	-10,917	-10,736	-5,765	-6,135	-5,918	-2,276	-2,297	-7,236	-7,874	-5,473	-6,612	-6,747
30%	-10,389	-10,903	-9,803	-5,746	-5,878	-7,013	-2,055	-1,847	-5,468	-7,952	-5,880	-6,830	-6,562
40%	-9,581	-10,117	-9,200	-6,287	-6,343	-6,812	-1,842	-1,660	-5,125	-8,054	-6,128	-7,012	-6,439
50%	-8,972	-9,052	-8,500	-6,101	-6,338	-6,378	-1,714	-1,570	-4,469	-8,378	-6,291	-8,170	-6,185
60%	-7,704	-8,374	-8,004	-6,118	-6,457	-5,594	-1,607	-1,500	-3,506	-8,711	-6,426	-9,439	-5,966
70%	-7,180	-7,212	-7,638	-5,905	-5,969	-4,804	-1,500	-1,500	-3,080	-9,446	-6,713	-9,029	-5,665
80%	-6,139	-6,249	-7,096	-5,053	-4,978	-4,513	-1,500	-1,500	-2,787	-9,119	-5,022	-8,218	-5,414
90%	-4,847	-4,660	-6,185	-4,460	-3,823	-2,260	-1,500	-1,500	-1,598	-8,080	-1,039	-4,996	-4,125
Long Term													
Full Simulation Period[a]	-8,389	-8,488	-8,153	-5,526	-5,515	-5,161	-2,076	-2,188	-4,719	-7,644	-4,976	-7,143	-5,832
Water Year Types[b]													
Wet (32%)	-9,345	-10,117	-7,398	-5,337	-6,049	-5,970	-2,847	-3,294	-6,993	-7,501	-4,808	-10,831	-6,708
Above Normal (15%)	-8,395	-8,039	-8,575	-4,955	-5,414	-6,449	-1,819	-1,675	-6,033	-9,092	-5,545	-9,530	-6,293
Below Normal (17%)	-8,618	-8,849	-9,008	-5,713	-5,406	-5,761	-1,736	-1,667	-4,295	-8,983	-6,011	-4,774	-5,902
Dry (22%)	-7,721	-7,916	-8,765	-6,111	-5,526	-4,170	-1,718	-1,765	-2,907	-8,058	-6,379	-4,917	-5,496
Critical (15%)	-7,049	-5,845	-7,453	-5,411	-4,566	-2,910	-1,595	-1,545	-1,692	-4,318	-1,459	-2,870	-3,893

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-12-1-13. South Delta Exports, Monthly Delivery Rate

Existing Condition

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	11,044	10,934	11,317	8,932	10,779	9,816	3,240	3,381	9,032	11,595	11,725	11,158	8,711
20%	10,967	10,917	11,235	7,749	9,327	9,134	2,276	2,297	7,236	11,555	11,685	11,137	8,397
30%	10,389	10,903	9,988	6,883	8,257	8,647	2,055	1,847	5,468	11,502	11,669	11,041	8,035
40%	9,581	10,117	9,200	6,799	7,707	7,383	1,842	1,660	5,125	11,426	11,551	10,345	7,633
50%	8,972	9,052	8,500	6,435	6,855	6,604	1,714	1,570	4,469	11,384	11,461	9,891	7,261
60%	7,704	8,374	8,004	6,365	6,598	5,594	1,607	1,500	3,506	11,284	11,350	9,439	6,991
70%	7,180	7,212	7,638	5,905	5,969	4,804	1,500	1,500	3,080	11,076	11,058	9,029	6,612
80%	6,139	6,249	7,096	5,053	4,978	4,513	1,500	1,500	2,787	10,397	8,961	8,218	6,250
90%	4,847	4,660	6,185	4,460	3,823	2,260	1,500	1,500	1,598	8,986	4,363	4,996	4,761
Long Term													
Full Simulation Period[a]	8,389	8,488	8,747	6,627	7,105	6,562	2,076	2,188	4,844	10,650	10,084	9,328	7,091
Water Year Types[b]													
Wet (32%)	9,345	10,117	8,867	7,695	9,241	9,030	2,847	3,294	7,386	11,377	11,461	10,853	8,459
Above Normal (15%)	8,395	8,039	9,033	6,447	7,231	7,913	1,819	1,675	6,033	10,665	11,177	10,304	7,394
Below Normal (17%)	8,618	8,849	9,268	6,281	6,879	6,933	1,736	1,667	4,295	11,188	10,742	9,650	7,175
Dry (22%)	7,721	7,916	8,841	6,286	5,773	4,243	1,718	1,765	2,907	11,061	10,726	8,999	6,496
Critical (15%)	7,049	5,845	7,453	5,411	4,613	2,910	1,595	1,545	1,692	7,815	4,278	5,169	4,615

Alternative 9 (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	8,625	11,280	11,280	5,442	9,845	10,705	5,000	5,000	5,000	11,605	11,780	11,280	7,877
20%	6,964	10,380	11,280	5,149	5,327	5,263	5,000	5,000	5,000	11,605	11,780	10,980	7,279
30%	6,112	7,547	11,029	5,064	5,017	5,000	5,000	4,309	5,000	11,525	11,743	10,147	6,901
40%	5,568	6,605	10,450	5,035	5,000	5,000	5,000	3,500	3,500	11,339	11,517	9,400	6,486
50%	5,297	6,162	8,287	5,006	5,000	4,959	3,500	3,406	3,500	10,895	10,554	7,389	6,181
60%	5,110	5,661	6,235	4,977	4,863	3,616	3,465	3,356	3,422	10,184	9,753	6,435	5,839
70%	4,336	5,107	5,985	4,755	3,591	3,500	2,703	2,425	2,802	8,883	7,581	5,499	5,219
80%	3,882	4,770	5,871	3,608	2,971	2,836	1,500	1,399	1,500	7,716	5,302	4,643	4,772
90%	2,928	4,182	5,817	3,151	2,312	1,500	1,347	1,321	1,251	2,931	2,042	3,770	4,004
Long Term													
Full Simulation Period[a]	5,541	6,793	8,514	5,090	5,207	4,923	3,640	3,497	3,625	9,201	8,702	7,623	6,030
Water Year Types[b]													
Wet (32%)	6,247	7,697	7,958	6,022	7,675	7,658	5,104	5,291	5,514	10,517	11,413	9,340	7,536
Above Normal (15%)	5,098	6,821	8,941	4,461	4,348	5,450	4,702	4,005	4,333	11,260	11,527	9,457	6,700
Below Normal (17%)	5,305	6,926	8,958	4,416	4,509	4,419	3,759	3,102	3,069	10,146	9,875	8,983	6,122
Dry (22%)	5,447	6,346	9,435	4,897	3,870	2,912	2,227	2,340	2,420	8,480	6,274	5,435	5,007
Critical (15%)	4,872	5,320	7,392	4,773	3,539	2,074	1,388	1,301	1,284	4,269	2,275	3,763	3,521

Alternative 9 (LLT) minus Existing Condition

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	-2,418	346	-37	-3,490	-934	889	1,760	1,619	-4,032	10	55	122	-834
20%	-4,003	-537	45	-2,600	-4,000	-3,871	2,724	2,703	-2,236	50	95	-156	-1,119
30%	-4,277	-3,356	1,041	-1,819	-3,239	-3,647	2,945	2,462	-468	23	75	-895	-1,135
40%	-4,013	-3,512	1,250	-1,764	-2,707	-2,383	3,158	1,840	-1,625	-87	-34	-945	-1,147
50%	-3,675	-2,890	-213	-1,429	-1,855	-1,645	1,786	1,836	-969	-489	-907	-2,502	-1,080
60%	-2,594	-2,713	-1,769	-1,388	-1,735	-1,977	1,857	1,856	-84	-1,100	-1,597	-3,005	-1,152
70%	-2,844	-2,105	-1,653	-1,150	-2,379	-1,304	1,203	925	-277	-2,193	-3,477	-3,530	-1,393
80%	-2,257	-1,479	-1,225	-1,445	-2,007	-1,677	0	-101	-1,287	-2,681	-3,659	-3,574	-1,478
90%	-1,919	-478	-368	-1,310	-1,511	-760	-153	-179	-347	-6,055	-2,321	-1,226	-757
Long Term													
Full Simulation Period[a]	-2,848	-1,695	-233	-1,538	-1,898	-1,639	1,564	1,309	-1,218	-1,449	-1,382	-1,705	-1,061
Water Year Types[b]													
Wet (32%)	-3,098	-2,420	-908	-1,672	-1,566	-1,372	2,257	1,996	-1,873	-860	-48	-1,512	-923
Above Normal (15%)	-3,297	-1,218	-92	-1,986	-2,883	-2,463	2,883	2,329	-1,699	595	350	-847	-694
Below Normal (17%)	-3,313	-1,923	-310	-1,865	-2,370	-2,514	2,023	1,436	-1,226	-1,042	-867	-666	-1,053
Dry (22%)	-2,274	-1,570	594	-1,389	-1,903	-1,331	509	575	-487	-2,581	-4,452	-3,564	-1,489
Critical (15%)	-2,178	-525	-61	-638	-1,074	-835	-207	-244	-408	-3,546	-2,003	-1,407	-1,094

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-12-1-14. South Delta Exports, Monthly Delivery Rate

No Action Alternative (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	6,640	11,279	11,704	9,525	10,456	10,469	3,590	3,369	6,155	11,605	11,780	11,280	7,935
20%	6,219	8,289	10,946	7,731	9,231	9,202	2,461	2,449	5,616	11,432	11,780	11,088	7,388
30%	5,768	7,130	10,444	6,857	8,220	8,178	2,230	1,964	5,085	10,849	11,662	9,418	7,012
40%	5,384	6,351	9,062	6,744	7,266	7,202	2,071	1,785	4,094	10,426	11,437	8,956	6,642
50%	5,016	5,641	8,211	6,505	6,643	6,507	1,830	1,691	3,544	9,731	11,059	7,595	6,364
60%	4,613	5,086	7,882	6,179	6,251	5,250	1,712	1,606	2,995	8,818	9,625	6,546	5,963
70%	4,214	4,861	7,250	5,463	5,506	4,566	1,598	1,500	2,392	8,269	7,933	5,615	5,305
80%	3,660	4,478	6,178	4,910	4,377	3,222	1,500	1,500	1,633	5,853	6,558	4,795	4,937
90%	2,554	3,355	4,138	4,493	3,341	2,150	1,359	1,500	1,480	3,663	3,453	4,337	3,942
Long Term													
Full Simulation Period[a]	4,938	6,348	8,358	6,562	6,901	6,406	2,235	2,303	3,934	8,751	9,071	7,681	6,124
Water Year Types[b]													
Wet (32%)	5,748	7,500	9,069	7,939	9,410	9,369	3,016	3,421	6,160	9,779	11,509	8,754	7,639
Above Normal (15%)	4,005	6,686	9,060	6,598	7,184	7,693	2,086	1,894	4,916	8,162	11,688	9,970	6,662
Below Normal (17%)	5,311	6,203	8,827	5,741	6,444	6,421	2,114	1,947	3,386	10,041	9,783	9,276	6,291
Dry (22%)	4,564	5,590	8,578	6,297	5,162	3,890	1,853	1,855	2,098	9,401	7,398	5,709	5,200
Critical (15%)	4,245	4,819	5,237	4,900	4,326	2,454	1,407	1,378	1,522	4,630	2,852	4,162	3,494

Alternative 1A,1B,1C (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	7,224	7,012	11,510	6,768	6,500	4,480	4,994	4,876	3,593	9,607	7,156	6,408	4,750
20%	6,892	6,292	10,857	6,123	5,127	3,505	4,581	4,105	3,344	7,159	5,768	6,033	4,430
30%	6,595	5,922	9,120	4,682	4,154	2,867	4,079	2,881	2,710	6,396	4,759	5,661	4,203
40%	6,365	5,584	8,108	4,263	3,367	2,025	3,273	2,364	1,752	4,781	4,304	5,497	3,983
50%	6,023	5,253	7,367	2,514	1,891	815	2,444	1,926	1,668	4,011	4,005	5,134	3,776
60%	5,141	4,870	6,804	1,567	0	0	2,041	1,681	1,396	3,327	3,562	4,771	3,680
70%	4,338	4,755	5,484	1,134	0	0	1,154	1,106	1,100	2,443	3,234	4,502	3,407
80%	3,653	4,192	4,121	0	0	0	0	490	708	1,624	2,981	3,805	2,964
90%	2,671	2,798	1,780	0	0	0	0	0	233	885	2,251	2,074	2,597
Long Term													
Full Simulation Period[a]	5,360	5,153	7,127	3,047	2,458	1,659	2,520	2,242	1,917	4,707	4,477	4,781	3,787
Water Year Types[b]													
Wet (32%)	5,726	5,359	5,767	1,299	172	386	1,596	1,685	2,015	6,357	4,986	5,417	3,397
Above Normal (15%)	5,116	5,238	7,487	3,006	1,460	574	2,308	3,047	3,353	4,792	5,912	5,794	4,007
Below Normal (17%)	5,378	5,904	7,887	4,504	2,759	2,675	4,254	3,431	1,966	4,962	4,415	5,145	4,440
Dry (22%)	5,434	4,876	8,430	4,826	4,846	3,049	3,177	2,250	1,337	3,899	4,177	4,464	4,230
Critical (15%)	4,676	4,157	6,875	2,508	4,474	2,231	1,722	1,243	1,080	1,963	2,458	2,444	2,986

Alternative 1A,1B,1C (LLT) minus No Action Alternative (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	584	-4,267	-194	-2,757	-3,956	-5,989	1,404	1,506	-2,562	-1,998	-4,624	-4,872	-3,185
20%	673	-1,998	-89	-1,607	-4,104	-5,697	2,121	1,656	-2,272	-4,273	-6,012	-5,055	-2,959
30%	827	-1,208	-1,325	-2,174	-4,066	-5,311	1,850	917	-2,375	-4,453	-6,903	-3,757	-2,809
40%	981	-767	-954	-2,482	-3,899	-5,177	1,202	579	-2,343	-5,645	-7,133	-3,459	-2,659
50%	1,007	-388	-844	-3,991	-4,752	-5,692	614	235	-1,876	-5,720	-7,055	-2,461	-2,588
60%	528	-217	-1,078	-4,613	-6,251	-5,250	329	75	-1,599	-5,490	-6,064	-1,775	-2,284
70%	124	-106	-1,766	-4,330	-5,506	-4,566	-444	-394	-1,292	-5,826	-4,699	-1,114	-1,899
80%	-6	-286	-2,057	-4,910	-4,377	-3,222	-1,500	-1,010	-925	-4,230	-3,577	-990	-1,972
90%	118	-557	-2,358	-4,493	-3,341	-2,150	-1,359	-1,500	-1,247	-2,778	-1,202	-2,263	-1,346
Long Term													
Full Simulation Period[a]	421	-1,195	-1,231	-3,515	-4,444	-4,747	285	-61	-2,017	-4,043	-4,594	-2,899	-2,337
Water Year Types[b]													
Wet (32%)	-22	-2,141	-3,302	-6,640	-9,238	-8,982	-1,419	-1,736	-4,145	-3,421	-6,523	-3,337	-4,242
Above Normal (15%)	1,112	-1,448	-1,573	-3,592	-5,723	-7,119	223	1,153	-1,564	-3,370	-5,775	-4,176	-2,654
Below Normal (17%)	67	-299	-940	-1,236	-3,685	-3,746	2,139	1,484	-1,420	-5,080	-5,368	-4,131	-1,851
Dry (22%)	870	-714	-149	-1,471	-317	-842	1,324	395	-761	-5,502	-3,221	-1,245	-969
Critical (15%)	431	-662	1,638	-2,392	148	-223	316	-135	-441	-2,668	-394	-1,718	-508

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-12-1-15. South Delta Exports, Monthly Delivery Rate

No Action Alternative (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	6,640	11,279	11,704	9,525	10,456	10,469	3,590	3,369	6,155	11,605	11,780	11,280	7,935
20%	6,219	8,289	10,946	7,731	9,231	9,202	2,461	2,449	5,616	11,432	11,780	11,088	7,388
30%	5,768	7,130	10,444	6,857	8,220	8,178	2,230	1,964	5,085	10,849	11,662	9,418	7,012
40%	5,384	6,351	9,062	6,744	7,266	7,202	2,071	1,785	4,094	10,426	11,437	8,956	6,642
50%	5,016	5,641	8,211	6,505	6,643	6,507	1,830	1,691	3,544	9,731	11,059	7,595	6,364
60%	4,613	5,086	7,882	6,179	6,251	5,250	1,712	1,606	2,995	8,818	9,625	6,546	5,963
70%	4,214	4,861	7,250	5,463	5,506	4,566	1,598	1,500	2,392	8,269	7,933	5,615	5,305
80%	3,660	4,478	6,178	4,910	4,377	3,222	1,500	1,500	1,633	5,853	6,558	4,795	4,937
90%	2,554	3,355	4,138	4,493	3,341	2,150	1,359	1,500	1,480	3,663	3,453	4,337	3,942
Long Term													
Full Simulation Period[a]	4,938	6,348	8,358	6,562	6,901	6,406	2,235	2,303	3,934	8,751	9,071	7,681	6,124
Water Year Types[b]													
Wet (32%)	5,748	7,500	9,069	7,939	9,410	9,369	3,016	3,421	6,160	9,779	11,509	8,754	7,639
Above Normal (15%)	4,005	6,686	9,060	6,598	7,184	7,693	2,086	1,894	4,916	8,162	11,688	9,970	6,662
Below Normal (17%)	5,311	6,203	8,827	5,741	6,444	6,421	2,114	1,947	3,386	10,041	9,783	9,276	6,291
Dry (22%)	4,564	5,590	8,578	6,297	5,162	3,890	1,853	1,855	2,098	9,401	7,398	5,709	5,200
Critical (15%)	4,245	4,819	5,237	4,900	4,326	2,454	1,407	1,378	1,522	4,630	2,852	4,162	3,494

Alternative 2A,2B,2C (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	2,803	5,964	9,624	5,387	5,054	4,247	2,533	1,745	3,503	10,048	8,217	5,747	4,009
20%	2,753	5,517	9,365	4,608	4,834	3,728	1,925	1,569	3,351	8,655	6,491	5,179	3,555
30%	2,722	4,951	7,818	4,182	3,812	2,969	1,617	1,406	2,157	7,369	5,560	4,776	3,373
40%	2,667	4,768	7,063	3,274	2,831	1,890	1,479	1,312	1,723	6,403	5,034	4,263	3,104
50%	2,565	4,328	6,846	1,578	1,566	1,567	1,300	1,196	1,674	5,345	4,524	1,795	2,921
60%	2,075	189	6,277	1,566	0	649	1,156	1,047	1,611	4,627	3,988	356	2,741
70%	1,247	0	5,827	1,453	0	0	903	934	1,344	3,547	3,739	0	2,441
80%	579	0	5,034	38	0	0	0	501	1,063	2,419	3,200	0	2,052
90%	0	0	3,013	0	0	0	0	0	348	1,214	2,511	0	1,852
Long Term													
Full Simulation Period[a]	1,891	2,953	6,562	2,510	2,139	1,775	1,220	1,095	1,884	5,687	4,969	2,560	2,937
Water Year Types[b]													
Wet (32%)	1,787	2,491	5,504	1,263	56	489	512	661	2,058	6,681	5,283	87	2,239
Above Normal (15%)	1,841	2,880	6,948	1,927	1,217	598	898	813	2,570	6,900	6,280	1,252	2,844
Below Normal (17%)	1,507	3,216	7,748	3,429	3,322	3,270	1,892	1,521	2,075	7,117	5,939	5,537	3,881
Dry (22%)	2,180	3,062	7,298	3,675	3,908	3,062	1,814	1,562	1,396	4,734	4,296	4,793	3,482
Critical (15%)	2,179	3,556	5,985	2,974	3,545	2,062	1,401	1,120	1,333	2,084	2,857	2,403	2,625

Alternative 2A,2B,2C (LLT) minus No Action Alternative (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	-3,836	-5,314	-2,080	-4,138	-5,402	-6,223	-1,057	-1,624	-2,652	-1,557	-3,563	-5,533	-3,926
20%	-3,465	-2,772	-1,581	-3,123	-4,396	-5,474	-536	-880	-2,265	-2,777	-5,289	-5,909	-3,833
30%	-3,047	-2,178	-2,627	-2,674	-4,408	-5,209	-613	-558	-2,928	-3,480	-6,102	-4,642	-3,639
40%	-2,717	-1,583	-1,999	-3,470	-4,435	-5,311	-592	-474	-2,371	-4,022	-6,403	-4,693	-3,538
50%	-2,451	-1,313	-1,365	-4,927	-5,078	-4,940	-530	-494	-1,869	-4,386	-6,536	-5,800	-3,443
60%	-2,538	-4,897	-1,605	-4,613	-6,251	-4,600	-555	-559	-1,384	-4,191	-5,637	-6,190	-3,223
70%	-2,967	-4,861	-1,424	-4,010	-5,506	-4,566	-694	-566	-1,048	-4,722	-4,194	-5,615	-2,864
80%	-3,081	-4,478	-1,144	-4,873	-4,377	-3,222	-1,500	-999	-570	-3,434	-3,358	-4,795	-2,884
90%	-2,554	-3,355	-1,125	-4,493	-3,341	-2,150	-1,359	-1,500	-1,132	-2,448	-943	-4,337	-2,091
Long Term													
Full Simulation Period[a]	-3,048	-3,395	-1,796	-4,053	-4,762	-4,631	-1,015	-1,208	-2,050	-3,064	-4,102	-5,121	-3,187
Water Year Types[b]													
Wet (32%)	-3,961	-5,010	-3,566	-6,676	-9,354	-8,879	-2,504	-2,760	-4,102	-3,098	-6,226	-8,667	-5,400
Above Normal (15%)	-2,163	-3,806	-2,112	-4,671	-5,967	-7,095	-1,188	-1,081	-2,346	-1,262	-5,407	-8,718	-3,818
Below Normal (17%)	-3,803	-2,987	-1,079	-2,312	-3,122	-3,151	-223	-425	-1,311	-2,924	-3,844	-3,739	-2,410
Dry (22%)	-2,384	-2,528	-1,281	-2,623	-1,255	-829	-39	-293	-702	-4,667	-3,102	-916	-1,718
Critical (15%)	-2,066	-1,264	748	-1,925	-780	-392	-6	-258	-189	-2,547	4	-1,759	-870

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-12-1-16. South Delta Exports, Monthly Delivery Rate

No Action Alternative (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**AVG**
Probability of Exceedance													
10%	6,640	11,279	11,704	9,525	10,456	10,469	3,590	3,369	6,155	11,605	11,780	11,280	7,935
20%	6,219	8,289	10,946	7,731	9,231	9,202	2,461	2,449	5,616	11,432	11,780	11,088	7,388
30%	5,768	7,130	10,444	6,857	8,220	8,178	2,230	1,964	5,085	10,849	11,662	9,418	7,012
40%	5,384	6,351	9,062	6,744	7,266	7,202	2,071	1,785	4,094	10,426	11,437	8,956	6,642
50%	5,016	5,641	8,211	6,505	6,643	6,507	1,830	1,691	3,544	9,731	11,059	7,595	6,364
60%	4,613	5,086	7,882	6,179	6,251	5,250	1,712	1,606	2,995	8,818	9,625	6,546	5,963
70%	4,214	4,861	7,250	5,463	5,506	4,566	1,598	1,500	2,392	8,269	7,933	5,615	5,305
80%	3,660	4,478	6,178	4,910	4,377	3,222	1,500	1,500	1,633	5,853	6,558	4,795	4,937
90%	2,554	3,355	4,138	4,493	3,341	2,150	1,359	1,500	1,480	3,663	3,453	4,337	3,942
Long Term													
Full Simulation Period[a]	4,938	6,348	8,358	6,562	6,901	6,406	2,235	2,303	3,934	8,751	9,071	7,681	6,124
Water Year Types[b]													
Wet (32%)	5,748	7,500	9,069	7,939	9,410	9,369	3,016	3,421	6,160	9,779	11,509	8,754	7,639
Above Normal (15%)	4,005	6,686	9,060	6,598	7,184	7,693	2,086	1,894	4,916	8,162	11,688	9,970	6,662
Below Normal (17%)	5,311	6,203	8,827	5,741	6,444	6,421	2,114	1,947	3,386	10,041	9,783	9,276	6,291
Dry (22%)	4,564	5,590	8,578	6,297	5,162	3,890	1,853	1,855	2,098	9,401	7,398	5,709	5,200
Critical (15%)	4,245	4,819	5,237	4,900	4,326	2,454	1,407	1,378	1,522	4,630	2,852	4,162	3,494

Alternative 3 (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**AVG**
Probability of Exceedance													
10%	7,277	8,516	11,140	7,183	8,064	5,648	6,121	6,121	6,074	10,780	7,670	6,700	6,246
20%	6,909	6,995	10,807	6,945	6,772	5,183	5,757	5,244	3,973	8,457	6,141	5,963	5,821
30%	6,529	6,379	9,625	6,553	6,598	4,603	5,522	4,750	3,450	7,141	4,968	5,644	5,505
40%	6,108	5,947	8,569	6,122	5,718	4,438	4,747	4,452	3,161	5,568	4,378	5,321	5,233
50%	5,699	5,613	8,105	5,075	5,147	3,889	4,264	3,513	2,305	4,730	4,042	5,028	4,973
60%	5,175	5,345	7,443	4,676	3,959	3,446	3,927	2,572	1,405	3,378	3,601	4,795	4,511
70%	4,454	5,092	6,979	4,123	3,400	3,134	3,091	2,199	1,274	2,670	3,261	4,569	4,293
80%	3,443	4,740	5,833	2,969	2,845	2,454	2,466	1,773	898	1,523	2,868	4,057	3,892
90%	2,685	3,845	3,908	1,922	1,181	1,347	1,899	1,203	473	820	2,171	3,113	3,196
Long Term													
Full Simulation Period[a]	5,301	5,888	7,995	5,022	4,799	3,839	4,164	3,530	2,734	5,125	4,630	5,009	4,836
Water Year Types[b]													
Wet (32%)	5,807	6,857	7,850	5,645	4,626	3,682	5,166	4,663	4,290	6,558	5,179	5,964	5,524
Above Normal (15%)	5,050	5,898	7,979	5,386	5,186	5,251	5,129	4,537	4,347	5,249	6,122	6,115	5,521
Below Normal (17%)	5,414	6,024	8,358	5,789	5,110	4,308	4,963	3,888	2,027	6,077	5,082	5,086	5,177
Dry (22%)	5,306	5,593	8,573	4,965	5,018	3,644	3,070	2,439	1,105	4,109	3,890	4,424	4,345
Critical (15%)	4,313	4,064	7,033	2,500	4,099	2,510	1,736	1,285	1,018	2,310	2,530	2,622	3,002

Alternative 3 (LLT) minus No Action Alternative (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**AVG**
Probability of Exceedance													
10%	637	**-2,763**	**-564**	**-2,342**	**-2,393**	**-4,822**	2,531	2,752	**-82**	**-825**	**-4,110**	**-4,580**	**-1,689**
20%	691	**-1,294**	**-139**	**-786**	**-2,458**	**-4,019**	3,296	2,795	**-1,643**	**-2,975**	**-5,639**	**-5,126**	**-1,567**
30%	760	**-750**	**-820**	**-303**	**-1,622**	**-3,575**	3,292	2,786	**-1,635**	**-3,708**	**-6,694**	**-3,775**	**-1,507**
40%	724	**-403**	**-493**	**-622**	**-1,547**	**-2,764**	2,676	2,667	**-933**	**-4,858**	**-7,059**	**-3,635**	**-1,409**
50%	684	**-27**	**-106**	**-1,430**	**-1,496**	**-2,618**	2,434	1,822	**-1,239**	**-5,001**	**-7,017**	**-2,566**	**-1,392**
60%	562	258	**-439**	**-1,503**	**-2,292**	**-1,803**	2,215	966	**-1,590**	**-5,440**	**-6,024**	**-1,751**	**-1,453**
70%	240	232	**-271**	**-1,340**	**-2,106**	**-1,431**	1,493	699	**-1,117**	**-5,599**	**-4,672**	**-1,046**	**-1,012**
80%	**-216**	262	**-345**	**-1,942**	**-1,532**	**-768**	966	273	**-735**	**-4,330**	**-3,690**	**-738**	**-1,045**
90%	131	489	**-231**	**-2,570**	**-2,160**	**-802**	540	**-297**	**-1,007**	**-2,843**	**-1,282**	**-1,224**	**-746**
Long Term													
Full Simulation Period[a]	362	**-460**	**-363**	**-1,540**	**-2,102**	**-2,567**	1,929	1,227	**-1,200**	**-3,626**	**-4,441**	**-2,671**	**-1,288**
Water Year Types[b]													
Wet (32%)	59	**-644**	**-1,219**	**-2,294**	**-4,783**	**-5,687**	2,151	1,242	**-1,870**	**-3,221**	**-6,330**	**-2,790**	**-2,115**
Above Normal (15%)	1,045	**-788**	**-1,081**	**-1,212**	**-1,998**	**-2,442**	3,044	2,643	**-569**	**-2,913**	**-5,565**	**-3,855**	**-1,141**
Below Normal (17%)	104	**-179**	**-470**	49	**-1,334**	**-2,114**	2,849	1,942	**-1,360**	**-3,965**	**-4,701**	**-4,190**	**-1,114**
Dry (22%)	743	3	**-6**	**-1,332**	**-144**	**-246**	1,217	584	**-993**	**-5,292**	**-3,508**	**-1,285**	**-855**
Critical (15%)	68	**-756**	1,796	**-2,400**	**-227**	55	330	**-93**	**-504**	**-2,320**	**-322**	**-1,540**	**-493**

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-12-1-17. South Delta Exports, Monthly Delivery Rate

No Action Alternative (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**AVG**
Probability of Exceedance													
10%	6,640	11,279	11,704	9,525	10,456	10,469	3,590	3,369	6,155	11,605	11,780	11,280	7,935
20%	6,219	8,289	10,946	7,731	9,231	9,202	2,461	2,449	5,616	11,432	11,780	11,088	7,388
30%	5,768	7,130	10,444	6,857	8,220	8,178	2,230	1,964	5,085	10,849	11,662	9,418	7,012
40%	5,384	6,351	9,062	6,744	7,266	7,202	2,071	1,785	4,094	10,426	11,437	8,956	6,642
50%	5,016	5,641	8,211	6,505	6,643	6,507	1,830	1,691	3,544	9,731	11,059	7,595	6,364
60%	4,613	5,086	7,882	6,179	6,251	5,250	1,712	1,606	2,995	8,818	9,625	6,546	5,963
70%	4,214	4,861	7,250	5,463	5,506	4,566	1,598	1,500	2,392	8,269	7,933	5,615	5,305
80%	3,660	4,478	6,178	4,910	4,377	3,222	1,500	1,500	1,633	5,853	6,558	4,795	4,937
90%	2,554	3,355	4,138	4,493	3,341	2,150	1,359	1,500	1,480	3,663	3,453	4,337	3,942
Long Term													
Full Simulation Period[a]	4,938	6,348	8,358	6,562	6,901	6,406	2,235	2,303	3,934	8,751	9,071	7,681	6,124
Water Year Types[b]													
Wet (32%)	5,748	7,500	9,069	7,939	9,410	9,369	3,016	3,421	6,160	9,779	11,509	8,754	7,639
Above Normal (15%)	4,005	6,686	9,060	6,598	7,184	7,693	2,086	1,894	4,916	8,162	11,688	9,970	6,662
Below Normal (17%)	5,311	6,203	8,827	5,741	6,444	6,421	2,114	1,947	3,386	10,041	9,783	9,276	6,291
Dry (22%)	4,564	5,590	8,578	6,297	5,162	3,890	1,853	1,855	2,098	9,401	7,398	5,709	5,200
Critical (15%)	4,245	4,819	5,237	4,900	4,326	2,454	1,407	1,378	1,522	4,630	2,852	4,162	3,494

Alternative 4 H1 (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**AVG**
Probability of Exceedance													
10%	2,892	6,317	9,509	5,899	5,538	4,512	2,755	2,125	3,517	12,186	8,917	6,858	4,860
20%	2,847	6,233	8,687	5,523	5,195	4,107	2,054	1,649	3,301	10,288	7,091	6,073	4,468
30%	2,823	6,100	7,813	5,063	4,958	3,724	1,728	1,540	3,064	9,702	6,012	5,730	4,189
40%	2,787	5,917	7,165	4,506	4,452	2,960	1,594	1,436	2,135	7,718	5,111	5,552	3,997
50%	2,753	5,618	6,902	4,319	3,549	2,247	1,496	1,353	1,674	6,269	4,464	5,346	3,854
60%	2,723	5,247	6,355	3,340	2,749	1,672	1,376	1,252	1,661	4,814	4,009	5,024	3,705
70%	2,656	4,839	6,080	2,204	1,990	1,568	1,218	1,074	1,437	3,407	3,727	4,607	3,509
80%	2,565	4,644	5,428	1,566	1,482	981	1,103	957	1,218	2,079	3,358	4,209	3,344
90%	2,219	3,789	3,901	1,460	595	598	924	746	1,031	1,288	2,820	2,822	2,744
Long Term													
Full Simulation Period[a]	2,625	5,274	6,662	3,719	3,387	2,522	1,585	1,370	2,112	6,520	5,319	5,071	3,847
Water Year Types[b]													
Wet (32%)	2,820	5,336	6,195	3,615	2,406	1,669	1,437	1,266	2,584	8,096	5,613	5,528	3,880
Above Normal (15%)	2,627	5,306	6,930	3,767	3,352	1,947	1,650	1,290	2,750	8,245	6,961	6,293	4,260
Below Normal (17%)	2,470	5,745	7,732	3,788	4,370	4,082	1,770	1,579	2,151	7,292	6,220	5,179	4,365
Dry (22%)	2,627	5,264	6,990	3,904	3,908	3,184	1,768	1,590	1,562	5,764	4,736	4,978	3,856
Critical (15%)	2,381	4,573	5,662	3,537	3,617	2,133	1,354	1,098	1,233	1,615	2,865	2,875	2,745

Alternative 4 H1 (LLT) minus No Action Alternative (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**AVG**
Probability of Exceedance													
10%	**-3,748**	**-4,961**	**-2,195**	**-3,626**	**-4,918**	**-5,957**	**-835**	**-1,245**	**-2,639**	581	**-2,863**	**-4,422**	**-3,076**
20%	**-3,372**	**-2,056**	**-2,260**	**-2,207**	**-4,036**	**-5,095**	**-407**	**-800**	**-2,315**	**-1,143**	**-4,689**	**-5,016**	**-2,920**
30%	**-2,945**	**-1,030**	**-2,631**	**-1,794**	**-3,262**	**-4,454**	**-502**	**-424**	**-2,021**	**-1,148**	**-5,650**	**-3,689**	**-2,824**
40%	**-2,597**	**-434**	**-1,897**	**-2,239**	**-2,814**	**-4,242**	**-477**	**-350**	**-1,959**	**-2,708**	**-6,326**	**-3,405**	**-2,645**
50%	**-2,263**	**-23**	**-1,309**	**-2,187**	**-3,095**	**-4,260**	**-334**	**-338**	**-1,869**	**-3,461**	**-6,596**	**-2,249**	**-2,510**
60%	**-1,890**	160	**-1,527**	**-2,839**	**-3,502**	**-3,577**	**-335**	**-354**	**-1,334**	**-4,004**	**-5,616**	**-1,522**	**-2,258**
70%	**-1,558**	**-22**	**-1,170**	**-3,259**	**-3,516**	**-2,998**	**-380**	**-426**	**-955**	**-4,862**	**-4,205**	**-1,008**	**-1,796**
80%	**-1,095**	166	**-750**	**-3,345**	**-2,895**	**-2,241**	**-397**	**-543**	**-415**	**-3,774**	**-3,200**	**-587**	**-1,592**
90%	**-334**	434	**-237**	**-3,033**	**-2,746**	**-1,552**	**-435**	**-754**	**-449**	**-2,375**	**-634**	**-1,515**	**-1,199**
Long Term													
Full Simulation Period[a]	**-2,313**	**-1,074**	**-1,696**	**-2,843**	**-3,515**	**-3,884**	**-649**	**-933**	**-1,822**	**-2,231**	**-3,752**	**-2,609**	**-2,277**
Water Year Types[b]													
Wet (32%)	**-2,928**	**-2,164**	**-2,875**	**-4,324**	**-7,003**	**-7,699**	**-1,579**	**-2,155**	**-3,576**	**-1,683**	**-5,896**	**-3,226**	**-3,759**
Above Normal (15%)	**-1,378**	**-1,380**	**-2,130**	**-2,830**	**-3,832**	**-5,747**	**-435**	**-604**	**-2,167**	82	**-4,726**	**-3,676**	**-2,402**
Below Normal (17%)	**-2,841**	**-459**	**-1,095**	**-1,952**	**-2,074**	**-2,340**	**-344**	**-367**	**-1,236**	**-2,749**	**-3,563**	**-4,097**	**-1,927**
Dry (22%)	**-1,936**	**-326**	**-1,588**	**-2,393**	**-1,254**	**-706**	**-85**	**-264**	**-536**	**-3,637**	**-2,662**	**-731**	**-1,343**
Critical (15%)	**-1,864**	**-247**	425	**-1,363**	**-709**	**-321**	**-52**	**-280**	**-289**	**-3,016**	13	**-1,287**	**-749**

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-12-1-18. South Delta Exports, Monthly Delivery Rate

No Action Alternative (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**AVG**
Probability of Exceedance													
10%	6,640	11,279	11,704	9,525	10,456	10,469	3,590	3,369	6,155	11,605	11,780	11,280	7,935
20%	6,219	8,289	10,946	7,731	9,231	9,202	2,461	2,449	5,616	11,432	11,780	11,088	7,388
30%	5,768	7,130	10,444	6,857	8,220	8,178	2,230	1,964	5,085	10,849	11,662	9,418	7,012
40%	5,384	6,351	9,062	6,744	7,266	7,202	2,071	1,785	4,094	10,426	11,437	8,956	6,642
50%	5,016	5,641	8,211	6,505	6,643	6,507	1,830	1,691	3,544	9,731	11,059	7,595	6,364
60%	4,613	5,086	7,882	6,179	6,251	5,250	1,712	1,606	2,995	8,818	9,625	6,546	5,963
70%	4,214	4,861	7,250	5,463	5,506	4,566	1,598	1,500	2,392	8,269	7,933	5,615	5,305
80%	3,660	4,478	6,178	4,910	4,377	3,222	1,500	1,500	1,633	5,853	6,558	4,795	4,937
90%	2,554	3,355	4,138	4,493	3,341	2,150	1,359	1,500	1,480	3,663	3,453	4,337	3,942
Long Term													
Full Simulation Period[a]	4,938	6,348	8,358	6,562	6,901	6,406	2,235	2,303	3,934	8,751	9,071	7,681	6,124
Water Year Types[b]													
Wet (32%)	5,748	7,500	9,069	7,939	9,410	9,369	3,016	3,421	6,160	9,779	11,509	8,754	7,639
Above Normal (15%)	4,005	6,686	9,060	6,598	7,184	7,693	2,086	1,894	4,916	8,162	11,688	9,970	6,662
Below Normal (17%)	5,311	6,203	8,827	5,741	6,444	6,421	2,114	1,947	3,386	10,041	9,783	9,276	6,291
Dry (22%)	4,564	5,590	8,578	6,297	5,162	3,890	1,853	1,855	2,098	9,401	7,398	5,709	5,200
Critical (15%)	4,245	4,819	5,237	4,900	4,326	2,454	1,407	1,378	1,522	4,630	2,852	4,162	3,494

Alternative 4 H2 (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**AVG**
Probability of Exceedance													
10%	2,892	6,274	9,016	5,860	5,535	3,914	1,722	1,648	2,944	9,849	8,404	6,969	4,360
20%	2,850	6,201	8,085	5,510	5,079	2,874	1,500	1,498	2,060	8,627	7,682	6,440	4,035
30%	2,824	5,929	7,284	5,123	4,899	2,270	1,335	1,409	1,675	7,762	7,143	5,965	3,890
40%	2,784	5,545	6,942	4,825	4,244	1,567	1,093	1,270	1,511	6,433	6,469	5,713	3,715
50%	2,749	5,279	6,622	4,392	3,191	980	891	992	1,129	5,318	5,533	5,413	3,585
60%	2,706	5,109	6,236	3,532	2,425	724	741	829	501	4,373	4,841	5,277	3,495
70%	2,674	4,824	5,657	2,101	1,967	58	441	597	204	2,663	4,007	4,936	3,305
80%	2,584	4,528	5,217	1,557	1,458	0	3	90	18	2,079	3,460	4,488	3,020
90%	2,171	4,132	4,063	1,454	221	0	0	0	0	950	2,778	2,703	2,523
Long Term													
Full Simulation Period[a]	2,639	5,200	6,415	3,767	3,251	1,523	930	998	1,226	5,523	5,656	5,210	3,528
Water Year Types[b]													
Wet (32%)	2,768	5,415	6,351	3,741	2,195	836	958	969	1,109	6,309	5,638	5,514	3,484
Above Normal (15%)	2,613	5,115	6,727	4,111	3,085	1,433	712	672	1,289	4,795	6,882	6,203	3,636
Below Normal (17%)	2,416	5,339	7,111	3,768	4,342	1,964	896	963	1,499	6,856	6,961	5,946	4,005
Dry (22%)	2,743	5,112	6,592	3,770	3,854	2,032	958	1,331	1,337	6,150	5,605	5,236	3,727
Critical (15%)	2,491	4,791	5,166	3,473	3,527	1,827	1,087	925	934	2,054	3,020	2,659	2,663

Alternative 4 H2 (LLT) minus No Action Alternative (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**AVG**
Probability of Exceedance													
10%	**-3,748**	**-5,004**	**-2,688**	**-3,665**	**-4,921**	**-6,555**	**-1,868**	**-1,721**	**-3,211**	**-1,755**	**-3,376**	**-4,311**	**-3,576**
20%	**-3,369**	**-2,088**	**-2,862**	**-2,220**	**-4,152**	**-6,328**	**-961**	**-951**	**-3,556**	**-2,805**	**-4,098**	**-4,648**	**-3,353**
30%	**-2,944**	**-1,201**	**-3,161**	**-1,733**	**-3,321**	**-5,909**	**-894**	**-555**	**-3,410**	**-3,087**	**-4,519**	**-3,453**	**-3,122**
40%	**-2,600**	**-805**	**-2,121**	**-1,920**	**-3,022**	**-5,634**	**-978**	**-516**	**-2,584**	**-3,992**	**-4,968**	**-3,243**	**-2,927**
50%	**-2,267**	**-361**	**-1,589**	**-2,113**	**-3,452**	**-5,527**	**-939**	**-698**	**-2,415**	**-4,413**	**-5,527**	**-2,181**	**-2,779**
60%	**-1,908**	23	**-1,646**	**-2,647**	**-3,826**	**-4,526**	**-970**	**-777**	**-2,494**	**-4,445**	**-4,784**	**-1,269**	**-2,469**
70%	**-1,540**	**-37**	**-1,594**	**-3,362**	**-3,540**	**-4,508**	**-1,157**	**-903**	**-2,188**	**-5,606**	**-3,926**	**-680**	**-2,000**
80%	**-1,075**	50	**-961**	**-3,354**	**-2,919**	**-3,222**	**-1,497**	**-1,410**	**-1,615**	**-3,775**	**-3,098**	**-308**	**-1,917**
90%	**-382**	777	**-75**	**-3,039**	**-3,120**	**-2,150**	**-1,359**	**-1,500**	**-1,480**	**-2,713**	**-675**	**-1,634**	**-1,419**
Long Term													
Full Simulation Period[a]	**-2,299**	**-1,148**	**-1,943**	**-2,795**	**-3,650**	**-4,883**	**-1,305**	**-1,305**	**-2,708**	**-3,227**	**-3,416**	**-2,471**	**-2,596**
Water Year Types[b]													
Wet (32%)	**-2,980**	**-2,085**	**-2,718**	**-4,198**	**-7,215**	**-8,533**	**-2,058**	**-2,452**	**-5,051**	**-3,470**	**-5,871**	**-3,240**	**-4,156**
Above Normal (15%)	**-1,392**	**-1,571**	**-2,333**	**-2,487**	**-4,099**	**-6,261**	**-1,374**	**-1,222**	**-3,627**	**-3,367**	**-4,805**	**-3,767**	**-3,025**
Below Normal (17%)	**-2,895**	**-864**	**-1,716**	**-1,972**	**-2,102**	**-4,458**	**-1,218**	**-983**	**-1,888**	**-3,186**	**-2,822**	**-3,330**	**-2,286**
Dry (22%)	**-1,821**	**-478**	**-1,987**	**-2,527**	**-1,308**	**-1,858**	**-895**	**-524**	**-761**	**-3,251**	**-1,793**	**-473**	**-1,473**
Critical (15%)	**-1,753**	**-28**	**-71**	**-1,427**	**-799**	**-627**	**-319**	**-452**	**-588**	**-2,576**	168	**-1,503**	**-831**

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-12-1-19. South Delta Exports, Monthly Delivery Rate

No Action Alternative (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	6,640	11,279	11,704	9,525	10,456	10,469	3,590	3,369	6,155	11,605	11,780	11,280	7,935
20%	6,219	8,289	10,946	7,731	9,231	9,202	2,461	2,449	5,616	11,432	11,780	11,088	7,388
30%	5,768	7,130	10,444	6,857	8,220	8,178	2,230	1,964	5,085	10,849	11,662	9,418	7,012
40%	5,384	6,351	9,062	6,744	7,266	7,202	2,071	1,785	4,094	10,426	11,437	8,956	6,642
50%	5,016	5,641	8,211	6,505	6,643	6,507	1,830	1,691	3,544	9,731	11,059	7,595	6,364
60%	4,613	5,086	7,882	6,179	6,251	5,250	1,712	1,606	2,995	8,818	9,625	6,546	5,963
70%	4,214	4,861	7,250	5,463	5,506	4,566	1,598	1,500	2,392	8,269	7,933	5,615	5,305
80%	3,660	4,478	6,178	4,910	4,377	3,222	1,500	1,500	1,633	5,853	6,558	4,795	4,937
90%	2,554	3,355	4,138	4,493	3,341	2,150	1,359	1,500	1,480	3,663	3,453	4,337	3,942
Long Term													
Full Simulation Period[a]	4,938	6,348	8,358	6,562	6,901	6,406	2,235	2,303	3,934	8,751	9,071	7,681	6,124
Water Year Types[b]													
Wet (32%)	5,748	7,500	9,069	7,939	9,410	9,369	3,016	3,421	6,160	9,779	11,509	8,754	7,639
Above Normal (15%)	4,005	6,686	9,060	6,598	7,184	7,693	2,086	1,894	4,916	8,162	11,688	9,970	6,662
Below Normal (17%)	5,311	6,203	8,827	5,741	6,444	6,421	2,114	1,947	3,386	10,041	9,783	9,276	6,291
Dry (22%)	4,564	5,590	8,578	6,297	5,162	3,890	1,853	1,855	2,098	9,401	7,398	5,709	5,200
Critical (15%)	4,245	4,819	5,237	4,900	4,326	2,454	1,407	1,378	1,522	4,630	2,852	4,162	3,494

Alternative 4 H3 (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	2,790	6,054	9,670	5,907	5,533	4,696	2,749	2,105	3,575	11,735	10,022	5,685	4,386
20%	2,749	5,689	9,473	5,525	5,404	4,188	2,373	1,649	3,360	10,543	7,850	5,181	4,031
30%	2,712	5,098	8,320	5,193	5,039	3,713	1,728	1,569	3,095	9,191	5,978	4,633	3,713
40%	2,632	4,780	7,217	4,595	4,752	2,848	1,627	1,431	2,085	7,547	5,357	3,770	3,544
50%	2,541	4,328	6,862	4,256	3,618	2,493	1,545	1,366	1,680	6,109	4,864	2,275	3,399
60%	2,097	1,975	6,509	2,849	2,836	1,818	1,437	1,241	1,674	4,838	4,254	338	3,280
70%	1,014	0	6,106	2,031	2,420	1,575	1,261	1,072	1,616	3,961	3,780	98	3,112
80%	499	0	5,345	1,566	1,785	1,391	1,104	946	1,411	2,393	3,455	0	2,866
90%	12	0	3,213	1,566	1,131	601	924	748	1,044	1,277	2,880	0	2,652
Long Term													
Full Simulation Period[a]	1,883	3,098	6,854	3,665	3,549	2,645	1,621	1,361	2,161	6,513	5,477	2,620	3,454
Water Year Types[b]													
Wet (32%)	1,854	2,717	6,585	3,695	2,845	2,086	1,465	1,274	2,674	8,289	6,155	199	3,320
Above Normal (15%)	1,827	2,880	7,220	3,623	3,373	1,955	1,637	1,388	2,754	8,308	6,917	1,253	3,594
Below Normal (17%)	1,532	3,066	7,726	3,842	4,362	4,239	1,944	1,513	2,204	7,689	6,584	5,599	4,192
Dry (22%)	2,133	3,385	7,007	3,721	3,951	3,081	1,778	1,519	1,607	4,967	4,517	4,805	3,539
Critical (15%)	2,034	3,746	5,824	3,354	3,703	2,036	1,333	1,109	1,235	1,819	2,719	2,480	2,616

Alternative 4 H3 (LLT) minus No Action Alternative (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	-3,849	-5,225	-2,034	-3,618	-4,924	-5,773	-841	-1,264	-2,580	130	-1,758	-5,595	-3,550
20%	-3,469	-2,600	-1,474	-2,205	-3,827	-5,014	-88	-800	-2,256	-889	-3,930	-5,907	-3,358
30%	-3,056	-2,031	-2,125	-1,663	-3,180	-4,466	-502	-395	-1,990	-1,659	-5,684	-4,786	-3,299
40%	-2,752	-1,571	-1,845	-2,149	-2,514	-4,353	-444	-355	-2,010	-2,878	-6,080	-5,186	-3,098
50%	-2,475	-1,313	-1,350	-2,249	-3,026	-4,014	-285	-324	-1,864	-3,622	-6,195	-5,320	-2,965
60%	-2,516	-3,112	-1,373	-3,330	-3,415	-3,431	-274	-365	-1,321	-3,980	-5,372	-6,208	-2,684
70%	-3,200	-4,861	-1,144	-3,432	-3,086	-2,990	-337	-428	-775	-4,308	-4,153	-5,517	-2,193
80%	-3,161	-4,478	-834	-3,345	-2,592	-1,831	-396	-554	-222	-3,460	-3,103	-4,795	-2,071
90%	-2,542	-3,355	-925	-2,927	-2,210	-1,548	-435	-752	-436	-2,385	-574	-4,337	-1,290
Long Term													
Full Simulation Period[a]	-3,056	-3,250	-1,504	-2,897	-3,352	-3,761	-614	-942	-1,773	-2,237	-3,594	-5,061	-2,670
Water Year Types[b]													
Wet (32%)	-3,894	-4,783	-2,485	-4,244	-6,565	-7,283	-1,551	-2,147	-3,486	-1,489	-5,354	-8,555	-4,320
Above Normal (15%)	-2,177	-3,806	-1,840	-2,975	-3,811	-5,739	-449	-506	-2,162	146	-4,771	-8,717	-3,067
Below Normal (17%)	-3,779	-3,138	-1,101	-1,898	-2,082	-2,183	-170	-433	-1,182	-2,352	-3,199	-3,677	-2,099
Dry (22%)	-2,431	-2,205	-1,571	-2,576	-1,212	-810	-75	-336	-491	-4,435	-2,881	-904	-1,661
Critical (15%)	-2,211	-1,074	587	-1,546	-623	-418	-74	-269	-287	-2,811	-134	-1,682	-878

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-12-1-20. South Delta Exports, Monthly Delivery Rate

No Action Alternative (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**AVG**
Probability of Exceedance													
10%	6,640	11,279	11,704	9,525	10,456	10,469	3,590	3,369	6,155	11,605	11,780	11,280	7,935
20%	6,219	8,289	10,946	7,731	9,231	9,202	2,461	2,449	5,616	11,432	11,780	11,088	7,388
30%	5,768	7,130	10,444	6,857	8,220	8,178	2,230	1,964	5,085	10,849	11,662	9,418	7,012
40%	5,384	6,351	9,062	6,744	7,266	7,202	2,071	1,785	4,094	10,426	11,437	8,956	6,642
50%	5,016	5,641	8,211	6,505	6,643	6,507	1,830	1,691	3,544	9,731	11,059	7,595	6,364
60%	4,613	5,086	7,882	6,179	6,251	5,250	1,712	1,606	2,995	8,818	9,625	6,546	5,963
70%	4,214	4,861	7,250	5,463	5,506	4,566	1,598	1,500	2,392	8,269	7,933	5,615	5,305
80%	3,660	4,478	6,178	4,910	4,377	3,222	1,500	1,500	1,633	5,853	6,558	4,795	4,937
90%	2,554	3,355	4,138	4,493	3,341	2,150	1,359	1,500	1,480	3,663	3,453	4,337	3,942
Long Term													
Full Simulation Period[a]	4,938	6,348	8,358	6,562	6,901	6,406	2,235	2,303	3,934	8,751	9,071	7,681	6,124
Water Year Types[b]													
Wet (32%)	5,748	7,500	9,069	7,939	9,410	9,369	3,016	3,421	6,160	9,779	11,509	8,754	7,639
Above Normal (15%)	4,005	6,686	9,060	6,598	7,184	7,693	2,086	1,894	4,916	8,162	11,688	9,970	6,662
Below Normal (17%)	5,311	6,203	8,827	5,741	6,444	6,421	2,114	1,947	3,386	10,041	9,783	9,276	6,291
Dry (22%)	4,564	5,590	8,578	6,297	5,162	3,890	1,853	1,855	2,098	9,401	7,398	5,709	5,200
Critical (15%)	4,245	4,819	5,237	4,900	4,326	2,454	1,407	1,378	1,522	4,630	2,852	4,162	3,494

Alternative 4 H4 (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**AVG**
Probability of Exceedance													
10%	2,803	6,139	9,512	5,907	5,530	4,146	1,722	1,632	3,014	10,177	8,511	6,284	3,860
20%	2,750	5,362	8,611	5,515	5,195	3,592	1,500	1,500	2,036	8,183	7,923	5,397	3,599
30%	2,694	5,041	7,626	5,162	4,948	2,402	1,338	1,406	1,678	7,009	7,293	4,963	3,501
40%	2,652	4,667	7,114	4,669	4,446	1,679	1,076	1,235	1,631	5,785	6,656	4,477	3,364
50%	2,563	4,428	6,826	4,300	3,547	1,557	858	957	1,294	4,976	5,532	2,412	3,107
60%	2,117	999	6,317	3,603	2,806	812	784	817	762	4,432	4,796	488	2,980
70%	1,082	0	6,138	1,941	2,298	382	499	627	251	3,153	3,976	0	2,796
80%	398	0	5,307	1,566	1,563	0	48	124	18	2,270	3,400	0	2,622
90%	3	0	4,118	1,566	80	0	0	0	1	1,069	3,175	0	2,404
Long Term													
Full Simulation Period[a]	1,891	3,031	6,732	3,726	3,374	1,740	941	986	1,282	5,331	5,692	2,742	3,122
Water Year Types[b]													
Wet (32%)	1,773	2,926	6,756	3,688	2,497	1,551	1,058	991	1,358	6,542	5,775	119	2,920
Above Normal (15%)	1,794	2,835	7,125	4,199	3,309	1,438	668	672	1,222	4,938	6,108	963	2,939
Below Normal (17%)	1,482	2,837	7,577	3,795	4,312	1,841	843	976	1,712	6,720	7,051	5,737	3,740
Dry (22%)	2,211	3,097	6,568	3,736	3,847	2,057	944	1,225	1,097	4,963	5,853	5,409	3,417
Critical (15%)	2,240	3,578	5,549	3,237	3,536	1,858	1,068	941	956	2,035	3,272	2,712	2,582

Alternative 4 H4 (LLT) minus No Action Alternative (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**AVG**
Probability of Exceedance													
10%	**-3,836**	**-5,140**	**-2,192**	**-3,618**	**-4,926**	**-6,323**	**-1,868**	**-1,737**	**-3,141**	**-1,428**	**-3,269**	**-4,996**	**-4,075**
20%	**-3,469**	**-2,928**	**-2,336**	**-2,216**	**-4,036**	**-5,610**	**-961**	**-949**	**-3,580**	**-3,249**	**-3,857**	**-5,691**	**-3,789**
30%	**-3,074**	**-2,088**	**-2,818**	**-1,694**	**-3,272**	**-5,776**	**-892**	**-558**	**-3,407**	**-3,840**	**-4,369**	**-4,455**	**-3,511**
40%	**-2,732**	**-1,684**	**-1,948**	**-2,075**	**-2,820**	**-5,522**	**-995**	**-550**	**-2,463**	**-4,640**	**-4,781**	**-4,479**	**-3,278**
50%	**-2,453**	**-1,213**	**-1,385**	**-2,205**	**-3,096**	**-4,950**	**-972**	**-733**	**-2,250**	**-4,754**	**-5,527**	**-5,183**	**-3,257**
60%	**-2,496**	**-4,087**	**-1,565**	**-2,576**	**-3,445**	**-4,438**	**-927**	**-789**	**-2,233**	**-4,386**	**-4,829**	**-6,058**	**-2,983**
70%	**-3,132**	**-4,861**	**-1,112**	**-3,522**	**-3,209**	**-4,184**	**-1,099**	**-873**	**-2,140**	**-5,116**	**-3,956**	**-5,615**	**-2,509**
80%	**-3,262**	**-4,478**	**-872**	**-3,345**	**-2,814**	**-3,222**	**-1,452**	**-1,376**	**-1,615**	**-3,583**	**-3,158**	**-4,795**	**-2,314**
90%	**-2,551**	**-3,355**	**-21**	**-2,927**	**-3,261**	**-2,150**	**-1,359**	**-1,500**	**-1,479**	**-2,593**	**-278**	**-4,337**	**-1,538**
Long Term													
Full Simulation Period[a]	**-3,047**	**-3,317**	**-1,626**	**-2,837**	**-3,527**	**-4,666**	**-1,294**	**-1,317**	**-2,652**	**-3,419**	**-3,379**	**-4,938**	**-3,002**
Water Year Types[b]													
Wet (32%)	**-3,975**	**-4,574**	**-2,313**	**-4,251**	**-6,912**	**-7,818**	**-1,957**	**-2,430**	**-4,802**	**-3,236**	**-5,734**	**-8,635**	**-4,720**
Above Normal (15%)	**-2,211**	**-3,851**	**-1,935**	**-2,399**	**-3,875**	**-6,256**	**-1,417**	**-1,222**	**-3,694**	**-3,225**	**-5,579**	**-9,007**	**-3,723**
Below Normal (17%)	**-3,828**	**-3,366**	**-1,251**	**-1,945**	**-2,132**	**-4,580**	**-1,271**	**-970**	**-1,675**	**-3,321**	**-2,733**	**-3,539**	**-2,551**
Dry (22%)	**-2,353**	**-2,493**	**-2,011**	**-2,561**	**-1,316**	**-1,834**	**-909**	**-630**	**-1,001**	**-4,438**	**-1,544**	**-300**	**-1,782**
Critical (15%)	**-2,005**	**-1,242**	311	**-1,663**	**-790**	**-596**	**-339**	**-437**	**-566**	**-2,596**	420	**-1,450**	**-913**

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-12-1-21. South Delta Exports, Monthly Delivery Rate

No Action Alternative (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**AVG**
Probability of Exceedance													
10%	6,640	11,279	11,704	9,525	10,456	10,469	3,590	3,369	6,155	11,605	11,780	11,280	7,935
20%	6,219	8,289	10,946	7,731	9,231	9,202	2,461	2,449	5,616	11,432	11,780	11,088	7,388
30%	5,768	7,130	10,444	6,857	8,220	8,178	2,230	1,964	5,085	10,849	11,662	9,418	7,012
40%	5,384	6,351	9,062	6,744	7,266	7,202	2,071	1,785	4,094	10,426	11,437	8,956	6,642
50%	5,016	5,641	8,211	6,505	6,643	6,507	1,830	1,691	3,544	9,731	11,059	7,595	6,364
60%	4,613	5,086	7,882	6,179	6,251	5,250	1,712	1,606	2,995	8,818	9,625	6,546	5,963
70%	4,214	4,861	7,250	5,463	5,506	4,566	1,598	1,500	2,392	8,269	7,933	5,615	5,305
80%	3,660	4,478	6,178	4,910	4,377	3,222	1,500	1,500	1,633	5,853	6,558	4,795	4,937
90%	2,554	3,355	4,138	4,493	3,341	2,150	1,359	1,500	1,480	3,663	3,453	4,337	3,942
Long Term													
Full Simulation Period[a]	4,938	6,348	8,358	6,562	6,901	6,406	2,235	2,303	3,934	8,751	9,071	7,681	6,124
Water Year Types[b]													
Wet (32%)	5,748	7,500	9,069	7,939	9,410	9,369	3,016	3,421	6,160	9,779	11,509	8,754	7,639
Above Normal (15%)	4,005	6,686	9,060	6,598	7,184	7,693	2,086	1,894	4,916	8,162	11,688	9,970	6,662
Below Normal (17%)	5,311	6,203	8,827	5,741	6,444	6,421	2,114	1,947	3,386	10,041	9,783	9,276	6,291
Dry (22%)	4,564	5,590	8,578	6,297	5,162	3,890	1,853	1,855	2,098	9,401	7,398	5,709	5,200
Critical (15%)	4,245	4,819	5,237	4,900	4,326	2,454	1,407	1,378	1,522	4,630	2,852	4,162	3,494

Alternative 5 (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**AVG**
Probability of Exceedance													
10%	6,013	8,693	11,661	8,051	9,898	9,955	3,595	3,370	6,736	11,228	11,309	5,662	6,197
20%	5,248	7,170	11,213	7,083	8,331	8,607	3,166	2,478	5,819	11,222	10,056	5,204	5,836
30%	4,412	5,390	10,607	6,840	7,245	6,924	2,367	2,055	5,319	10,689	8,651	4,617	5,642
40%	3,850	4,993	9,435	6,674	6,646	6,319	2,173	1,814	4,013	9,966	7,415	4,060	5,458
50%	3,207	4,393	8,575	6,365	6,234	5,302	2,073	1,715	3,513	8,995	6,221	3,452	5,097
60%	2,813	2,525	7,822	5,712	5,576	4,618	1,825	1,588	3,175	7,597	4,600	2,495	4,892
70%	1,882	60	7,395	5,014	4,964	3,726	1,711	1,500	1,683	6,584	3,919	2,013	4,345
80%	1,488	0	6,798	4,333	3,837	3,180	1,598	1,500	1,674	4,212	2,677	739	3,937
90%	841	0	5,012	2,509	2,966	2,150	1,500	1,500	1,175	1,263	2,142	0	3,025
Long Term													
Full Simulation Period[a]	3,414	3,903	8,492	5,923	6,214	5,738	2,360	2,221	3,856	7,728	6,337	3,277	4,955
Water Year Types[b]													
Wet (32%)	3,977	4,305	8,761	7,354	8,045	8,072	2,947	3,120	6,087	9,520	7,987	2,541	6,060
Above Normal (15%)	3,167	4,191	8,730	6,232	6,341	6,824	2,087	1,913	4,742	8,621	9,237	2,557	5,387
Below Normal (17%)	2,987	3,696	8,716	5,661	5,766	5,942	2,357	2,005	3,555	9,501	7,277	5,206	5,223
Dry (22%)	3,335	3,621	9,366	5,398	4,999	3,678	2,206	1,940	1,974	6,571	3,895	3,954	4,245
Critical (15%)	3,058	3,407	6,101	3,606	4,462	2,444	1,594	1,254	1,310	2,615	2,426	2,326	2,884

Alternative 5 (LLT) minus No Action Alternative (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**AVG**
Probability of Exceedance													
10%	**-627**	**-2,585**	**-43**	**-1,474**	**-558**	**-514**	4	1	581	**-377**	**-471**	**-5,618**	**-1,738**
20%	**-971**	**-1,120**	266	**-648**	**-900**	**-595**	706	29	204	**-210**	**-1,724**	**-5,884**	**-1,553**
30%	**-1,357**	**-1,740**	163	**-17**	**-975**	**-1,254**	137	91	233	**-161**	**-3,011**	**-4,801**	**-1,370**
40%	**-1,534**	**-1,358**	373	**-71**	**-620**	**-883**	102	28	**-81**	**-459**	**-4,022**	**-4,896**	**-1,184**
50%	**-1,809**	**-1,248**	363	**-140**	**-409**	**-1,205**	244	24	**-31**	**-736**	**-4,839**	**-4,143**	**-1,267**
60%	**-1,800**	**-2,561**	**-60**	**-467**	**-675**	**-631**	114	**-18**	180	**-1,221**	**-5,025**	**-4,051**	**-1,072**
70%	**-2,332**	**-4,801**	145	**-449**	**-543**	**-840**	113	0	**-708**	**-1,685**	**-4,014**	**-3,602**	**-960**
80%	**-2,171**	**-4,478**	620	**-577**	**-540**	**-42**	98	0	41	**-1,642**	**-3,881**	**-4,057**	**-1,000**
90%	**-1,713**	**-3,355**	874	**-1,984**	**-375**	**0**	141	0	**-305**	**-2,399**	**-1,311**	**-4,337**	**-917**
Long Term													
Full Simulation Period[a]	**-1,524**	**-2,445**	134	**-639**	**-688**	**-668**	125	**-82**	**-78**	**-1,023**	**-2,734**	**-4,403**	**-1,169**
Water Year Types[b]													
Wet (32%)	**-1,771**	**-3,195**	**-309**	**-586**	**-1,364**	**-1,297**	**-68**	**-301**	**-72**	**-258**	**-3,522**	**-6,213**	**-1,580**
Above Normal (15%)	**-838**	**-2,495**	**-330**	**-365**	**-843**	**-870**	2	19	**-174**	459	**-2,450**	**-7,412**	**-1,275**
Below Normal (17%)	**-2,323**	**-2,508**	**-111**	**-79**	**-678**	**-479**	243	59	168	**-540**	**-2,506**	**-4,070**	**-1,069**
Dry (22%)	**-1,229**	**-1,969**	788	**-899**	**-163**	**-212**	353	85	**-124**	**-2,831**	**-3,502**	**-1,755**	**-955**
Critical (15%)	**-1,187**	**-1,412**	864	**-1,294**	136	**-10**	188	**-124**	**-212**	**-2,015**	**-426**	**-1,836**	**-611**

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-12-1-22. South Delta Exports, Monthly Delivery Rate

No Action Alternative (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	6,640	11,279	11,704	9,525	10,456	10,469	3,590	3,369	6,155	11,605	11,780	11,280	7,935
20%	6,219	8,289	10,946	7,731	9,231	9,202	2,461	2,449	5,616	11,432	11,780	11,088	7,388
30%	5,768	7,130	10,444	6,857	8,220	8,178	2,230	1,964	5,085	10,849	11,662	9,418	7,012
40%	5,384	6,351	9,062	6,744	7,266	7,202	2,071	1,785	4,094	10,426	11,437	8,956	6,642
50%	5,016	5,641	8,211	6,505	6,643	6,507	1,830	1,691	3,544	9,731	11,059	7,595	6,364
60%	4,613	5,086	7,882	6,179	6,251	5,250	1,712	1,606	2,995	8,818	9,625	6,546	5,963
70%	4,214	4,861	7,250	5,463	5,506	4,566	1,598	1,500	2,392	8,269	7,933	5,615	5,305
80%	3,660	4,478	6,178	4,910	4,377	3,222	1,500	1,500	1,633	5,853	6,558	4,795	4,937
90%	2,554	3,355	4,138	4,493	3,341	2,150	1,359	1,500	1,480	3,663	3,453	4,337	3,942
Long Term													
Full Simulation Period[a]	4,938	6,348	8,358	6,562	6,901	6,406	2,235	2,303	3,934	8,751	9,071	7,681	6,124
Water Year Types[b]													
Wet (32%)	5,748	7,500	9,069	7,939	9,410	9,369	3,016	3,421	6,160	9,779	11,509	8,754	7,639
Above Normal (15%)	4,005	6,686	9,060	6,598	7,184	7,693	2,086	1,894	4,916	8,162	11,688	9,970	6,662
Below Normal (17%)	5,311	6,203	8,827	5,741	6,444	6,421	2,114	1,947	3,386	10,041	9,783	9,276	6,291
Dry (22%)	4,564	5,590	8,578	6,297	5,162	3,890	1,853	1,855	2,098	9,401	7,398	5,709	5,200
Critical (15%)	4,245	4,819	5,237	4,900	4,326	2,454	1,407	1,378	1,522	4,630	2,852	4,162	3,494

Alternative 6A,6B,6C (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	0	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0	0
Long Term													
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]													
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (17%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Dry (22%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0

Alternative 6A,6B,6C (LLT) minus No Action Alternative (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	-6,640	-11,279	-11,704	-9,525	-10,456	-10,469	-3,590	-3,369	-6,155	-11,605	-11,780	-11,280	-7,935
20%	-6,219	-8,289	-10,946	-7,731	-9,231	-9,202	-2,461	-2,449	-5,616	-11,432	-11,780	-11,088	-7,388
30%	-5,768	-7,130	-10,444	-6,857	-8,220	-8,178	-2,230	-1,964	-5,085	-10,849	-11,662	-9,418	-7,012
40%	-5,384	-6,351	-9,062	-6,744	-7,266	-7,202	-2,071	-1,785	-4,094	-10,426	-11,437	-8,956	-6,642
50%	-5,016	-5,641	-8,211	-6,505	-6,643	-6,507	-1,830	-1,691	-3,544	-9,731	-11,059	-7,595	-6,364
60%	-4,613	-5,086	-7,882	-6,179	-6,251	-5,250	-1,712	-1,606	-2,995	-8,818	-9,625	-6,546	-5,963
70%	-4,214	-4,861	-7,250	-5,463	-5,506	-4,566	-1,598	-1,500	-2,392	-8,269	-7,933	-5,615	-5,305
80%	-3,660	-4,478	-6,178	-4,910	-4,377	-3,222	-1,500	-1,500	-1,633	-5,853	-6,558	-4,795	-4,937
90%	-2,554	-3,355	-4,138	-4,493	-3,341	-2,150	-1,359	-1,500	-1,480	-3,663	-3,453	-4,337	-3,942
Long Term													
Full Simulation Period[a]	-4,938	-6,348	-8,358	-6,562	-6,901	-6,406	-2,235	-2,303	-3,934	-8,751	-9,071	-7,681	-6,124
Water Year Types[b]													
Wet (32%)	-5,748	-7,500	-9,069	-7,939	-9,410	-9,369	-3,016	-3,421	-6,160	-9,779	-11,509	-8,754	-7,639
Above Normal (15%)	-4,005	-6,686	-9,060	-6,598	-7,184	-7,693	-2,086	-1,894	-4,916	-8,162	-11,688	-9,970	-6,662
Below Normal (17%)	-5,311	-6,203	-8,827	-5,741	-6,444	-6,421	-2,114	-1,947	-3,386	-10,041	-9,783	-9,276	-6,291
Dry (22%)	-4,564	-5,590	-8,578	-6,297	-5,162	-3,890	-1,853	-1,855	-2,098	-9,401	-7,398	-5,709	-5,200
Critical (15%)	-4,245	-4,819	-5,237	-4,900	-4,326	-2,454	-1,407	-1,378	-1,522	-4,630	-2,852	-4,162	-3,494

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-12-1-23. South Delta Exports, Monthly Delivery Rate

No Action Alternative (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	6,640	11,279	11,704	9,525	10,456	10,469	3,590	3,369	6,155	11,605	11,780	11,280	7,935
20%	6,219	8,289	10,946	7,731	9,231	9,202	2,461	2,449	5,616	11,432	11,780	11,088	7,388
30%	5,768	7,130	10,444	6,857	8,220	8,178	2,230	1,964	5,085	10,849	11,662	9,418	7,012
40%	5,384	6,351	9,062	6,744	7,266	7,202	2,071	1,785	4,094	10,426	11,437	8,956	6,642
50%	5,016	5,641	8,211	6,505	6,643	6,507	1,830	1,691	3,544	9,731	11,059	7,595	6,364
60%	4,613	5,086	7,882	6,179	6,251	5,250	1,712	1,606	2,995	8,818	9,625	6,546	5,963
70%	4,214	4,861	7,250	5,463	5,506	4,566	1,598	1,500	2,392	8,269	7,933	5,615	5,305
80%	3,660	4,478	6,178	4,910	4,377	3,222	1,500	1,500	1,633	5,853	6,558	4,795	4,937
90%	2,554	3,355	4,138	4,493	3,341	2,150	1,359	1,500	1,480	3,663	3,453	4,337	3,942
Long Term													
Full Simulation Period[a]	4,938	6,348	8,358	6,562	6,901	6,406	2,235	2,303	3,934	8,751	9,071	7,681	6,124
Water Year Types[b]													
Wet (32%)	5,748	7,500	9,069	7,939	9,410	9,369	3,016	3,421	6,160	9,779	11,509	8,754	7,639
Above Normal (15%)	4,005	6,686	9,060	6,598	7,184	7,693	2,086	1,894	4,916	8,162	11,688	9,970	6,662
Below Normal (17%)	5,311	6,203	8,827	5,741	6,444	6,421	2,114	1,947	3,386	10,041	9,783	9,276	6,291
Dry (22%)	4,564	5,590	8,578	6,297	5,162	3,890	1,853	1,855	2,098	9,401	7,398	5,709	5,200
Critical (15%)	4,245	4,819	5,237	4,900	4,326	2,454	1,407	1,378	1,522	4,630	2,852	4,162	3,494

Alternative 7 (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	0	0	893	3,229	5,511	5,139	0	0	0	13,196	10,737	5,725	2,985
20%	0	0	532	1,592	2,949	3,211	0	0	0	12,412	9,547	5,253	2,476
30%	0	0	161	1,016	2,179	1,651	0	0	0	11,328	8,204	4,656	2,303
40%	0	0	0	487	1,364	558	0	0	0	10,186	7,420	4,064	2,180
50%	0	0	0	314	517	212	0	0	0	9,122	7,001	2,829	1,985
60%	0	0	0	240	141	0	0	0	0	7,753	6,092	800	1,693
70%	0	0	0	0	0	0	0	0	0	5,471	5,540	0	1,451
80%	0	0	0	0	0	0	0	0	0	4,758	4,796	0	1,178
90%	0	0	0	0	0	0	0	0	0	3,897	4,091	0	1,012
Long Term													
Full Simulation Period[a]	0	0	538	1,063	1,537	1,359	0	0	125	8,710	7,193	2,747	1,939
Water Year Types[b]													
Wet (32%)	0	0	1,302	2,224	2,907	2,872	0	0	393	10,263	8,387	316	2,389
Above Normal (15%)	0	0	466	1,544	1,903	1,548	0	0	0	9,974	8,476	1,184	2,091
Below Normal (17%)	0	0	224	550	1,624	1,194	0	0	0	10,553	8,959	5,866	2,414
Dry (22%)	0	0	85	172	238	81	0	0	0	7,347	5,466	4,771	1,513
Critical (15%)	0	0	0	0	47	0	0	0	0	3,975	3,855	2,901	898

Alternative 7 (LLT) minus No Action Alternative (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	-6,640	-11,279	-10,811	-6,296	-4,945	-5,330	-3,590	-3,369	-6,155	1,591	-1,043	-5,555	-4,950
20%	-6,219	-8,289	-10,414	-6,139	-6,282	-5,991	-2,461	-2,449	-5,616	981	-2,233	-5,836	-4,912
30%	-5,768	-7,130	-10,283	-5,840	-6,041	-6,527	-2,230	-1,964	-5,085	479	-3,458	-4,762	-4,709
40%	-5,384	-6,351	-9,062	-6,257	-5,902	-6,643	-2,071	-1,785	-4,094	-239	-4,017	-4,892	-4,461
50%	-5,016	-5,641	-8,211	-6,191	-6,126	-6,295	-1,830	-1,691	-3,544	-609	-4,059	-4,765	-4,379
60%	-4,613	-5,086	-7,882	-5,939	-6,109	-5,250	-1,712	-1,606	-2,995	-1,065	-3,533	-5,746	-4,270
70%	-4,214	-4,861	-7,250	-5,463	-5,506	-4,566	-1,598	-1,500	-2,392	-2,798	-2,393	-5,615	-3,854
80%	-3,660	-4,478	-6,178	-4,910	-4,377	-3,222	-1,500	-1,500	-1,633	-1,095	-1,762	-4,795	-3,758
90%	-2,554	-3,355	-4,138	-4,493	-3,341	-2,150	-1,359	-1,500	-1,480	234	638	-4,337	-2,931
Long Term													
Full Simulation Period[a]	-4,938	-6,348	-7,820	-5,500	-5,365	-5,047	-2,235	-2,303	-3,809	-41	-1,878	-4,934	-4,185
Water Year Types[b]													
Wet (32%)	-5,748	-7,500	-7,767	-5,715	-6,502	-6,497	-3,016	-3,421	-5,767	484	-3,122	-8,438	-5,251
Above Normal (15%)	-4,005	-6,686	-8,594	-5,054	-5,281	-6,146	-2,086	-1,894	-4,916	1,812	-3,211	-8,786	-4,571
Below Normal (17%)	-5,311	-6,203	-8,604	-5,191	-4,820	-5,227	-2,114	-1,947	-3,386	511	-824	-3,410	-3,877
Dry (22%)	-4,564	-5,590	-8,493	-6,125	-4,924	-3,809	-1,853	-1,855	-2,098	-2,055	-1,932	-938	-3,686
Critical (15%)	-4,245	-4,819	-5,237	-4,900	-4,279	-2,454	-1,407	-1,378	-1,522	-656	1,003	-1,261	-2,596

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-12-1-24. South Delta Exports, Monthly Delivery Rate

No Action Alternative (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	6,640	11,279	11,704	9,525	10,456	10,469	3,590	3,369	6,155	11,605	11,780	11,280	7,935
20%	6,219	8,289	10,946	7,731	9,231	9,202	2,461	2,449	5,616	11,432	11,780	11,088	7,388
30%	5,768	7,130	10,444	6,857	8,220	8,178	2,230	1,964	5,085	10,849	11,662	9,418	7,012
40%	5,384	6,351	9,062	6,744	7,266	7,202	2,071	1,785	4,094	10,426	11,437	8,956	6,642
50%	5,016	5,641	8,211	6,505	6,643	6,507	1,830	1,691	3,544	9,731	11,059	7,595	6,364
60%	4,613	5,086	7,882	6,179	6,251	5,250	1,712	1,606	2,995	8,818	9,625	6,546	5,963
70%	4,214	4,861	7,250	5,463	5,506	4,566	1,598	1,500	2,392	8,269	7,933	5,615	5,305
80%	3,660	4,478	6,178	4,910	4,377	3,222	1,500	1,500	1,633	5,853	6,558	4,795	4,937
90%	2,554	3,355	4,138	4,493	3,341	2,150	1,359	1,500	1,480	3,663	3,453	4,337	3,942
Long Term													
Full Simulation Period[a]	4,938	6,348	8,358	6,562	6,901	6,406	2,235	2,303	3,934	8,751	9,071	7,681	6,124
Water Year Types[b]													
Wet (32%)	5,748	7,500	9,069	7,939	9,410	9,369	3,016	3,421	6,160	9,779	11,509	8,754	7,639
Above Normal (15%)	4,005	6,686	9,060	6,598	7,184	7,693	2,086	1,894	4,916	8,162	11,688	9,970	6,662
Below Normal (17%)	5,311	6,203	8,827	5,741	6,444	6,421	2,114	1,947	3,386	10,041	9,783	9,276	6,291
Dry (22%)	4,564	5,590	8,578	6,297	5,162	3,890	1,853	1,855	2,098	9,401	7,398	5,709	5,200
Critical (15%)	4,245	4,819	5,237	4,900	4,326	2,454	1,407	1,378	1,522	4,630	2,852	4,162	3,494

Alternative 8 (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	0	0	1,227	3,247	5,510	5,524	0	0	0	4,850	6,754	4,958	2,003
20%	0	0	498	1,984	3,193	3,216	0	0	0	3,681	6,211	4,524	1,650
30%	0	0	185	1,138	2,379	1,634	0	0	0	3,549	5,789	4,212	1,474
40%	0	0	0	512	1,364	570	0	0	0	3,372	5,424	3,332	1,194
50%	0	0	0	334	517	227	0	0	0	3,007	5,170	1,721	1,076
60%	0	0	0	248	141	0	0	0	0	2,573	4,924	0	1,026
70%	0	0	0	0	0	0	0	0	0	1,630	4,345	0	948
80%	0	0	0	0	0	0	0	0	0	1,278	3,939	0	836
90%	0	0	0	0	0	0	0	0	0	906	3,324	0	636
Long Term													
Full Simulation Period[a]	0	0	594	1,101	1,590	1,401	0	0	125	3,006	5,108	2,185	1,259
Water Year Types[b]													
Wet (32%)	0	0	1,468	2,357	3,192	3,060	0	0	393	3,875	6,653	22	1,752
Above Normal (15%)	0	0	458	1,493	1,817	1,464	0	0	0	1,573	5,632	775	1,101
Below Normal (17%)	0	0	260	568	1,473	1,173	0	0	0	2,204	4,731	4,876	1,274
Dry (22%)	0	0	76	175	247	73	0	0	0	3,003	4,347	4,081	1,000
Critical (15%)	0	0	0	0	47	0	0	0	0	3,496	2,819	2,299	722

Alternative 8 (LLT) minus No Action Alternative (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	-6,640	-11,279	-10,477	-6,278	-4,946	-4,946	-3,590	-3,369	-6,155	-6,755	-5,026	-6,322	-5,932
20%	-6,219	-8,289	-10,448	-5,747	-6,038	-5,986	-2,461	-2,449	-5,616	-7,751	-5,569	-6,564	-5,738
30%	-5,768	-7,130	-10,259	-5,719	-5,841	-6,544	-2,230	-1,964	-5,085	-7,300	-5,873	-5,207	-5,539
40%	-5,384	-6,351	-9,062	-6,232	-5,902	-6,631	-2,071	-1,785	-4,094	-7,054	-6,013	-5,624	-5,447
50%	-5,016	-5,641	-8,211	-6,171	-6,126	-6,280	-1,830	-1,691	-3,544	-6,724	-5,890	-5,874	-5,288
60%	-4,613	-5,086	-7,882	-5,932	-6,109	-5,250	-1,712	-1,606	-2,995	-6,245	-4,702	-6,546	-4,938
70%	-4,214	-4,861	-7,250	-5,463	-5,506	-4,566	-1,598	-1,500	-2,392	-6,639	-3,588	-5,615	-4,358
80%	-3,660	-4,478	-6,178	-4,910	-4,377	-3,222	-1,500	-1,500	-1,633	-4,576	-2,619	-4,795	-4,101
90%	-2,554	-3,355	-4,138	-4,493	-3,341	-2,150	-1,359	-1,500	-1,480	-2,757	-130	-4,337	-3,307
Long Term													
Full Simulation Period[a]	-4,938	-6,348	-7,764	-5,461	-5,311	-5,005	-2,235	-2,303	-3,809	-5,744	-3,963	-5,495	-4,865
Water Year Types[b]													
Wet (32%)	-5,748	-7,500	-7,601	-5,582	-6,218	-6,308	-3,016	-3,421	-5,767	-5,903	-4,856	-8,732	-5,888
Above Normal (15%)	-4,005	-6,686	-8,603	-5,105	-5,366	-6,229	-2,086	-1,894	-4,916	-6,589	-6,056	-9,195	-5,561
Below Normal (17%)	-5,311	-6,203	-8,567	-5,172	-4,971	-5,249	-2,114	-1,947	-3,386	-7,837	-5,053	-4,400	-5,017
Dry (22%)	-4,564	-5,590	-8,502	-6,122	-4,916	-3,817	-1,853	-1,855	-2,098	-6,398	-3,050	-1,628	-4,199
Critical (15%)	-4,245	-4,819	-5,237	-4,900	-4,279	-2,454	-1,407	-1,378	-1,522	-1,134	-33	-1,863	-2,773

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-12-1-25. South Delta Exports, Monthly Delivery Rate

No Action Alternative (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	6,640	11,279	11,704	9,525	10,456	10,469	3,590	3,369	6,155	11,605	11,780	11,280	7,935
20%	6,219	8,289	10,946	7,731	9,231	9,202	2,461	2,449	5,616	11,432	11,780	11,088	7,388
30%	5,768	7,130	10,444	6,857	8,220	8,178	2,230	1,964	5,085	10,849	11,662	9,418	7,012
40%	5,384	6,351	9,062	6,744	7,266	7,202	2,071	1,785	4,094	10,426	11,437	8,956	6,642
50%	5,016	5,641	8,211	6,505	6,643	6,507	1,830	1,691	3,544	9,731	11,059	7,595	6,364
60%	4,613	5,086	7,882	6,179	6,251	5,250	1,712	1,606	2,995	8,818	9,625	6,546	5,963
70%	4,214	4,861	7,250	5,463	5,506	4,566	1,598	1,500	2,392	8,269	7,933	5,615	5,305
80%	3,660	4,478	6,178	4,910	4,377	3,222	1,500	1,500	1,633	5,853	6,558	4,795	4,937
90%	2,554	3,355	4,138	4,493	3,341	2,150	1,359	1,500	1,480	3,663	3,453	4,337	3,942
Long Term													
Full Simulation Period[a]	4,938	6,348	8,358	6,562	6,901	6,406	2,235	2,303	3,934	8,751	9,071	7,681	6,124
Water Year Types[b]													
Wet (32%)	5,748	7,500	9,069	7,939	9,410	9,369	3,016	3,421	6,160	9,779	11,509	8,754	7,639
Above Normal (15%)	4,005	6,686	9,060	6,598	7,184	7,693	2,086	1,894	4,916	8,162	11,688	9,970	6,662
Below Normal (17%)	5,311	6,203	8,827	5,741	6,444	6,421	2,114	1,947	3,386	10,041	9,783	9,276	6,291
Dry (22%)	4,564	5,590	8,578	6,297	5,162	3,890	1,853	1,855	2,098	9,401	7,398	5,709	5,200
Critical (15%)	4,245	4,819	5,237	4,900	4,326	2,454	1,407	1,378	1,522	4,630	2,852	4,162	3,494

Alternative 9 (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	8,625	11,280	11,280	5,442	9,845	10,705	5,000	5,000	5,000	11,605	11,780	11,280	7,877
20%	6,964	10,380	11,280	5,149	5,327	5,263	5,000	5,000	5,000	11,605	11,780	10,980	7,279
30%	6,112	7,547	11,029	5,064	5,017	5,000	5,000	4,309	5,000	11,525	11,743	10,147	6,901
40%	5,568	6,605	10,450	5,035	5,000	5,000	5,000	3,500	3,500	11,339	11,517	9,400	6,486
50%	5,297	6,162	8,287	5,006	5,000	4,959	3,500	3,406	3,500	10,895	10,554	7,389	6,181
60%	5,110	5,661	6,235	4,977	4,863	3,616	3,465	3,356	3,422	10,184	9,753	6,435	5,839
70%	4,336	5,107	5,985	4,755	3,591	3,500	2,703	2,425	2,802	8,883	7,581	5,499	5,219
80%	3,882	4,770	5,871	3,608	2,971	2,836	1,500	1,399	1,500	7,716	5,302	4,643	4,772
90%	2,928	4,182	5,817	3,151	2,312	1,500	1,347	1,321	1,251	2,931	2,042	3,770	4,004
Long Term													
Full Simulation Period[a]	5,541	6,793	8,514	5,090	5,207	4,923	3,640	3,497	3,625	9,201	8,702	7,623	6,030
Water Year Types[b]													
Wet (32%)	6,247	7,697	7,958	6,022	7,675	7,658	5,104	5,291	5,514	10,517	11,413	9,340	7,536
Above Normal (15%)	5,098	6,821	8,941	4,461	4,348	5,450	4,702	4,005	4,333	11,260	11,527	9,457	6,700
Below Normal (17%)	5,305	6,926	8,958	4,416	4,509	4,419	3,759	3,102	3,069	10,146	9,875	8,983	6,122
Dry (22%)	5,447	6,346	9,435	4,897	3,870	2,912	2,227	2,340	2,420	8,480	6,274	5,435	5,007
Critical (15%)	4,872	5,320	7,392	4,773	3,539	2,074	1,388	1,301	1,284	4,269	2,275	3,763	3,521

Alternative 9 (LLT) minus No Action Alternative (LLT)

	Monthly Delivery Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	1,986	1	-424	-4,083	-611	236	1,410	1,631	-1,155	0	0	0	-58
20%	745	2,091	334	-2,582	-3,903	-3,939	2,539	2,551	-616	173	0	-108	-110
30%	344	418	585	-1,793	-3,202	-3,178	2,770	2,345	-85	675	81	728	-112
40%	184	254	1,388	-1,710	-2,266	-2,202	2,929	1,715	-594	913	80	444	-156
50%	281	521	76	-1,499	-1,643	-1,548	1,670	1,715	-44	1,164	-505	-205	-183
60%	497	575	-1,647	-1,202	-1,388	-1,633	1,753	1,750	427	1,366	128	-111	-124
70%	122	246	-1,265	-708	-1,916	-1,066	1,105	925	411	614	-352	-116	-86
80%	223	292	-307	-1,302	-1,406	-385	0	-101	-133	1,863	-1,256	-152	-164
90%	375	827	1,678	-1,342	-1,029	-650	-12	-179	-229	-732	-1,411	-567	61
Long Term													
Full Simulation Period[a]	603	445	156	-1,472	-1,694	-1,483	1,405	1,194	-309	450	-369	-58	-94
Water Year Types[b]													
Wet (32%)	498	197	-1,111	-1,917	-1,735	-1,710	2,089	1,870	-646	738	-96	586	-103
Above Normal (15%)	1,094	135	-119	-2,136	-2,836	-2,244	2,616	2,111	-583	3,098	-160	-512	39
Below Normal (17%)	-6	723	131	-1,324	-1,935	-2,002	1,645	1,156	-318	104	91	-292	-169
Dry (22%)	883	756	856	-1,400	-1,293	-978	374	485	322	-922	-1,123	-274	-193
Critical (15%)	627	501	2,155	-127	-787	-380	-19	-77	-238	-362	-578	-399	26

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-12-2-1. South Delta Exports, Monthly Delivery Volume

Existing Condition

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	679	651	696	549	605	604	193	208	537	713	721	664	6,310
20%	674	650	691	476	519	562	135	141	431	710	718	663	6,088
30%	639	649	614	423	459	532	122	114	325	707	717	657	5,824
40%	589	602	566	418	431	454	110	102	305	703	710	616	5,540
50%	552	539	523	396	387	406	102	97	266	700	705	589	5,264
60%	474	498	492	391	367	344	96	92	209	694	698	562	5,088
70%	441	429	470	363	332	295	89	92	183	681	680	537	4,799
80%	377	372	436	311	276	277	89	92	166	639	551	489	4,541
90%	298	277	380	274	212	139	89	92	95	553	268	297	3,463
Long Term													
Full Simulation Period[a]	516	505	538	408	398	403	124	135	288	655	620	555	5,144
Water Year Types[b]													
Wet (32%)	575	602	545	473	516	555	169	203	440	700	705	646	6,128
Above Normal (15%)	516	478	555	396	406	487	108	103	359	656	687	613	5,366
Below Normal (17%)	530	527	570	386	385	426	103	102	256	688	660	574	5,208
Dry (22%)	475	471	544	387	323	261	102	109	173	680	660	535	4,719
Critical (15%)	433	348	458	333	259	179	95	95	101	481	263	308	3,352

No Action Alternative (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	408	671	720	586	581	644	214	207	366	714	724	671	5,728
20%	382	493	673	475	513	566	146	151	334	703	724	660	5,354
30%	355	424	642	422	467	503	133	121	303	667	717	560	5,075
40%	331	378	557	415	406	443	123	110	244	641	703	533	4,832
50%	308	336	505	400	369	400	109	104	211	598	680	452	4,605
60%	284	303	485	380	347	323	102	99	178	542	592	390	4,331
70%	259	289	446	336	306	281	95	92	142	508	488	334	3,851
80%	225	266	380	302	252	198	89	92	97	360	403	285	3,592
90%	157	200	254	276	188	132	81	92	88	225	212	258	2,861
Long Term													
Full Simulation Period[a]	304	378	514	403	386	394	133	142	234	538	558	457	4,441
Water Year Types[b]													
Wet (32%)	353	446	558	488	526	576	179	210	367	601	708	521	5,533
Above Normal (15%)	246	398	557	406	404	473	124	116	293	502	719	593	4,830
Below Normal (17%)	327	369	543	353	361	395	126	120	202	617	602	552	4,565
Dry (22%)	281	333	527	387	290	239	110	114	125	578	455	340	3,778
Critical (15%)	261	287	322	301	243	151	84	85	91	285	175	248	2,532

No Action Alternative (LLT) minus Existing Condition

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	-271	20	24	36	-24	40	21	-1	-171	1	3	7	-582
20%	-292	-156	-18	-1	-6	4	11	9	-96	-8	6	-3	-734
30%	-284	-225	28	-2	9	-29	10	7	-23	-40	0	-97	-748
40%	-258	-224	-8	-3	-25	-11	14	8	-61	-61	-7	-83	-708
50%	-243	-203	-18	4	-18	-6	7	7	-55	-102	-25	-137	-659
60%	-190	-196	-8	-11	-20	-21	6	7	-30	-152	-106	-172	-756
70%	-182	-140	-24	-27	-26	-15	6	0	-41	-173	-192	-203	-948
80%	-152	-105	-56	-9	-25	-79	0	0	-69	-279	-148	-204	-949
90%	-141	-78	-126	2	-24	-7	-8	0	-7	-327	-56	-39	-603
Long Term													
Full Simulation Period[a]	-212	-127	-24	-4	-11	-10	9	7	-54	-117	-62	-98	-703
Water Year Types[b]													
Wet (32%)	-221	-156	12	15	9	21	10	8	-73	-98	3	-125	-595
Above Normal (15%)	-270	-81	2	9	-3	-13	16	13	-66	-154	31	-20	-535
Below Normal (17%)	-203	-157	-27	-33	-24	-31	22	17	-54	-70	-59	-22	-643
Dry (22%)	-194	-138	-16	1	-34	-22	8	6	-48	-102	-205	-196	-941
Critical (15%)	-172	-61	-136	-31	-16	-28	-11	-10	-10	-196	-88	-60	-820

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-12-2-2. South Delta Exports, Monthly Delivery Volume

Existing Condition

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	679	651	696	549	605	604	193	208	537	713	721	664	6,310
20%	674	650	691	476	519	562	135	141	431	710	718	663	6,088
30%	639	649	614	423	459	532	122	114	325	707	717	657	5,824
40%	589	602	566	418	431	454	110	102	305	703	710	616	5,540
50%	552	539	523	396	387	406	102	97	266	700	705	589	5,264
60%	474	498	492	391	367	344	96	92	209	694	698	562	5,088
70%	441	429	470	363	332	295	89	92	183	681	680	537	4,799
80%	377	372	436	311	276	277	89	92	166	639	551	489	4,541
90%	298	277	380	274	212	139	89	92	95	553	268	297	3,463
Long Term													
Full Simulation Period[a]	516	505	538	408	398	403	124	135	288	655	620	555	5,144
Water Year Types[b]													
Wet (32%)	575	602	545	473	516	555	169	203	440	700	705	646	6,128
Above Normal (15%)	516	478	555	396	406	487	108	103	359	656	687	613	5,366
Below Normal (17%)	530	527	570	386	385	426	103	102	256	688	660	574	5,208
Dry (22%)	475	471	544	387	323	261	102	109	173	680	660	535	4,719
Critical (15%)	433	348	458	333	259	179	95	95	101	481	263	308	3,352

Alternative 1A,1B,1C (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	444	417	708	416	361	275	297	300	214	591	440	381	3,454
20%	424	374	668	376	285	215	273	252	199	440	355	359	3,233
30%	406	352	561	288	232	176	243	177	161	393	293	337	3,052
40%	391	332	499	262	191	124	195	145	104	294	265	327	2,896
50%	370	313	453	155	105	50	145	118	99	247	246	305	2,737
60%	316	290	418	96	0	0	121	103	83	205	219	284	2,674
70%	267	283	337	70	0	0	69	68	65	150	199	268	2,474
80%	225	249	253	0	0	0	0	30	42	100	183	226	2,149
90%	164	167	109	0	0	0	0	0	14	54	138	123	1,893
Long Term													
Full Simulation Period[a]	330	307	438	187	138	102	150	138	114	289	275	285	2,752
Water Year Types[b]													
Wet (32%)	352	319	355	80	10	24	95	104	120	391	307	322	2,477
Above Normal (15%)	315	312	460	185	82	35	137	187	199	295	364	345	2,916
Below Normal (17%)	331	351	485	277	154	165	253	211	117	305	271	306	3,226
Dry (22%)	334	290	518	297	272	187	189	138	80	240	257	266	3,068
Critical (15%)	288	247	423	154	251	137	102	76	64	121	151	145	2,160

Alternative 1A,1B,1C (LLT) minus Existing Condition

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	-235	-233	12	-133	-244	-328	104	92	-324	-122	-281	-283	-2,857
20%	-251	-275	-23	-100	-234	-346	137	111	-232	-270	-364	-304	-2,855
30%	-233	-296	-53	-135	-227	-355	120	64	-164	-314	-425	-320	-2,772
40%	-198	-270	-67	-156	-240	-329	85	43	-201	-409	-446	-288	-2,643
50%	-181	-226	-70	-241	-282	-356	43	22	-167	-453	-458	-283	-2,527
60%	-158	-209	-74	-295	-367	-344	26	11	-126	-489	-479	-278	-2,414
70%	-175	-146	-132	-293	-332	-295	-21	-24	-118	-531	-481	-269	-2,326
80%	-153	-122	-183	-311	-276	-277	-89	-62	-124	-539	-368	-263	-2,392
90%	-134	-111	-271	-274	-212	-139	-89	-92	-81	-498	-130	-174	-1,570
Long Term													
Full Simulation Period[a]	-186	-198	-100	-220	-260	-301	26	3	-174	-365	-345	-271	-2,391
Water Year Types[b]													
Wet (32%)	-222	-283	-191	-393	-507	-531	-74	-99	-320	-309	-398	-323	-3,651
Above Normal (15%)	-202	-167	-95	-212	-325	-451	29	84	-159	-361	-324	-268	-2,450
Below Normal (17%)	-199	-175	-85	-109	-231	-262	150	108	-139	-383	-389	-268	-1,982
Dry (22%)	-141	-181	-25	-90	-52	-73	87	30	-93	-440	-403	-270	-1,651
Critical (15%)	-146	-100	-36	-179	-8	-42	8	-19	-36	-360	-112	-162	-1,191

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-12-2-3. South Delta Exports, Monthly Delivery Volume

Existing Condition

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	679	651	696	549	605	604	193	208	537	713	721	664	6,310
20%	674	650	691	476	519	562	135	141	431	710	718	663	6,088
30%	639	649	614	423	459	532	122	114	325	707	717	657	5,824
40%	589	602	566	418	431	454	110	102	305	703	710	616	5,540
50%	552	539	523	396	387	406	102	97	266	700	705	589	5,264
60%	474	498	492	391	367	344	96	92	209	694	698	562	5,088
70%	441	429	470	363	332	295	89	92	183	681	680	537	4,799
80%	377	372	436	311	276	277	89	92	166	639	551	489	4,541
90%	298	277	380	274	212	139	89	92	95	553	268	297	3,463
Long Term													
Full Simulation Period[a]	516	505	538	408	398	403	124	135	288	655	620	555	5,144
Water Year Types[b]													
Wet (32%)	575	602	545	473	516	555	169	203	440	700	705	646	6,128
Above Normal (15%)	516	478	555	396	406	487	108	103	359	656	687	613	5,366
Below Normal (17%)	530	527	570	386	385	426	103	102	256	688	660	574	5,208
Dry (22%)	475	471	544	387	323	261	102	109	173	680	660	535	4,719
Critical (15%)	433	348	458	333	259	179	95	95	101	481	263	308	3,352

Alternative 2A,2B,2C (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	172	355	592	331	282	261	151	107	208	618	505	342	2,908
20%	169	328	576	283	268	229	115	96	199	532	399	308	2,576
30%	167	295	481	257	218	183	96	86	128	453	342	284	2,439
40%	164	284	434	201	159	116	88	81	103	394	310	254	2,264
50%	158	258	421	97	89	96	77	74	100	329	278	107	2,125
60%	128	11	386	96	0	40	69	64	96	284	245	21	1,992
70%	77	0	358	89	0	0	54	57	80	218	230	0	1,785
80%	36	0	310	2	0	0	0	31	63	149	197	0	1,505
90%	0	0	185	0	0	0	0	0	21	75	154	0	1,358
Long Term													
Full Simulation Period[a]	116	176	404	154	120	109	73	67	112	350	306	152	2,138
Water Year Types[b]													
Wet (32%)	110	148	338	78	3	30	30	41	122	411	325	5	1,642
Above Normal (15%)	113	171	427	118	68	37	53	50	153	424	386	74	2,077
Below Normal (17%)	93	191	476	211	185	201	113	94	123	438	365	329	2,819
Dry (22%)	134	182	449	226	219	188	108	96	83	291	264	285	2,526
Critical (15%)	134	212	368	183	199	127	83	69	79	128	176	143	1,901

Alternative 2A,2B,2C (LLT) minus Existing Condition

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	-507	-296	-104	-218	-323	-342	-42	-101	-329	-95	-216	-322	-3,403
20%	-505	-321	-115	-193	-250	-332	-21	-45	-231	-178	-319	-354	-3,512
30%	-471	-354	-133	-166	-240	-349	-26	-27	-197	-254	-376	-373	-3,385
40%	-425	-318	-131	-217	-272	-338	-22	-21	-202	-309	-401	-362	-3,275
50%	-394	-281	-102	-299	-299	-310	-25	-23	-166	-371	-427	-482	-3,139
60%	-346	-487	-106	-295	-367	-304	-27	-28	-113	-409	-453	-541	-3,095
70%	-365	-429	-111	-274	-332	-295	-35	-35	-103	-463	-450	-537	-3,014
80%	-342	-372	-127	-308	-276	-277	-89	-61	-103	-491	-354	-489	-3,035
90%	-298	-277	-195	-274	-212	-139	-89	-92	-74	-478	-114	-297	-2,105
Long Term													
Full Simulation Period[a]	-400	-329	-134	-253	-278	-294	-51	-67	-176	-305	-315	-403	-3,005
Water Year Types[b]													
Wet (32%)	-465	-454	-207	-395	-513	-525	-139	-162	-317	-289	-380	-641	-4,486
Above Normal (15%)	-403	-307	-128	-278	-338	-450	-55	-53	-206	-232	-301	-539	-3,289
Below Normal (17%)	-437	-335	-93	-175	-200	-225	9	-9	-132	-250	-295	-245	-2,388
Dry (22%)	-341	-289	-95	-161	-104	-73	6	-12	-90	-389	-395	-250	-2,193
Critical (15%)	-299	-136	-90	-150	-60	-52	-12	-26	-21	-352	-87	-165	-1,451

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-12-2-4. South Delta Exports, Monthly Delivery Volume

Existing Condition

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	679	651	696	549	605	604	193	208	537	713	721	664	6,310
20%	674	650	691	476	519	562	135	141	431	710	718	663	6,088
30%	639	649	614	423	459	532	122	114	325	707	717	657	5,824
40%	589	602	566	418	431	454	110	102	305	703	710	616	5,540
50%	552	539	523	396	387	406	102	97	266	700	705	589	5,264
60%	474	498	492	391	367	344	96	92	209	694	698	562	5,088
70%	441	429	470	363	332	295	89	92	183	681	680	537	4,799
80%	377	372	436	311	276	277	89	92	166	639	551	489	4,541
90%	298	277	380	274	212	139	89	92	95	553	268	297	3,463
Long Term													
Full Simulation Period[a]	516	505	538	408	398	403	124	135	288	655	620	555	5,144
Water Year Types[b]													
Wet (32%)	575	602	545	473	516	555	169	203	440	700	705	646	6,128
Above Normal (15%)	516	478	555	396	406	487	108	103	359	656	687	613	5,366
Below Normal (17%)	530	527	570	386	385	426	103	102	256	688	660	574	5,208
Dry (22%)	475	471	544	387	323	261	102	109	173	680	660	535	4,719
Critical (15%)	433	348	458	333	259	179	95	95	101	481	263	308	3,352

Alternative 3 (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	447	507	685	442	452	347	364	376	361	663	472	399	4,539
20%	425	416	665	427	380	319	343	322	236	520	378	355	4,231
30%	401	380	592	403	366	283	329	292	205	439	305	336	3,991
40%	376	354	527	376	329	273	282	274	188	342	269	317	3,782
50%	350	334	498	312	286	239	254	216	137	291	249	299	3,609
60%	318	318	458	288	220	212	234	158	84	208	221	285	3,270
70%	274	303	429	254	192	193	184	135	76	164	200	272	3,115
80%	212	282	359	183	158	151	147	109	53	94	176	241	2,810
90%	165	229	240	118	66	83	113	74	28	50	134	185	2,332
Long Term													
Full Simulation Period[a]	326	350	492	309	269	236	248	217	163	315	285	298	3,507
Water Year Types[b]													
Wet (32%)	357	408	483	347	259	226	307	287	255	403	318	355	4,006
Above Normal (15%)	310	351	491	331	291	323	305	279	259	323	376	364	4,003
Below Normal (17%)	333	358	514	356	286	265	295	239	121	374	312	303	3,756
Dry (22%)	326	333	527	305	282	224	183	150	66	253	239	263	3,151
Critical (15%)	265	242	432	154	230	154	103	79	61	142	156	156	2,174

Alternative 3 (LLT) minus Existing Condition

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	-232	-144	-11	-108	-153	-256	171	168	-176	-50	-249	-265	-1,772
20%	-250	-233	-26	-49	-139	-243	207	181	-194	-190	-341	-308	-1,857
30%	-237	-269	-22	-20	-92	-249	206	178	-120	-268	-412	-321	-1,833
40%	-214	-248	-39	-42	-102	-181	173	172	-117	-360	-441	-299	-1,757
50%	-201	-205	-24	-84	-101	-167	152	119	-129	-409	-456	-289	-1,655
60%	-155	-180	-35	-104	-147	-132	138	66	-125	-486	-476	-276	-1,817
70%	-168	-126	-41	-110	-140	-103	95	43	-107	-517	-479	-265	-1,684
80%	-166	-90	-78	-128	-118	-127	57	17	-112	-546	-375	-248	-1,731
90%	-133	-49	-140	-156	-147	-56	24	-18	-67	-502	-135	-112	-1,131
Long Term													
Full Simulation Period[a]	-190	-155	-46	-99	-129	-167	124	83	-126	-340	-335	-257	-1,637
Water Year Types[b]													
Wet (32%)	-218	-194	-62	-126	-258	-329	138	84	-184	-296	-386	-291	-2,122
Above Normal (15%)	-206	-127	-65	-65	-115	-164	197	176	-100	-333	-311	-249	-1,363
Below Normal (17%)	-197	-168	-56	-30	-99	-161	192	137	-135	-314	-348	-272	-1,452
Dry (22%)	-148	-138	-17	-81	-42	-37	80	41	-107	-427	-420	-272	-1,568
Critical (15%)	-168	-106	-26	-179	-29	-25	8	-16	-40	-338	-107	-152	-1,177

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-12-2-5. South Delta Exports, Monthly Delivery Volume

Existing Condition

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	679	651	696	549	605	604	193	208	537	713	721	664	6,310
20%	674	650	691	476	519	562	135	141	431	710	718	663	6,088
30%	639	649	614	423	459	532	122	114	325	707	717	657	5,824
40%	589	602	566	418	431	454	110	102	305	703	710	616	5,540
50%	552	539	523	396	387	406	102	97	266	700	705	589	5,264
60%	474	498	492	391	367	344	96	92	209	694	698	562	5,088
70%	441	429	470	363	332	295	89	92	183	681	680	537	4,799
80%	377	372	436	311	276	277	89	92	166	639	551	489	4,541
90%	298	277	380	274	212	139	89	92	95	553	268	297	3,463
Long Term													
Full Simulation Period[a]	516	505	538	408	398	403	124	135	288	655	620	555	5,144
Water Year Types[b]													
Wet (32%)	575	602	545	473	516	555	169	203	440	700	705	646	6,128
Above Normal (15%)	516	478	555	396	406	487	108	103	359	656	687	613	5,366
Below Normal (17%)	530	527	570	386	385	426	103	102	256	688	660	574	5,208
Dry (22%)	475	471	544	387	323	261	102	109	173	680	660	535	4,719
Critical (15%)	433	348	458	333	259	179	95	95	101	481	263	308	3,352

Alternative 4 H1 (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	178	376	585	363	308	277	164	131	209	749	548	408	3,540
20%	175	371	534	340	288	253	122	101	196	633	436	361	3,257
30%	174	363	480	311	277	229	103	95	182	597	370	341	3,039
40%	171	352	441	277	247	182	95	88	127	475	314	330	2,904
50%	169	334	424	266	198	138	89	83	100	385	274	318	2,798
60%	167	312	391	205	154	103	82	77	99	296	246	299	2,693
70%	163	288	374	136	111	96	72	66	85	210	229	274	2,547
80%	158	276	334	96	84	60	66	59	72	128	206	250	2,429
90%	136	225	240	90	34	37	55	46	61	79	173	168	1,978
Long Term													
Full Simulation Period[a]	161	314	410	229	190	155	94	84	126	401	327	302	2,792
Water Year Types[b]													
Wet (32%)	173	318	381	222	134	103	85	78	154	498	345	329	2,820
Above Normal (15%)	162	316	426	232	189	120	98	79	164	507	428	374	3,094
Below Normal (17%)	152	342	475	233	244	251	105	97	128	448	382	308	3,167
Dry (22%)	162	313	430	240	219	196	105	98	93	354	291	296	2,797
Critical (15%)	146	272	348	217	203	131	81	68	73	99	176	171	1,986

Alternative 4 H1 (LLT) minus Existing Condition

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	-501	-275	-111	-187	-297	-326	-29	-77	-328	36	-173	-256	-2,770
20%	-499	-279	-157	-137	-230	-309	-13	-40	-234	-78	-282	-301	-2,830
30%	-465	-286	-134	-112	-181	-303	-19	-19	-143	-111	-348	-316	-2,785
40%	-418	-250	-125	-141	-184	-272	-15	-14	-178	-228	-396	-285	-2,635
50%	-382	-204	-98	-130	-190	-268	-13	-13	-166	-315	-430	-270	-2,466
60%	-306	-186	-101	-186	-212	-241	-14	-15	-110	-398	-451	-263	-2,395
70%	-278	-141	-96	-228	-221	-199	-17	-26	-98	-472	-451	-263	-2,252
80%	-220	-96	-103	-214	-192	-217	-24	-33	-93	-511	-344	-239	-2,112
90%	-162	-52	-140	-184	-178	-102	-34	-46	-34	-473	-95	-129	-1,485
Long Term													
Full Simulation Period[a]	-354	-191	-128	-179	-208	-248	-29	-50	-163	-254	-293	-253	-2,351
Water Year Types[b]													
Wet (32%)	-401	-284	-164	-251	-382	-453	-84	-125	-286	-202	-360	-317	-3,308
Above Normal (15%)	-355	-163	-129	-165	-218	-367	-10	-24	-195	-149	-259	-239	-2,272
Below Normal (17%)	-378	-185	-94	-153	-141	-175	2	-5	-128	-240	-278	-266	-2,041
Dry (22%)	-313	-158	-114	-146	-104	-65	3	-11	-80	-326	-368	-239	-1,922
Critical (15%)	-287	-76	-110	-115	-56	-48	-14	-28	-27	-381	-87	-137	-1,365

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-12-2-6. South Delta Exports, Monthly Delivery Volume

Existing Condition

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	679	651	696	549	605	604	193	208	537	713	721	664	6,310
20%	674	650	691	476	519	562	135	141	431	710	718	663	6,088
30%	639	649	614	423	459	532	122	114	325	707	717	657	5,824
40%	589	602	566	418	431	454	110	102	305	703	710	616	5,540
50%	552	539	523	396	387	406	102	97	266	700	705	589	5,264
60%	474	498	492	391	367	344	96	92	209	694	698	562	5,088
70%	441	429	470	363	332	295	89	92	183	681	680	537	4,799
80%	377	372	436	311	276	277	89	92	166	639	551	489	4,541
90%	298	277	380	274	212	139	89	92	95	553	268	297	3,463
Long Term													
Full Simulation Period[a]	516	505	538	408	398	403	124	135	288	655	620	555	5,144
Water Year Types[b]													
Wet (32%)	575	602	545	473	516	555	169	203	440	700	705	646	6,128
Above Normal (15%)	516	478	555	396	406	487	108	103	359	656	687	613	5,366
Below Normal (17%)	530	527	570	386	385	426	103	102	256	688	660	574	5,208
Dry (22%)	475	471	544	387	323	261	102	109	173	680	660	535	4,719
Critical (15%)	433	348	458	333	259	179	95	95	101	481	263	308	3,352

Alternative 4 H2 (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	178	373	554	360	310	241	102	101	175	606	517	415	3,161
20%	175	369	497	339	285	177	89	92	123	530	472	383	2,924
30%	174	353	448	315	272	140	79	87	100	477	439	355	2,812
40%	171	330	427	297	239	96	65	78	90	396	398	340	2,702
50%	169	314	407	270	177	60	53	61	67	327	340	322	2,602
60%	166	304	383	217	137	45	44	51	30	269	298	314	2,533
70%	164	287	348	129	109	4	26	37	12	164	246	294	2,410
80%	159	269	321	96	81	0	0	6	1	128	213	267	2,182
90%	134	246	250	89	13	0	0	0	0	58	171	161	1,824
Long Term													
Full Simulation Period[a]	162	309	394	232	182	94	55	61	73	340	348	310	2,561
Water Year Types[b]													
Wet (32%)	170	322	390	230	123	51	57	60	66	388	347	328	2,532
Above Normal (15%)	161	304	414	253	174	88	42	41	77	295	423	369	2,641
Below Normal (17%)	149	318	437	232	243	121	53	59	89	422	428	354	2,904
Dry (22%)	169	304	405	232	216	125	57	82	80	378	345	312	2,704
Critical (15%)	153	285	318	214	198	112	65	57	56	126	186	158	1,927

Alternative 4 H2 (LLT) minus Existing Condition

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	-501	-277	-141	-189	-295	-363	-90	-107	-362	-107	-204	-249	-3,149
20%	-499	-281	-194	-138	-234	-385	-46	-49	-308	-180	-246	-279	-3,164
30%	-465	-296	-166	-108	-186	-392	-43	-27	-226	-230	-278	-302	-3,012
40%	-418	-272	-139	-121	-192	-358	-45	-24	-215	-307	-312	-276	-2,838
50%	-383	-224	-115	-126	-210	-346	-49	-35	-199	-373	-365	-266	-2,662
60%	-307	-194	-109	-174	-230	-299	-52	-41	-179	-425	-400	-248	-2,555
70%	-277	-142	-122	-234	-222	-292	-63	-56	-171	-517	-434	-244	-2,389
80%	-219	-102	-116	-215	-195	-277	-89	-87	-165	-511	-338	-222	-2,359
90%	-165	-31	-130	-185	-200	-139	-89	-92	-95	-494	-97	-136	-1,639
Long Term													
Full Simulation Period[a]	-354	-196	-143	-176	-216	-310	-68	-73	-215	-315	-272	-245	-2,583
Water Year Types[b]													
Wet (32%)	-404	-280	-155	-243	-394	-504	-112	-143	-374	-312	-358	-318	-3,596
Above Normal (15%)	-356	-174	-142	-144	-233	-398	-66	-62	-282	-361	-264	-244	-2,725
Below Normal (17%)	-381	-209	-133	-155	-142	-306	-50	-43	-166	-266	-232	-220	-2,304
Dry (22%)	-306	-167	-138	-155	-107	-136	-45	-27	-93	-302	-315	-224	-2,015
Critical (15%)	-280	-63	-141	-119	-61	-67	-30	-38	-45	-354	-77	-149	-1,424

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-12-2-7. South Delta Exports, Monthly Delivery Volume

Existing Condition

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	679	651	696	549	605	604	193	208	537	713	721	664	6,310
20%	674	650	691	476	519	562	135	141	431	710	718	663	6,088
30%	639	649	614	423	459	532	122	114	325	707	717	657	5,824
40%	589	602	566	418	431	454	110	102	305	703	710	616	5,540
50%	552	539	523	396	387	406	102	97	266	700	705	589	5,264
60%	474	498	492	391	367	344	96	92	209	694	698	562	5,088
70%	441	429	470	363	332	295	89	92	183	681	680	537	4,799
80%	377	372	436	311	276	277	89	92	166	639	551	489	4,541
90%	298	277	380	274	212	139	89	92	95	553	268	297	3,463
Long Term													
Full Simulation Period[a]	516	505	538	408	398	403	124	135	288	655	620	555	5,144
Water Year Types[b]													
Wet (32%)	575	602	545	473	516	555	169	203	440	700	705	646	6,128
Above Normal (15%)	516	478	555	396	406	487	108	103	359	656	687	613	5,366
Below Normal (17%)	530	527	570	386	385	426	103	102	256	688	660	574	5,208
Dry (22%)	475	471	544	387	323	261	102	109	173	680	660	535	4,719
Critical (15%)	433	348	458	333	259	179	95	95	101	481	263	308	3,352

Alternative 4 H3 (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	172	360	595	363	312	289	164	129	213	722	616	338	3,199
20%	169	339	582	340	302	258	141	101	200	648	483	308	2,949
30%	167	303	512	319	281	228	103	96	184	565	368	276	2,686
40%	162	284	444	283	267	175	97	88	124	464	329	224	2,567
50%	156	258	422	262	208	153	92	84	100	376	299	135	2,481
60%	129	118	400	175	159	112	86	76	100	297	262	20	2,385
70%	62	0	375	125	136	97	75	66	96	244	232	6	2,270
80%	31	0	329	96	99	86	66	58	84	147	212	0	2,072
90%	1	0	198	96	63	37	55	46	62	79	177	0	1,916
Long Term													
Full Simulation Period[a]	116	184	421	225	199	163	96	84	129	400	337	156	2,510
Water Year Types[b]													
Wet (32%)	114	162	405	227	159	128	87	78	159	510	378	12	2,419
Above Normal (15%)	112	171	444	223	190	120	97	85	164	511	425	75	2,618
Below Normal (17%)	94	182	475	236	244	261	116	93	131	473	405	333	3,043
Dry (22%)	131	201	431	229	222	189	106	93	96	305	278	286	2,567
Critical (15%)	125	223	358	206	208	125	79	68	73	112	167	148	1,893

Alternative 4 H3 (LLT) minus Existing Condition

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	-507	-290	-101	-186	-292	-315	-29	-78	-325	9	-105	-326	-3,111
20%	-505	-311	-108	-137	-217	-304	6	-40	-231	-62	-236	-354	-3,139
30%	-472	-345	-103	-104	-178	-303	-19	-17	-141	-142	-350	-381	-3,138
40%	-427	-318	-122	-135	-164	-279	-13	-14	-181	-238	-381	-391	-2,973
50%	-395	-281	-101	-134	-179	-253	-10	-12	-166	-324	-406	-453	-2,784
60%	-345	-381	-92	-216	-208	-232	-10	-16	-109	-396	-436	-542	-2,703
70%	-379	-429	-94	-238	-195	-199	-14	-26	-87	-437	-448	-531	-2,530
80%	-347	-372	-108	-214	-177	-192	-24	-34	-82	-492	-339	-489	-2,469
90%	-297	-277	-183	-178	-150	-102	-34	-46	-33	-474	-91	-297	-1,547
Long Term													
Full Simulation Period[a]	-400	-321	-116	-182	-199	-241	-27	-51	-160	-254	-283	-399	-2,633
Water Year Types[b]													
Wet (32%)	-461	-440	-140	-246	-358	-427	-82	-124	-280	-190	-326	-634	-3,709
Above Normal (15%)	-404	-307	-111	-174	-216	-366	-11	-18	-195	-145	-262	-539	-2,748
Below Normal (17%)	-436	-344	-95	-150	-141	-166	12	-9	-124	-215	-256	-241	-2,164
Dry (22%)	-344	-270	-113	-158	-102	-71	4	-15	-77	-375	-382	-250	-2,152
Critical (15%)	-308	-125	-100	-127	-51	-54	-16	-27	-27	-369	-96	-160	-1,459

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-12-2-8. South Delta Exports, Monthly Delivery Volume

Existing Condition

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	679	651	696	549	605	604	193	208	537	713	721	664	6,310
20%	674	650	691	476	519	562	135	141	431	710	718	663	6,088
30%	639	649	614	423	459	532	122	114	325	707	717	657	5,824
40%	589	602	566	418	431	454	110	102	305	703	710	616	5,540
50%	552	539	523	396	387	406	102	97	266	700	705	589	5,264
60%	474	498	492	391	367	344	96	92	209	694	698	562	5,088
70%	441	429	470	363	332	295	89	92	183	681	680	537	4,799
80%	377	372	436	311	276	277	89	92	166	639	551	489	4,541
90%	298	277	380	274	212	139	89	92	95	553	268	297	3,463
Long Term													
Full Simulation Period[a]	516	505	538	408	398	403	124	135	288	655	620	555	5,144
Water Year Types[b]													
Wet (32%)	575	602	545	473	516	555	169	203	440	700	705	646	6,128
Above Normal (15%)	516	478	555	396	406	487	108	103	359	656	687	613	5,366
Below Normal (17%)	530	527	570	386	385	426	103	102	256	688	660	574	5,208
Dry (22%)	475	471	544	387	323	261	102	109	173	680	660	535	4,719
Critical (15%)	433	348	458	333	259	179	95	95	101	481	263	308	3,352

Alternative 4 H4 (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	172	365	585	363	308	255	102	100	179	626	523	374	2,808
20%	169	319	529	339	289	221	89	92	121	503	487	321	2,614
30%	166	300	469	317	275	148	80	86	100	431	448	295	2,539
40%	163	278	437	287	247	103	64	76	97	356	409	266	2,433
50%	158	263	420	264	197	96	51	59	77	306	340	143	2,263
60%	130	59	388	222	159	50	47	50	45	273	295	29	2,156
70%	67	0	377	119	128	23	30	39	15	194	244	0	2,024
80%	24	0	326	96	89	0	3	8	1	140	209	0	1,916
90%	0	0	253	96	5	0	0	0	0	66	195	0	1,747
Long Term													
Full Simulation Period[a]	116	180	414	229	189	107	56	61	76	328	350	163	2,270
Water Year Types[b]													
Wet (32%)	109	174	415	227	139	95	63	61	81	402	355	7	2,129
Above Normal (15%)	110	169	438	258	186	88	40	41	73	304	376	57	2,140
Below Normal (17%)	91	169	466	233	241	113	50	60	102	413	434	341	2,714
Dry (22%)	136	184	404	230	216	126	56	75	65	305	360	322	2,480
Critical (15%)	138	213	341	199	198	114	64	58	57	125	201	161	1,870

Alternative 4 H4 (LLT) minus Existing Condition

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	-507	-285	-111	-186	-296	-349	-90	-108	-358	-87	-198	-290	-3,502
20%	-505	-331	-161	-137	-230	-341	-46	-49	-309	-207	-231	-342	-3,473
30%	-473	-349	-145	-106	-184	-384	-43	-27	-226	-276	-269	-362	-3,285
40%	-426	-324	-128	-131	-184	-351	-46	-26	-208	-347	-301	-349	-3,106
50%	-394	-275	-103	-131	-190	-310	-51	-38	-189	-394	-365	-445	-3,001
60%	-344	-439	-104	-170	-208	-294	-49	-42	-163	-421	-403	-533	-2,931
70%	-375	-429	-92	-244	-204	-272	-60	-54	-168	-487	-435	-537	-2,775
80%	-353	-372	-110	-214	-187	-277	-86	-85	-165	-500	-342	-489	-2,625
90%	-298	-277	-127	-178	-208	-139	-89	-92	-95	-487	-73	-297	-1,716
Long Term													
Full Simulation Period[a]	-400	-325	-124	-178	-209	-297	-68	-74	-212	-327	-270	-392	-2,874
Water Year Types[b]													
Wet (32%)	-466	-428	-130	-246	-377	-460	-106	-142	-359	-297	-350	-639	-3,999
Above Normal (15%)	-406	-310	-117	-138	-220	-398	-68	-62	-286	-352	-312	-556	-3,225
Below Normal (17%)	-439	-358	-104	-153	-144	-313	-53	-42	-154	-275	-227	-233	-2,494
Dry (22%)	-339	-287	-140	-157	-108	-134	-46	-33	-108	-375	-300	-214	-2,239
Critical (15%)	-296	-135	-117	-134	-60	-65	-31	-37	-44	-355	-62	-146	-1,482

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-12-2-9. South Delta Exports, Monthly Delivery Volume

Existing Condition

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	679	651	696	549	605	604	193	208	537	713	721	664	6,310
20%	674	650	691	476	519	562	135	141	431	710	718	663	6,088
30%	639	649	614	423	459	532	122	114	325	707	717	657	5,824
40%	589	602	566	418	431	454	110	102	305	703	710	616	5,540
50%	552	539	523	396	387	406	102	97	266	700	705	589	5,264
60%	474	498	492	391	367	344	96	92	209	694	698	562	5,088
70%	441	429	470	363	332	295	89	92	183	681	680	537	4,799
80%	377	372	436	311	276	277	89	92	166	639	551	489	4,541
90%	298	277	380	274	212	139	89	92	95	553	268	297	3,463
Long Term													
Full Simulation Period[a]	516	505	538	408	398	403	124	135	288	655	620	555	5,144
Water Year Types[b]													
Wet (32%)	575	602	545	473	516	555	169	203	440	700	705	646	6,128
Above Normal (15%)	516	478	555	396	406	487	108	103	359	656	687	613	5,366
Below Normal (17%)	530	527	570	386	385	426	103	102	256	688	660	574	5,208
Dry (22%)	475	471	544	387	323	261	102	109	173	680	660	535	4,719
Critical (15%)	433	348	458	333	259	179	95	95	101	481	263	308	3,352

Alternative 5 (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	370	517	717	495	550	612	214	207	401	690	695	337	4,469
20%	323	427	689	436	472	529	188	152	346	690	618	310	4,240
30%	271	321	652	421	402	426	141	126	316	657	532	275	4,096
40%	237	297	580	410	373	389	129	112	239	613	456	242	3,956
50%	197	261	527	391	349	326	123	105	209	553	383	205	3,701
60%	173	150	481	351	310	284	109	98	189	467	283	148	3,554
70%	116	4	455	308	276	229	102	92	100	405	241	120	3,151
80%	92	0	418	266	213	196	95	92	100	259	165	44	2,854
90%	52	0	308	154	165	132	89	92	70	78	132	0	2,190
Long Term													
Full Simulation Period[a]	210	232	522	364	348	353	140	137	229	475	390	195	3,595
Water Year Types[b]													
Wet (32%)	245	256	539	452	449	496	175	192	362	585	491	151	4,394
Above Normal (15%)	195	249	537	383	356	420	124	118	282	530	568	152	3,914
Below Normal (17%)	184	220	536	348	322	365	140	123	212	584	447	310	3,792
Dry (22%)	205	215	576	332	281	226	131	119	117	404	240	235	3,082
Critical (15%)	188	203	375	222	250	150	95	77	78	161	149	138	2,087

Alternative 5 (LLT) minus Existing Condition

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	-309	-133	21	-54	-55	9	21	-1	-137	-23	-26	-327	-1,841
20%	-352	-223	-1	-41	-47	-32	53	11	-84	-20	-100	-353	-1,847
30%	-368	-328	38	-3	-56	-106	19	13	-9	-50	-186	-382	-1,728
40%	-352	-305	14	-8	-58	-65	20	9	-66	-90	-254	-374	-1,583
50%	-354	-277	5	-4	-38	-80	21	9	-57	-147	-322	-383	-1,563
60%	-301	-348	-11	-40	-57	-60	13	5	-20	-227	-415	-413	-1,533
70%	-326	-426	-15	-55	-56	-66	13	0	-83	-276	-439	-417	-1,648
80%	-286	-372	-18	-44	-63	-82	6	0	-66	-380	-386	-445	-1,687
90%	-246	-277	-72	-120	-48	-7	0	0	-25	-475	-137	-297	-1,273
Long Term													
Full Simulation Period[a]	-306	-273	-16	-43	-50	-51	17	2	-59	-180	-230	-360	-1,548
Water Year Types[b]													
Wet (32%)	-330	-346	-7	-21	-67	-59	6	-11	-77	-114	-214	-495	-1,733
Above Normal (15%)	-321	-229	-19	-13	-50	-67	16	15	-77	-126	-119	-461	-1,452
Below Normal (17%)	-346	-307	-34	-38	-63	-61	37	21	-44	-104	-213	-264	-1,416
Dry (22%)	-270	-256	32	-55	-43	-35	29	11	-56	-276	-420	-300	-1,637
Critical (15%)	-245	-145	-83	-111	-8	-29	0	-18	-23	-320	-114	-169	-1,265

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-12-2-10. South Delta Exports, Monthly Delivery Volume

Existing Condition

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	679	651	696	549	605	604	193	208	537	713	721	664	6,310
20%	674	650	691	476	519	562	135	141	431	710	718	663	6,088
30%	639	649	614	423	459	532	122	114	325	707	717	657	5,824
40%	589	602	566	418	431	454	110	102	305	703	710	616	5,540
50%	552	539	523	396	387	406	102	97	266	700	705	589	5,264
60%	474	498	492	391	367	344	96	92	209	694	698	562	5,088
70%	441	429	470	363	332	295	89	92	183	681	680	537	4,799
80%	377	372	436	311	276	277	89	92	166	639	551	489	4,541
90%	298	277	380	274	212	139	89	92	95	553	268	297	3,463
Long Term													
Full Simulation Period[a]	516	505	538	408	398	403	124	135	288	655	620	555	5,144
Water Year Types[b]													
Wet (32%)	575	602	545	473	516	555	169	203	440	700	705	646	6,128
Above Normal (15%)	516	478	555	396	406	487	108	103	359	656	687	613	5,366
Below Normal (17%)	530	527	570	386	385	426	103	102	256	688	660	574	5,208
Dry (22%)	475	471	544	387	323	261	102	109	173	680	660	535	4,719
Critical (15%)	433	348	458	333	259	179	95	95	101	481	263	308	3,352

Alternative 6A,6B,6C (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	0	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0	0
Long Term													
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]													
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (17%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Dry (22%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0

Alternative 6A,6B,6C (LLT) minus Existing Condition

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	-679	-651	-696	-549	-605	-604	-193	-208	-537	-713	-721	-664	-6,310
20%	-674	-650	-691	-476	-519	-562	-135	-141	-431	-710	-718	-663	-6,088
30%	-639	-649	-614	-423	-459	-532	-122	-114	-325	-707	-717	-657	-5,824
40%	-589	-602	-566	-418	-431	-454	-110	-102	-305	-703	-710	-616	-5,540
50%	-552	-539	-523	-396	-387	-406	-102	-97	-266	-700	-705	-589	-5,264
60%	-474	-498	-492	-391	-367	-344	-96	-92	-209	-694	-698	-562	-5,088
70%	-441	-429	-470	-363	-332	-295	-89	-92	-183	-681	-680	-537	-4,799
80%	-377	-372	-436	-311	-276	-277	-89	-92	-166	-639	-551	-489	-4,541
90%	-298	-277	-380	-274	-212	-139	-89	-92	-95	-553	-268	-297	-3,463
Long Term													
Full Simulation Period[a]	-516	-505	-538	-408	-398	-403	-124	-135	-288	-655	-620	-555	-5,144
Water Year Types[b]													
Wet (32%)	-575	-602	-545	-473	-516	-555	-169	-203	-440	-700	-705	-646	-6,128
Above Normal (15%)	-516	-478	-555	-396	-406	-487	-108	-103	-359	-656	-687	-613	-5,366
Below Normal (17%)	-530	-527	-570	-386	-385	-426	-103	-102	-256	-688	-660	-574	-5,208
Dry (22%)	-475	-471	-544	-387	-323	-261	-102	-109	-173	-680	-660	-535	-4,719
Critical (15%)	-433	-348	-458	-333	-259	-179	-95	-95	-101	-481	-263	-308	-3,352

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-12-2-11. South Delta Exports, Monthly Delivery Volume

Existing Condition

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	679	651	696	549	605	604	193	208	537	713	721	664	6,310
20%	674	650	691	476	519	562	135	141	431	710	718	663	6,088
30%	639	649	614	423	459	532	122	114	325	707	717	657	5,824
40%	589	602	566	418	431	454	110	102	305	703	710	616	5,540
50%	552	539	523	396	387	406	102	97	266	700	705	589	5,264
60%	474	498	492	391	367	344	96	92	209	694	698	562	5,088
70%	441	429	470	363	332	295	89	92	183	681	680	537	4,799
80%	377	372	436	311	276	277	89	92	166	639	551	489	4,541
90%	298	277	380	274	212	139	89	92	95	553	268	297	3,463
Long Term													
Full Simulation Period[a]	516	505	538	408	398	403	124	135	288	655	620	555	5,144
Water Year Types[b]													
Wet (32%)	575	602	545	473	516	555	169	203	440	700	705	646	6,128
Above Normal (15%)	516	478	555	396	406	487	108	103	359	656	687	613	5,366
Below Normal (17%)	530	527	570	386	385	426	103	102	256	688	660	574	5,208
Dry (22%)	475	471	544	387	323	261	102	109	173	680	660	535	4,719
Critical (15%)	433	348	458	333	259	179	95	95	101	481	263	308	3,352

Alternative 7 (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	0	0	55	199	307	316	0	0	0	811	660	341	2,179
20%	0	0	33	98	165	197	0	0	0	763	587	313	1,812
30%	0	0	10	62	122	102	0	0	0	697	504	277	1,680
40%	0	0	0	30	76	34	0	0	0	626	456	242	1,594
50%	0	0	0	19	29	13	0	0	0	561	430	168	1,445
60%	0	0	0	15	8	0	0	0	0	477	375	48	1,237
70%	0	0	0	0	0	0	0	0	0	336	341	0	1,060
80%	0	0	0	0	0	0	0	0	0	293	295	0	859
90%	0	0	0	0	0	0	0	0	0	240	252	0	739
Long Term													
Full Simulation Period[a]	0	0	33	65	86	84	0	0	7	536	442	163	1,417
Water Year Types[b]													
Wet (32%)	0	0	80	137	162	177	0	0	23	631	516	19	1,745
Above Normal (15%)	0	0	29	95	107	95	0	0	0	613	521	70	1,531
Below Normal (17%)	0	0	14	34	91	73	0	0	0	649	551	349	1,761
Dry (22%)	0	0	5	11	14	5	0	0	0	452	336	284	1,106
Critical (15%)	0	0	0	0	3	0	0	0	0	244	237	173	657

Alternative 7 (LLT) minus Existing Condition

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	-679	-651	-641	-351	-298	-288	-193	-208	-537	98	-61	-323	-4,131
20%	-674	-650	-658	-379	-354	-364	-135	-141	-431	53	-131	-350	-4,275
30%	-639	-649	-604	-361	-336	-430	-122	-114	-325	-11	-213	-380	-4,143
40%	-589	-602	-566	-388	-355	-420	-110	-102	-305	-76	-254	-374	-3,945
50%	-552	-539	-523	-376	-359	-393	-102	-97	-266	-139	-274	-420	-3,819
60%	-474	-498	-492	-377	-359	-344	-96	-92	-209	-217	-323	-514	-3,851
70%	-441	-429	-470	-363	-332	-295	-89	-92	-183	-345	-339	-537	-3,740
80%	-377	-372	-436	-311	-276	-277	-89	-92	-166	-347	-256	-489	-3,681
90%	-298	-277	-380	-274	-212	-139	-89	-92	-95	-313	-17	-297	-2,724
Long Term													
Full Simulation Period[a]	-516	-505	-505	-342	-312	-320	-124	-135	-281	-119	-178	-392	-3,727
Water Year Types[b]													
Wet (32%)	-575	-602	-465	-336	-354	-379	-169	-203	-416	-68	-189	-627	-4,383
Above Normal (15%)	-516	-478	-527	-302	-299	-391	-108	-103	-359	-43	-166	-543	-3,835
Below Normal (17%)	-530	-527	-556	-352	-294	-353	-103	-102	-256	-39	-110	-225	-3,447
Dry (22%)	-475	-471	-538	-376	-310	-256	-102	-109	-173	-228	-323	-252	-3,613
Critical (15%)	-433	-348	-458	-333	-256	-179	-95	-95	-101	-236	-26	-135	-2,695

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-12-2-12. South Delta Exports, Monthly Delivery Volume

Existing Condition

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	679	651	696	549	605	604	193	208	537	713	721	664	6,310
20%	674	650	691	476	519	562	135	141	431	710	718	663	6,088
30%	639	649	614	423	459	532	122	114	325	707	717	657	5,824
40%	589	602	566	418	431	454	110	102	305	703	710	616	5,540
50%	552	539	523	396	387	406	102	97	266	700	705	589	5,264
60%	474	498	492	391	367	344	96	92	209	694	698	562	5,088
70%	441	429	470	363	332	295	89	92	183	681	680	537	4,799
80%	377	372	436	311	276	277	89	92	166	639	551	489	4,541
90%	298	277	380	274	212	139	89	92	95	553	268	297	3,463
Long Term													
Full Simulation Period[a]	516	505	538	408	398	403	124	135	288	655	620	555	5,144
Water Year Types[b]													
Wet (32%)	575	602	545	473	516	555	169	203	440	700	705	646	6,128
Above Normal (15%)	516	478	555	396	406	487	108	103	359	656	687	613	5,366
Below Normal (17%)	530	527	570	386	385	426	103	102	256	688	660	574	5,208
Dry (22%)	475	471	544	387	323	261	102	109	173	680	660	535	4,719
Critical (15%)	433	348	458	333	259	179	95	95	101	481	263	308	3,352

Alternative 8 (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	0	0	75	200	306	340	0	0	0	298	415	295	1,469
20%	0	0	31	122	177	198	0	0	0	226	382	269	1,196
30%	0	0	11	70	132	100	0	0	0	218	356	251	1,077
40%	0	0	0	31	76	35	0	0	0	207	333	198	872
50%	0	0	0	21	29	14	0	0	0	185	318	102	783
60%	0	0	0	15	8	0	0	0	0	158	303	0	746
70%	0	0	0	0	0	0	0	0	0	100	267	0	691
80%	0	0	0	0	0	0	0	0	0	79	242	0	610
90%	0	0	0	0	0	0	0	0	0	56	204	0	465
Long Term													
Full Simulation Period[a]	0	0	37	68	89	86	0	0	7	185	314	130	916
Water Year Types[b]													
Wet (32%)	0	0	90	145	178	188	0	0	23	238	409	1	1,274
Above Normal (15%)	0	0	28	92	103	90	0	0	0	97	346	46	802
Below Normal (17%)	0	0	16	35	82	72	0	0	0	136	291	290	922
Dry (22%)	0	0	5	11	14	5	0	0	0	185	267	243	729
Critical (15%)	0	0	0	0	3	0	0	0	0	215	173	137	528

Alternative 8 (LLT) minus Existing Condition

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	-679	-651	-620	-350	-299	-264	-193	-208	-537	-415	-306	-369	-4,841
20%	-674	-650	-660	-354	-342	-364	-135	-141	-431	-484	-337	-393	-4,891
30%	-639	-649	-603	-353	-326	-431	-122	-114	-325	-489	-362	-406	-4,747
40%	-589	-602	-566	-387	-355	-419	-110	-102	-305	-495	-377	-417	-4,668
50%	-552	-539	-523	-375	-359	-392	-102	-97	-266	-515	-387	-486	-4,481
60%	-474	-498	-492	-376	-359	-344	-96	-92	-209	-536	-395	-562	-4,342
70%	-441	-429	-470	-363	-332	-295	-89	-92	-183	-581	-413	-537	-4,108
80%	-377	-372	-436	-311	-276	-277	-89	-92	-166	-561	-309	-489	-3,931
90%	-298	-277	-380	-274	-212	-139	-89	-92	-95	-497	-64	-297	-2,998
Long Term													
Full Simulation Period[a]	-516	-505	-501	-340	-309	-317	-124	-135	-281	-470	-306	-425	-4,228
Water Year Types[b]													
Wet (32%)	-575	-602	-455	-328	-338	-367	-169	-203	-416	-461	-296	-644	-4,854
Above Normal (15%)	-516	-478	-527	-305	-304	-397	-108	-103	-359	-559	-341	-567	-4,564
Below Normal (17%)	-530	-527	-554	-351	-303	-354	-103	-102	-256	-552	-370	-284	-4,286
Dry (22%)	-475	-471	-539	-376	-309	-256	-102	-109	-173	-495	-392	-293	-3,990
Critical (15%)	-433	-348	-458	-333	-256	-179	-95	-95	-101	-266	-90	-171	-2,824

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-12-2-13. South Delta Exports, Monthly Delivery Volume

Existing Condition

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	679	651	696	549	605	604	193	208	537	713	721	664	6,310
20%	674	650	691	476	519	562	135	141	431	710	718	663	6,088
30%	639	649	614	423	459	532	122	114	325	707	717	657	5,824
40%	589	602	566	418	431	454	110	102	305	703	710	616	5,540
50%	552	539	523	396	387	406	102	97	266	700	705	589	5,264
60%	474	498	492	391	367	344	96	92	209	694	698	562	5,088
70%	441	429	470	363	332	295	89	92	183	681	680	537	4,799
80%	377	372	436	311	276	277	89	92	166	639	551	489	4,541
90%	298	277	380	274	212	139	89	92	95	553	268	297	3,463
Long Term													
Full Simulation Period[a]	516	505	538	408	398	403	124	135	288	655	620	555	5,144
Water Year Types[b]													
Wet (32%)	575	602	545	473	516	555	169	203	440	700	705	646	6,128
Above Normal (15%)	516	478	555	396	406	487	108	103	359	656	687	613	5,366
Below Normal (17%)	530	527	570	386	385	426	103	102	256	688	660	574	5,208
Dry (22%)	475	471	544	387	323	261	102	109	173	680	660	535	4,719
Critical (15%)	433	348	458	333	259	179	95	95	101	481	263	308	3,352

Alternative 9 (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	530	671	694	335	566	658	298	307	298	714	724	671	5,680
20%	428	618	694	317	306	324	298	307	298	714	724	653	5,276
30%	376	449	678	311	283	307	298	265	298	709	722	604	4,996
40%	342	393	643	310	278	307	298	215	208	697	708	559	4,709
50%	326	367	510	308	278	305	208	209	208	670	649	440	4,497
60%	314	337	383	306	271	222	206	206	204	626	600	383	4,245
70%	267	304	368	292	199	215	161	149	167	546	466	327	3,794
80%	239	284	361	222	166	174	89	86	89	474	326	276	3,472
90%	180	249	358	194	130	92	80	81	74	180	126	224	2,904
Long Term													
Full Simulation Period[a]	341	404	524	313	292	303	217	215	216	566	535	454	4,377
Water Year Types[b]													
Wet (32%)	384	458	489	370	429	471	304	325	328	647	702	556	5,463
Above Normal (15%)	313	406	550	274	244	335	280	246	258	692	709	563	4,871
Below Normal (17%)	326	412	551	272	253	272	224	191	183	624	607	535	4,448
Dry (22%)	335	378	580	301	217	179	132	144	144	521	386	323	3,641
Critical (15%)	300	317	455	293	199	128	83	80	76	262	140	224	2,556

Alternative 9 (LLT) minus Existing Condition

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	-149	21	-2	-215	-38	55	105	100	-240	1	3	7	-630
20%	-246	-32	3	-160	-212	-238	162	166	-133	3	6	-9	-811
30%	-263	-200	64	-112	-176	-224	175	151	-28	1	5	-53	-827
40%	-247	-209	77	-108	-153	-146	188	113	-97	-5	-2	-56	-830
50%	-226	-172	-13	-88	-110	-101	106	113	-58	-30	-56	-149	-767
60%	-159	-161	-109	-85	-96	-122	111	114	-5	-68	-98	-179	-843
70%	-175	-125	-102	-71	-132	-80	72	57	-17	-135	-214	-210	-1,006
80%	-139	-88	-75	-89	-110	-103	0	-6	-77	-165	-225	-213	-1,068
90%	-118	-28	-23	-81	-82	-47	-9	-11	-21	-372	-143	-73	-559
Long Term													
Full Simulation Period[a]	-175	-101	-14	-95	-106	-101	93	81	-73	-89	-85	-101	-766
Water Year Types[b]													
Wet (32%)	-191	-144	-56	-103	-88	-84	134	123	-111	-53	-3	-90	-665
Above Normal (15%)	-203	-72	-6	-122	-162	-151	172	143	-101	37	22	-50	-495
Below Normal (17%)	-204	-114	-19	-115	-132	-155	120	88	-73	-64	-53	-40	-760
Dry (22%)	-140	-93	36	-85	-106	-82	30	35	-29	-159	-274	-212	-1,078
Critical (15%)	-134	-31	-4	-39	-60	-51	-12	-15	-24	-218	-123	-84	-796

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-12-2-14. South Delta Exports, Monthly Delivery Volume

No Action Alternative (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	408	671	720	586	581	644	214	207	366	714	724	671	5,728
20%	382	493	673	475	513	566	146	151	334	703	724	660	5,354
30%	355	424	642	422	467	503	133	121	303	667	717	560	5,075
40%	331	378	557	415	406	443	123	110	244	641	703	533	4,832
50%	308	336	505	400	369	400	109	104	211	598	680	452	4,605
60%	284	303	485	380	347	323	102	99	178	542	592	390	4,331
70%	259	289	446	336	306	281	95	92	142	508	488	334	3,851
80%	225	266	380	302	252	198	89	92	97	360	403	285	3,592
90%	157	200	254	276	188	132	81	92	88	225	212	258	2,861
Long Term													
Full Simulation Period[a]	304	378	514	403	386	394	133	142	234	538	558	457	4,441
Water Year Types[b]													
Wet (32%)	353	446	558	488	526	576	179	210	367	601	708	521	5,533
Above Normal (15%)	246	398	557	406	404	473	124	116	293	502	719	593	4,830
Below Normal (17%)	327	369	543	353	361	395	126	120	202	617	602	552	4,565
Dry (22%)	281	333	527	387	290	239	110	114	125	578	455	340	3,778
Critical (15%)	261	287	322	301	243	151	84	85	91	285	175	248	2,532

Alternative 1A,1B,1C (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	444	417	708	416	361	275	297	300	214	591	440	381	3,454
20%	424	374	668	376	285	215	273	252	199	440	355	359	3,233
30%	406	352	561	288	232	176	243	177	161	393	293	337	3,052
40%	391	332	499	262	191	124	195	145	104	294	265	327	2,896
50%	370	313	453	155	105	50	145	118	99	247	246	305	2,737
60%	316	290	418	96	0	0	121	103	83	205	219	284	2,674
70%	267	283	337	70	0	0	69	68	65	150	199	268	2,474
80%	225	249	253	0	0	0	0	30	42	100	183	226	2,149
90%	164	167	109	0	0	0	0	0	14	54	138	123	1,893
Long Term													
Full Simulation Period[a]	330	307	438	187	138	102	150	138	114	289	275	285	2,752
Water Year Types[b]													
Wet (32%)	352	319	355	80	10	24	95	104	120	391	307	322	2,477
Above Normal (15%)	315	312	460	185	82	35	137	187	199	295	364	345	2,916
Below Normal (17%)	331	351	485	277	154	165	253	211	117	305	271	306	3,226
Dry (22%)	334	290	518	297	272	187	189	138	80	240	257	266	3,068
Critical (15%)	288	247	423	154	251	137	102	76	64	121	151	145	2,160

Alternative 1A,1B,1C (LLT) minus No Action Alternative (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	36	-254	-12	-170	-220	-368	84	93	-152	-123	-284	-290	-2,274
20%	41	-119	-5	-99	-228	-350	126	102	-135	-263	-370	-301	-2,121
30%	51	-72	-81	-134	-235	-327	110	56	-141	-274	-424	-224	-2,023
40%	60	-46	-59	-153	-215	-318	72	36	-139	-347	-439	-206	-1,935
50%	62	-23	-52	-245	-264	-350	37	14	-112	-352	-434	-146	-1,868
60%	32	-13	-66	-284	-347	-323	20	5	-95	-338	-373	-106	-1,658
70%	8	-6	-109	-266	-306	-281	-26	-24	-77	-358	-289	-66	-1,378
80%	0	-17	-126	-302	-252	-198	-89	-62	-55	-260	-220	-59	-1,443
90%	7	-33	-145	-276	-188	-132	-81	-92	-74	-171	-74	-135	-968
Long Term													
Full Simulation Period[a]	26	-71	-76	-216	-249	-292	17	-4	-120	-249	-282	-173	-1,688
Water Year Types[b]													
Wet (32%)	-1	-127	-203	-408	-516	-552	-84	-107	-247	-210	-401	-199	-3,056
Above Normal (15%)	68	-86	-97	-221	-322	-438	13	71	-93	-207	-355	-248	-1,915
Below Normal (17%)	4	-18	-58	-76	-207	-230	127	91	-85	-312	-330	-246	-1,339
Dry (22%)	53	-42	-9	-90	-18	-52	79	24	-45	-338	-198	-74	-711
Critical (15%)	27	-39	101	-147	8	-14	19	-8	-26	-164	-24	-102	-371

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-12-2-15. South Delta Exports, Monthly Delivery Volume

No Action Alternative (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	408	671	720	586	581	644	214	207	366	714	724	671	5,728
20%	382	493	673	475	513	566	146	151	334	703	724	660	5,354
30%	355	424	642	422	467	503	133	121	303	667	717	560	5,075
40%	331	378	557	415	406	443	123	110	244	641	703	533	4,832
50%	308	336	505	400	369	400	109	104	211	598	680	452	4,605
60%	284	303	485	380	347	323	102	99	178	542	592	390	4,331
70%	259	289	446	336	306	281	95	92	142	508	488	334	3,851
80%	225	266	380	302	252	198	89	92	97	360	403	285	3,592
90%	157	200	254	276	188	132	81	92	88	225	212	258	2,861
Long Term													
Full Simulation Period[a]	304	378	514	403	386	394	133	142	234	538	558	457	4,441
Water Year Types[b]													
Wet (32%)	353	446	558	488	526	576	179	210	367	601	708	521	5,533
Above Normal (15%)	246	398	557	406	404	473	124	116	293	502	719	593	4,830
Below Normal (17%)	327	369	543	353	361	395	126	120	202	617	602	552	4,565
Dry (22%)	281	333	527	387	290	239	110	114	125	578	455	340	3,778
Critical (15%)	261	287	322	301	243	151	84	85	91	285	175	248	2,532

Alternative 2A,2B,2C (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	172	355	592	331	282	261	151	107	208	618	505	342	2,908
20%	169	328	576	283	268	229	115	96	199	532	399	308	2,576
30%	167	295	481	257	218	183	96	86	128	453	342	284	2,439
40%	164	284	434	201	159	116	88	81	103	394	310	254	2,264
50%	158	258	421	97	89	96	77	74	100	329	278	107	2,125
60%	128	11	386	96	0	40	69	64	96	284	245	21	1,992
70%	77	0	358	89	0	0	54	57	80	218	230	0	1,785
80%	36	0	310	2	0	0	0	31	63	149	197	0	1,505
90%	0	0	185	0	0	0	0	0	21	75	154	0	1,358
Long Term													
Full Simulation Period[a]	116	176	404	154	120	109	73	67	112	350	306	152	2,138
Water Year Types[b]													
Wet (32%)	110	148	338	78	3	30	30	41	122	411	325	5	1,642
Above Normal (15%)	113	171	427	118	68	37	53	50	153	424	386	74	2,077
Below Normal (17%)	93	191	476	211	185	201	113	94	123	438	365	329	2,819
Dry (22%)	134	182	449	226	219	188	108	96	83	291	264	285	2,526
Critical (15%)	134	212	368	183	199	127	83	69	79	128	176	143	1,901

Alternative 2A,2B,2C (LLT) minus No Action Alternative (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	-236	-316	-128	-254	-299	-383	-63	-100	-158	-96	-219	-329	-2,820
20%	-213	-165	-97	-192	-244	-337	-32	-54	-135	-171	-325	-352	-2,778
30%	-187	-130	-161	-164	-249	-320	-36	-34	-174	-214	-375	-276	-2,636
40%	-167	-94	-123	-213	-246	-327	-35	-29	-141	-247	-394	-279	-2,568
50%	-151	-78	-84	-303	-280	-304	-32	-30	-111	-270	-402	-345	-2,480
60%	-156	-291	-99	-284	-347	-283	-33	-34	-82	-258	-347	-368	-2,339
70%	-182	-289	-88	-247	-306	-281	-41	-35	-62	-290	-258	-334	-2,066
80%	-189	-266	-70	-300	-252	-198	-89	-61	-34	-211	-206	-285	-2,086
90%	-157	-200	-69	-276	-188	-132	-81	-92	-67	-151	-58	-258	-1,503
Long Term													
Full Simulation Period[a]	-187	-202	-110	-249	-267	-285	-60	-74	-122	-188	-252	-305	-2,302
Water Year Types[b]													
Wet (32%)	-244	-298	-219	-411	-523	-546	-149	-170	-244	-190	-383	-516	-3,892
Above Normal (15%)	-133	-226	-130	-287	-335	-436	-71	-66	-140	-78	-332	-519	-2,754
Below Normal (17%)	-234	-178	-66	-142	-175	-194	-13	-26	-78	-180	-236	-222	-1,745
Dry (22%)	-147	-150	-79	-161	-70	-51	-2	-18	-42	-287	-191	-55	-1,253
Critical (15%)	-127	-75	46	-118	-44	-24	0	-16	-11	-157	0	-105	-631

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-12-2-16. South Delta Exports, Monthly Delivery Volume

No Action Alternative (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	408	671	720	586	581	644	214	207	366	714	724	671	5,728
20%	382	493	673	475	513	566	146	151	334	703	724	660	5,354
30%	355	424	642	422	467	503	133	121	303	667	717	560	5,075
40%	331	378	557	415	406	443	123	110	244	641	703	533	4,832
50%	308	336	505	400	369	400	109	104	211	598	680	452	4,605
60%	284	303	485	380	347	323	102	99	178	542	592	390	4,331
70%	259	289	446	336	306	281	95	92	142	508	488	334	3,851
80%	225	266	380	302	252	198	89	92	97	360	403	285	3,592
90%	157	200	254	276	188	132	81	92	88	225	212	258	2,861
Long Term													
Full Simulation Period[a]	304	378	514	403	386	394	133	142	234	538	558	457	4,441
Water Year Types[b]													
Wet (32%)	353	446	558	488	526	576	179	210	367	601	708	521	5,533
Above Normal (15%)	246	398	557	406	404	473	124	116	293	502	719	593	4,830
Below Normal (17%)	327	369	543	353	361	395	126	120	202	617	602	552	4,565
Dry (22%)	281	333	527	387	290	239	110	114	125	578	455	340	3,778
Critical (15%)	261	287	322	301	243	151	84	85	91	285	175	248	2,532

Alternative 3 (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	447	507	685	442	452	347	364	376	361	663	472	399	4,539
20%	425	416	665	427	380	319	343	322	236	520	378	355	4,231
30%	401	380	592	403	366	283	329	292	205	439	305	336	3,991
40%	376	354	527	376	329	273	282	274	188	342	269	317	3,782
50%	350	334	498	312	286	239	254	216	137	291	249	299	3,609
60%	318	318	458	288	220	212	234	158	84	208	221	285	3,270
70%	274	303	429	254	192	193	184	135	76	164	200	272	3,115
80%	212	282	359	183	158	151	147	109	53	94	176	241	2,810
90%	165	229	240	118	66	83	113	74	28	50	134	185	2,332
Long Term													
Full Simulation Period[a]	326	350	492	309	269	236	248	217	163	315	285	298	3,507
Water Year Types[b]													
Wet (32%)	357	408	483	347	259	226	307	287	255	403	318	355	4,006
Above Normal (15%)	310	351	491	331	291	323	305	279	259	323	376	364	4,003
Below Normal (17%)	333	358	514	356	286	265	295	239	121	374	312	303	3,756
Dry (22%)	326	333	527	305	282	224	183	150	66	253	239	263	3,151
Critical (15%)	265	242	432	154	230	154	103	79	61	142	156	156	2,174

Alternative 3 (LLT) minus No Action Alternative (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	39	-164	-35	-144	-129	-296	151	169	-5	-51	-253	-273	-1,189
20%	42	-77	-9	-48	-132	-247	196	172	-98	-183	-347	-305	-1,122
30%	47	-45	-50	-19	-101	-220	196	171	-97	-228	-412	-225	-1,084
40%	45	-24	-30	-38	-77	-170	159	164	-56	-299	-434	-216	-1,049
50%	42	-2	-7	-88	-83	-161	145	112	-74	-307	-431	-153	-996
60%	35	15	-27	-92	-127	-111	132	59	-95	-334	-370	-104	-1,061
70%	15	14	-17	-82	-114	-88	89	43	-66	-344	-287	-62	-737
80%	-13	16	-21	-119	-94	-47	57	17	-44	-266	-227	-44	-782
90%	8	29	-14	-158	-123	-49	32	-18	-60	-175	-79	-73	-529
Long Term													
Full Simulation Period[a]	22	-27	-22	-95	-117	-158	115	75	-71	-223	-273	-159	-934
Water Year Types[b]													
Wet (32%)	4	-38	-75	-141	-267	-350	128	76	-111	-198	-389	-166	-1,528
Above Normal (15%)	64	-47	-66	-74	-112	-150	181	163	-34	-179	-342	-229	-827
Below Normal (17%)	6	-11	-29	3	-74	-130	169	119	-81	-244	-289	-249	-809
Dry (22%)	46	0	0	-82	-8	-15	72	36	-59	-325	-216	-76	-628
Critical (15%)	4	-45	110	-148	-13	3	20	-6	-30	-143	-20	-92	-357

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-12-2-17. South Delta Exports, Monthly Delivery Volume

No Action Alternative (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	408	671	720	586	581	644	214	207	366	714	724	671	5,728
20%	382	493	673	475	513	566	146	151	334	703	724	660	5,354
30%	355	424	642	422	467	503	133	121	303	667	717	560	5,075
40%	331	378	557	415	406	443	123	110	244	641	703	533	4,832
50%	308	336	505	400	369	400	109	104	211	598	680	452	4,605
60%	284	303	485	380	347	323	102	99	178	542	592	390	4,331
70%	259	289	446	336	306	281	95	92	142	508	488	334	3,851
80%	225	266	380	302	252	198	89	92	97	360	403	285	3,592
90%	157	200	254	276	188	132	81	92	88	225	212	258	2,861
Long Term													
Full Simulation Period[a]	304	378	514	403	386	394	133	142	234	538	558	457	4,441
Water Year Types[b]													
Wet (32%)	353	446	558	488	526	576	179	210	367	601	708	521	5,533
Above Normal (15%)	246	398	557	406	404	473	124	116	293	502	719	593	4,830
Below Normal (17%)	327	369	543	353	361	395	126	120	202	617	602	552	4,565
Dry (22%)	281	333	527	387	290	239	110	114	125	578	455	340	3,778
Critical (15%)	261	287	322	301	243	151	84	85	91	285	175	248	2,532

Alternative 4 H1 (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	178	376	585	363	308	277	164	131	209	749	548	408	3,540
20%	175	371	534	340	288	253	122	101	196	633	436	361	3,257
30%	174	363	480	311	277	229	103	95	182	597	370	341	3,039
40%	171	352	441	277	247	182	95	88	127	475	314	330	2,904
50%	169	334	424	266	198	138	89	83	100	385	274	318	2,798
60%	167	312	391	205	154	103	82	77	99	296	246	299	2,693
70%	163	288	374	136	111	96	72	66	85	210	229	274	2,547
80%	158	276	334	96	84	60	66	59	72	128	206	250	2,429
90%	136	225	240	90	34	37	55	46	61	79	173	168	1,978
Long Term													
Full Simulation Period[a]	161	314	410	229	190	155	94	84	126	401	327	302	2,792
Water Year Types[b]													
Wet (32%)	173	318	381	222	134	103	85	78	154	498	345	329	2,820
Above Normal (15%)	162	316	426	232	189	120	98	79	164	507	428	374	3,094
Below Normal (17%)	152	342	475	233	244	251	105	97	128	448	382	308	3,167
Dry (22%)	162	313	430	240	219	196	105	98	93	354	291	296	2,797
Critical (15%)	146	272	348	217	203	131	81	68	73	99	176	171	1,986

Alternative 4 H1 (LLT) minus No Action Alternative (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	-230	-295	-135	-223	-273	-366	-50	-77	-157	36	-176	-263	-2,188
20%	-207	-122	-139	-136	-224	-313	-24	-49	-138	-70	-288	-298	-2,096
30%	-181	-61	-162	-110	-190	-274	-30	-26	-120	-71	-347	-219	-2,037
40%	-160	-26	-117	-138	-159	-261	-28	-22	-117	-167	-389	-203	-1,927
50%	-139	-1	-80	-134	-171	-262	-20	-21	-111	-213	-406	-134	-1,807
60%	-116	10	-94	-175	-193	-220	-20	-22	-79	-246	-345	-91	-1,638
70%	-96	-1	-72	-200	-195	-184	-23	-26	-57	-299	-259	-60	-1,305
80%	-67	10	-46	-206	-167	-138	-24	-33	-25	-232	-197	-35	-1,163
90%	-21	26	-15	-187	-154	-95	-26	-46	-27	-146	-39	-90	-883
Long Term													
Full Simulation Period[a]	-142	-64	-104	-175	-197	-239	-39	-57	-108	-137	-231	-155	-1,648
Water Year Types[b]													
Wet (32%)	-180	-129	-177	-266	-391	-473	-94	-132	-213	-103	-363	-192	-2,714
Above Normal (15%)	-85	-82	-131	-174	-215	-353	-26	-37	-129	5	-291	-219	-1,736
Below Normal (17%)	-175	-27	-67	-120	-116	-144	-20	-23	-74	-169	-219	-244	-1,398
Dry (22%)	-119	-19	-98	-147	-70	-43	-5	-16	-32	-224	-164	-44	-981
Critical (15%)	-115	-15	26	-84	-40	-20	-3	-17	-17	-185	1	-77	-545

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-12-2-18. South Delta Exports, Monthly Delivery Volume

No Action Alternative (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	408	671	720	586	581	644	214	207	366	714	724	671	5,728
20%	382	493	673	475	513	566	146	151	334	703	724	660	5,354
30%	355	424	642	422	467	503	133	121	303	667	717	560	5,075
40%	331	378	557	415	406	443	123	110	244	641	703	533	4,832
50%	308	336	505	400	369	400	109	104	211	598	680	452	4,605
60%	284	303	485	380	347	323	102	99	178	542	592	390	4,331
70%	259	289	446	336	306	281	95	92	142	508	488	334	3,851
80%	225	266	380	302	252	198	89	92	97	360	403	285	3,592
90%	157	200	254	276	188	132	81	92	88	225	212	258	2,861
Long Term													
Full Simulation Period[a]	304	378	514	403	386	394	133	142	234	538	558	457	4,441
Water Year Types[b]													
Wet (32%)	353	446	558	488	526	576	179	210	367	601	708	521	5,533
Above Normal (15%)	246	398	557	406	404	473	124	116	293	502	719	593	4,830
Below Normal (17%)	327	369	543	353	361	395	126	120	202	617	602	552	4,565
Dry (22%)	281	333	527	387	290	239	110	114	125	578	455	340	3,778
Critical (15%)	261	287	322	301	243	151	84	85	91	285	175	248	2,532

Alternative 4 H2 (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	178	373	554	360	310	241	102	101	175	606	517	415	3,161
20%	175	369	497	339	285	177	89	92	123	530	472	383	2,924
30%	174	353	448	315	272	140	79	87	100	477	439	355	2,812
40%	171	330	427	297	239	96	65	78	90	396	398	340	2,702
50%	169	314	407	270	177	60	53	61	67	327	340	322	2,602
60%	166	304	383	217	137	45	44	51	30	269	298	314	2,533
70%	164	287	348	129	109	4	26	37	12	164	246	294	2,410
80%	159	269	321	96	81	0	0	6	1	128	213	267	2,182
90%	134	246	250	89	13	0	0	0	0	58	171	161	1,824
Long Term													
Full Simulation Period[a]	162	309	394	232	182	94	55	61	73	340	348	310	2,561
Water Year Types[b]													
Wet (32%)	170	322	390	230	123	51	57	60	66	388	347	328	2,532
Above Normal (15%)	161	304	414	253	174	88	42	41	77	295	423	369	2,641
Below Normal (17%)	149	318	437	232	243	121	53	59	89	422	428	354	2,904
Dry (22%)	169	304	405	232	216	125	57	82	80	378	345	312	2,704
Critical (15%)	153	285	318	214	198	112	65	57	56	126	186	158	1,927

Alternative 4 H2 (LLT) minus No Action Alternative (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	-230	-298	-165	-225	-271	-403	-111	-106	-191	-108	-208	-257	-2,567
20%	-207	-124	-176	-137	-228	-389	-57	-58	-212	-172	-252	-277	-2,429
30%	-181	-71	-194	-107	-195	-363	-53	-34	-203	-190	-278	-205	-2,263
40%	-160	-48	-130	-118	-167	-346	-58	-32	-154	-245	-305	-193	-2,130
50%	-139	-22	-98	-130	-192	-340	-56	-43	-144	-271	-340	-130	-2,003
60%	-117	1	-101	-163	-210	-278	-58	-48	-148	-273	-294	-76	-1,798
70%	-95	-2	-98	-207	-197	-277	-69	-56	-130	-345	-241	-40	-1,442
80%	-66	3	-59	-206	-170	-198	-89	-87	-96	-232	-191	-18	-1,410
90%	-23	46	-5	-187	-176	-132	-81	-92	-88	-167	-42	-97	-1,037
Long Term													
Full Simulation Period[a]	-141	-68	-119	-172	-204	-300	-78	-80	-161	-198	-210	-147	-1,880
Water Year Types[b]													
Wet (32%)	-183	-124	-167	-258	-403	-525	-122	-151	-301	-213	-361	-193	-3,001
Above Normal (15%)	-86	-94	-143	-153	-230	-385	-82	-75	-216	-207	-295	-224	-2,190
Below Normal (17%)	-178	-51	-106	-121	-118	-274	-72	-60	-112	-196	-174	-198	-1,661
Dry (22%)	-112	-28	-122	-155	-73	-114	-53	-32	-45	-200	-110	-28	-1,075
Critical (15%)	-108	-2	-4	-88	-45	-39	-19	-28	-35	-158	10	-89	-604

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-12-2-19. South Delta Exports, Monthly Delivery Volume

No Action Alternative (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	408	671	720	586	581	644	214	207	366	714	724	671	5,728
20%	382	493	673	475	513	566	146	151	334	703	724	660	5,354
30%	355	424	642	422	467	503	133	121	303	667	717	560	5,075
40%	331	378	557	415	406	443	123	110	244	641	703	533	4,832
50%	308	336	505	400	369	400	109	104	211	598	680	452	4,605
60%	284	303	485	380	347	323	102	99	178	542	592	390	4,331
70%	259	289	446	336	306	281	95	92	142	508	488	334	3,851
80%	225	266	380	302	252	198	89	92	97	360	403	285	3,592
90%	157	200	254	276	188	132	81	92	88	225	212	258	2,861
Long Term													
Full Simulation Period[a]	304	378	514	403	386	394	133	142	234	538	558	457	4,441
Water Year Types[b]													
Wet (32%)	353	446	558	488	526	576	179	210	367	601	708	521	5,533
Above Normal (15%)	246	398	557	406	404	473	124	116	293	502	719	593	4,830
Below Normal (17%)	327	369	543	353	361	395	126	120	202	617	602	552	4,565
Dry (22%)	281	333	527	387	290	239	110	114	125	578	455	340	3,778
Critical (15%)	261	287	322	301	243	151	84	85	91	285	175	248	2,532

Alternative 4 H3 (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	172	360	595	363	312	289	164	129	213	722	616	338	3,199
20%	169	339	582	340	302	258	141	101	200	648	483	308	2,949
30%	167	303	512	319	281	228	103	96	184	565	368	276	2,686
40%	162	284	444	283	267	175	97	88	124	464	329	224	2,567
50%	156	258	422	262	208	153	92	84	100	376	299	135	2,481
60%	129	118	400	175	159	112	86	76	100	297	262	20	2,385
70%	62	0	375	125	136	97	75	66	96	244	232	6	2,270
80%	31	0	329	96	99	86	66	58	84	147	212	0	2,072
90%	1	0	198	96	63	37	55	46	62	79	177	0	1,916
Long Term													
Full Simulation Period[a]	116	184	421	225	199	163	96	84	129	400	337	156	2,510
Water Year Types[b]													
Wet (32%)	114	162	405	227	159	128	87	78	159	510	378	12	2,419
Above Normal (15%)	112	171	444	223	190	120	97	85	164	511	425	75	2,618
Below Normal (17%)	94	182	475	236	244	261	116	93	131	473	405	333	3,043
Dry (22%)	131	201	431	229	222	189	106	93	96	305	278	286	2,567
Critical (15%)	125	223	358	206	208	125	79	68	73	112	167	148	1,893

Alternative 4 H3 (LLT) minus No Action Alternative (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	-237	-311	-125	-222	-268	-355	-50	-78	-154	8	-108	-333	-2,528
20%	-213	-155	-91	-136	-211	-308	-5	-49	-134	-55	-242	-351	-2,405
30%	-188	-121	-131	-102	-186	-275	-30	-24	-118	-102	-350	-285	-2,390
40%	-169	-93	-113	-132	-139	-268	-26	-22	-120	-177	-374	-309	-2,265
50%	-152	-78	-83	-138	-161	-247	-17	-20	-111	-223	-381	-317	-2,124
60%	-155	-185	-84	-205	-188	-211	-16	-22	-79	-245	-330	-369	-1,946
70%	-197	-289	-70	-211	-169	-184	-20	-26	-46	-265	-255	-328	-1,582
80%	-194	-266	-51	-206	-153	-113	-24	-34	-13	-213	-191	-285	-1,520
90%	-156	-200	-57	-180	-125	-95	-26	-46	-26	-147	-35	-258	-945
Long Term													
Full Simulation Period[a]	-188	-193	-92	-178	-187	-231	-37	-58	-106	-138	-221	-301	-1,930
Water Year Types[b]													
Wet (32%)	-239	-285	-153	-261	-367	-448	-92	-132	-207	-92	-329	-509	-3,114
Above Normal (15%)	-134	-226	-113	-183	-213	-353	-27	-31	-129	9	-293	-519	-2,212
Below Normal (17%)	-232	-187	-68	-117	-116	-134	-10	-27	-70	-145	-197	-219	-1,521
Dry (22%)	-149	-131	-97	-158	-68	-50	-4	-21	-29	-273	-177	-54	-1,211
Critical (15%)	-136	-64	36	-95	-35	-26	-4	-17	-17	-173	-8	-100	-639

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-12-2-20. South Delta Exports, Monthly Delivery Volume

No Action Alternative (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	408	671	720	586	581	644	214	207	366	714	724	671	5,728
20%	382	493	673	475	513	566	146	151	334	703	724	660	5,354
30%	355	424	642	422	467	503	133	121	303	667	717	560	5,075
40%	331	378	557	415	406	443	123	110	244	641	703	533	4,832
50%	308	336	505	400	369	400	109	104	211	598	680	452	4,605
60%	284	303	485	380	347	323	102	99	178	542	592	390	4,331
70%	259	289	446	336	306	281	95	92	142	508	488	334	3,851
80%	225	266	380	302	252	198	89	92	97	360	403	285	3,592
90%	157	200	254	276	188	132	81	92	88	225	212	258	2,861
Long Term													
Full Simulation Period[a]	304	378	514	403	386	394	133	142	234	538	558	457	4,441
Water Year Types[b]													
Wet (32%)	353	446	558	488	526	576	179	210	367	601	708	521	5,533
Above Normal (15%)	246	398	557	406	404	473	124	116	293	502	719	593	4,830
Below Normal (17%)	327	369	543	353	361	395	126	120	202	617	602	552	4,565
Dry (22%)	281	333	527	387	290	239	110	114	125	578	455	340	3,778
Critical (15%)	261	287	322	301	243	151	84	85	91	285	175	248	2,532

Alternative 4 H4 (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	172	365	585	363	308	255	102	100	179	626	523	374	2,808
20%	169	319	529	339	289	221	89	92	121	503	487	321	2,614
30%	166	300	469	317	275	148	80	86	100	431	448	295	2,539
40%	163	278	437	287	247	103	64	76	97	356	409	266	2,433
50%	158	263	420	264	197	96	51	59	77	306	340	143	2,263
60%	130	59	388	222	159	50	47	50	45	273	295	29	2,156
70%	67	0	377	119	128	23	30	39	15	194	244	0	2,024
80%	24	0	326	96	89	0	3	8	1	140	209	0	1,916
90%	0	0	253	96	5	0	0	0	0	66	195	0	1,747
Long Term													
Full Simulation Period[a]	116	180	414	229	189	107	56	61	76	328	350	163	2,270
Water Year Types[b]													
Wet (32%)	109	174	415	227	139	95	63	61	81	402	355	7	2,129
Above Normal (15%)	110	169	438	258	186	88	40	41	73	304	376	57	2,140
Below Normal (17%)	91	169	466	233	241	113	50	60	102	413	434	341	2,714
Dry (22%)	136	184	404	230	216	126	56	75	65	305	360	322	2,480
Critical (15%)	138	213	341	199	198	114	64	58	57	125	201	161	1,870

Alternative 4 H4 (LLT) minus No Action Alternative (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	-236	-306	-135	-222	-273	-389	-111	-107	-187	-88	-201	-297	-2,920
20%	-213	-174	-144	-136	-224	-345	-57	-58	-213	-200	-237	-339	-2,739
30%	-189	-124	-173	-104	-192	-355	-53	-34	-203	-236	-269	-265	-2,536
40%	-168	-100	-120	-128	-159	-340	-59	-34	-147	-285	-294	-267	-2,399
50%	-151	-72	-85	-136	-172	-304	-58	-45	-134	-292	-340	-308	-2,342
60%	-153	-243	-96	-158	-188	-273	-55	-49	-133	-270	-297	-360	-2,175
70%	-193	-289	-68	-217	-178	-257	-65	-54	-127	-315	-243	-334	-1,828
80%	-201	-266	-54	-206	-162	-198	-86	-85	-96	-220	-194	-285	-1,676
90%	-157	-200	-1	-180	-184	-132	-81	-92	-88	-159	-17	-258	-1,113
Long Term													
Full Simulation Period[a]	-187	-197	-100	-174	-197	-287	-77	-81	-158	-210	-208	-294	-2,171
Water Year Types[b]													
Wet (32%)	-244	-272	-142	-261	-386	-481	-116	-149	-286	-199	-353	-514	-3,404
Above Normal (15%)	-136	-229	-119	-147	-217	-385	-84	-75	-220	-198	-343	-536	-2,690
Below Normal (17%)	-235	-200	-77	-120	-119	-282	-76	-60	-100	-204	-168	-211	-1,851
Dry (22%)	-145	-148	-124	-157	-74	-113	-54	-39	-60	-273	-95	-18	-1,299
Critical (15%)	-123	-74	19	-102	-44	-37	-20	-27	-34	-160	26	-86	-662

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-12-2-21. South Delta Exports, Monthly Delivery Volume

No Action Alternative (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	408	671	720	586	581	644	214	207	366	714	724	671	5,728
20%	382	493	673	475	513	566	146	151	334	703	724	660	5,354
30%	355	424	642	422	467	503	133	121	303	667	717	560	5,075
40%	331	378	557	415	406	443	123	110	244	641	703	533	4,832
50%	308	336	505	400	369	400	109	104	211	598	680	452	4,605
60%	284	303	485	380	347	323	102	99	178	542	592	390	4,331
70%	259	289	446	336	306	281	95	92	142	508	488	334	3,851
80%	225	266	380	302	252	198	89	92	97	360	403	285	3,592
90%	157	200	254	276	188	132	81	92	88	225	212	258	2,861
Long Term													
Full Simulation Period[a]	304	378	514	403	386	394	133	142	234	538	558	457	4,441
Water Year Types[b]													
Wet (32%)	353	446	558	488	526	576	179	210	367	601	708	521	5,533
Above Normal (15%)	246	398	557	406	404	473	124	116	293	502	719	593	4,830
Below Normal (17%)	327	369	543	353	361	395	126	120	202	617	602	552	4,565
Dry (22%)	281	333	527	387	290	239	110	114	125	578	455	340	3,778
Critical (15%)	261	287	322	301	243	151	84	85	91	285	175	248	2,532

Alternative 5 (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	370	517	717	495	550	612	214	207	401	690	695	337	4,469
20%	323	427	689	436	472	529	188	152	346	690	618	310	4,240
30%	271	321	652	421	402	426	141	126	316	657	532	275	4,096
40%	237	297	580	410	373	389	129	112	239	613	456	242	3,956
50%	197	261	527	391	349	326	123	105	209	553	383	205	3,701
60%	173	150	481	351	310	284	109	98	189	467	283	148	3,554
70%	116	4	455	308	276	229	102	92	100	405	241	120	3,151
80%	92	0	418	266	213	196	95	92	100	259	165	44	2,854
90%	52	0	308	154	165	132	89	92	70	78	132	0	2,190
Long Term													
Full Simulation Period[a]	210	232	522	364	348	353	140	137	229	475	390	195	3,595
Water Year Types[b]													
Wet (32%)	245	256	539	452	449	496	175	192	362	585	491	151	4,394
Above Normal (15%)	195	249	537	383	356	420	124	118	282	530	568	152	3,914
Below Normal (17%)	184	220	536	348	322	365	140	123	212	584	447	310	3,792
Dry (22%)	205	215	576	332	281	226	131	119	117	404	240	235	3,082
Critical (15%)	188	203	375	222	250	150	95	77	78	161	149	138	2,087

Alternative 5 (LLT) minus No Action Alternative (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	-39	-154	-3	-91	-31	-32	0	0	35	-23	-29	-334	-1,259
20%	-60	-67	16	-40	-41	-37	42	2	12	-13	-106	-350	-1,113
30%	-83	-104	10	-1	-65	-77	8	6	14	-10	-185	-286	-980
40%	-94	-81	23	-4	-33	-54	6	2	-5	-28	-247	-291	-875
50%	-111	-74	22	-9	-20	-74	14	1	-2	-45	-298	-247	-904
60%	-111	-152	-4	-29	-37	-39	7	-1	11	-75	-309	-241	-777
70%	-143	-286	9	-28	-30	-52	7	0	-42	-104	-247	-214	-700
80%	-134	-266	38	-36	-39	-3	6	0	2	-101	-239	-241	-738
90%	-105	-200	54	-122	-23	0	8	0	-18	-148	-81	-258	-670
Long Term													
Full Simulation Period[a]	-94	-146	8	-39	-38	-41	7	-5	-5	-63	-168	-262	-845
Water Year Types[b]													
Wet (32%)	-109	-190	-19	-36	-76	-80	-4	-19	-4	-16	-217	-370	-1,139
Above Normal (15%)	-52	-148	-20	-22	-47	-53	0	1	-10	28	-151	-441	-916
Below Normal (17%)	-143	-149	-7	-5	-38	-29	14	4	10	-33	-154	-242	-773
Dry (22%)	-76	-117	48	-55	-9	-13	21	5	-7	-174	-215	-104	-696
Critical (15%)	-73	-84	53	-80	8	-1	11	-8	-13	-124	-26	-109	-445

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-12-2-22. South Delta Exports, Monthly Delivery Volume

No Action Alternative (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	408	671	720	586	581	644	214	207	366	714	724	671	5,728
20%	382	493	673	475	513	566	146	151	334	703	724	660	5,354
30%	355	424	642	422	467	503	133	121	303	667	717	560	5,075
40%	331	378	557	415	406	443	123	110	244	641	703	533	4,832
50%	308	336	505	400	369	400	109	104	211	598	680	452	4,605
60%	284	303	485	380	347	323	102	99	178	542	592	390	4,331
70%	259	289	446	336	306	281	95	92	142	508	488	334	3,851
80%	225	266	380	302	252	198	89	92	97	360	403	285	3,592
90%	157	200	254	276	188	132	81	92	88	225	212	258	2,861
Long Term													
Full Simulation Period[a]	304	378	514	403	386	394	133	142	234	538	558	457	4,441
Water Year Types[b]													
Wet (32%)	353	446	558	488	526	576	179	210	367	601	708	521	5,533
Above Normal (15%)	246	398	557	406	404	473	124	116	293	502	719	593	4,830
Below Normal (17%)	327	369	543	353	361	395	126	120	202	617	602	552	4,565
Dry (22%)	281	333	527	387	290	239	110	114	125	578	455	340	3,778
Critical (15%)	261	287	322	301	243	151	84	85	91	285	175	248	2,532

Alternative 6A,6B,6C (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	0	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0	0
Long Term													
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]													
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (17%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Dry (22%)	0	0	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0	0

Alternative 6A,6B,6C (LLT) minus No Action Alternative (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	-408	-671	-720	-586	-581	-644	-214	-207	-366	-714	-724	-671	-5,728
20%	-382	-493	-673	-475	-513	-566	-146	-151	-334	-703	-724	-660	-5,354
30%	-355	-424	-642	-422	-467	-503	-133	-121	-303	-667	-717	-560	-5,075
40%	-331	-378	-557	-415	-406	-443	-123	-110	-244	-641	-703	-533	-4,832
50%	-308	-336	-505	-400	-369	-400	-109	-104	-211	-598	-680	-452	-4,605
60%	-284	-303	-485	-380	-347	-323	-102	-99	-178	-542	-592	-390	-4,331
70%	-259	-289	-446	-336	-306	-281	-95	-92	-142	-508	-488	-334	-3,851
80%	-225	-266	-380	-302	-252	-198	-89	-92	-97	-360	-403	-285	-3,592
90%	-157	-200	-254	-276	-188	-132	-81	-92	-88	-225	-212	-258	-2,861
Long Term													
Full Simulation Period[a]	-304	-378	-514	-403	-386	-394	-133	-142	-234	-538	-558	-457	-4,441
Water Year Types[b]													
Wet (32%)	-353	-446	-558	-488	-526	-576	-179	-210	-367	-601	-708	-521	-5,533
Above Normal (15%)	-246	-398	-557	-406	-404	-473	-124	-116	-293	-502	-719	-593	-4,830
Below Normal (17%)	-327	-369	-543	-353	-361	-395	-126	-120	-202	-617	-602	-552	-4,565
Dry (22%)	-281	-333	-527	-387	-290	-239	-110	-114	-125	-578	-455	-340	-3,778
Critical (15%)	-261	-287	-322	-301	-243	-151	-84	-85	-91	-285	-175	-248	-2,532

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-12-2-23. South Delta Exports, Monthly Delivery Volume

No Action Alternative (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	408	671	720	586	581	644	214	207	366	714	724	671	5,728
20%	382	493	673	475	513	566	146	151	334	703	724	660	5,354
30%	355	424	642	422	467	503	133	121	303	667	717	560	5,075
40%	331	378	557	415	406	443	123	110	244	641	703	533	4,832
50%	308	336	505	400	369	400	109	104	211	598	680	452	4,605
60%	284	303	485	380	347	323	102	99	178	542	592	390	4,331
70%	259	289	446	336	306	281	95	92	142	508	488	334	3,851
80%	225	266	380	302	252	198	89	92	97	360	403	285	3,592
90%	157	200	254	276	188	132	81	92	88	225	212	258	2,861
Long Term													
Full Simulation Period[a]	304	378	514	403	386	394	133	142	234	538	558	457	4,441
Water Year Types[b]													
Wet (32%)	353	446	558	488	526	576	179	210	367	601	708	521	5,533
Above Normal (15%)	246	398	557	406	404	473	124	116	293	502	719	593	4,830
Below Normal (17%)	327	369	543	353	361	395	126	120	202	617	602	552	4,565
Dry (22%)	281	333	527	387	290	239	110	114	125	578	455	340	3,778
Critical (15%)	261	287	322	301	243	151	84	85	91	285	175	248	2,532

Alternative 7 (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	0	0	55	199	307	316	0	0	0	811	660	341	2,179
20%	0	0	33	98	165	197	0	0	0	763	587	313	1,812
30%	0	0	10	62	122	102	0	0	0	697	504	277	1,680
40%	0	0	0	30	76	34	0	0	0	626	456	242	1,594
50%	0	0	0	19	29	13	0	0	0	561	430	168	1,445
60%	0	0	0	15	8	0	0	0	0	477	375	48	1,237
70%	0	0	0	0	0	0	0	0	0	336	341	0	1,060
80%	0	0	0	0	0	0	0	0	0	293	295	0	859
90%	0	0	0	0	0	0	0	0	0	240	252	0	739
Long Term													
Full Simulation Period[a]	0	0	33	65	86	84	0	0	7	536	442	163	1,417
Water Year Types[b]													
Wet (32%)	0	0	80	137	162	177	0	0	23	631	516	19	1,745
Above Normal (15%)	0	0	29	95	107	95	0	0	0	613	521	70	1,531
Below Normal (17%)	0	0	14	34	91	73	0	0	0	649	551	349	1,761
Dry (22%)	0	0	5	11	14	5	0	0	0	452	336	284	1,106
Critical (15%)	0	0	0	0	3	0	0	0	0	244	237	173	657

Alternative 7 (LLT) minus No Action Alternative (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	-408	-671	-665	-387	-274	-328	-214	-207	-366	98	-64	-331	-3,549
20%	-382	-493	-640	-377	-348	-368	-146	-151	-334	60	-137	-347	-3,541
30%	-355	-424	-632	-359	-345	-401	-133	-121	-303	29	-213	-283	-3,395
40%	-331	-378	-557	-385	-330	-408	-123	-110	-244	-15	-247	-291	-3,238
50%	-308	-336	-505	-381	-340	-387	-109	-104	-211	-37	-250	-284	-3,160
60%	-284	-303	-485	-365	-339	-323	-102	-99	-178	-65	-217	-342	-3,095
70%	-259	-289	-446	-336	-306	-281	-95	-92	-142	-172	-147	-334	-2,792
80%	-225	-266	-380	-302	-252	-198	-89	-92	-97	-67	-108	-285	-2,732
90%	-157	-200	-254	-276	-188	-132	-81	-92	-88	14	39	-258	-2,121
Long Term													
Full Simulation Period[a]	-304	-378	-481	-338	-300	-310	-133	-142	-227	-3	-115	-294	-3,024
Water Year Types[b]													
Wet (32%)	-353	-446	-478	-351	-363	-399	-179	-210	-343	30	-192	-502	-3,789
Above Normal (15%)	-246	-398	-528	-311	-296	-378	-124	-116	-293	111	-197	-523	-3,299
Below Normal (17%)	-327	-369	-529	-319	-270	-321	-126	-120	-202	31	-51	-203	-2,804
Dry (22%)	-281	-333	-522	-377	-276	-234	-110	-114	-125	-126	-119	-56	-2,672
Critical (15%)	-261	-287	-322	-301	-240	-151	-84	-85	-91	-40	62	-75	-1,875

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-12-2-24. South Delta Exports, Monthly Delivery Volume

No Action Alternative (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	408	671	720	586	581	644	214	207	366	714	724	671	5,728
20%	382	493	673	475	513	566	146	151	334	703	724	660	5,354
30%	355	424	642	422	467	503	133	121	303	667	717	560	5,075
40%	331	378	557	415	406	443	123	110	244	641	703	533	4,832
50%	308	336	505	400	369	400	109	104	211	598	680	452	4,605
60%	284	303	485	380	347	323	102	99	178	542	592	390	4,331
70%	259	289	446	336	306	281	95	92	142	508	488	334	3,851
80%	225	266	380	302	252	198	89	92	97	360	403	285	3,592
90%	157	200	254	276	188	132	81	92	88	225	212	258	2,861
Long Term													
Full Simulation Period[a]	304	378	514	403	386	394	133	142	234	538	558	457	4,441
Water Year Types[b]													
Wet (32%)	353	446	558	488	526	576	179	210	367	601	708	521	5,533
Above Normal (15%)	246	398	557	406	404	473	124	116	293	502	719	593	4,830
Below Normal (17%)	327	369	543	353	361	395	126	120	202	617	602	552	4,565
Dry (22%)	281	333	527	387	290	239	110	114	125	578	455	340	3,778
Critical (15%)	261	287	322	301	243	151	84	85	91	285	175	248	2,532

Alternative 8 (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	0	0	75	200	306	340	0	0	0	298	415	295	1,469
20%	0	0	31	122	177	198	0	0	0	226	382	269	1,196
30%	0	0	11	70	132	100	0	0	0	218	356	251	1,077
40%	0	0	0	31	76	35	0	0	0	207	333	198	872
50%	0	0	0	21	29	14	0	0	0	185	318	102	783
60%	0	0	0	15	8	0	0	0	0	158	303	0	746
70%	0	0	0	0	0	0	0	0	0	100	267	0	691
80%	0	0	0	0	0	0	0	0	0	79	242	0	610
90%	0	0	0	0	0	0	0	0	0	56	204	0	465
Long Term													
Full Simulation Period[a]	0	0	37	68	89	86	0	0	7	185	314	130	916
Water Year Types[b]													
Wet (32%)	0	0	90	145	178	188	0	0	23	238	409	1	1,274
Above Normal (15%)	0	0	28	92	103	90	0	0	0	97	346	46	802
Below Normal (17%)	0	0	16	35	82	72	0	0	0	136	291	290	922
Dry (22%)	0	0	5	11	14	5	0	0	0	185	267	243	729
Critical (15%)	0	0	0	0	3	0	0	0	0	215	173	137	528

Alternative 8 (LLT) minus No Action Alternative (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	-408	-671	-644	-386	-275	-304	-214	-207	-366	-415	-309	-376	-4,259
20%	-382	-493	-642	-353	-335	-368	-146	-151	-334	-477	-342	-391	-4,157
30%	-355	-424	-631	-352	-335	-402	-133	-121	-303	-449	-361	-310	-3,998
40%	-331	-378	-557	-383	-330	-408	-123	-110	-244	-434	-370	-335	-3,960
50%	-308	-336	-505	-379	-340	-386	-109	-104	-211	-413	-362	-349	-3,822
60%	-284	-303	-485	-365	-339	-323	-102	-99	-178	-384	-289	-390	-3,586
70%	-259	-289	-446	-336	-306	-281	-95	-92	-142	-408	-221	-334	-3,161
80%	-225	-266	-380	-302	-252	-198	-89	-92	-97	-281	-161	-285	-2,982
90%	-157	-200	-254	-276	-188	-132	-81	-92	-88	-170	-8	-258	-2,395
Long Term													
Full Simulation Period[a]	-304	-378	-477	-336	-297	-308	-133	-142	-227	-353	-244	-327	-3,525
Water Year Types[b]													
Wet (32%)	-353	-446	-467	-343	-347	-388	-179	-210	-343	-363	-299	-520	-4,260
Above Normal (15%)	-246	-398	-529	-314	-301	-383	-124	-116	-293	-405	-372	-547	-4,029
Below Normal (17%)	-327	-369	-527	-318	-278	-323	-126	-120	-202	-482	-311	-262	-3,643
Dry (22%)	-281	-333	-523	-376	-276	-235	-110	-114	-125	-393	-188	-97	-3,050
Critical (15%)	-261	-287	-322	-301	-240	-151	-84	-85	-91	-70	-2	-111	-2,004

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-12-2-25. South Delta Exports, Monthly Delivery Volume

No Action Alternative (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	408	671	720	586	581	644	214	207	366	714	724	671	5,728
20%	382	493	673	475	513	566	146	151	334	703	724	660	5,354
30%	355	424	642	422	467	503	133	121	303	667	717	560	5,075
40%	331	378	557	415	406	443	123	110	244	641	703	533	4,832
50%	308	336	505	400	369	400	109	104	211	598	680	452	4,605
60%	284	303	485	380	347	323	102	99	178	542	592	390	4,331
70%	259	289	446	336	306	281	95	92	142	508	488	334	3,851
80%	225	266	380	302	252	198	89	92	97	360	403	285	3,592
90%	157	200	254	276	188	132	81	92	88	225	212	258	2,861
Long Term													
Full Simulation Period[a]	304	378	514	403	386	394	133	142	234	538	558	457	4,441
Water Year Types[b]													
Wet (32%)	353	446	558	488	526	576	179	210	367	601	708	521	5,533
Above Normal (15%)	246	398	557	406	404	473	124	116	293	502	719	593	4,830
Below Normal (17%)	327	369	543	353	361	395	126	120	202	617	602	552	4,565
Dry (22%)	281	333	527	387	290	239	110	114	125	578	455	340	3,778
Critical (15%)	261	287	322	301	243	151	84	85	91	285	175	248	2,532

Alternative 9 (LLT)

	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	530	671	694	335	566	658	298	307	298	714	724	671	5,680
20%	428	618	694	317	306	324	298	307	298	714	724	653	5,276
30%	376	449	678	311	283	307	298	265	298	709	722	604	4,996
40%	342	393	643	310	278	307	298	215	208	697	708	559	4,709
50%	326	367	510	308	278	305	208	209	208	670	649	440	4,497
60%	314	337	383	306	271	222	206	206	204	626	600	383	4,245
70%	267	304	368	292	199	215	161	149	167	546	466	327	3,794
80%	239	284	361	222	166	174	89	86	89	474	326	276	3,472
90%	180	249	358	194	130	92	80	81	74	180	126	224	2,904
Long Term													
Full Simulation Period[a]	341	404	524	313	292	303	217	215	216	566	535	454	4,377
Water Year Types[b]													
Wet (32%)	384	458	489	370	429	471	304	325	328	647	702	556	5,463
Above Normal (15%)	313	406	550	274	244	335	280	246	258	692	709	563	4,871
Below Normal (17%)	326	412	551	272	253	272	224	191	183	624	607	535	4,448
Dry (22%)	335	378	580	301	217	179	132	144	144	521	386	323	3,641
Critical (15%)	300	317	455	293	199	128	83	80	76	262	140	224	2,556

Alternative 9 (LLT) minus No Action Alternative (LLT)

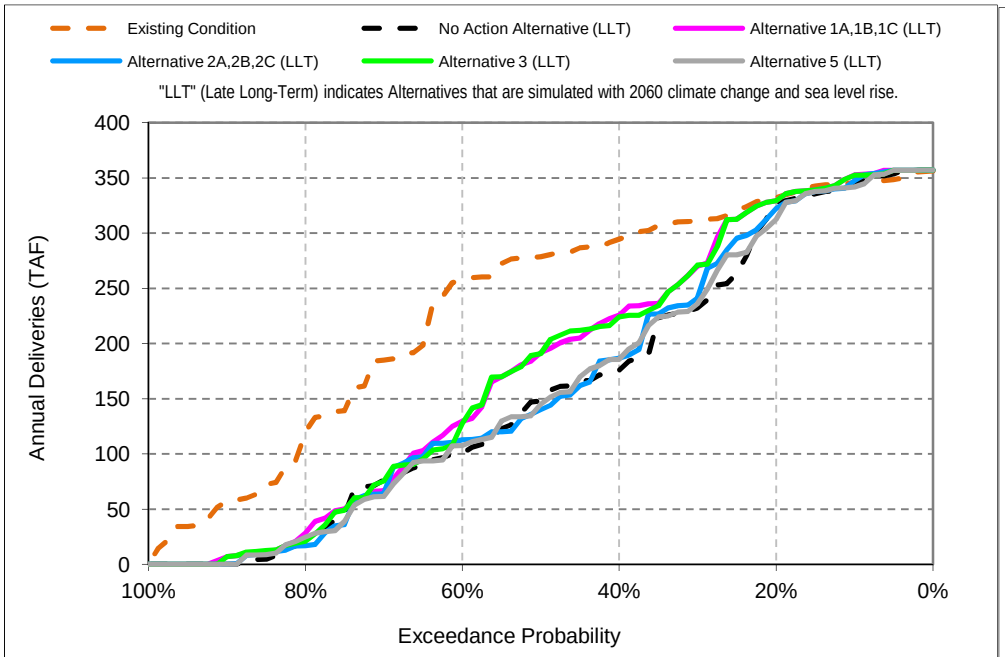
	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	122	0	-26	-251	-14	15	84	100	-69	0	0	0	-48
20%	46	124	21	-159	-206	-242	151	157	-37	11	0	-6	-77
30%	21	25	36	-110	-184	-195	165	144	-5	42	5	43	-79
40%	11	15	85	-105	-128	-135	174	105	-35	56	5	26	-123
50%	17	31	5	-92	-91	-95	99	105	-3	72	-31	-12	-108
60%	31	34	-101	-74	-77	-100	104	108	25	84	8	-7	-86
70%	8	15	-78	-44	-106	-66	66	57	24	38	-22	-7	-58
80%	14	17	-19	-80	-86	-24	0	-6	-8	115	-77	-9	-119
90%	23	49	103	-83	-58	-40	-1	-11	-14	-45	-87	-34	43
Long Term													
Full Simulation Period[a]	37	26	10	-91	-95	-91	84	73	-18	28	-23	-3	-63
Water Year Types[b]													
Wet (32%)	31	12	-68	-118	-97	-105	124	115	-38	45	-6	35	-71
Above Normal (15%)	67	8	-7	-131	-159	-138	156	130	-35	190	-10	-30	40
Below Normal (17%)	0	43	8	-81	-108	-123	98	71	-19	6	6	-17	-117
Dry (22%)	54	45	53	-86	-73	-60	22	30	19	-57	-69	-16	-138
Critical (15%)	39	30	132	-8	-44	-23	-1	-5	-14	-22	-36	-24	24

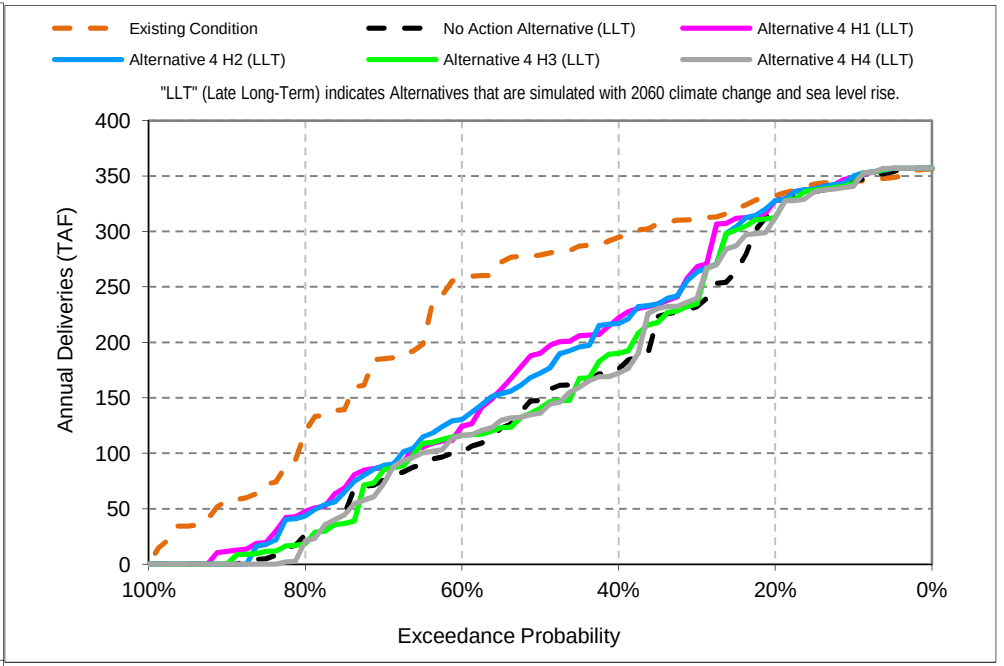
a Based on the 82-year simulation period

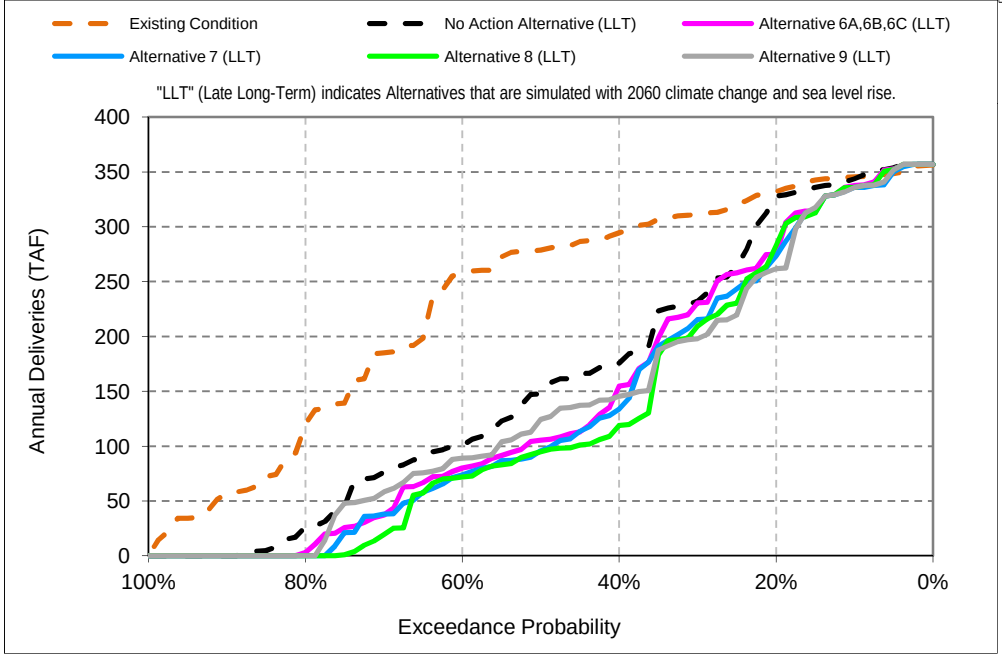
b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

C.13. SWP and CVP Deliveries



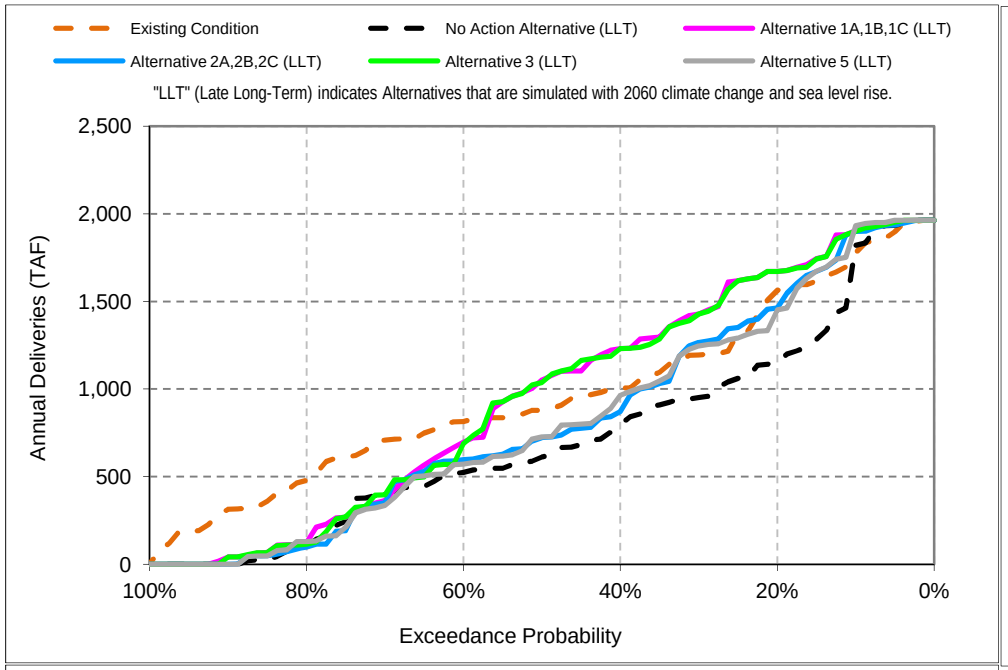


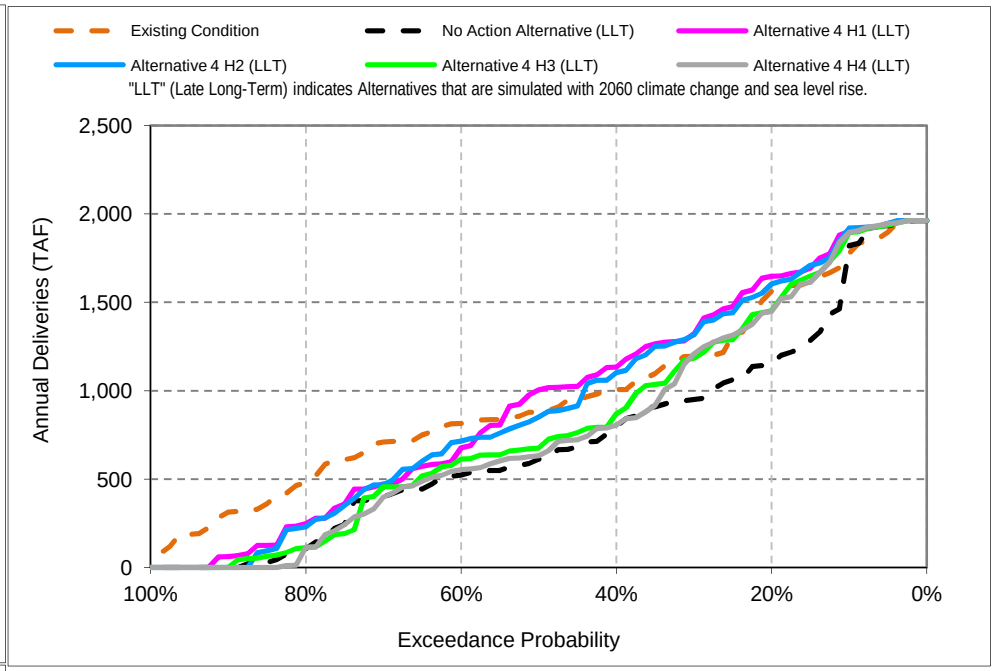


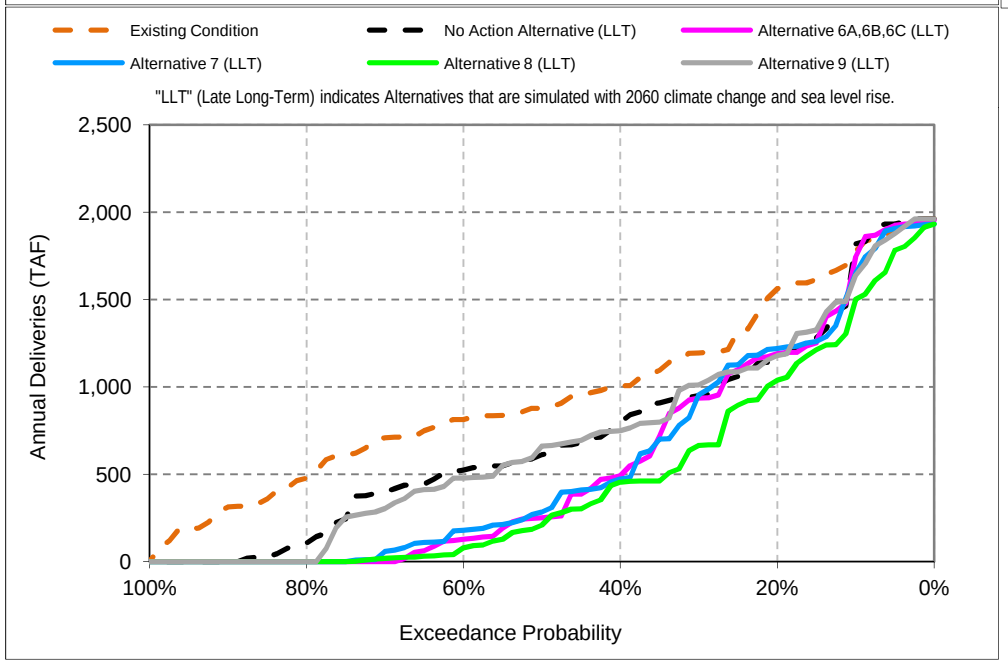
Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-13-1. Annual CVP North of Delta Agricultural Water Service Contract



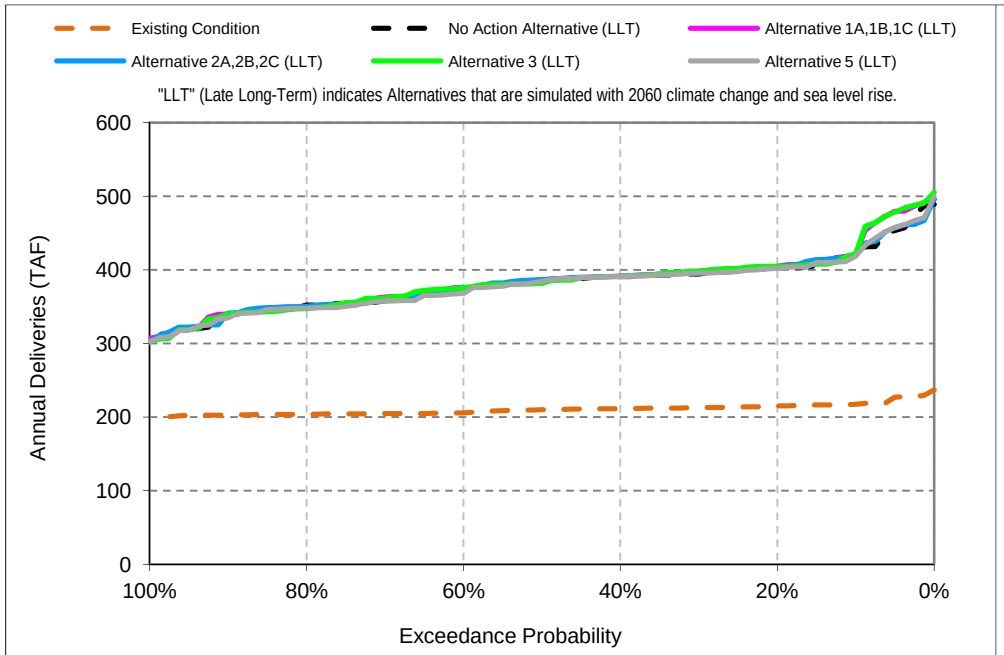


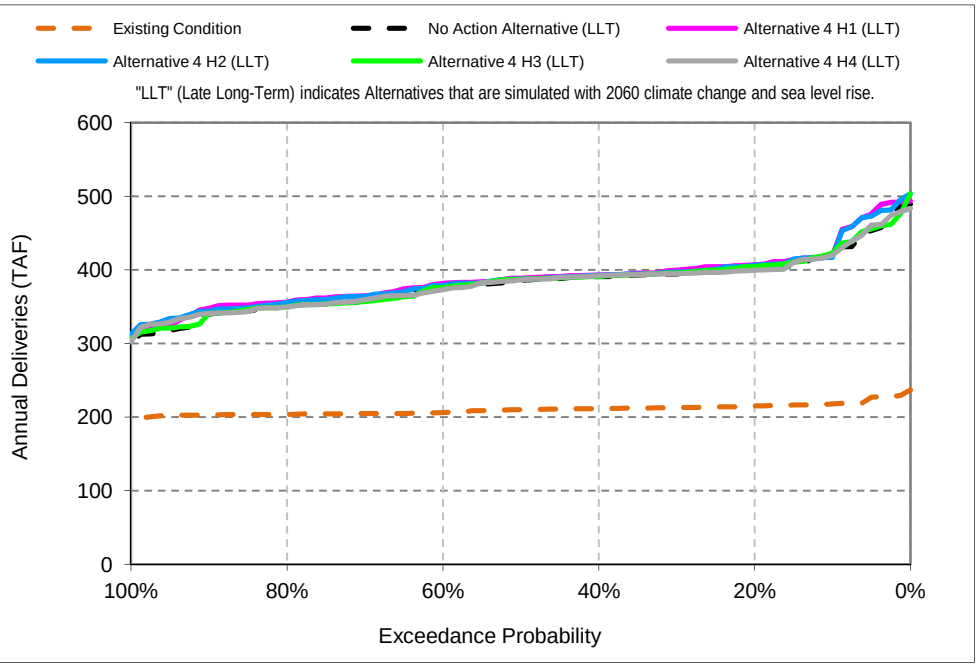


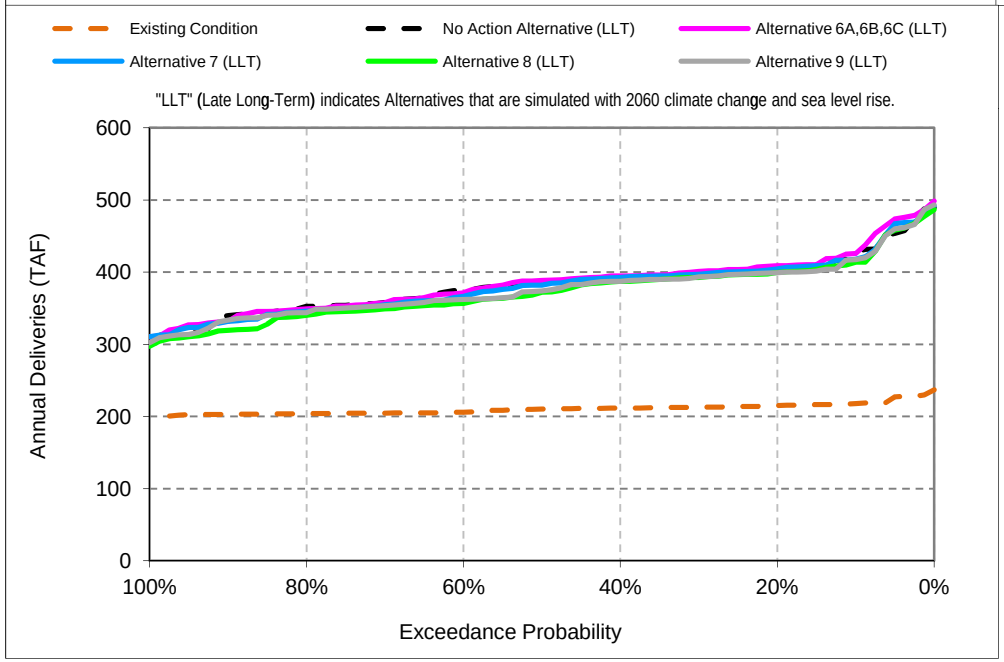
Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-13-2. Annual CVP South of Delta Agricultural Water Service Contract



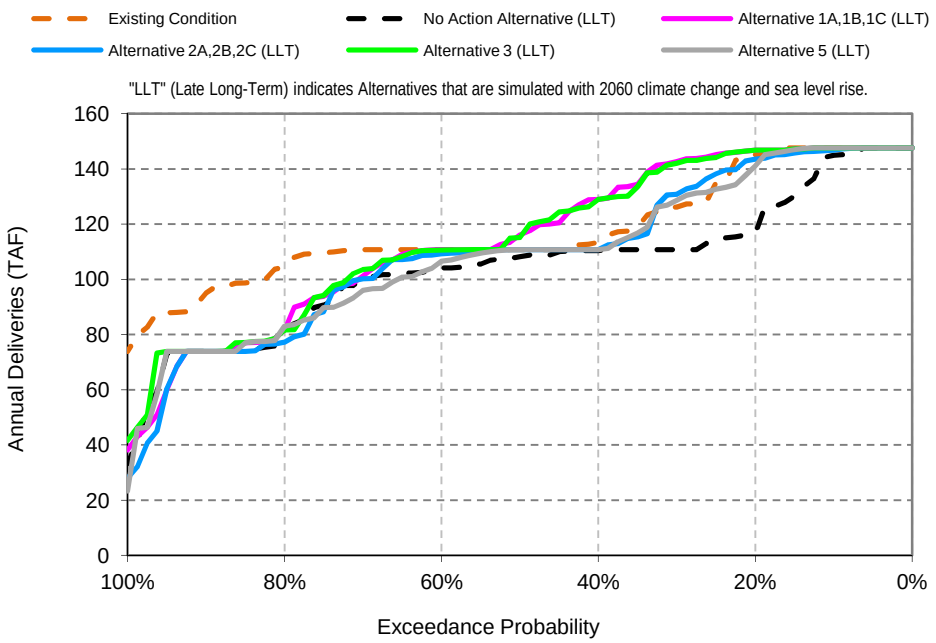


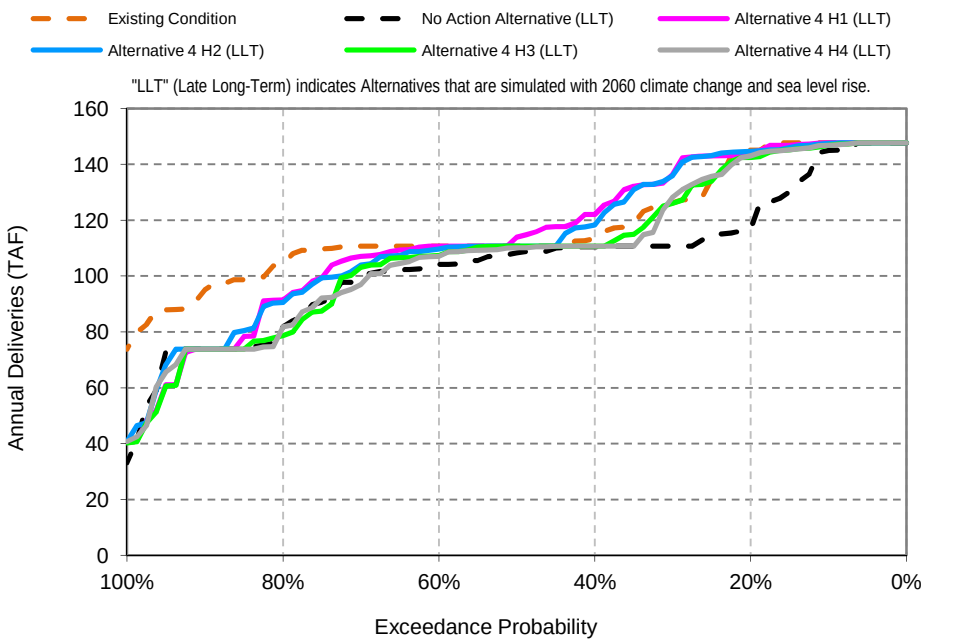


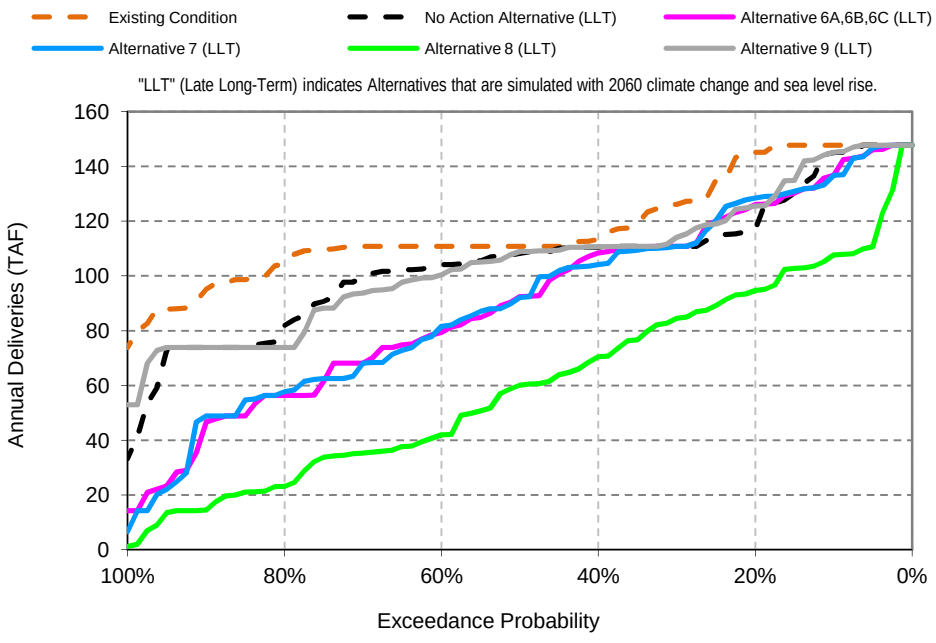
Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-13-3. Annual CVP North of Delta M&I Water Service Contract Deliveries



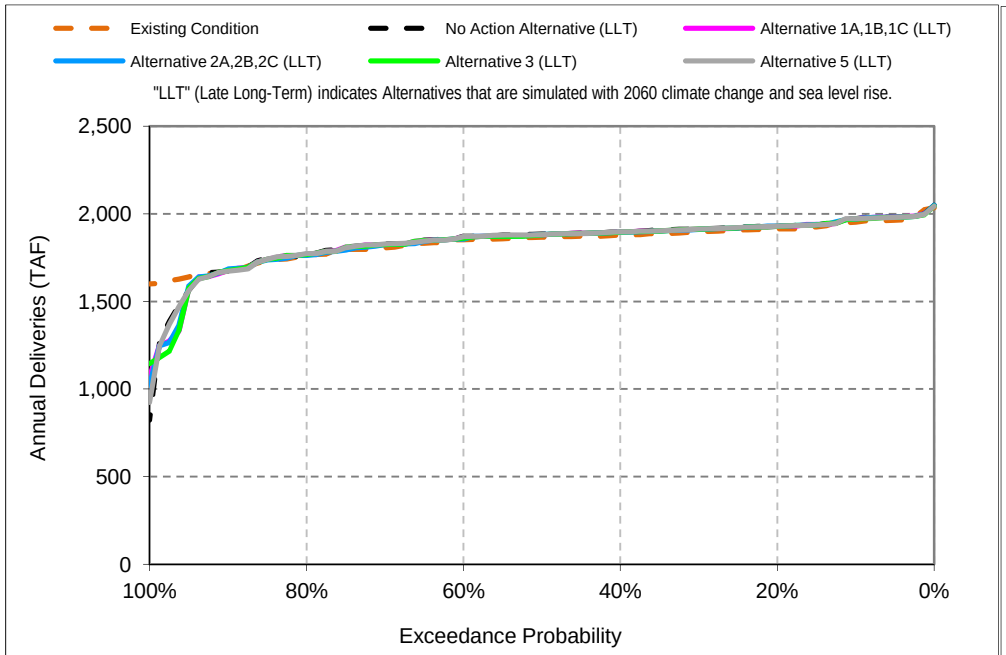


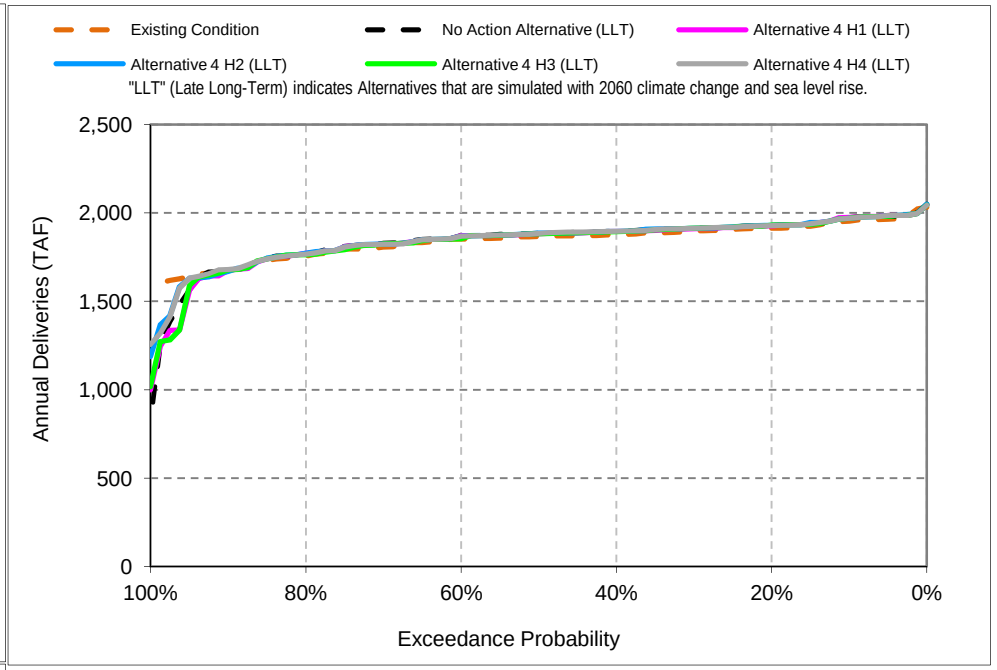


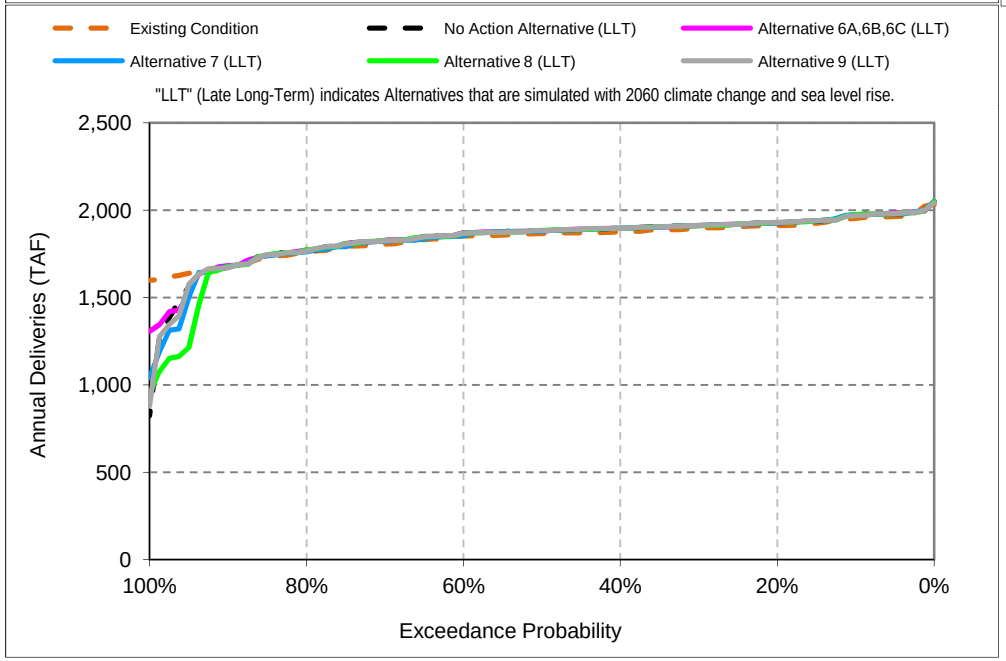
Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-13-4. Annual CVP South of Delta M&I Water Service Contract Deliveries



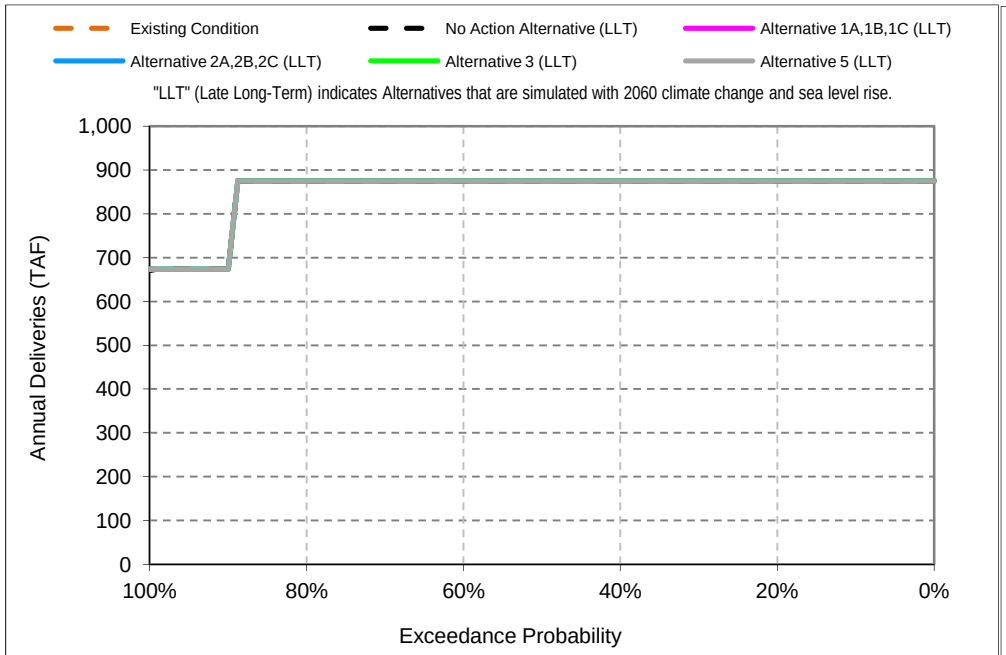


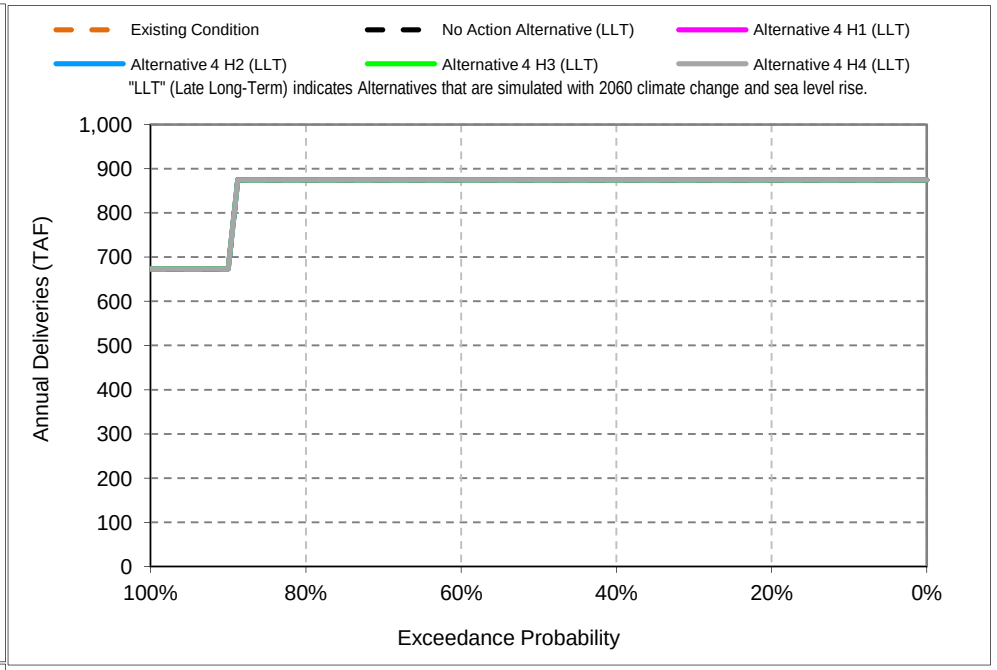


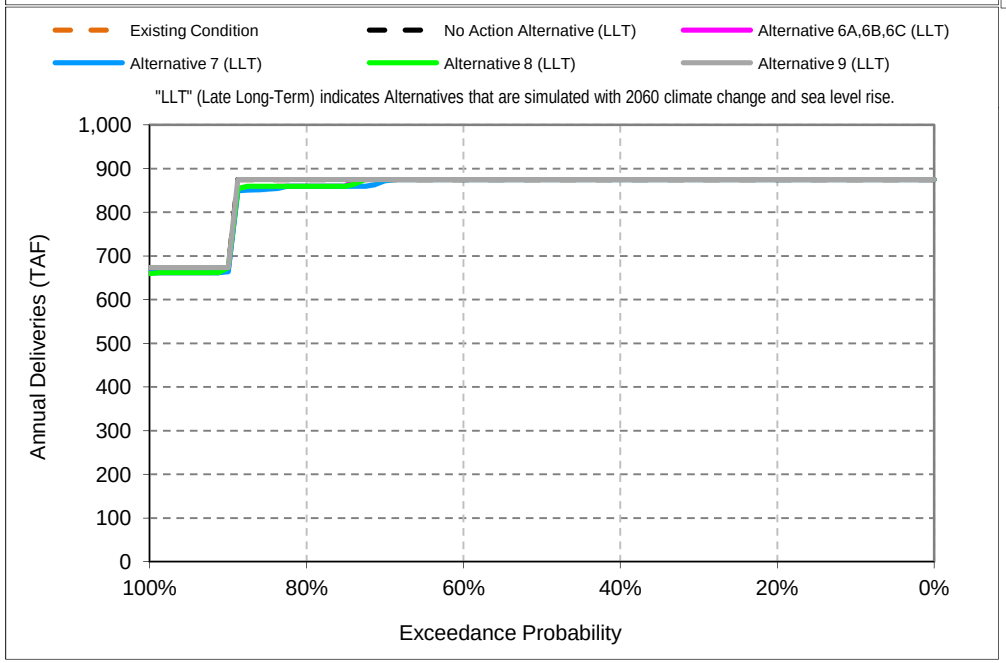
Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-13-5. Total Annual CVP Settlement Contactor Deliveries



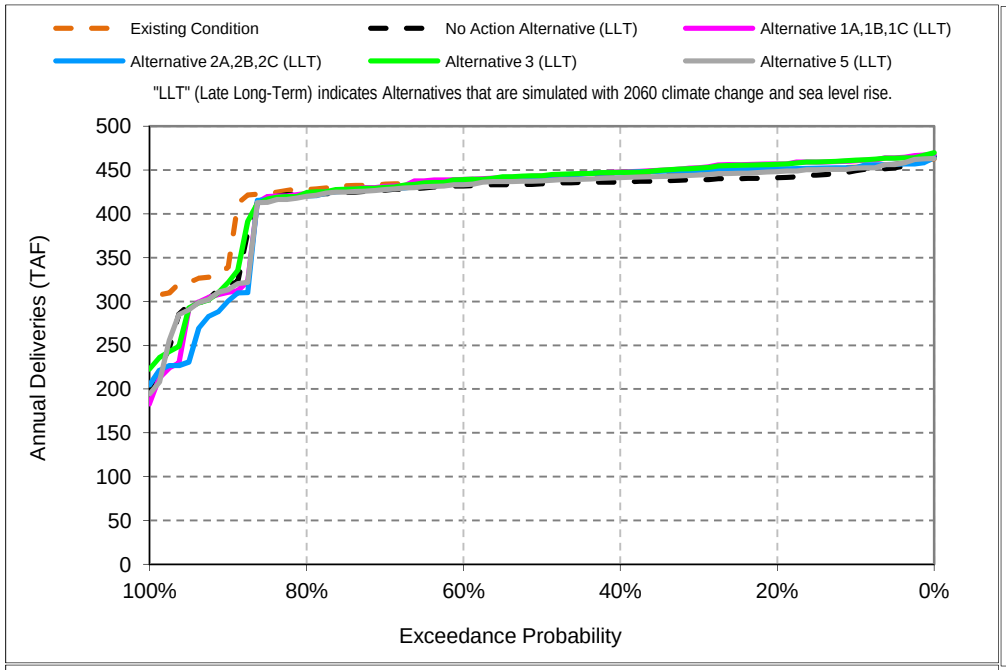


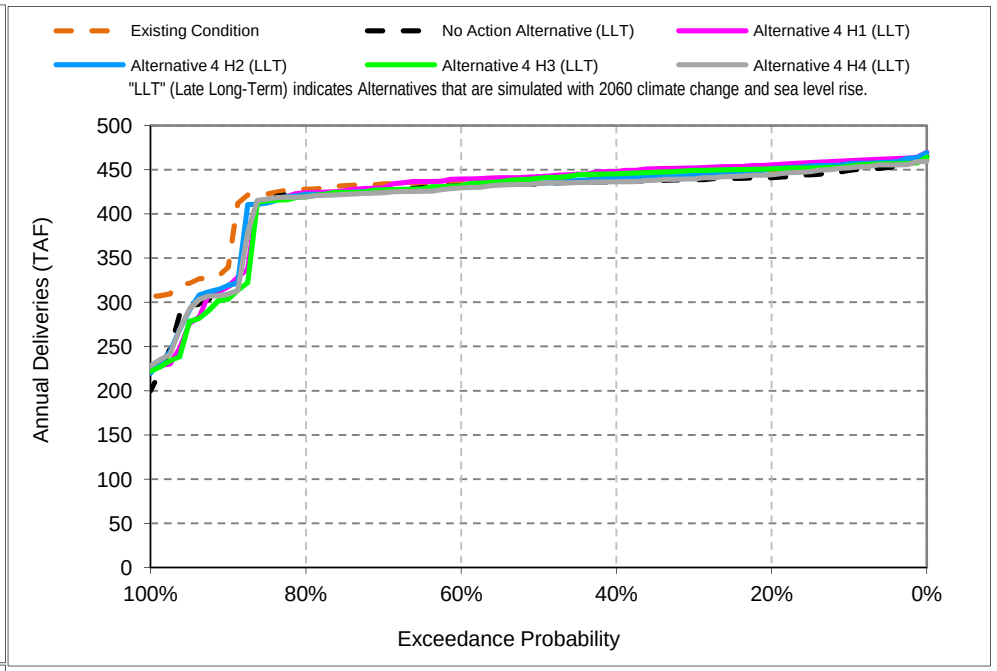


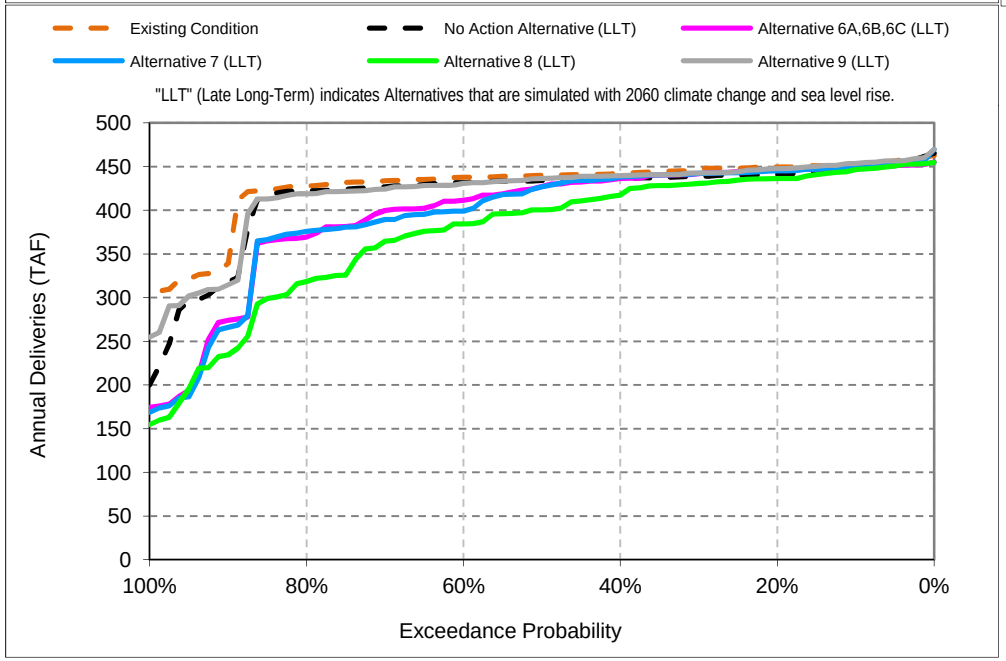
Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-13-6. Total Annual CVP Exchange Contactor Deliveries



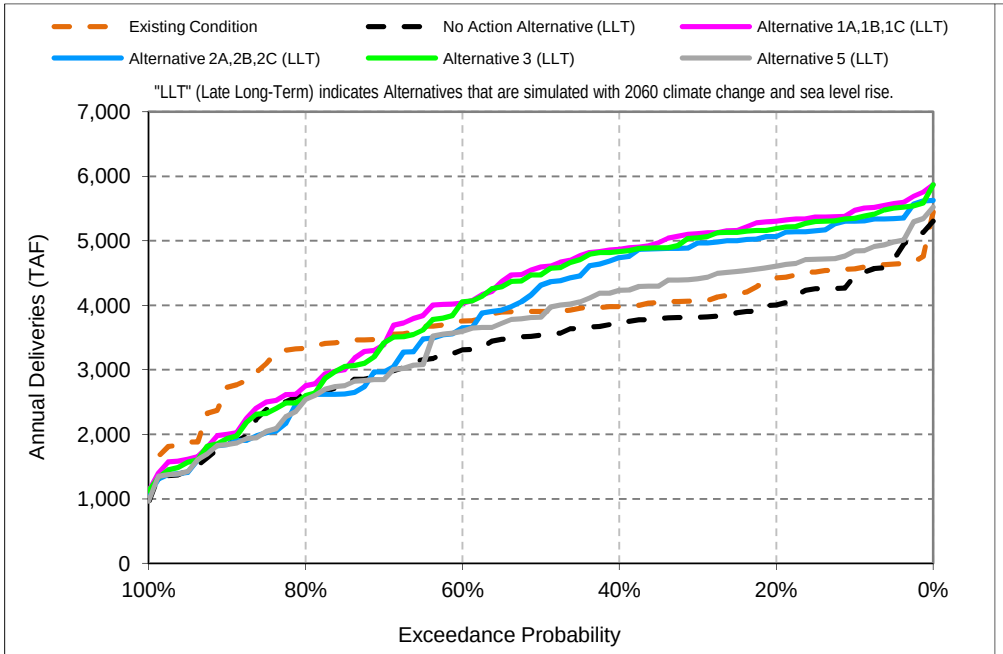


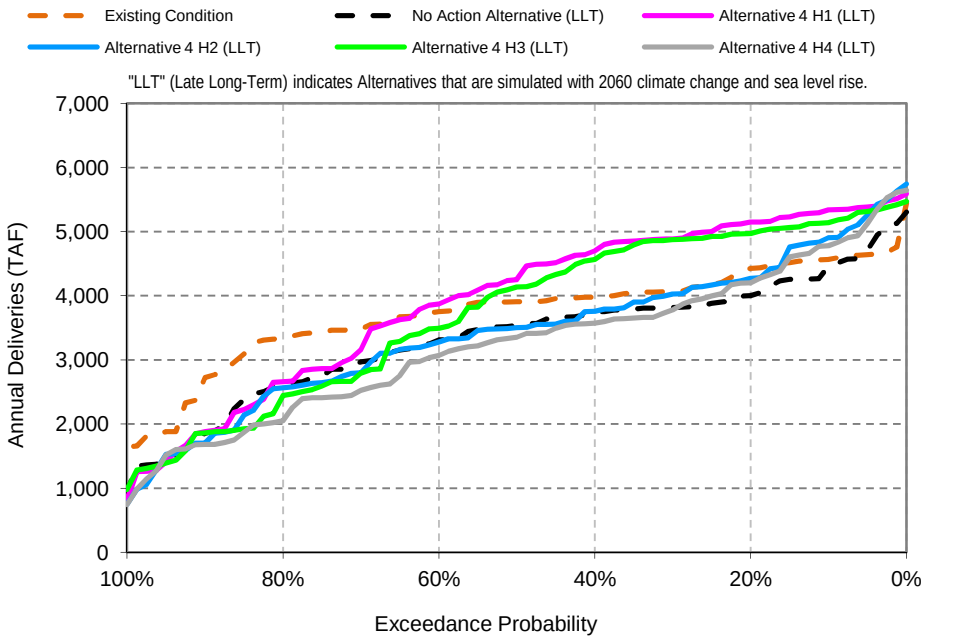


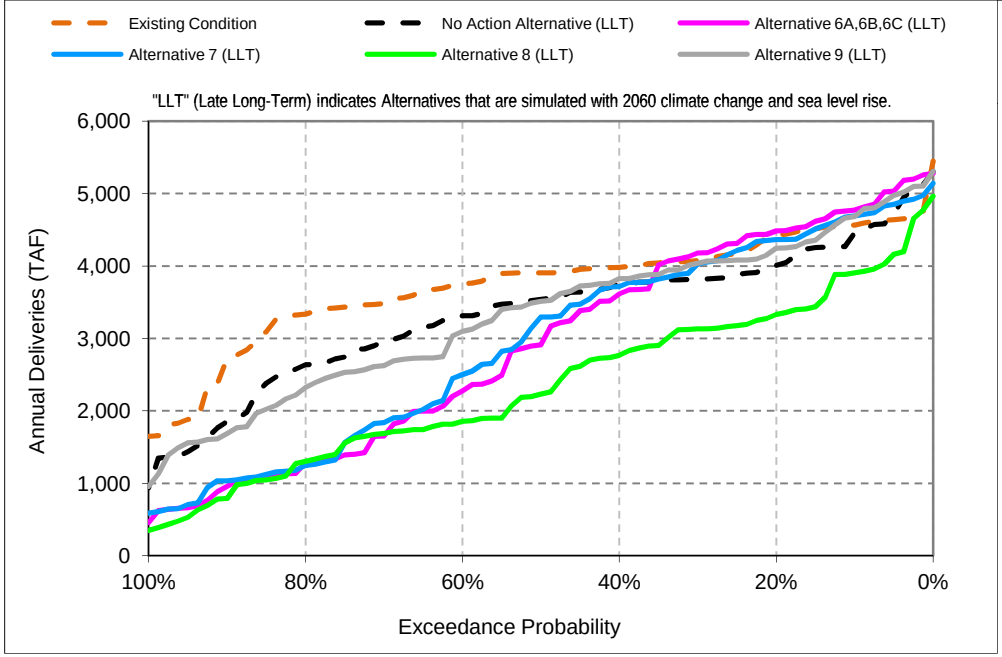
Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-13-7. Total Annual CVP Refuge Level 2 Deliveries



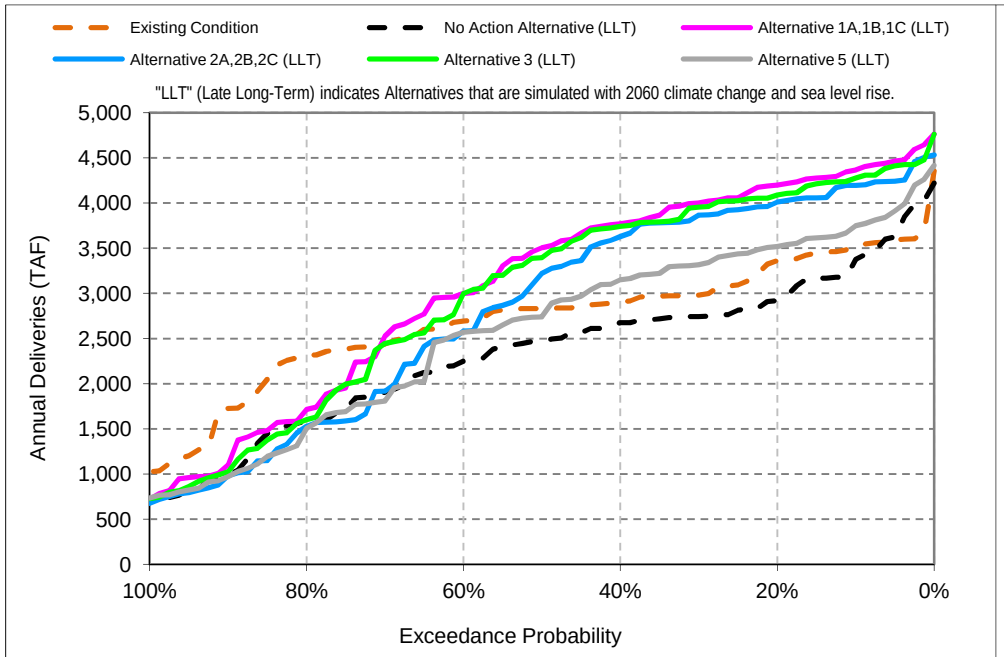


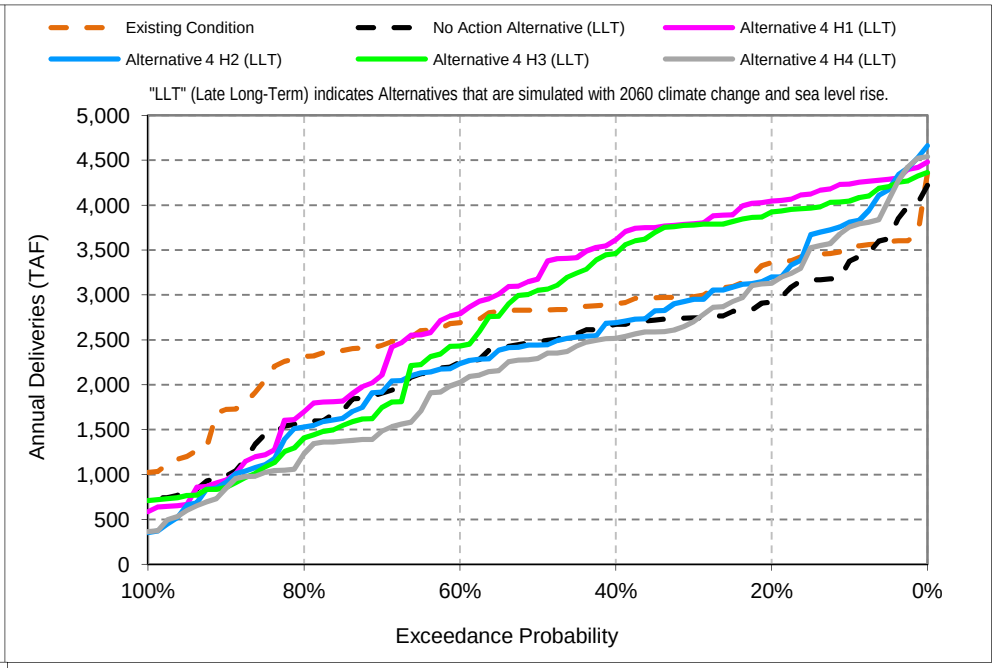


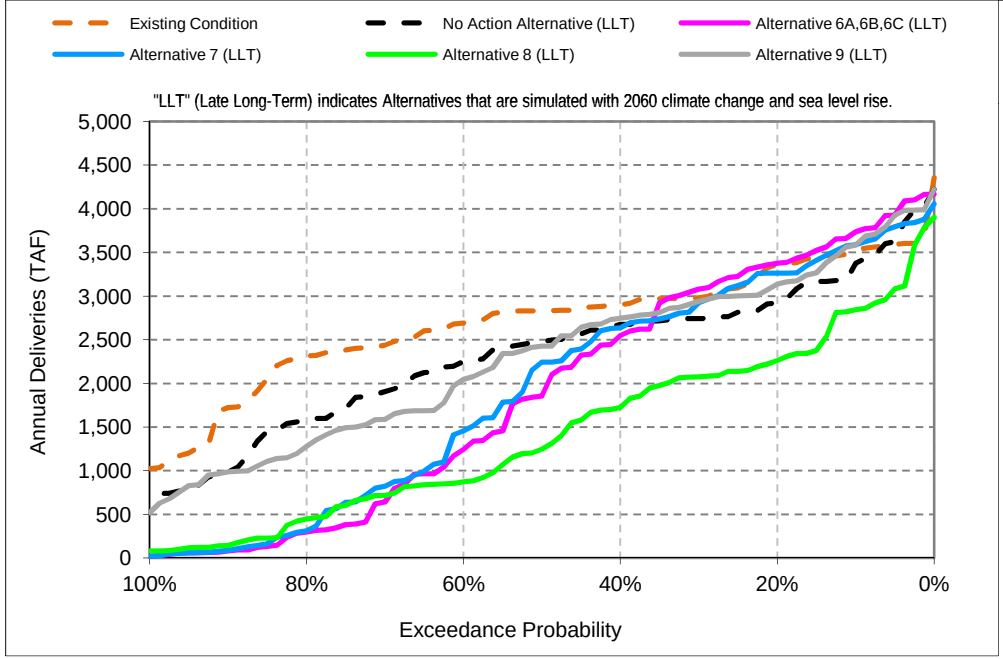
Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-13-8. Total Annual SWP Deliveries



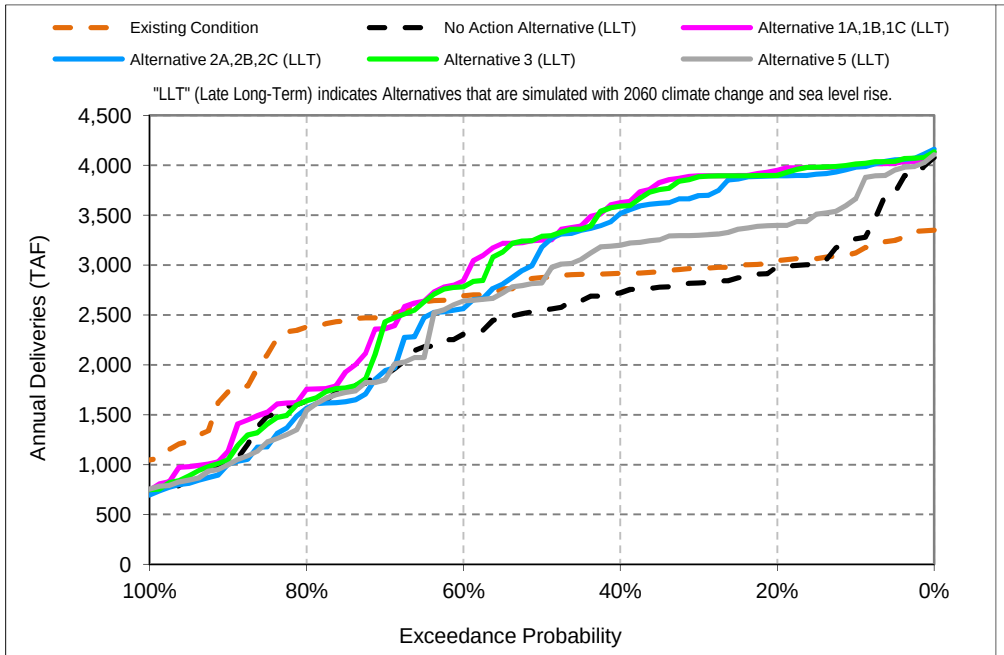


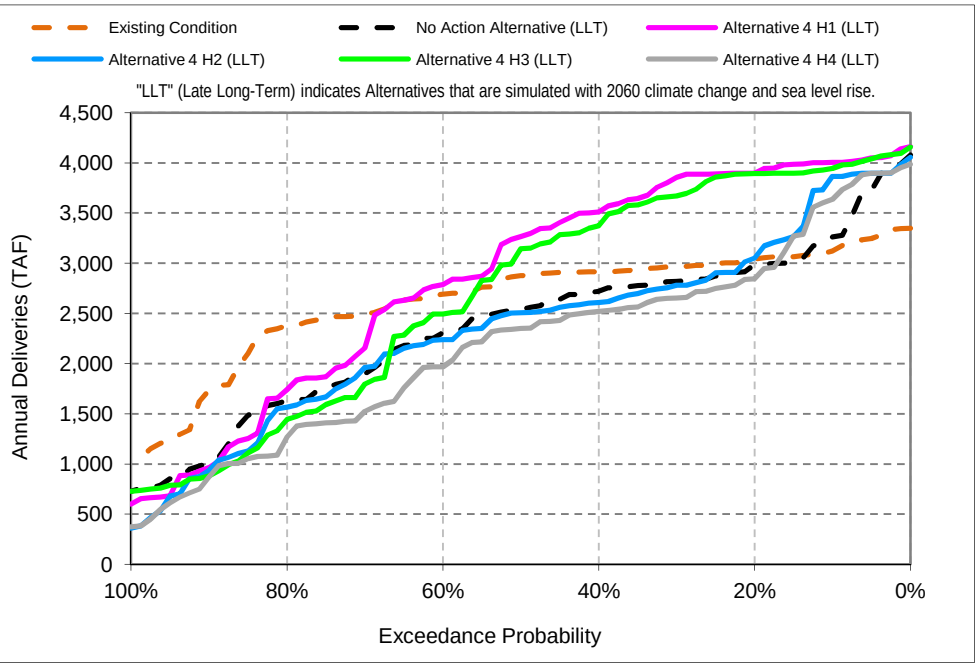


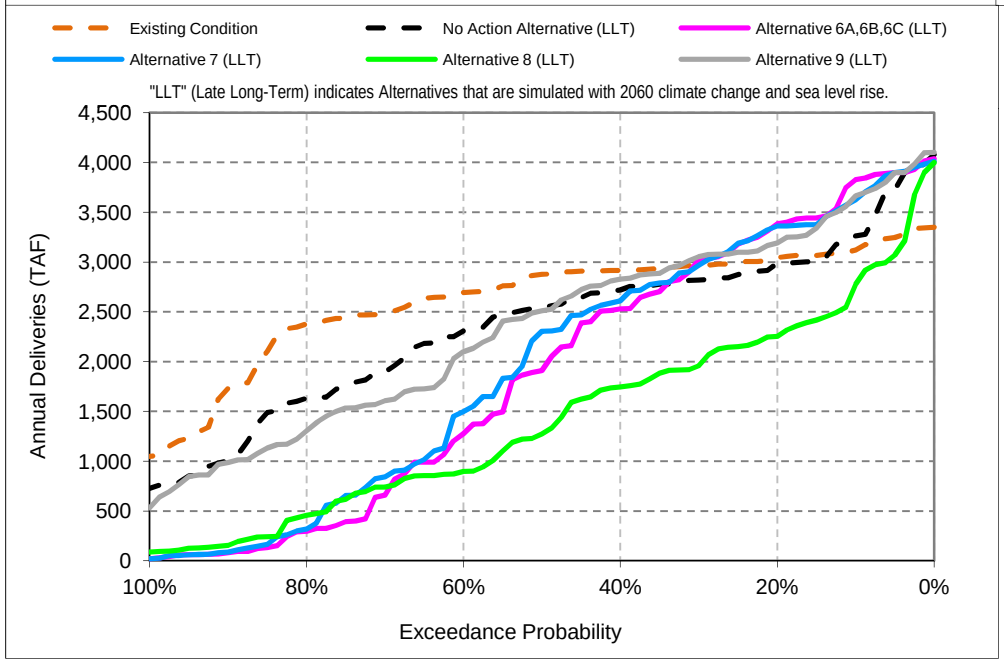
Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-13-9. Total Annual SWP South of Delta Deliveries including Article 21 and 56



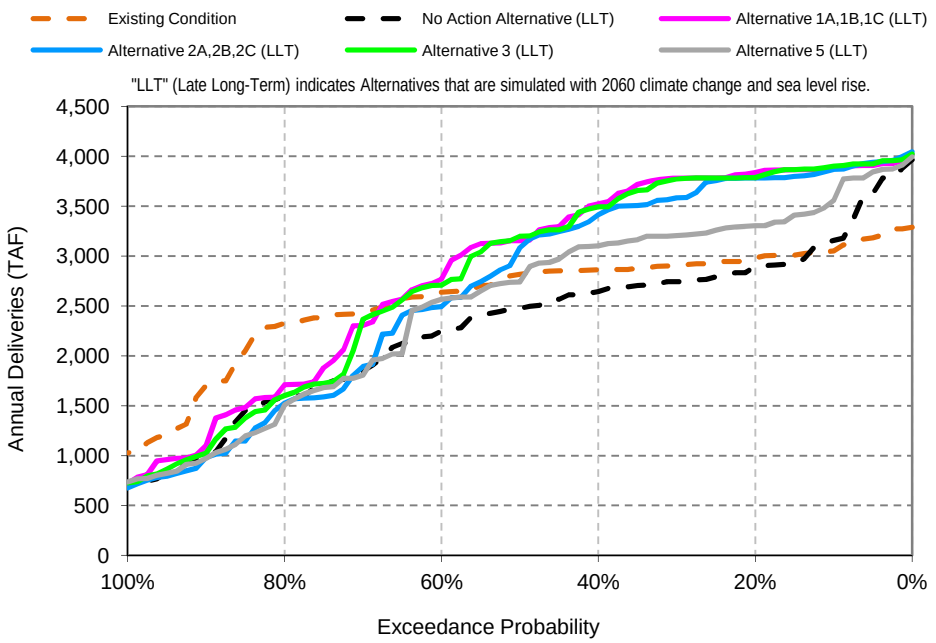


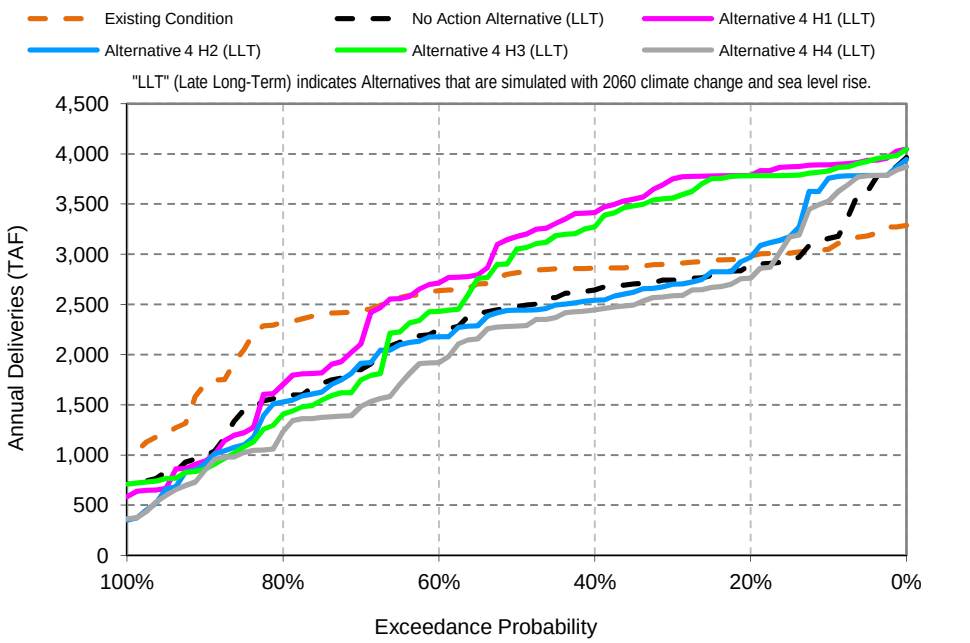


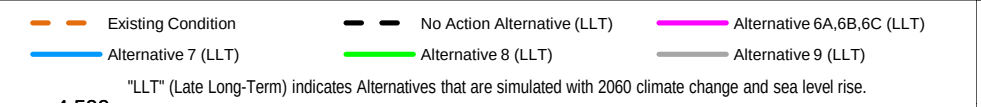
Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-13-10. Annual SWP Table A Deliveries with Article 56



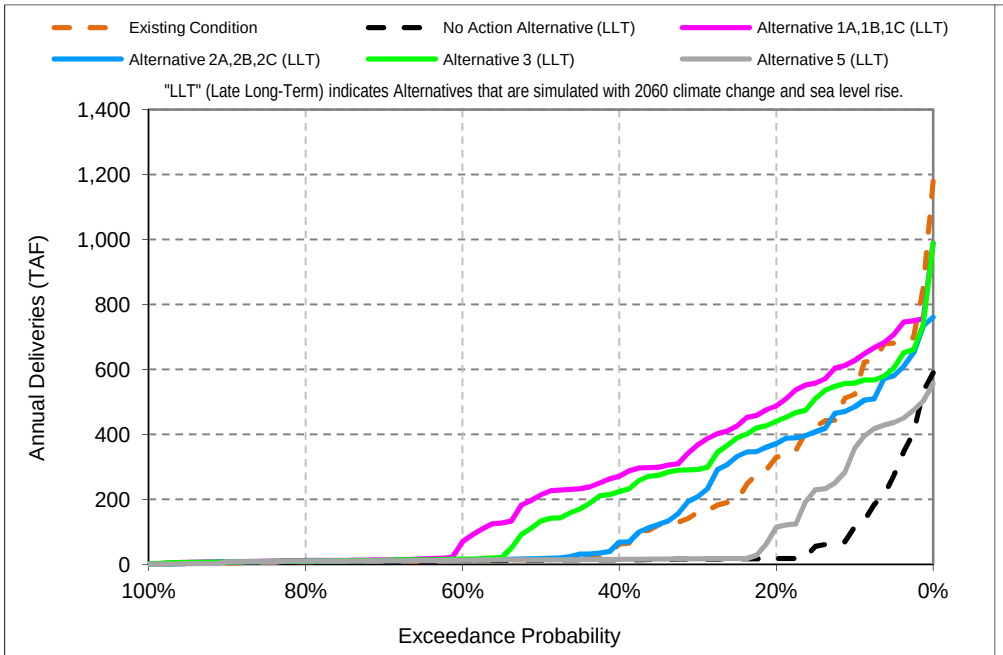


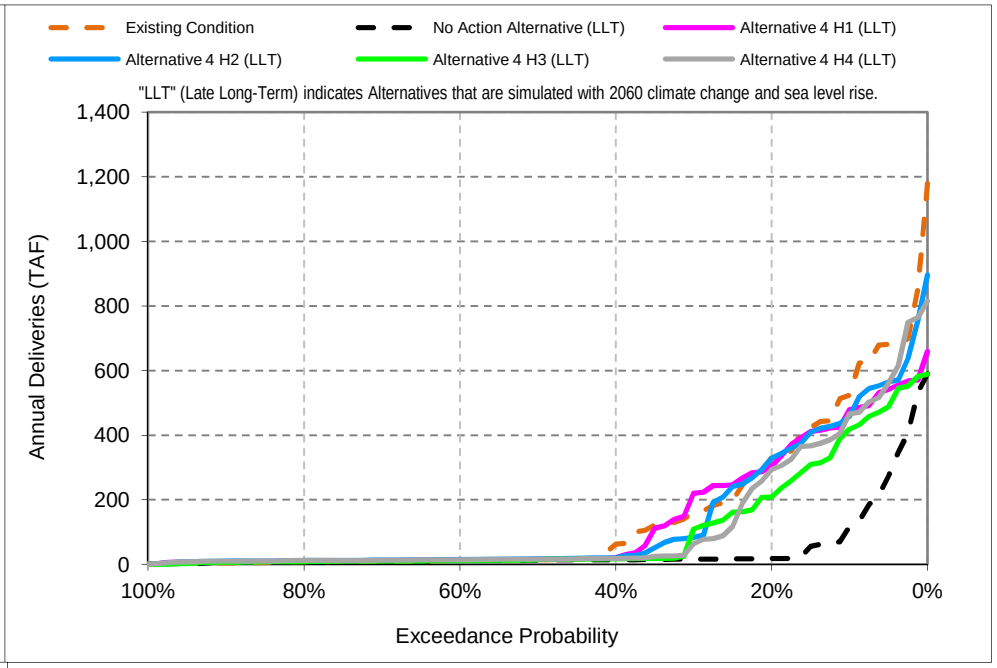


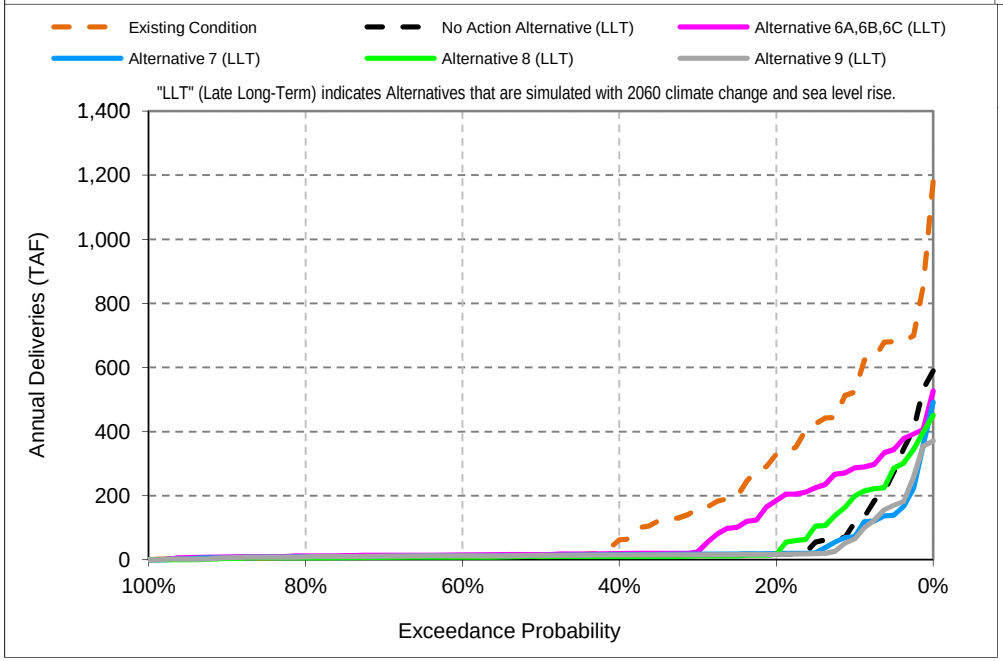
Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-13-11. Annual SWP South of Delta Table A Deliveries with Article 56



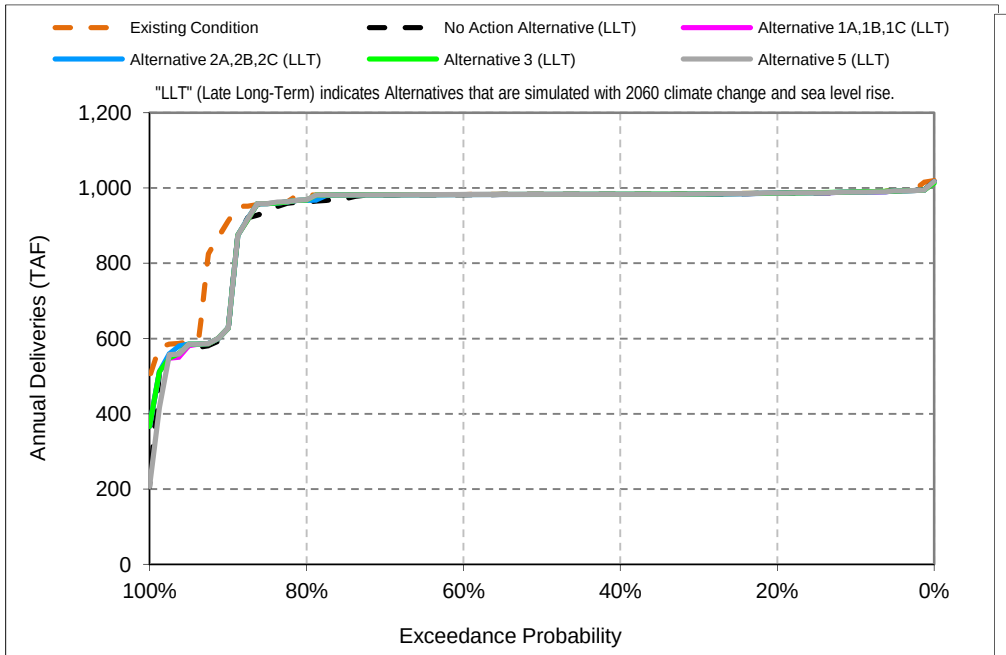


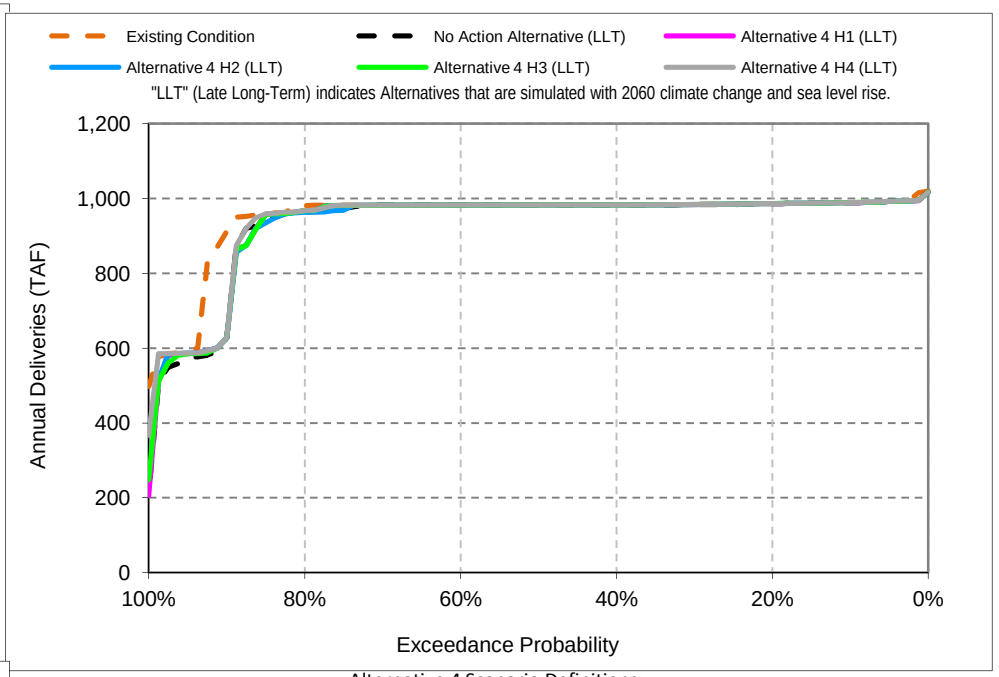


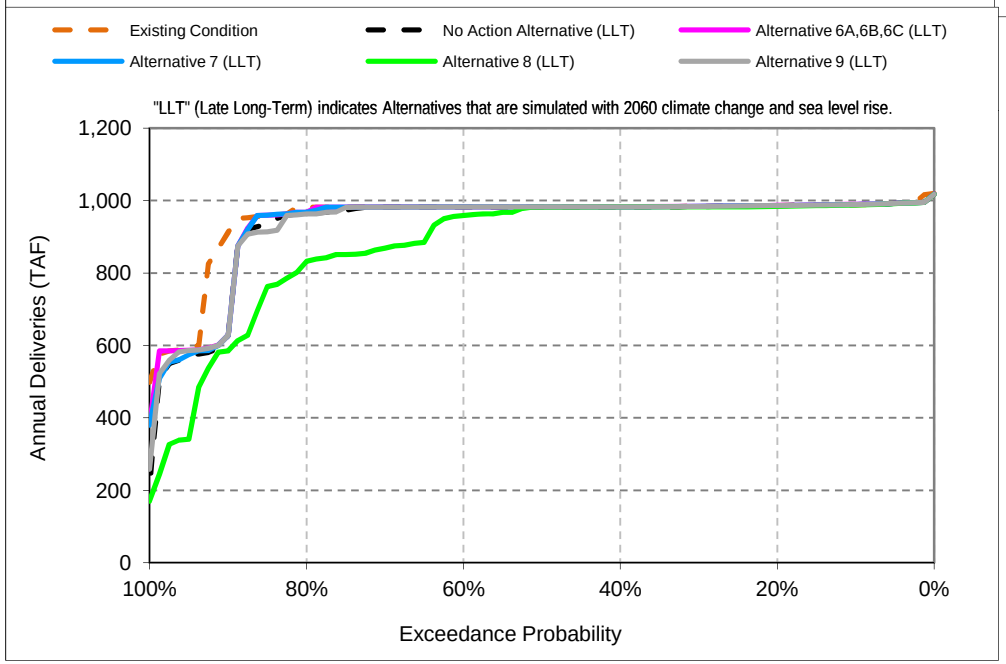
Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-13-12. Annual SWP Article 21 Deliveries







Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-13-13. Total Annual SWP FRSA Deliveries

Table C-13-1-1. CALSIM II Summary Reporting Metrics, Long-Term Average and Dry and Critical Year Averages

					No Action Alternative (LLT)	Existing Condition	No Action Alternative (LLT) minus Existing Condition
Water Supply Reliability							
Sacramento River Hydrologic Region							
CVP Settlement	Contract Delivery (annual average)	(TAF/year)	Long Term		1,834	1,840	-6
			Dry and Critical		1,770	1,823	-52
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term		147	132	15
			Dry and Critical		127	115	12
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		192	86	106
			Dry and Critical		149	76	74
CVP Ag	Contract Delivery (annual average - does not include Settlement contractors)	(TAF/year)	Long Term		161	234	-73
			Dry and Critical		44	128	-84
SWP FRSA	Contract Delivery (annual average)	(TAF/year)	Long Term		929	948	-19
			Dry and Critical		845	899	-55
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		21	25	-4
			Dry and Critical		13	18	-5
San Joaquin River Hydrologic Region (not including Friant-Kern and Madera Canal water users)							
CVP Exchange	Contract Delivery (annual average)	(TAF/year)	Long Term		852	852	0
			Dry and Critical		814	814	0
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term		257	281	-24
			Dry and Critical		238	267	-29
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		14	16	-2
			Dry and Critical		11	13	-2
CVP Ag	Contract Delivery (annual average; does not include Exchange contractors)	(TAF/year)	Long Term		232	305	-73
			Dry and Critical		73	168	-95
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		3	4	-1
			Dry and Critical		2	3	-1
San Francisco Bay Hydrologic Region							
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		281	226	54
			Dry and Critical		303	226	77
CVP Ag	Contract Delivery (annual average)	(TAF/year)	Long Term		27	37	-10
			Dry and Critical		9	20	-11
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term		184	199	-15
			Dry and Critical		117	172	-55
Central Coast Hydrologic Region							
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		40	47	-6
			Dry and Critical		25	38	-13
Tulare Lake Hydrologic Region (not including Friant-Kern Canal water users)							
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term		12	15	-3
			Dry and Critical		11	14	-4
CVP Ag	Contract Delivery (annual average - includes Cross Valley Canal)	(TAF/year)	Long Term		468	625	-157
			Dry and Critical		147	348	-201
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		77	90	-13
			Dry and Critical		48	66	-18
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		603	775	-172
			Dry and Critical		366	520	-154
South Lahontan Hydrologic Region							
SWP M&I	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		243	272	-28
			Dry and Critical		163	245	-82
South Coast Hydrologic Region							
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term		1,233	1,366	-133
			Dry and Critical		810	1,118	-308
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		8	9	-2
			Dry and Critical		5	6	-2
Total For All Regions							
Total Supplies	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term		7,819	8,385	-567
			Dry and Critical		6,089	7,099	-1,010

Notes:

1. Long Term is the average quantity for the period of Oct 1921 - Sep 2003.
2. Dry and Critical Years Average is the average quantity for the combination of the SWRCB D-1641 40-30-30 Dry and Critical years for the period of Oct 1921 - Sep 2003.

Table C-13-1-2. CALSIM II Summary Reporting Metrics, Long-Term Average and Dry and Critical Year Averages

					No Action Alternative (LLT)	Existing Condition	No Action Alternative (LLT) minus Existing Condition
Water Supply Reliability							
North of Delta							
CVP Ag	Contract Delivery (annual average; does not include Exchange contractors)	(TAF/year)	Long Term		161	234	-73
			Dry and Critical		44	128	-84
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		381	210	171
			Dry and Critical		380	214	166
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		0	0	0
			Dry and Critical		0	0	0
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term		76	80	-5
			Dry and Critical		49	66	-17
Total CVP North of Delta							
Total CVP Ag and M&I SOD	Contract Delivery (CVP) (annual average)	(TAF/year)	Long Term		542	444	98
			Dry and Critical		424	342	82
Total SWP North of Delta							
Total SWP Ag and M&I SOD	Contract Delivery (SWP) (annual average)	(TAF/year)	Long Term		76	80	-5
			Dry and Critical		49	66	-17
Total North of Delta							
Total North of Delta Ag and M&I Deliveries	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term		618	524	94
			Dry and Critical		473	408	65
South of Delta							
CVP Ag	Contract Delivery (annual average; does not include Exchange contractors)	(TAF/year)	Long Term		727	967	-240
			Dry and Critical		228	536	-308
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		105	118	-13
			Dry and Critical		83	101	-17
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		614	789	-175
			Dry and Critical		372	529	-157
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term		1,723	1,919	-196
			Dry and Critical		1,126	1,590	-464
Total CVP South of Delta							
Total CVP Ag and M&I SOD	Contract Delivery (CVP) (annual average)	(TAF/year)	Long Term		832	1,085	-253
			Dry and Critical		312	637	-326
Total SWP South of Delta							
Total SWP Ag and M&I SOD	Contract Delivery (SWP) (annual average)	(TAF/year)	Long Term		2,337	2,707	-370
			Dry and Critical		1,499	2,119	-621
Total South of Delta							
Total South of Delta Ag and M&I Deliveries	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term		3,169	3,792	-623
			Dry and Critical		1,810	2,757	-946

Notes:

1. Long Term is the average quantity for the period of Oct 1921 - Sep 2003.
2. Dry and Critical Years Average is the average quantity for the combination of the SWRCB D-1641 40-30-30 Dry and Critical years for the period of Oct 1921 - Sep 2003.

Table C-13-2-1. CALSIM II Summary Reporting Metrics, Long-Term Average and Dry and Critical Year Averages

					Alternative 1A,1B,1C (LLT)	Existing Condition	Alternative 1A,1B,1C (LLT) minus Existing Condition
Water Supply Reliability							
Sacramento River Hydrologic Region							
CVP Settlement	Contract Delivery (annual average)	(TAF/year)	Long Term		1,832	1,840	-8
			Dry and Critical		1,767	1,823	-55
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term		154	132	22
			Dry and Critical		127	115	12
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		195	86	109
			Dry and Critical		152	76	76
CVP Ag	Contract Delivery (annual average - does not include Settlement contractors)	(TAF/year)	Long Term		179	234	-55
			Dry and Critical		56	128	-72
SWP FRSA	Contract Delivery (annual average)	(TAF/year)	Long Term		933	948	-16
			Dry and Critical		856	899	-44
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		26	25	1
			Dry and Critical		14	18	-3
San Joaquin River Hydrologic Region (not including Friant-Kern and Madera Canal water users)							
CVP Exchange	Contract Delivery (annual average)	(TAF/year)	Long Term		852	852	0
			Dry and Critical		814	814	0
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term		256	281	-25
			Dry and Critical		234	267	-33
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		16	16	0
			Dry and Critical		12	13	-2
CVP Ag	Contract Delivery (annual average; does not include Exchange contractors)	(TAF/year)	Long Term		297	305	-8
			Dry and Critical		96	168	-72
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		4	4	0
			Dry and Critical		2	3	-1
San Francisco Bay Hydrologic Region							
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		289	226	63
			Dry and Critical		305	226	79
CVP Ag	Contract Delivery (annual average)	(TAF/year)	Long Term		37	37	0
			Dry and Critical		12	20	-9
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term		234	199	35
			Dry and Critical		136	172	-36
Central Coast Hydrologic Region							
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		51	47	4
			Dry and Critical		29	38	-9
Tulare Lake Hydrologic Region (not including Friant-Kern Canal water users)							
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term		12	15	-4
			Dry and Critical		11	14	-4
CVP Ag	Contract Delivery (annual average - includes Cross Valley Canal)	(TAF/year)	Long Term		622	625	-3
			Dry and Critical		199	348	-150
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		97	90	6
			Dry and Critical		55	66	-11
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		915	775	140
			Dry and Critical		452	520	-68
South Lahontan Hydrologic Region							
SWP M&I	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		302	272	31
			Dry and Critical		193	245	-52
South Coast Hydrologic Region							
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term		1,540	1,366	174
			Dry and Critical		971	1,118	-147
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		11	9	2
			Dry and Critical		6	6	-1
Total For All Regions							
Total Supplies	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term		8,852	8,385	467
			Dry and Critical		6,500	7,099	-598

Notes:

1. Long Term is the average quantity for the period of Oct 1921 - Sep 2003.
2. Dry and Critical Years Average is the average quantity for the combination of the SWRCB D-1641 40-30-30 Dry and Critical years for the period of Oct 1921 - Sep 2003.
3. "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-13-2-2. CALSIM II Summary Reporting Metrics, Long-Term Average and Dry and Critical Year Averages

					Alternative 1A,1B,1C (LLT)	Existing Condition	Alternative 1A,1B,1C (LLT) minus Existing Condition
Water Supply Reliability							
North of Delta							
CVP Ag	Contract Delivery (annual average; does not include Exchange contractors)	(TAF/year)	Long Term		179	234	-55
			Dry and Critical		56	128	-72
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		384	210	174
			Dry and Critical		383	214	169
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		0	0	0
			Dry and Critical		0	0	0
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term		91	80	11
			Dry and Critical		56	66	-10
Total CVP North of Delta							
Total CVP Ag and M&I SOD	Contract Delivery (CVP) (annual average)	(TAF/year)	Long Term		563	444	119
			Dry and Critical		439	342	97
Total SWP North of Delta							
Total SWP Ag and M&I SOD	Contract Delivery (SWP) (annual average)	(TAF/year)	Long Term		91	80	11
			Dry and Critical		56	66	-10
Total North of Delta							
Total North of Delta Ag and M&I Deliveries	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term		654	524	130
			Dry and Critical		496	408	87
South of Delta							
CVP Ag	Contract Delivery (annual average; does not include Exchange contractors)	(TAF/year)	Long Term		956	967	-11
			Dry and Critical		306	536	-230
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		114	118	-3
			Dry and Critical		86	101	-15
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		930	789	141
			Dry and Critical		460	529	-69
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term		2,158	1,919	240
			Dry and Critical		1,343	1,590	-247
Total CVP South of Delta							
Total CVP Ag and M&I SOD	Contract Delivery (CVP) (annual average)	(TAF/year)	Long Term		1,070	1,085	-15
			Dry and Critical		392	637	-245
Total SWP South of Delta							
Total SWP Ag and M&I SOD	Contract Delivery (SWP) (annual average)	(TAF/year)	Long Term		3,088	2,707	381
			Dry and Critical		1,803	2,119	-317
Total South of Delta							
Total South of Delta Ag and M&I Deliveries	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term		4,159	3,792	366
			Dry and Critical		2,195	2,757	-562

Notes:

1. Long Term is the average quantity for the period of Oct 1921 - Sep 2003.
2. Dry and Critical Years Average is the average quantity for the combination of the SWRCB D-1641 40-30-30 Dry and Critical years for the period of Oct 1921 - Sep 2003.
3. "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-13-3-1. CALSIM II Summary Reporting Metrics, Long-Term Average and Dry and Critical Year Averages

					Alternative 2A,2B,2C (LLT)	Existing Condition	Alternative 2A,2B,2C (LLT) minus Existing Condition
Water Supply Reliability							
Sacramento River Hydrologic Region							
CVP Settlement	Contract Delivery (annual average)	(TAF/year)	Long Term		1,831	1,840	-10
			Dry and Critical		1,763	1,823	-60
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term		151	132	19
			Dry and Critical		125	115	9
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		193	86	107
			Dry and Critical		150	76	74
CVP Ag	Contract Delivery (annual average - does not include Settlement contractors)	(TAF/year)	Long Term		164	234	-70
			Dry and Critical		45	128	-83
SWP FRSA	Contract Delivery (annual average)	(TAF/year)	Long Term		933	948	-15
			Dry and Critical		857	899	-43
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		25	25	0
			Dry and Critical		12	18	-5
San Joaquin River Hydrologic Region (not including Friant-Kern and Madera Canal water users)							
CVP Exchange	Contract Delivery (annual average)	(TAF/year)	Long Term		852	852	0
			Dry and Critical		814	814	0
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term		255	281	-26
			Dry and Critical		231	267	-36
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		15	16	-1
			Dry and Critical		11	13	-3
CVP Ag	Contract Delivery (annual average; does not include Exchange contractors)	(TAF/year)	Long Term		258	305	-47
			Dry and Critical		76	168	-92
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		4	4	0
			Dry and Critical		2	3	-1
San Francisco Bay Hydrologic Region							
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		284	226	58
			Dry and Critical		301	226	75
CVP Ag	Contract Delivery (annual average)	(TAF/year)	Long Term		32	37	-5
			Dry and Critical		9	20	-11
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term		221	199	22
			Dry and Critical		119	172	-53
Central Coast Hydrologic Region							
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		49	47	2
			Dry and Critical		25	38	-13
Tulare Lake Hydrologic Region (not including Friant-Kern Canal water users)							
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term		12	15	-4
			Dry and Critical		10	14	-4
CVP Ag	Contract Delivery (annual average - includes Cross Valley Canal)	(TAF/year)	Long Term		540	625	-85
			Dry and Critical		154	348	-194
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		93	90	3
			Dry and Critical		48	66	-18
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		818	775	42
			Dry and Critical		370	520	-150
South Lahontan Hydrologic Region							
SWP M&I	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		285	272	14
			Dry and Critical		162	245	-83
South Coast Hydrologic Region							
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term		1,416	1,366	49
			Dry and Critical		804	1,118	-314
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		10	9	1
			Dry and Critical		5	6	-2
Total For All Regions							
Total Supplies	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term		8,440	8,385	54
			Dry and Critical		6,091	7,099	-1,007

Notes:

1. Long Term is the average quantity for the period of Oct 1921 - Sep 2003.
2. Dry and Critical Years Average is the average quantity for the combination of the SWRCB D-1641 40-30-30 Dry and Critical years for the period of Oct 1921 - Sep 2003.
3. "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-13-3-2. CALSIM II Summary Reporting Metrics, Long-Term Average and Dry and Critical Year Averages

					Alternative 2A,2B,2C (LLT)	Existing Condition	Alternative 2A,2B,2C (LLT) minus Existing Condition
Water Supply Reliability							
North of Delta							
CVP Ag	Contract Delivery (annual average; does not include Exchange contractors)	(TAF/year)	Long Term		164	234	-70
			Dry and Critical		45	128	-83
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		382	210	172
			Dry and Critical		381	214	167
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		0	0	0
			Dry and Critical		0	0	0
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term		87	80	7
			Dry and Critical		51	66	-16
Total CVP North of Delta							
Total CVP Ag and M&I SOD	Contract Delivery (CVP) (annual average)	(TAF/year)	Long Term		546	444	102
			Dry and Critical		426	342	83
Total SWP North of Delta							
Total SWP Ag and M&I SOD	Contract Delivery (SWP) (annual average)	(TAF/year)	Long Term		87	80	7
			Dry and Critical		51	66	-16
Total North of Delta							
Total North of Delta Ag and M&I Deliveries	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term		633	524	109
			Dry and Critical		476	408	68
South of Delta							
CVP Ag	Contract Delivery (annual average; does not include Exchange contractors)	(TAF/year)	Long Term		830	967	-137
			Dry and Critical		239	536	-298
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		109	118	-8
			Dry and Critical		81	101	-20
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		832	789	43
			Dry and Critical		377	529	-153
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term		2,002	1,919	84
			Dry and Critical		1,119	1,590	-471
Total CVP South of Delta							
Total CVP Ag and M&I SOD	Contract Delivery (CVP) (annual average)	(TAF/year)	Long Term		939	1,085	-146
			Dry and Critical		319	637	-318
Total SWP South of Delta							
Total SWP Ag and M&I SOD	Contract Delivery (SWP) (annual average)	(TAF/year)	Long Term		2,834	2,707	127
			Dry and Critical		1,496	2,119	-624
Total South of Delta							
Total South of Delta Ag and M&I Deliveries	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term		3,773	3,792	-19
			Dry and Critical		1,815	2,757	-941

Notes:

1. Long Term is the average quantity for the period of Oct 1921 - Sep 2003.
2. Dry and Critical Years Average is the average quantity for the combination of the SWRCB D-1641 40-30-30 Dry and Critical years for the period of Oct 1921 - Sep 2003.
3. "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-13-4-1. CALSIM II Summary Reporting Metrics, Long-Term Average and Dry and Critical Year Averages

					Alternative 3 (LLT)	Existing Condition	Alternative 3 (LLT) minus Existing Condition
Water Supply Reliability							
Sacramento River Hydrologic Region							
CVP Settlement	Contract Delivery (annual average)	(TAF/year)	Long Term		1,831	1,840	-9
			Dry and Critical		1,766	1,823	-57
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term		154	132	22
			Dry and Critical		127	115	12
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		194	86	109
			Dry and Critical		150	76	75
CVP Ag	Contract Delivery (annual average - does not include Settlement contractors)	(TAF/year)	Long Term		178	234	-56
			Dry and Critical		56	128	-72
SWP FRSA	Contract Delivery (annual average)	(TAF/year)	Long Term		933	948	-15
			Dry and Critical		856	899	-43
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		25	25	1
			Dry and Critical		13	18	-4
San Joaquin River Hydrologic Region (not including Friant-Kern and Madera Canal water users)							
CVP Exchange	Contract Delivery (annual average)	(TAF/year)	Long Term		852	852	0
			Dry and Critical		814	814	0
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term		258	281	-23
			Dry and Critical		240	267	-28
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		16	16	0
			Dry and Critical		12	13	-2
CVP Ag	Contract Delivery (annual average; does not include Exchange contractors)	(TAF/year)	Long Term		295	305	-9
			Dry and Critical		95	168	-73
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		4	4	0
			Dry and Critical		2	3	-1
San Francisco Bay Hydrologic Region							
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		289	226	63
			Dry and Critical		307	226	81
CVP Ag	Contract Delivery (annual average)	(TAF/year)	Long Term		37	37	-1
			Dry and Critical		12	20	-9
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term		228	199	29
			Dry and Critical		127	172	-44
Central Coast Hydrologic Region							
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		50	47	3
			Dry and Critical		27	38	-12
Tulare Lake Hydrologic Region (not including Friant-Kern Canal water users)							
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term		12	15	-3
			Dry and Critical		11	14	-4
CVP Ag	Contract Delivery (annual average - includes Cross Valley Canal)	(TAF/year)	Long Term		619	625	-7
			Dry and Critical		197	348	-151
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		95	90	5
			Dry and Critical		51	66	-15
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		872	775	97
			Dry and Critical		416	520	-104
South Lahontan Hydrologic Region							
SWP M&I	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		299	272	28
			Dry and Critical		182	245	-63
South Coast Hydrologic Region							
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term		1,511	1,366	144
			Dry and Critical		911	1,118	-208
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		10	9	1
			Dry and Critical		5	6	-1
Total For All Regions							
Total Supplies	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term		8,763	8,385	377
			Dry and Critical		6,377	7,099	-721

Notes:

1. Long Term is the average quantity for the period of Oct 1921 - Sep 2003.
2. Dry and Critical Years Average is the average quantity for the combination of the SWRCB D-1641 40-30-30 Dry and Critical years for the period of Oct 1921 - Sep 2003.
3. "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-13-4-2. CALSIM II Summary Reporting Metrics, Long-Term Average and Dry and Critical Year Averages

					Alternative 3 (LLT)	Existing Condition	Alternative 3 (LLT) minus Existing Condition
Water Supply Reliability							
North of Delta							
CVP Ag	Contract Delivery (annual average; does not include Exchange contractors)	(TAF/year)	Long Term		178	234	-56
			Dry and Critical		56	128	-72
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		384	210	174
			Dry and Critical		382	214	167
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		0	0	0
			Dry and Critical		0	0	0
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term		89	80	9
			Dry and Critical		53	66	-13
Total CVP North of Delta							
Total CVP Ag and M&I SOD	Contract Delivery (CVP) (annual average)	(TAF/year)	Long Term		562	444	118
			Dry and Critical		438	342	95
Total SWP North of Delta							
Total SWP Ag and M&I SOD	Contract Delivery (SWP) (annual average)	(TAF/year)	Long Term		89	80	9
			Dry and Critical		53	66	-13
Total North of Delta							
Total North of Delta Ag and M&I Deliveries	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term		652	524	128
			Dry and Critical		491	408	82
South of Delta							
CVP Ag	Contract Delivery (annual average; does not include Exchange contractors)	(TAF/year)	Long Term		951	967	-17
			Dry and Critical		304	536	-232
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		115	118	-3
			Dry and Critical		87	101	-13
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		887	789	98
			Dry and Critical		423	529	-106
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term		2,119	1,919	200
			Dry and Critical		1,258	1,590	-332
Total CVP South of Delta							
Total CVP Ag and M&I SOD	Contract Delivery (CVP) (annual average)	(TAF/year)	Long Term		1,066	1,085	-19
			Dry and Critical		391	637	-246
Total SWP South of Delta							
Total SWP Ag and M&I SOD	Contract Delivery (SWP) (annual average)	(TAF/year)	Long Term		3,005	2,707	298
			Dry and Critical		1,681	2,119	-438
Total South of Delta							
Total South of Delta Ag and M&I Deliveries	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term		4,071	3,792	278
			Dry and Critical		2,073	2,757	-684

Notes:

1. Long Term is the average quantity for the period of Oct 1921 - Sep 2003.
2. Dry and Critical Years Average is the average quantity for the combination of the SWRCB D-1641 40-30-30 Dry and Critical years for the period of Oct 1921 - Sep 2003.
3. "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-13-5-1. CALSIM II Summary Reporting Metrics, Long-Term Average and Dry and Critical Year Averages

				Alternative 4 H1 (LLT)	Existing Condition	Alternative 4 H1 (LLT) minus Existing Condition
Water Supply Reliability						
Sacramento River Hydrologic Region						
CVP Settlement	Contract Delivery (annual average)	(TAF/year)	Long Term	1,831	1,840	-9
			Dry and Critical	1,765	1,823	-57
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term	155	132	23
			Dry and Critical	129	115	13
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	198	86	113
			Dry and Critical	158	76	82
CVP Ag	Contract Delivery (annual average - does not include Settlement contractors)	(TAF/year)	Long Term	180	234	-54
			Dry and Critical	62	128	-66
SWP FRSA	Contract Delivery (annual average)	(TAF/year)	Long Term	930	948	-18
			Dry and Critical	849	899	-50
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	25	25	1
			Dry and Critical	13	18	-4
San Joaquin River Hydrologic Region (not including Friant-Kern and Madera Canal water users)						
CVP Exchange	Contract Delivery (annual average)	(TAF/year)	Long Term	852	852	0
			Dry and Critical	814	814	0
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term	256	281	-25
			Dry and Critical	235	267	-32
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	15	16	0
			Dry and Critical	12	13	-2
CVP Ag	Contract Delivery (annual average; does not include Exchange contractors)	(TAF/year)	Long Term	293	305	-12
			Dry and Critical	105	168	-63
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	4	4	0
			Dry and Critical	2	3	-1
San Francisco Bay Hydrologic Region						
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	288	226	62
			Dry and Critical	306	226	80
CVP Ag	Contract Delivery (annual average)	(TAF/year)	Long Term	36	37	-1
			Dry and Critical	13	20	-7
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term	225	199	26
			Dry and Critical	126	172	-46
Central Coast Hydrologic Region						
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	49	47	3
			Dry and Critical	27	38	-12
Tulare Lake Hydrologic Region (not including Friant-Kern Canal water users)						
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term	12	15	-4
			Dry and Critical	10	14	-4
CVP Ag	Contract Delivery (annual average - includes Cross Valley Canal)	(TAF/year)	Long Term	611	625	-14
			Dry and Critical	214	348	-134
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	94	90	4
			Dry and Critical	51	66	-15
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	811	775	36
			Dry and Critical	390	520	-130
South Lahontan Hydrologic Region						
SWP M&I	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	294	272	22
			Dry and Critical	176	245	-69
South Coast Hydrologic Region						
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term	1,481	1,366	114
			Dry and Critical	871	1,118	-247
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	10	9	1
			Dry and Critical	5	6	-1
Total For All Regions						
Total Supplies	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term	8,652	8,385	267
			Dry and Critical	6,333	7,099	-766

Notes:

1. Long Term is the average quantity for the period of Oct 1921 - Sep 2003.
2. Dry and Critical Years Average is the average quantity for the combination of the SWRCB D-1641 40-30-30 Dry and Critical years for the period of Oct 1921 - Sep 2003.
3. "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.
4. "Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-13-5-2. CALSIM II Summary Reporting Metrics, Long-Term Average and Dry and Critical Year Averages

					Alternative 4 H1 (LLT)	Existing Condition	Alternative 4 H1 (LLT) minus Existing Condition
Water Supply Reliability							
North of Delta							
CVP Ag	Contract Delivery (annual average; does not include Exchange contractors)	(TAF/year)	Long Term		180	234	-54
			Dry and Critical		62	128	-66
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		388	210	178
			Dry and Critical		389	214	174
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		0	0	0
			Dry and Critical		0	0	0
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term		89	80	9
			Dry and Critical		54	66	-12
Total CVP North of Delta							
Total CVP Ag and M&I SOD	Contract Delivery (CVP) (annual average)	(TAF/year)	Long Term		568	444	124
			Dry and Critical		450	342	108
Total SWP North of Delta							
Total SWP Ag and M&I SOD	Contract Delivery (SWP) (annual average)	(TAF/year)	Long Term		89	80	9
			Dry and Critical		54	66	-12
Total North of Delta							
Total North of Delta Ag and M&I Deliveries	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term		657	524	133
			Dry and Critical		504	408	96
South of Delta							
CVP Ag	Contract Delivery (annual average; does not include Exchange contractors)	(TAF/year)	Long Term		940	967	-27
			Dry and Critical		332	536	-204
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		114	118	-4
			Dry and Critical		87	101	-14
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		825	789	36
			Dry and Critical		397	529	-132
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term		2,079	1,919	160
			Dry and Critical		1,209	1,590	-381
Total CVP South of Delta							
Total CVP Ag and M&I SOD	Contract Delivery (CVP) (annual average)	(TAF/year)	Long Term		1,054	1,085	-31
			Dry and Critical		420	637	-218
Total SWP South of Delta							
Total SWP Ag and M&I SOD	Contract Delivery (SWP) (annual average)	(TAF/year)	Long Term		2,903	2,707	196
			Dry and Critical		1,606	2,119	-513
Total South of Delta							
Total South of Delta Ag and M&I Deliveries	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term		3,958	3,792	166
			Dry and Critical		2,026	2,757	-731

Notes:

1. Long Term is the average quantity for the period of Oct 1921 - Sep 2003.
2. Dry and Critical Years Average is the average quantity for the combination of the SWRCB D-1641 40-30-30 Dry and Critical years for the period of Oct 1921 - Sep 2003.
3. "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.
4. "Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-13-6-1. CALSIM II Summary Reporting Metrics, Long-Term Average and Dry and Critical Year Averages

					Alternative 4 H2 (LLT)	Existing Condition	Alternative 4 H2 (LLT) minus Existing Condition
Water Supply Reliability							
Sacramento River Hydrologic Region							
CVP Settlement	Contract Delivery (annual average)	(TAF/year)	Long Term		1,842	1,840	1
			Dry and Critical		1,792	1,823	-31
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term		150	132	18
			Dry and Critical		128	115	12
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		197	86	111
			Dry and Critical		159	76	84
CVP Ag	Contract Delivery (annual average - does not include Settlement contractors)	(TAF/year)	Long Term		178	234	-56
			Dry and Critical		60	128	-68
SWP FRSA	Contract Delivery (annual average)	(TAF/year)	Long Term		931	948	-17
			Dry and Critical		855	899	-44
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		21	25	-4
			Dry and Critical		12	18	-6
San Joaquin River Hydrologic Region (not including Friant-Kern and Madera Canal water users)							
CVP Exchange	Contract Delivery (annual average)	(TAF/year)	Long Term		852	852	0
			Dry and Critical		814	814	0
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term		258	281	-23
			Dry and Critical		239	267	-29
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		15	16	-1
			Dry and Critical		12	13	-2
CVP Ag	Contract Delivery (annual average; does not include Exchange contractors)	(TAF/year)	Long Term		285	305	-20
			Dry and Critical		99	168	-68
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		3	4	-1
			Dry and Critical		2	3	-1
San Francisco Bay Hydrologic Region							
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		288	226	62
			Dry and Critical		308	226	82
CVP Ag	Contract Delivery (annual average)	(TAF/year)	Long Term		35	37	-2
			Dry and Critical		12	20	-8
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term		188	199	-11
			Dry and Critical		112	172	-59
Central Coast Hydrologic Region							
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		40	47	-6
			Dry and Critical		23	38	-15
Tulare Lake Hydrologic Region (not including Friant-Kern Canal water users)							
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term		12	15	-3
			Dry and Critical		11	14	-4
CVP Ag	Contract Delivery (annual average - includes Cross Valley Canal)	(TAF/year)	Long Term		594	625	-31
			Dry and Critical		202	348	-146
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		77	90	-13
			Dry and Critical		45	66	-21
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		670	775	-105
			Dry and Critical		336	520	-184
South Lahontan Hydrologic Region							
SWP M&I	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		243	272	-29
			Dry and Critical		154	245	-91
South Coast Hydrologic Region							
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term		1,240	1,366	-126
			Dry and Critical		758	1,118	-360
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		8	9	-1
			Dry and Critical		4	6	-2
Total For All Regions							
Total Supplies	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term		8,128	8,385	-257
			Dry and Critical		6,137	7,099	-961

Notes:

1. Long Term is the average quantity for the period of Oct 1921 - Sep 2003.
2. Dry and Critical Years Average is the average quantity for the combination of the SWRCB D-1641 40-30-30 Dry and Critical years for the period of Oct 1921 - Sep 2003.
3. "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.
4. "Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-13-6-2. CALSIM II Summary Reporting Metrics, Long-Term Average and Dry and Critical Year Averages

					Alternative 4 H2 (LLT)	Existing Condition	Alternative 4 H2 (LLT) minus Existing Condition
Water Supply Reliability							
North of Delta							
CVP Ag	Contract Delivery (annual average; does not include Exchange contractors)	(TAF/year)	Long Term		178	234	-56
			Dry and Critical		60	128	-68
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		387	210	177
			Dry and Critical		391	214	177
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		0	0	0
			Dry and Critical		0	0	0
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term		76	80	-4
			Dry and Critical		49	66	-17
Total CVP North of Delta							
Total CVP Ag and M&I SOD	Contract Delivery (CVP) (annual average)	(TAF/year)	Long Term		565	444	121
			Dry and Critical		451	342	109
Total SWP North of Delta							
Total SWP Ag and M&I SOD	Contract Delivery (SWP) (annual average)	(TAF/year)	Long Term		76	80	-4
			Dry and Critical		49	66	-17
Total North of Delta							
Total North of Delta Ag and M&I Deliveries	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term		641	524	117
			Dry and Critical		500	408	92
South of Delta							
CVP Ag	Contract Delivery (annual average; does not include Exchange contractors)	(TAF/year)	Long Term		915	967	-52
			Dry and Critical		314	536	-222
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		114	118	-4
			Dry and Critical		88	101	-13
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		682	789	-107
			Dry and Critical		342	529	-187
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term		1,732	1,919	-187
			Dry and Critical		1,054	1,590	-536
Total CVP South of Delta							
Total CVP Ag and M&I SOD	Contract Delivery (CVP) (annual average)	(TAF/year)	Long Term		1,028	1,085	-56
			Dry and Critical		402	637	-235
Total SWP South of Delta							
Total SWP Ag and M&I SOD	Contract Delivery (SWP) (annual average)	(TAF/year)	Long Term		2,414	2,707	-294
			Dry and Critical		1,396	2,119	-723
Total South of Delta							
Total South of Delta Ag and M&I Deliveries	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term		3,442	3,792	-350
			Dry and Critical		1,799	2,757	-958

Notes:

1. Long Term is the average quantity for the period of Oct 1921 - Sep 2003.
2. Dry and Critical Years Average is the average quantity for the combination of the SWRCB D-1641 40-30-30 Dry and Critical years for the period of Oct 1921 - Sep 2003.
3. "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.
4. "Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-13-7-1. CALSIM II Summary Reporting Metrics, Long-Term Average and Dry and Critical Year Averages

					Alternative 4 H3 (LLT)	Existing Condition	Alternative 4 H3 (LLT) minus Existing Condition
Water Supply Reliability							
Sacramento River Hydrologic Region							
CVP Settlement	Contract Delivery (annual average)	(TAF/year)	Long Term		1,831	1,840	-9
			Dry and Critical		1,763	1,823	-59
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term		150	132	18
			Dry and Critical		125	115	10
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		192	86	107
			Dry and Critical		150	76	74
CVP Ag	Contract Delivery (annual average - does not include Settlement contractors)	(TAF/year)	Long Term		165	234	-69
			Dry and Critical		47	128	-81
SWP FRSA	Contract Delivery (annual average)	(TAF/year)	Long Term		931	948	-18
			Dry and Critical		850	899	-50
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		24	25	0
			Dry and Critical		12	18	-6
San Joaquin River Hydrologic Region (not including Friant-Kern and Madera Canal water users)							
CVP Exchange	Contract Delivery (annual average)	(TAF/year)	Long Term		852	852	0
			Dry and Critical		814	814	0
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term		256	281	-25
			Dry and Critical		234	267	-34
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		15	16	-1
			Dry and Critical		11	13	-3
CVP Ag	Contract Delivery (annual average; does not include Exchange contractors)	(TAF/year)	Long Term		256	305	-49
			Dry and Critical		79	168	-89
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		4	4	0
			Dry and Critical		2	3	-1
San Francisco Bay Hydrologic Region							
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		284	226	58
			Dry and Critical		302	226	76
CVP Ag	Contract Delivery (annual average)	(TAF/year)	Long Term		32	37	-6
			Dry and Critical		9	20	-11
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term		215	199	16
			Dry and Critical		112	172	-60
Central Coast Hydrologic Region							
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		48	47	1
			Dry and Critical		23	38	-15
Tulare Lake Hydrologic Region (not including Friant-Kern Canal water users)							
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term		12	15	-4
			Dry and Critical		10	14	-4
CVP Ag	Contract Delivery (annual average - includes Cross Valley Canal)	(TAF/year)	Long Term		534	625	-92
			Dry and Critical		159	348	-190
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		91	90	1
			Dry and Critical		45	66	-21
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		761	775	-14
			Dry and Critical		343	520	-177
South Lahontan Hydrologic Region							
SWP M&I	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		280	272	8
			Dry and Critical		154	245	-91
South Coast Hydrologic Region							
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term		1,379	1,366	13
			Dry and Critical		763	1,118	-355
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		9	9	0
			Dry and Critical		4	6	-2
Total For All Regions							
Total Supplies	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term		8,321	8,385	-64
			Dry and Critical		6,010	7,099	-1,089

Notes:

1. Long Term is the average quantity for the period of Oct 1921 - Sep 2003.
2. Dry and Critical Years Average is the average quantity for the combination of the SWRCB D-1641 40-30-30 Dry and Critical years for the period of Oct 1921 - Sep 2003.
3. "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.
4. "Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-13-7-2. CALSIM II Summary Reporting Metrics, Long-Term Average and Dry and Critical Year Averages

					Alternative 4 H3 (LLT)	Existing Condition	Alternative 4 H3 (LLT) minus Existing Condition
Water Supply Reliability							
North of Delta							
CVP Ag	Contract Delivery (annual average; does not include Exchange contractors)	(TAF/year)	Long Term		165	234	-69
			Dry and Critical		47	128	-81
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		382	210	172
			Dry and Critical		380	214	166
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		0	0	0
			Dry and Critical		0	0	0
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term		86	80	6
			Dry and Critical		48	66	-18
Total CVP North of Delta							
Total CVP Ag and M&I SOD	Contract Delivery (CVP) (annual average)	(TAF/year)	Long Term		547	444	103
			Dry and Critical		427	342	85
Total SWP North of Delta							
Total SWP Ag and M&I SOD	Contract Delivery (SWP) (annual average)	(TAF/year)	Long Term		86	80	6
			Dry and Critical		48	66	-18
Total North of Delta							
Total North of Delta Ag and M&I Deliveries	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term		633	524	109
			Dry and Critical		475	408	67
South of Delta							
CVP Ag	Contract Delivery (annual average; does not include Exchange contractors)	(TAF/year)	Long Term		821	967	-146
			Dry and Critical		247	536	-290
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		109	118	-8
			Dry and Critical		82	101	-19
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		775	789	-14
			Dry and Critical		349	529	-180
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term		1,951	1,919	32
			Dry and Critical		1,060	1,590	-530
Total CVP South of Delta							
Total CVP Ag and M&I SOD	Contract Delivery (CVP) (annual average)	(TAF/year)	Long Term		930	1,085	-154
			Dry and Critical		329	637	-309
Total SWP South of Delta							
Total SWP Ag and M&I SOD	Contract Delivery (SWP) (annual average)	(TAF/year)	Long Term		2,726	2,707	19
			Dry and Critical		1,409	2,119	-710
Total South of Delta							
Total South of Delta Ag and M&I Deliveries	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term		3,656	3,792	-136
			Dry and Critical		1,738	2,757	-1,019

Notes:

1. Long Term is the average quantity for the period of Oct 1921 - Sep 2003.
2. Dry and Critical Years Average is the average quantity for the combination of the SWRCB D-1641 40-30-30 Dry and Critical years for the period of Oct 1921 - Sep 2003.
3. "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.
4. "Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-13-8-1. CALSIM II Summary Reporting Metrics, Long-Term Average and Dry and Critical Year Averages

				Alternative 4 H4 (LLT)	Existing Condition	Alternative 4 H4 (LLT) minus Existing Condition
Water Supply Reliability						
Sacramento River Hydrologic Region						
CVP Settlement	Contract Delivery (annual average)	(TAF/year)	Long Term	1,842	1,840	2
			Dry and Critical	1,794	1,823	-29
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term	148	132	16
			Dry and Critical	128	115	12
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	192	86	106
			Dry and Critical	152	76	77
CVP Ag	Contract Delivery (annual average - does not include Settlement contractors)	(TAF/year)	Long Term	162	234	-72
			Dry and Critical	44	128	-84
SWP FRSA	Contract Delivery (annual average)	(TAF/year)	Long Term	935	948	-14
			Dry and Critical	861	899	-38
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	20	25	-5
			Dry and Critical	10	18	-7
San Joaquin River Hydrologic Region (not including Friant-Kern and Madera Canal water users)						
CVP Exchange	Contract Delivery (annual average)	(TAF/year)	Long Term	852	852	0
			Dry and Critical	814	814	0
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term	257	281	-24
			Dry and Critical	237	267	-30
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	15	16	-1
			Dry and Critical	11	13	-2
CVP Ag	Contract Delivery (annual average; does not include Exchange contractors)	(TAF/year)	Long Term	249	305	-56
			Dry and Critical	71	168	-96
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	3	4	-1
			Dry and Critical	2	3	-1
San Francisco Bay Hydrologic Region						
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	285	226	58
			Dry and Critical	304	226	78
CVP Ag	Contract Delivery (annual average)	(TAF/year)	Long Term	31	37	-6
			Dry and Critical	9	20	-11
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term	179	199	-20
			Dry and Critical	103	172	-69
Central Coast Hydrologic Region						
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	39	47	-8
			Dry and Critical	21	38	-17
Tulare Lake Hydrologic Region (not including Friant-Kern Canal water users)						
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term	12	15	-3
			Dry and Critical	11	14	-4
CVP Ag	Contract Delivery (annual average - includes Cross Valley Canal)	(TAF/year)	Long Term	517	625	-108
			Dry and Critical	144	348	-205
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	74	90	-17
			Dry and Critical	40	66	-26
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	633	775	-143
			Dry and Critical	304	520	-216
South Lahontan Hydrologic Region						
SWP M&I	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	226	272	-46
			Dry and Critical	133	245	-112
South Coast Hydrologic Region						
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term	1,136	1,366	-230
			Dry and Critical	666	1,118	-453
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	8	9	-2
			Dry and Critical	4	6	-2
Total For All Regions						
Total Supplies	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term	7,810	8,385	-575
			Dry and Critical	5,863	7,099	-1,236

Notes:

1. Long Term is the average quantity for the period of Oct 1921 - Sep 2003.
2. Dry and Critical Years Average is the average quantity for the combination of the SWRCB D-1641 40-30-30 Dry and Critical years for the period of Oct 1921 - Sep 2003.
3. "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.
4. "Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-13-8-2. CALSIM II Summary Reporting Metrics, Long-Term Average and Dry and Critical Year Averages

					Alternative 4 H4 (LLT)	Existing Condition	Alternative 4 H4 (LLT) minus Existing Condition
Water Supply Reliability							
North of Delta							
CVP Ag	Contract Delivery (annual average; does not include Exchange contractors)	(TAF/year)	Long Term		162	234	-72
			Dry and Critical		44	128	-84
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		382	210	172
			Dry and Critical		385	214	170
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		0	0	0
			Dry and Critical		0	0	0
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term		73	80	-7
			Dry and Critical		46	66	-21
Total CVP North of Delta							
Total CVP Ag and M&I SOD	Contract Delivery (CVP) (annual average)	(TAF/year)	Long Term		544	444	100
			Dry and Critical		429	342	87
Total SWP North of Delta							
Total SWP Ag and M&I SOD	Contract Delivery (SWP) (annual average)	(TAF/year)	Long Term		73	80	-7
			Dry and Critical		46	66	-21
Total North of Delta							
Total North of Delta Ag and M&I Deliveries	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term		617	524	93
			Dry and Critical		475	408	66
South of Delta							
CVP Ag	Contract Delivery (annual average; does not include Exchange contractors)	(TAF/year)	Long Term		796	967	-171
			Dry and Critical		224	536	-312
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		109	118	-9
			Dry and Critical		83	101	-18
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		643	789	-145
			Dry and Critical		310	529	-219
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term		1,600	1,919	-319
			Dry and Critical		926	1,590	-664
Total CVP South of Delta							
Total CVP Ag and M&I SOD	Contract Delivery (CVP) (annual average)	(TAF/year)	Long Term		905	1,085	-180
			Dry and Critical		307	637	-330
Total SWP South of Delta							
Total SWP Ag and M&I SOD	Contract Delivery (SWP) (annual average)	(TAF/year)	Long Term		2,243	2,707	-464
			Dry and Critical		1,236	2,119	-883
Total South of Delta							
Total South of Delta Ag and M&I Deliveries	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term		3,149	3,792	-644
			Dry and Critical		1,544	2,757	-1,213

Notes:

1. Long Term is the average quantity for the period of Oct 1921 - Sep 2003.
2. Dry and Critical Years Average is the average quantity for the combination of the SWRCB D-1641 40-30-30 Dry and Critical years for the period of Oct 1921 - Sep 2003.
3. "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.
4. "Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-13-9-1. CALSIM II Summary Reporting Metrics, Long-Term Average and Dry and Critical Year Averages

					Alternative 5 (LLT)	Existing Condition	Alternative 5 (LLT) minus Existing Condition
Water Supply Reliability							
Sacramento River Hydrologic Region							
CVP Settlement	Contract Delivery (annual average)	(TAF/year)	Long Term		1,833	1,840	-7
			Dry and Critical		1,768	1,823	-54
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term		149	132	17
			Dry and Critical		125	115	9
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		190	86	105
			Dry and Critical		146	76	71
CVP Ag	Contract Delivery (annual average - does not include Settlement contractors)	(TAF/year)	Long Term		162	234	-72
			Dry and Critical		47	128	-81
SWP FRSA	Contract Delivery (annual average)	(TAF/year)	Long Term		930	948	-18
			Dry and Critical		848	899	-51
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		23	25	-2
			Dry and Critical		12	18	-6
San Joaquin River Hydrologic Region (not including Friant-Kern and Madera Canal water users)							
CVP Exchange	Contract Delivery (annual average)	(TAF/year)	Long Term		852	852	0
			Dry and Critical		814	814	0
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term		257	281	-24
			Dry and Critical		238	267	-29
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		15	16	-1
			Dry and Critical		11	13	-2
CVP Ag	Contract Delivery (annual average; does not include Exchange contractors)	(TAF/year)	Long Term		259	305	-46
			Dry and Critical		79	168	-89
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		4	4	0
			Dry and Critical		2	3	-1
San Francisco Bay Hydrologic Region							
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		284	226	58
			Dry and Critical		304	226	78
CVP Ag	Contract Delivery (annual average)	(TAF/year)	Long Term		32	37	-6
			Dry and Critical		10	20	-11
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term		203	199	4
			Dry and Critical		115	172	-57
Central Coast Hydrologic Region							
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		45	47	-2
			Dry and Critical		24	38	-14
Tulare Lake Hydrologic Region (not including Friant-Kern Canal water users)							
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term		12	15	-3
			Dry and Critical		11	14	-4
CVP Ag	Contract Delivery (annual average - includes Cross Valley Canal)	(TAF/year)	Long Term		533	625	-92
			Dry and Critical		163	348	-185
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		85	90	-5
			Dry and Critical		46	66	-20
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		693	775	-82
			Dry and Critical		348	520	-172
South Lahontan Hydrologic Region							
SWP M&I	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		266	272	-5
			Dry and Critical		157	245	-87
South Coast Hydrologic Region							
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term		1,338	1,366	-28
			Dry and Critical		785	1,118	-334
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		9	9	-1
			Dry and Critical		4	6	-2
Total For All Regions							
Total Supplies	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term		8,173	8,385	-212
			Dry and Critical		6,058	7,099	-1,041

Notes:

1. Long Term is the average quantity for the period of Oct 1921 - Sep 2003.
2. Dry and Critical Years Average is the average quantity for the combination of the SWRCB D-1641 40-30-30 Dry and Critical years for the period of Oct 1921 - Sep 2003.
3. "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-13-9-2. CALSIM II Summary Reporting Metrics, Long-Term Average and Dry and Critical Year Averages

					Alternative 5 (LLT)	Existing Condition	Alternative 5 (LLT) minus Existing Condition
Water Supply Reliability							
North of Delta							
CVP Ag	Contract Delivery (annual average; does not include Exchange contractors)	(TAF/year)	Long Term		162	234	-72
			Dry and Critical		47	128	-81
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		380	210	170
			Dry and Critical		378	214	163
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		0	0	0
			Dry and Critical		0	0	0
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term		83	80	3
			Dry and Critical		50	66	-16
Total CVP North of Delta							
Total CVP Ag and M&I SOD	Contract Delivery (CVP) (annual average)	(TAF/year)	Long Term		542	444	99
			Dry and Critical		424	342	82
Total SWP North of Delta							
Total SWP Ag and M&I SOD	Contract Delivery (SWP) (annual average)	(TAF/year)	Long Term		83	80	3
			Dry and Critical		50	66	-16
Total North of Delta							
Total North of Delta Ag and M&I Deliveries	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term		625	524	101
			Dry and Critical		475	408	66
South of Delta							
CVP Ag	Contract Delivery (annual average; does not include Exchange contractors)	(TAF/year)	Long Term		823	967	-144
			Dry and Critical		252	536	-285
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		109	118	-9
			Dry and Critical		84	101	-17
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		705	789	-83
			Dry and Critical		355	529	-175
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term		1,878	1,919	-41
			Dry and Critical		1,089	1,590	-501
Total CVP South of Delta							
Total CVP Ag and M&I SOD	Contract Delivery (CVP) (annual average)	(TAF/year)	Long Term		932	1,085	-153
			Dry and Critical		336	637	-302
Total SWP South of Delta							
Total SWP Ag and M&I SOD	Contract Delivery (SWP) (annual average)	(TAF/year)	Long Term		2,583	2,707	-124
			Dry and Critical		1,444	2,119	-676
Total South of Delta							
Total South of Delta Ag and M&I Deliveries	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term		3,515	3,792	-277
			Dry and Critical		1,779	2,757	-978

Notes:

1. Long Term is the average quantity for the period of Oct 1921 - Sep 2003.
2. Dry and Critical Years Average is the average quantity for the combination of the SWRCB D-1641 40-30-30 Dry and Critical years for the period of Oct 1921 - Sep 2003.
3. "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-13-10-1. CALSIM II Summary Reporting Metrics, Long-Term Average and Dry and Critical Year Averages

					Alternative 6A,6B,6C (LLT)	Existing Condition	Alternative 6A,6B,6C (LLT) minus Existing Condition
Water Supply Reliability							
Sacramento River Hydrologic Region							
CVP Settlement	Contract Delivery (annual average)	(TAF/year)	Long Term		1,841	1,840	1
			Dry and Critical		1,788	1,823	-35
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term		143	132	11
			Dry and Critical		118	115	2
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		194	86	109
			Dry and Critical		156	76	80
CVP Ag	Contract Delivery (annual average - does not include Settlement contractors)	(TAF/year)	Long Term		142	234	-92
			Dry and Critical		32	128	-96
SWP FRSA	Contract Delivery (annual average)	(TAF/year)	Long Term		935	948	-13
			Dry and Critical		862	899	-37
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		18	25	-7
			Dry and Critical		3	18	-15
San Joaquin River Hydrologic Region (not including Friant-Kern and Madera Canal water users)							
CVP Exchange	Contract Delivery (annual average)	(TAF/year)	Long Term		849	852	-4
			Dry and Critical		806	814	-9
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term		242	281	-38
			Dry and Critical		204	267	-63
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		12	16	-4
			Dry and Critical		7	13	-6
CVP Ag	Contract Delivery (annual average; does not include Exchange contractors)	(TAF/year)	Long Term		181	305	-124
			Dry and Critical		19	168	-149
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		3	4	-1
			Dry and Critical		0	3	-2
San Francisco Bay Hydrologic Region							
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		268	226	42
			Dry and Critical		281	226	55
CVP Ag	Contract Delivery (annual average)	(TAF/year)	Long Term		22	37	-16
			Dry and Critical		2	20	-18
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term		160	199	-39
			Dry and Critical		40	172	-132
Central Coast Hydrologic Region							
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		34	47	-13
			Dry and Critical		6	38	-32
Tulare Lake Hydrologic Region (not including Friant-Kern Canal water users)							
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term		10	15	-5
			Dry and Critical		8	14	-7
CVP Ag	Contract Delivery (annual average - includes Cross Valley Canal)	(TAF/year)	Long Term		370	625	-255
			Dry and Critical		37	348	-311
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		65	90	-25
			Dry and Critical		11	66	-54
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		553	775	-223
			Dry and Critical		86	520	-434
South Lahontan Hydrologic Region							
SWP M&I	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		190	272	-82
			Dry and Critical		42	245	-203
South Coast Hydrologic Region							
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term		939	1,366	-427
			Dry and Critical		205	1,118	-913
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		7	9	-3
			Dry and Critical		1	6	-5
Total For All Regions							
Total Supplies	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term		7,179	8,385	-1,206
			Dry and Critical		4,713	7,099	-2,385

Notes:

1. Long Term is the average quantity for the period of Oct 1921 - Sep 2003.
2. Dry and Critical Years Average is the average quantity for the combination of the SWRCB D-1641 40-30-30 Dry and Critical years for the period of Oct 1921 - Sep 2003.
3. "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-13-10-2. CALSIM II Summary Reporting Metrics, Long-Term Average and Dry and Critical Year Averages

					Alternative 6A,6B,6C (LLT)	Existing Condition	Alternative 6A,6B,6C (LLT) minus Existing Condition
Water Supply Reliability							
North of Delta							
CVP Ag	Contract Delivery (annual average; does not include Exchange contractors)	(TAF/year)	Long Term		142	234	-92
			Dry and Critical		32	128	-96
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		385	210	174
			Dry and Critical		389	214	175
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		0	0	0
			Dry and Critical		0	0	0
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term		67	80	-13
			Dry and Critical		24	66	-43
Total CVP North of Delta							
Total CVP Ag and M&I SOD	Contract Delivery (CVP) (annual average)	(TAF/year)	Long Term		527	444	83
			Dry and Critical		421	342	78
Total SWP North of Delta							
Total SWP Ag and M&I SOD	Contract Delivery (SWP) (annual average)	(TAF/year)	Long Term		67	80	-13
			Dry and Critical		24	66	-43
Total North of Delta							
Total North of Delta Ag and M&I Deliveries	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term		594	524	69
			Dry and Critical		444	408	36
South of Delta							
CVP Ag	Contract Delivery (annual average; does not include Exchange contractors)	(TAF/year)	Long Term		573	967	-395
			Dry and Critical		58	536	-478
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		90	118	-27
			Dry and Critical		56	101	-45
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		562	789	-226
			Dry and Critical		88	529	-442
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term		1,339	1,919	-579
			Dry and Critical		283	1,590	-1,307
Total CVP South of Delta							
Total CVP Ag and M&I SOD	Contract Delivery (CVP) (annual average)	(TAF/year)	Long Term		663	1,085	-422
			Dry and Critical		114	637	-524
Total SWP South of Delta							
Total SWP Ag and M&I SOD	Contract Delivery (SWP) (annual average)	(TAF/year)	Long Term		1,902	2,707	-806
			Dry and Critical		371	2,119	-1,748
Total South of Delta							
Total South of Delta Ag and M&I Deliveries	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term		2,564	3,792	-1,228
			Dry and Critical		485	2,757	-2,272

Notes:

1. Long Term is the average quantity for the period of Oct 1921 - Sep 2003.
2. Dry and Critical Years Average is the average quantity for the combination of the SWRCB D-1641 40-30-30 Dry and Critical years for the period of Oct 1921 - Sep 2003.
3. "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-13-11-1. CALSIM II Summary Reporting Metrics, Long-Term Average and Dry and Critical Year Averages

					Alternative 7 (LLT)	Existing Condition	Alternative 7 (LLT) minus Existing Condition
Water Supply Reliability							
Sacramento River Hydrologic Region							
CVP Settlement	Contract Delivery (annual average)	(TAF/year)	Long Term		1,830	1,840	-10
			Dry and Critical		1,759	1,823	-64
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term		143	132	11
			Dry and Critical		116	115	1
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		190	86	104
			Dry and Critical		150	76	74
CVP Ag	Contract Delivery (annual average - does not include Settlement contractors)	(TAF/year)	Long Term		136	234	-97
			Dry and Critical		26	128	-102
SWP FRSA	Contract Delivery (annual average)	(TAF/year)	Long Term		933	948	-15
			Dry and Critical		856	899	-43
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		19	25	-6
			Dry and Critical		4	18	-14
San Joaquin River Hydrologic Region (not including Friant-Kern and Madera Canal water users)							
CVP Exchange	Contract Delivery (annual average)	(TAF/year)	Long Term		848	852	-5
			Dry and Critical		804	814	-10
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term		241	281	-40
			Dry and Critical		202	267	-65
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		12	16	-4
			Dry and Critical		7	13	-6
CVP Ag	Contract Delivery (annual average; does not include Exchange contractors)	(TAF/year)	Long Term		182	305	-122
			Dry and Critical		22	168	-146
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		3	4	-1
			Dry and Critical		1	3	-2
San Francisco Bay Hydrologic Region							
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		268	226	42
			Dry and Critical		278	226	52
CVP Ag	Contract Delivery (annual average)	(TAF/year)	Long Term		22	37	-15
			Dry and Critical		3	20	-18
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term		165	199	-34
			Dry and Critical		49	172	-123
Central Coast Hydrologic Region							
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		36	47	-11
			Dry and Critical		8	38	-30
Tulare Lake Hydrologic Region (not including Friant-Kern Canal water users)							
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term		10	15	-5
			Dry and Critical		8	14	-7
CVP Ag	Contract Delivery (annual average - includes Cross Valley Canal)	(TAF/year)	Long Term		373	625	-253
			Dry and Critical		40	348	-308
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		68	90	-23
			Dry and Critical		16	66	-50
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		535	775	-241
			Dry and Critical		120	520	-400
South Lahontan Hydrologic Region							
SWP M&I	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		194	272	-78
			Dry and Critical		53	245	-191
South Coast Hydrologic Region							
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term		961	1,366	-405
			Dry and Critical		263	1,118	-855
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		7	9	-3
			Dry and Critical		2	6	-5
Total For All Regions							
Total Supplies	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term		7,176	8,385	-1,209
			Dry and Critical		4,788	7,099	-2,311

Notes:

1. Long Term is the average quantity for the period of Oct 1921 - Sep 2003.
2. Dry and Critical Years Average is the average quantity for the combination of the SWRCB D-1641 40-30-30 Dry and Critical years for the period of Oct 1921 - Sep 2003.
3. "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-13-11-2. CALSIM II Summary Reporting Metrics, Long-Term Average and Dry and Critical Year Averages

					Alternative 7 (LLT)	Existing Condition	Alternative 7 (LLT) minus Existing Condition
Water Supply Reliability							
North of Delta							
CVP Ag	Contract Delivery (annual average; does not include Exchange contractors)	(TAF/year)	Long Term		136	234	-97
			Dry and Critical		26	128	-102
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		380	210	170
			Dry and Critical		381	214	167
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		0	0	0
			Dry and Critical		0	0	0
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term		68	80	-12
			Dry and Critical		26	66	-40
Total CVP North of Delta							
Total CVP Ag and M&I SOD	Contract Delivery (CVP) (annual average)	(TAF/year)	Long Term		516	444	72
			Dry and Critical		407	342	65
Total SWP North of Delta							
Total SWP Ag and M&I SOD	Contract Delivery (SWP) (annual average)	(TAF/year)	Long Term		68	80	-12
			Dry and Critical		26	66	-40
Total North of Delta							
Total North of Delta Ag and M&I Deliveries	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term		584	524	60
			Dry and Critical		433	408	25
South of Delta							
CVP Ag	Contract Delivery (annual average; does not include Exchange contractors)	(TAF/year)	Long Term		577	967	-390
			Dry and Critical		65	536	-472
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		90	118	-28
			Dry and Critical		54	101	-46
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		544	789	-244
			Dry and Critical		122	529	-407
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term		1,374	1,919	-545
			Dry and Critical		368	1,590	-1,222
Total CVP South of Delta							
Total CVP Ag and M&I SOD	Contract Delivery (CVP) (annual average)	(TAF/year)	Long Term		667	1,085	-418
			Dry and Critical		119	637	-518
Total SWP South of Delta							
Total SWP Ag and M&I SOD	Contract Delivery (SWP) (annual average)	(TAF/year)	Long Term		1,918	2,707	-789
			Dry and Critical		490	2,119	-1,629
Total South of Delta							
Total South of Delta Ag and M&I Deliveries	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term		2,586	3,792	-1,207
			Dry and Critical		609	2,757	-2,147

Notes:

1. Long Term is the average quantity for the period of Oct 1921 - Sep 2003.
2. Dry and Critical Years Average is the average quantity for the combination of the SWRCB D-1641 40-30-30 Dry and Critical years for the period of Oct 1921 - Sep 2003.
3. "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-13-12-1. CALSIM II Summary Reporting Metrics, Long-Term Average and Dry and Critical Year Averages

				Alternative 8 (LLT)	Existing Condition	Alternative 8 (LLT) minus Existing Condition
Water Supply Reliability						
Sacramento River Hydrologic Region						
CVP Settlement	Contract Delivery (annual average)	(TAF/year)	Long Term	1,819	1,840	-21
			Dry and Critical	1,730	1,823	-92
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term	139	132	7
			Dry and Critical	115	115	-1
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	183	86	98
			Dry and Critical	138	76	63
CVP Ag	Contract Delivery (annual average - does not include Settlement contractors)	(TAF/year)	Long Term	132	234	-102
			Dry and Critical	21	128	-107
SWP FRSA	Contract Delivery (annual average)	(TAF/year)	Long Term	874	948	-74
			Dry and Critical	729	899	-171
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	17	25	-8
			Dry and Critical	6	18	-11
San Joaquin River Hydrologic Region (not including Friant-Kern and Madera Canal water users)						
CVP Exchange	Contract Delivery (annual average)	(TAF/year)	Long Term	849	852	-4
			Dry and Critical	805	814	-9
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term	226	281	-55
			Dry and Critical	170	267	-97
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	8	16	-8
			Dry and Critical	3	13	-10
CVP Ag	Contract Delivery (annual average; does not include Exchange contractors)	(TAF/year)	Long Term	166	305	-139
			Dry and Critical	11	168	-157
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	3	4	-1
			Dry and Critical	1	3	-2
San Francisco Bay Hydrologic Region						
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	242	226	15
			Dry and Critical	252	226	26
CVP Ag	Contract Delivery (annual average)	(TAF/year)	Long Term	16	37	-21
			Dry and Critical	1	20	-20
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term	124	199	-75
			Dry and Critical	52	172	-120
Central Coast Hydrologic Region						
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	27	47	-19
			Dry and Critical	8	38	-30
Tulare Lake Hydrologic Region (not including Friant-Kern Canal water users)						
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term	9	15	-6
			Dry and Critical	5	14	-9
CVP Ag	Contract Delivery (annual average - includes Cross Valley Canal)	(TAF/year)	Long Term	304	625	-321
			Dry and Critical	11	348	-338
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	55	90	-36
			Dry and Critical	18	66	-48
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	449	775	-326
			Dry and Critical	126	520	-394
South Lahontan Hydrologic Region						
SWP M&I	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	136	272	-135
			Dry and Critical	38	245	-206
South Coast Hydrologic Region						
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term	662	1,366	-705
			Dry and Critical	208	1,118	-910
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	5	9	-4
			Dry and Critical	1	6	-5
Total For All Regions						
Total Supplies	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term	6,446	8,385	-1,940
			Dry and Critical	4,450	7,099	-2,649

Notes:

1. Long Term is the average quantity for the period of Oct 1921 - Sep 2003.
2. Dry and Critical Years Average is the average quantity for the combination of the SWRCB D-1641 40-30-30 Dry and Critical years for the period of Oct 1921 - Sep 2003.
3. "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-13-12-2. CALSIM II Summary Reporting Metrics, Long-Term Average and Dry and Critical Year Averages

					Alternative 8 (LLT)	Existing Condition	Alternative 8 (LLT) minus Existing Condition
Water Supply Reliability							
North of Delta							
CVP Ag	Contract Delivery (annual average; does not include Exchange contractors)	(TAF/year)	Long Term		132	234	-102
			Dry and Critical		21	128	-107
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		373	210	163
			Dry and Critical		368	214	154
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		0	0	0
			Dry and Critical		0	0	0
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term		47	80	-33
			Dry and Critical		23	66	-44
Total CVP North of Delta							
Total CVP Ag and M&I SOD	Contract Delivery (CVP) (annual average)	(TAF/year)	Long Term		505	444	61
			Dry and Critical		389	342	47
Total SWP North of Delta							
Total SWP Ag and M&I SOD	Contract Delivery (SWP) (annual average)	(TAF/year)	Long Term		47	80	-33
			Dry and Critical		23	66	-44
Total North of Delta							
Total North of Delta Ag and M&I Deliveries	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term		552	524	28
			Dry and Critical		412	408	4
South of Delta							
CVP Ag	Contract Delivery (annual average; does not include Exchange contractors)	(TAF/year)	Long Term		486	967	-481
			Dry and Critical		22	536	-514
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		61	118	-57
			Dry and Critical		25	101	-76
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		457	789	-332
			Dry and Critical		128	529	-401
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term		973	1,919	-945
			Dry and Critical		308	1,590	-1,282
Total CVP South of Delta							
Total CVP Ag and M&I SOD	Contract Delivery (CVP) (annual average)	(TAF/year)	Long Term		547	1,085	-538
			Dry and Critical		47	637	-590
Total SWP South of Delta							
Total SWP Ag and M&I SOD	Contract Delivery (SWP) (annual average)	(TAF/year)	Long Term		1,430	2,707	-1,277
			Dry and Critical		436	2,119	-1,683
Total South of Delta							
Total South of Delta Ag and M&I Deliveries	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term		1,977	3,792	-1,815
			Dry and Critical		483	2,757	-2,274

Notes:

1. Long Term is the average quantity for the period of Oct 1921 - Sep 2003.
2. Dry and Critical Years Average is the average quantity for the combination of the SWRCB D-1641 40-30-30 Dry and Critical years for the period of Oct 1921 - Sep 2003.
3. "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-13-13-1. CALSIM II Summary Reporting Metrics, Long-Term Average and Dry and Critical Year Averages

					Alternative 9 (LLT)	Existing Condition	Alternative 9 (LLT) minus Existing Condition
Water Supply Reliability							
Sacramento River Hydrologic Region							
CVP Settlement	Contract Delivery (annual average)	(TAF/year)	Long Term		1,833	1,840	-7
			Dry and Critical		1,769	1,823	-54
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term		149	132	17
			Dry and Critical		127	115	11
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		188	86	103
			Dry and Critical		149	76	74
CVP Ag	Contract Delivery (annual average - does not include Settlement contractors)	(TAF/year)	Long Term		141	234	-92
			Dry and Critical		35	128	-93
SWP FRSA	Contract Delivery (annual average)	(TAF/year)	Long Term		930	948	-19
			Dry and Critical		847	899	-52
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		22	25	-3
			Dry and Critical		11	18	-7
San Joaquin River Hydrologic Region (not including Friant-Kern and Madera Canal water users)							
CVP Exchange	Contract Delivery (annual average)	(TAF/year)	Long Term		852	852	0
			Dry and Critical		814	814	0
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term		259	281	-22
			Dry and Critical		243	267	-24
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		14	16	-2
			Dry and Critical		11	13	-2
CVP Ag	Contract Delivery (annual average; does not include Exchange contractors)	(TAF/year)	Long Term		224	305	-81
			Dry and Critical		58	168	-109
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		3	4	0
			Dry and Critical		2	3	-1
San Francisco Bay Hydrologic Region							
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		279	226	53
			Dry and Critical		302	226	76
CVP Ag	Contract Delivery (annual average)	(TAF/year)	Long Term		27	37	-10
			Dry and Critical		7	20	-13
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term		193	199	-6
			Dry and Critical		104	172	-67
Central Coast Hydrologic Region							
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		43	47	-4
			Dry and Critical		22	38	-16
Tulare Lake Hydrologic Region (not including Friant-Kern Canal water users)							
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term		12	15	-3
			Dry and Critical		11	14	-3
CVP Ag	Contract Delivery (annual average - includes Cross Valley Canal)	(TAF/year)	Long Term		454	625	-171
			Dry and Critical		120	348	-228
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		82	90	-8
			Dry and Critical		42	66	-24
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		629	775	-147
			Dry and Critical		322	520	-199
South Lahontan Hydrologic Region							
SWP M&I	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		245	272	-27
			Dry and Critical		144	245	-101
South Coast Hydrologic Region							
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term		1,158	1,366	-209
			Dry and Critical		727	1,118	-391
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		8	9	-1
			Dry and Critical		4	6	-2
Total For All Regions							
Total Supplies	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term		7,745	8,385	-640
			Dry and Critical		5,872	7,099	-1,227

Notes:

1. Long Term is the average quantity for the period of Oct 1921 - Sep 2003.
2. Dry and Critical Years Average is the average quantity for the combination of the SWRCB D-1641 40-30-30 Dry and Critical years for the period of Oct 1921 - Sep 2003.
3. "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-13-13-2. CALSIM II Summary Reporting Metrics, Long-Term Average and Dry and Critical Year Averages

					Alternative 9 (LLT)	Existing Condition	Alternative 9 (LLT) minus Existing Condition
Water Supply Reliability							
North of Delta							
CVP Ag	Contract Delivery (annual average; does not include Exchange contractors)	(TAF/year)	Long Term		141	234	-92
			Dry and Critical		35	128	-93
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		376	210	166
			Dry and Critical		379	214	165
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		0	0	0
			Dry and Critical		0	0	0
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term		80	80	0
			Dry and Critical		45	66	-22
Total CVP North of Delta							
Total CVP Ag and M&I SOD	Contract Delivery (CVP) (annual average)	(TAF/year)	Long Term		517	444	74
			Dry and Critical		414	342	72
Total SWP North of Delta							
Total SWP Ag and M&I SOD	Contract Delivery (SWP) (annual average)	(TAF/year)	Long Term		80	80	0
			Dry and Critical		45	66	-22
Total North of Delta							
Total North of Delta Ag and M&I Deliveries	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term		597	524	73
			Dry and Critical		458	408	50
South of Delta							
CVP Ag	Contract Delivery (annual average; does not include Exchange contractors)	(TAF/year)	Long Term		705	967	-262
			Dry and Critical		186	536	-351
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		105	118	-12
			Dry and Critical		84	101	-17
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		640	789	-148
			Dry and Critical		327	529	-202
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term		1,662	1,919	-257
			Dry and Critical		1,006	1,590	-584
Total CVP South of Delta							
Total CVP Ag and M&I SOD	Contract Delivery (CVP) (annual average)	(TAF/year)	Long Term		810	1,085	-275
			Dry and Critical		269	637	-368
Total SWP South of Delta							
Total SWP Ag and M&I SOD	Contract Delivery (SWP) (annual average)	(TAF/year)	Long Term		2,302	2,707	-405
			Dry and Critical		1,333	2,119	-786
Total South of Delta							
Total South of Delta Ag and M&I Deliveries	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term		3,112	3,792	-680
			Dry and Critical		1,603	2,757	-1,154

Notes:

1. Long Term is the average quantity for the period of Oct 1921 - Sep 2003.
2. Dry and Critical Years Average is the average quantity for the combination of the SWRCB D-1641 40-30-30 Dry and Critical years for the period of Oct 1921 - Sep 2003.
3. "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-13-14-1. CALSIM II Summary Reporting Metrics, Long-Term Average and Dry and Critical Year Averages

				Alternative 1A,1B,1C (LLT)	No Action Alternative (LLT)	Alternative 1A,1B,1C (LLT) minus No Action Alternative (LLT)
Water Supply Reliability						
Sacramento River Hydrologic Region						
CVP Settlement	Contract Delivery (annual average)	(TAF/year)	Long Term	1,832	1,834	-2
			Dry and Critical	1,767	1,770	-3
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term	154	147	7
			Dry and Critical	127	127	0
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	195	192	3
			Dry and Critical	152	149	2
CVP Ag	Contract Delivery (annual average - does not include Settlement contractors)	(TAF/year)	Long Term	179	161	18
			Dry and Critical	56	44	13
SWP FRSA	Contract Delivery (annual average)	(TAF/year)	Long Term	933	929	4
			Dry and Critical	856	845	11
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	26	21	5
			Dry and Critical	14	13	2
San Joaquin River Hydrologic Region (not including Friant-Kern and Madera Canal water users)						
CVP Exchange	Contract Delivery (annual average)	(TAF/year)	Long Term	852	852	0
			Dry and Critical	814	814	0
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term	256	257	-1
			Dry and Critical	234	238	-4
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	16	14	2
			Dry and Critical	12	11	0
CVP Ag	Contract Delivery (annual average; does not include Exchange contractors)	(TAF/year)	Long Term	297	232	65
			Dry and Critical	96	73	24
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	4	3	1
			Dry and Critical	2	2	0
San Francisco Bay Hydrologic Region						
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	289	281	8
			Dry and Critical	305	303	2
CVP Ag	Contract Delivery (annual average)	(TAF/year)	Long Term	37	27	9
			Dry and Critical	12	9	3
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term	234	184	50
			Dry and Critical	136	117	19
Central Coast Hydrologic Region						
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	51	40	10
			Dry and Critical	29	25	4
Tulare Lake Hydrologic Region (not including Friant-Kern Canal water users)						
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term	12	12	0
			Dry and Critical	11	11	0
CVP Ag	Contract Delivery (annual average - includes Cross Valley Canal)	(TAF/year)	Long Term	622	468	154
			Dry and Critical	199	147	52
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	97	77	20
			Dry and Critical	55	48	7
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	915	603	312
			Dry and Critical	452	366	86
South Lahontan Hydrologic Region						
SWP M&I	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	302	243	59
			Dry and Critical	193	163	30
South Coast Hydrologic Region						
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term	1,540	1,233	307
			Dry and Critical	971	810	162
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	11	8	3
			Dry and Critical	6	5	1
Total For All Regions						
Total Supplies	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term	8,852	7,819	1,033
			Dry and Critical	6,500	6,089	411

Notes:

1. Long Term is the average quantity for the period of Oct 1921 - Sep 2003.
2. Dry and Critical Years Average is the average quantity for the combination of the SWRCB D-1641 40-30-30 Dry and Critical years for the period of Oct 1921 - Sep 2003.
3. "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-13-14-2. CALSIM II Summary Reporting Metrics, Long-Term Average and Dry and Critical Year Averages

					Alternative 1A,1B,1C (LLT)	No Action Alternative (LLT)	Alternative 1A,1B,1C (LLT) minus No Action Alternative (LLT)
Water Supply Reliability							
North of Delta							
CVP Ag	Contract Delivery (annual average; does not include Exchange contractors)	(TAF/year)	Long Term		179	161	18
			Dry and Critical		56	44	13
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		384	381	3
			Dry and Critical		383	380	3
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		0	0	0
			Dry and Critical		0	0	0
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term		91	76	15
			Dry and Critical		56	49	7
Total CVP North of Delta							
Total CVP Ag and M&I SOD	Contract Delivery (CVP) (annual average)	(TAF/year)	Long Term		563	542	21
			Dry and Critical		439	424	15
Total SWP North of Delta							
Total SWP Ag and M&I SOD	Contract Delivery (SWP) (annual average)	(TAF/year)	Long Term		91	76	15
			Dry and Critical		56	49	7
Total North of Delta							
Total North of Delta Ag and M&I Deliveries	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term		654	618	36
			Dry and Critical		496	473	22
South of Delta							
CVP Ag	Contract Delivery (annual average; does not include Exchange contractors)	(TAF/year)	Long Term		956	727	229
			Dry and Critical		306	228	78
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		114	105	10
			Dry and Critical		86	83	2
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		930	614	316
			Dry and Critical		460	372	87
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term		2,158	1,723	435
			Dry and Critical		1,343	1,126	217
Total CVP South of Delta							
Total CVP Ag and M&I SOD	Contract Delivery (CVP) (annual average)	(TAF/year)	Long Term		1,070	832	238
			Dry and Critical		392	312	80
Total SWP South of Delta							
Total SWP Ag and M&I SOD	Contract Delivery (SWP) (annual average)	(TAF/year)	Long Term		3,088	2,337	751
			Dry and Critical		1,803	1,499	304
Total South of Delta							
Total South of Delta Ag and M&I Deliveries	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term		4,159	3,169	990
			Dry and Critical		2,195	1,810	384

Notes:

1. Long Term is the average quantity for the period of Oct 1921 - Sep 2003.
2. Dry and Critical Years Average is the average quantity for the combination of the SWRCB D-1641 40-30-30 Dry and Critical years for the period of Oct 1921 - Sep 2003.
3. "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-13-15-1. CALSIM II Summary Reporting Metrics, Long-Term Average and Dry and Critical Year Averages

				Alternative 2A,2B,2C (LLT)	No Action Alternative (LLT)	Alternative 2A,2B,2C (LLT) minus No Action Alternative (LLT)
Water Supply Reliability						
Sacramento River Hydrologic Region						
CVP Settlement	Contract Delivery (annual average)	(TAF/year)	Long Term	1,831	1,834	-4
			Dry and Critical	1,763	1,770	-8
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term	151	147	4
			Dry and Critical	125	127	-2
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	193	192	1
			Dry and Critical	150	149	0
CVP Ag	Contract Delivery (annual average - does not include Settlement contractors)	(TAF/year)	Long Term	164	161	3
			Dry and Critical	45	44	1
SWP FRSA	Contract Delivery (annual average)	(TAF/year)	Long Term	933	929	4
			Dry and Critical	857	845	12
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	25	21	4
			Dry and Critical	12	13	0
San Joaquin River Hydrologic Region (not including Friant-Kern and Madera Canal water users)						
CVP Exchange	Contract Delivery (annual average)	(TAF/year)	Long Term	852	852	0
			Dry and Critical	814	814	0
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term	255	257	-3
			Dry and Critical	231	238	-7
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	15	14	1
			Dry and Critical	11	11	0
CVP Ag	Contract Delivery (annual average; does not include Exchange contractors)	(TAF/year)	Long Term	258	232	26
			Dry and Critical	76	73	3
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	4	3	1
			Dry and Critical	2	2	0
San Francisco Bay Hydrologic Region						
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	284	281	4
			Dry and Critical	301	303	-2
CVP Ag	Contract Delivery (annual average)	(TAF/year)	Long Term	32	27	4
			Dry and Critical	9	9	0
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term	221	184	38
			Dry and Critical	119	117	2
Central Coast Hydrologic Region						
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	49	40	8
			Dry and Critical	25	25	0
Tulare Lake Hydrologic Region (not including Friant-Kern Canal water users)						
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term	12	12	0
			Dry and Critical	10	11	-1
CVP Ag	Contract Delivery (annual average - includes Cross Valley Canal)	(TAF/year)	Long Term	540	468	72
			Dry and Critical	154	147	7
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	93	77	16
			Dry and Critical	48	48	0
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	818	603	214
			Dry and Critical	370	366	4
South Lahontan Hydrologic Region						
SWP M&I	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	285	243	42
			Dry and Critical	162	163	-1
South Coast Hydrologic Region						
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term	1,416	1,233	182
			Dry and Critical	804	810	-6
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	10	8	2
			Dry and Critical	5	5	0
Total For All Regions						
Total Supplies	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term	8,440	7,819	621
			Dry and Critical	6,091	6,089	2

Notes:

1. Long Term is the average quantity for the period of Oct 1921 - Sep 2003.
2. Dry and Critical Years Average is the average quantity for the combination of the SWRCB D-1641 40-30-30 Dry and Critical years for the period of Oct 1921 - Sep 2003.
3. "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-13-15-2. CALSIM II Summary Reporting Metrics, Long-Term Average and Dry and Critical Year Averages

					Alternative 2A,2B,2C (LLT)	No Action Alternative (LLT)	Alternative 2A,2B,2C (LLT) minus No Action Alternative (LLT)
Water Supply Reliability							
North of Delta							
CVP Ag	Contract Delivery (annual average; does not include Exchange contractors)	(TAF/year)	Long Term		164	161	3
			Dry and Critical		45	44	1
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		382	381	1
			Dry and Critical		381	380	0
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		0	0	0
			Dry and Critical		0	0	0
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term		87	76	11
			Dry and Critical		51	49	1
Total CVP North of Delta							
Total CVP Ag and M&I SOD	Contract Delivery (CVP) (annual average)	(TAF/year)	Long Term		546	542	4
			Dry and Critical		426	424	2
Total SWP North of Delta							
Total SWP Ag and M&I SOD	Contract Delivery (SWP) (annual average)	(TAF/year)	Long Term		87	76	11
			Dry and Critical		51	49	1
Total North of Delta							
Total North of Delta Ag and M&I Deliveries	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term		633	618	15
			Dry and Critical		476	473	3
South of Delta							
CVP Ag	Contract Delivery (annual average; does not include Exchange contractors)	(TAF/year)	Long Term		830	727	103
			Dry and Critical		239	228	10
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		109	105	5
			Dry and Critical		81	83	-3
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		832	614	218
			Dry and Critical		377	372	4
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term		2,002	1,723	279
			Dry and Critical		1,119	1,126	-7
Total CVP South of Delta							
Total CVP Ag and M&I SOD	Contract Delivery (CVP) (annual average)	(TAF/year)	Long Term		939	832	107
			Dry and Critical		319	312	8
Total SWP South of Delta							
Total SWP Ag and M&I SOD	Contract Delivery (SWP) (annual average)	(TAF/year)	Long Term		2,834	2,337	497
			Dry and Critical		1,496	1,499	-3
Total South of Delta							
Total South of Delta Ag and M&I Deliveries	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term		3,773	3,169	604
			Dry and Critical		1,815	1,810	5

Notes:

1. Long Term is the average quantity for the period of Oct 1921 - Sep 2003.
2. Dry and Critical Years Average is the average quantity for the combination of the SWRCB D-1641 40-30-30 Dry and Critical years for the period of Oct 1921 - Sep 2003.
3. "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-13-16-1. CALSIM II Summary Reporting Metrics, Long-Term Average and Dry and Critical Year Averages

				Alternative 3 (LLT)	No Action Alternative (LLT)	Alternative 3 (LLT) minus No Action Alternative (LLT)
Water Supply Reliability						
Sacramento River Hydrologic Region						
CVP Settlement	Contract Delivery (annual average)	(TAF/year)	Long Term	1,831	1,834	-3
			Dry and Critical	1,766	1,770	-5
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term	154	147	7
			Dry and Critical	127	127	0
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	194	192	3
			Dry and Critical	150	149	1
CVP Ag	Contract Delivery (annual average - does not include Settlement contractors)	(TAF/year)	Long Term	178	161	17
			Dry and Critical	56	44	12
SWP FRSA	Contract Delivery (annual average)	(TAF/year)	Long Term	933	929	4
			Dry and Critical	856	845	12
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	25	21	5
			Dry and Critical	13	13	1
San Joaquin River Hydrologic Region (not including Friant-Kern and Madera Canal water users)						
CVP Exchange	Contract Delivery (annual average)	(TAF/year)	Long Term	852	852	0
			Dry and Critical	814	814	0
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term	258	257	1
			Dry and Critical	240	238	2
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	16	14	2
			Dry and Critical	12	11	1
CVP Ag	Contract Delivery (annual average; does not include Exchange contractors)	(TAF/year)	Long Term	295	232	63
			Dry and Critical	95	73	23
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	4	3	1
			Dry and Critical	2	2	0
San Francisco Bay Hydrologic Region						
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	289	281	9
			Dry and Critical	307	303	4
CVP Ag	Contract Delivery (annual average)	(TAF/year)	Long Term	37	27	9
			Dry and Critical	12	9	3
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term	228	184	44
			Dry and Critical	127	117	10
Central Coast Hydrologic Region						
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	50	40	9
			Dry and Critical	27	25	2
Tulare Lake Hydrologic Region (not including Friant-Kern Canal water users)						
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term	12	12	0
			Dry and Critical	11	11	0
CVP Ag	Contract Delivery (annual average - includes Cross Valley Canal)	(TAF/year)	Long Term	619	468	151
			Dry and Critical	197	147	50
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	95	77	18
			Dry and Critical	51	48	3
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	872	603	269
			Dry and Critical	416	366	50
South Lahontan Hydrologic Region						
SWP M&I	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	299	243	56
			Dry and Critical	182	163	19
South Coast Hydrologic Region						
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term	1,511	1,233	278
			Dry and Critical	911	810	101
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	10	8	3
			Dry and Critical	5	5	1
Total For All Regions						
Total Supplies	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term	8,763	7,819	944
			Dry and Critical	6,377	6,089	288

Notes:

1. Long Term is the average quantity for the period of Oct 1921 - Sep 2003.
2. Dry and Critical Years Average is the average quantity for the combination of the SWRCB D-1641 40-30-30 Dry and Critical years for the period of Oct 1921 - Sep 2003.
3. "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-13-16-2. CALSIM II Summary Reporting Metrics, Long-Term Average and Dry and Critical Year Averages

					Alternative 3 (LLT)	No Action Alternative (LLT)	Alternative 3 (LLT) minus No Action Alternative (LLT)
Water Supply Reliability							
North of Delta							
CVP Ag	Contract Delivery (annual average; does not include Exchange contractors)	(TAF/year)	Long Term		178	161	17
			Dry and Critical		56	44	12
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		384	381	3
			Dry and Critical		382	380	1
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		0	0	0
			Dry and Critical		0	0	0
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term		89	76	14
			Dry and Critical		53	49	4
Total CVP North of Delta							
Total CVP Ag and M&I SOD	Contract Delivery (CVP) (annual average)	(TAF/year)	Long Term		562	542	20
			Dry and Critical		438	424	13
Total SWP North of Delta							
Total SWP Ag and M&I SOD	Contract Delivery (SWP) (annual average)	(TAF/year)	Long Term		89	76	14
			Dry and Critical		53	49	4
Total North of Delta							
Total North of Delta Ag and M&I Deliveries	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term		652	618	34
			Dry and Critical		491	473	17
South of Delta							
CVP Ag	Contract Delivery (annual average; does not include Exchange contractors)	(TAF/year)	Long Term		951	727	223
			Dry and Critical		304	228	76
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		115	105	10
			Dry and Critical		87	83	4
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		887	614	272
			Dry and Critical		423	372	51
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term		2,119	1,723	396
			Dry and Critical		1,258	1,126	132
Total CVP South of Delta							
Total CVP Ag and M&I SOD	Contract Delivery (CVP) (annual average)	(TAF/year)	Long Term		1,066	832	234
			Dry and Critical		391	312	80
Total SWP South of Delta							
Total SWP Ag and M&I SOD	Contract Delivery (SWP) (annual average)	(TAF/year)	Long Term		3,005	2,337	668
			Dry and Critical		1,681	1,499	183
Total South of Delta							
Total South of Delta Ag and M&I Deliveries	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term		4,071	3,169	902
			Dry and Critical		2,073	1,810	262

Notes:

1. Long Term is the average quantity for the period of Oct 1921 - Sep 2003.
2. Dry and Critical Years Average is the average quantity for the combination of the SWRCB D-1641 40-30-30 Dry and Critical years for the period of Oct 1921 - Sep 2003.
3. "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-13-17-1. CALSIM II Summary Reporting Metrics, Long-Term Average and Dry and Critical Year Averages

				Alternative 4 H1 (LLT)	No Action Alternative (LLT)	Alternative 4 H1 (LLT) minus No Action Alternative (LLT)
Water Supply Reliability						
Sacramento River Hydrologic Region						
CVP Settlement	Contract Delivery (annual average)	(TAF/year)	Long Term	1,831	1,834	-3
			Dry and Critical	1,765	1,770	-5
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term	155	147	7
			Dry and Critical	129	127	2
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	198	192	7
			Dry and Critical	158	149	8
CVP Ag	Contract Delivery (annual average - does not include Settlement contractors)	(TAF/year)	Long Term	180	161	19
			Dry and Critical	62	44	18
SWP FRSA	Contract Delivery (annual average)	(TAF/year)	Long Term	930	929	1
			Dry and Critical	849	845	5
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	25	21	5
			Dry and Critical	13	13	1
San Joaquin River Hydrologic Region (not including Friant-Kern and Madera Canal water users)						
CVP Exchange	Contract Delivery (annual average)	(TAF/year)	Long Term	852	852	0
			Dry and Critical	814	814	0
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term	256	257	-1
			Dry and Critical	235	238	-3
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	15	14	2
			Dry and Critical	12	11	1
CVP Ag	Contract Delivery (annual average; does not include Exchange contractors)	(TAF/year)	Long Term	293	232	61
			Dry and Critical	105	73	33
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	4	3	1
			Dry and Critical	2	2	0
San Francisco Bay Hydrologic Region						
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	288	281	8
			Dry and Critical	306	303	3
CVP Ag	Contract Delivery (annual average)	(TAF/year)	Long Term	36	27	9
			Dry and Critical	13	9	4
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term	225	184	41
			Dry and Critical	126	117	9
Central Coast Hydrologic Region						
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	49	40	9
			Dry and Critical	27	25	2
Tulare Lake Hydrologic Region (not including Friant-Kern Canal water users)						
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term	12	12	0
			Dry and Critical	10	11	0
CVP Ag	Contract Delivery (annual average - includes Cross Valley Canal)	(TAF/year)	Long Term	611	468	143
			Dry and Critical	214	147	67
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	94	77	17
			Dry and Critical	51	48	3
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	811	603	208
			Dry and Critical	390	366	24
South Lahontan Hydrologic Region						
SWP M&I	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	294	243	50
			Dry and Critical	176	163	12
South Coast Hydrologic Region						
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term	1,481	1,233	247
			Dry and Critical	871	810	61
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	10	8	2
			Dry and Critical	5	5	0
Total For All Regions						
Total Supplies	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term	8,652	7,819	833
			Dry and Critical	6,333	6,089	244

Notes:

1. Long Term is the average quantity for the period of Oct 1921 - Sep 2003.
2. Dry and Critical Years Average is the average quantity for the combination of the SWRCB D-1641 40-30-30 Dry and Critical years for the period of Oct 1921 - Sep 2003.
3. "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.
4. "Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-13-17-2. CALSIM II Summary Reporting Metrics, Long-Term Average and Dry and Critical Year Averages

					Alternative 4 H1 (LLT)	No Action Alternative (LLT)	Alternative 4 H1 (LLT) minus No Action Alternative (LLT)
Water Supply Reliability							
North of Delta							
	CVP Ag	Contract Delivery (annual average; does not include Exchange contractors)	(TAF/year)	Long Term	180	161	19
				Dry and Critical	62	44	18
	CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	388	381	7
				Dry and Critical	389	380	8
	SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	0	0	0
				Dry and Critical	0	0	0
	SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term	89	76	14
				Dry and Critical	54	49	5
Total CVP North of Delta							
	Total CVP Ag and M&I SOD	Contract Delivery (CVP) (annual average)	(TAF/year)	Long Term	568	542	26
				Dry and Critical	450	424	26
Total SWP North of Delta							
	Total SWP Ag and M&I SOD	Contract Delivery (SWP) (annual average)	(TAF/year)	Long Term	89	76	14
				Dry and Critical	54	49	5
Total North of Delta							
	Total North of Delta Ag and M&I Deliveries	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term	657	618	40
				Dry and Critical	504	473	31
South of Delta							
	CVP Ag	Contract Delivery (annual average; does not include Exchange contractors)	(TAF/year)	Long Term	940	727	213
				Dry and Critical	332	228	104
	CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	114	105	9
				Dry and Critical	87	83	4
	SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	825	614	211
				Dry and Critical	397	372	24
	SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term	2,079	1,723	356
				Dry and Critical	1,209	1,126	83
Total CVP South of Delta							
	Total CVP Ag and M&I SOD	Contract Delivery (CVP) (annual average)	(TAF/year)	Long Term	1,054	832	222
				Dry and Critical	420	312	108
Total SWP South of Delta							
	Total SWP Ag and M&I SOD	Contract Delivery (SWP) (annual average)	(TAF/year)	Long Term	2,903	2,337	566
				Dry and Critical	1,606	1,499	108
Total South of Delta							
	Total South of Delta Ag and M&I Deliveries	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term	3,958	3,169	789
				Dry and Critical	2,026	1,810	216

Notes:

1. Long Term is the average quantity for the period of Oct 1921 - Sep 2003.
2. Dry and Critical Years Average is the average quantity for the combination of the SWRCB D-1641 40-30-30 Dry and Critical years for the period of Oct 1921 - Sep 2003.
3. "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.
4. "Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-13-18-1. CALSIM II Summary Reporting Metrics, Long-Term Average and Dry and Critical Year Averages

				Alternative 4 H2 (LLT)	No Action Alternative (LLT)	Alternative 4 H2 (LLT) minus No Action Alternative (LLT)
Water Supply Reliability						
Sacramento River Hydrologic Region						
CVP Settlement	Contract Delivery (annual average)	(TAF/year)	Long Term	1,842	1,834	7
			Dry and Critical	1,792	1,770	22
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term	150	147	3
			Dry and Critical	128	127	1
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	197	192	5
			Dry and Critical	159	149	10
CVP Ag	Contract Delivery (annual average - does not include Settlement contractors)	(TAF/year)	Long Term	178	161	17
			Dry and Critical	60	44	16
SWP FRSA	Contract Delivery (annual average)	(TAF/year)	Long Term	931	929	2
			Dry and Critical	855	845	10
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	21	21	0
			Dry and Critical	12	13	-1
San Joaquin River Hydrologic Region (not including Friant-Kern and Madera Canal water users)						
CVP Exchange	Contract Delivery (annual average)	(TAF/year)	Long Term	852	852	0
			Dry and Critical	814	814	0
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term	258	257	0
			Dry and Critical	239	238	1
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	15	14	1
			Dry and Critical	12	11	1
CVP Ag	Contract Delivery (annual average; does not include Exchange contractors)	(TAF/year)	Long Term	285	232	53
			Dry and Critical	99	73	27
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	3	3	0
			Dry and Critical	2	2	0
San Francisco Bay Hydrologic Region						
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	288	281	8
			Dry and Critical	308	303	5
CVP Ag	Contract Delivery (annual average)	(TAF/year)	Long Term	35	27	8
			Dry and Critical	12	9	3
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term	188	184	4
			Dry and Critical	112	117	-5
Central Coast Hydrologic Region						
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	40	40	0
			Dry and Critical	23	25	-2
Tulare Lake Hydrologic Region (not including Friant-Kern Canal water users)						
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term	12	12	0
			Dry and Critical	11	11	0
CVP Ag	Contract Delivery (annual average - includes Cross Valley Canal)	(TAF/year)	Long Term	594	468	127
			Dry and Critical	202	147	55
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	77	77	0
			Dry and Critical	45	48	-3
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	670	603	67
			Dry and Critical	336	366	-30
South Lahontan Hydrologic Region						
SWP M&I	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	243	243	-1
			Dry and Critical	154	163	-9
South Coast Hydrologic Region						
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term	1,240	1,233	7
			Dry and Critical	758	810	-52
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	8	8	1
			Dry and Critical	4	5	0
Total For All Regions						
Total Supplies	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term	8,128	7,819	309
			Dry and Critical	6,137	6,089	49

Notes:

1. Long Term is the average quantity for the period of Oct 1921 - Sep 2003.
2. Dry and Critical Years Average is the average quantity for the combination of the SWRCB D-1641 40-30-30 Dry and Critical years for the period of Oct 1921 - Sep 2003.
3. "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.
4. "Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-13-18-2. CALSIM II Summary Reporting Metrics, Long-Term Average and Dry and Critical Year Averages

					Alternative 4 H2 (LLT)	No Action Alternative (LLT)	Alternative 4 H2 (LLT) minus No Action Alternative (LLT)
Water Supply Reliability							
	North of Delta						
	CVP Ag	Contract Delivery (annual average; does not include Exchange contractors)	(TAF/year)	Long Term	178	161	17
				Dry and Critical	60	44	16
	CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	387	381	6
				Dry and Critical	391	380	11
	SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	0	0	0
				Dry and Critical	0	0	0
	SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term	76	76	1
				Dry and Critical	49	49	0
	Total CVP North of Delta						
	Total CVP Ag and M&I SOD	Contract Delivery (CVP) (annual average)	(TAF/year)	Long Term	565	542	22
				Dry and Critical	451	424	27
	Total SWP North of Delta						
	Total SWP Ag and M&I SOD	Contract Delivery (SWP) (annual average)	(TAF/year)	Long Term	76	76	1
				Dry and Critical	49	49	0
	Total North of Delta						
	Total North of Delta Ag and M&I Deliveries	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term	641	618	23
				Dry and Critical	500	473	27
	South of Delta						
	CVP Ag	Contract Delivery (annual average; does not include Exchange contractors)	(TAF/year)	Long Term	915	727	188
				Dry and Critical	314	228	86
	CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	114	105	9
				Dry and Critical	88	83	5
	SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	682	614	68
				Dry and Critical	342	372	-30
	SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term	1,732	1,723	9
				Dry and Critical	1,054	1,126	-72
	Total CVP South of Delta						
	Total CVP Ag and M&I SOD	Contract Delivery (CVP) (annual average)	(TAF/year)	Long Term	1,028	832	196
				Dry and Critical	402	312	91
	Total SWP South of Delta						
	Total SWP Ag and M&I SOD	Contract Delivery (SWP) (annual average)	(TAF/year)	Long Term	2,414	2,337	77
				Dry and Critical	1,396	1,499	-102
	Total South of Delta						
	Total South of Delta Ag and M&I Deliveries	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term	3,442	3,169	273
				Dry and Critical	1,799	1,810	-12

Notes:

1. Long Term is the average quantity for the period of Oct 1921 - Sep 2003.
2. Dry and Critical Years Average is the average quantity for the combination of the SWRCB D-1641 40-30-30 Dry and Critical years for the period of Oct 1921 - Sep 2003.
3. "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.
4. "Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-13-19-1. CALSIM II Summary Reporting Metrics, Long-Term Average and Dry and Critical Year Averages

				Alternative 4 H3 (LLT)	No Action Alternative (LLT)	Alternative 4 H3 (LLT) minus No Action Alternative (LLT)
Water Supply Reliability						
Sacramento River Hydrologic Region						
CVP Settlement	Contract Delivery (annual average)	(TAF/year)	Long Term	1,831	1,834	-3
			Dry and Critical	1,763	1,770	-7
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term	150	147	3
			Dry and Critical	125	127	-2
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	192	192	1
			Dry and Critical	150	149	0
CVP Ag	Contract Delivery (annual average - does not include Settlement contractors)	(TAF/year)	Long Term	165	161	4
			Dry and Critical	47	44	3
SWP FRSA	Contract Delivery (annual average)	(TAF/year)	Long Term	931	929	2
			Dry and Critical	850	845	5
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	24	21	4
			Dry and Critical	12	13	-1
San Joaquin River Hydrologic Region (not including Friant-Kern and Madera Canal water users)						
CVP Exchange	Contract Delivery (annual average)	(TAF/year)	Long Term	852	852	0
			Dry and Critical	814	814	0
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term	256	257	-2
			Dry and Critical	234	238	-4
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	15	14	1
			Dry and Critical	11	11	0
CVP Ag	Contract Delivery (annual average; does not include Exchange contractors)	(TAF/year)	Long Term	256	232	24
			Dry and Critical	79	73	6
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	4	3	1
			Dry and Critical	2	2	0
San Francisco Bay Hydrologic Region						
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	284	281	4
			Dry and Critical	302	303	-1
CVP Ag	Contract Delivery (annual average)	(TAF/year)	Long Term	32	27	4
			Dry and Critical	9	9	1
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term	215	184	31
			Dry and Critical	112	117	-5
Central Coast Hydrologic Region						
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	48	40	7
			Dry and Critical	23	25	-2
Tulare Lake Hydrologic Region (not including Friant-Kern Canal water users)						
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term	12	12	0
			Dry and Critical	10	11	0
CVP Ag	Contract Delivery (annual average - includes Cross Valley Canal)	(TAF/year)	Long Term	534	468	66
			Dry and Critical	159	147	12
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	91	77	14
			Dry and Critical	45	48	-3
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	761	603	158
			Dry and Critical	343	366	-23
South Lahontan Hydrologic Region						
SWP M&I	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	280	243	36
			Dry and Critical	154	163	-9
South Coast Hydrologic Region						
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term	1,379	1,233	146
			Dry and Critical	763	810	-47
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	9	8	2
			Dry and Critical	4	5	0
Total For All Regions						
Total Supplies	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term	8,321	7,819	502
			Dry and Critical	6,010	6,089	-79

Notes:

1. Long Term is the average quantity for the period of Oct 1921 - Sep 2003.
2. Dry and Critical Years Average is the average quantity for the combination of the SWRCB D-1641 40-30-30 Dry and Critical years for the period of Oct 1921 - Sep 2003.
3. "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.
4. "Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-13-19-2. CALSIM II Summary Reporting Metrics, Long-Term Average and Dry and Critical Year Averages

					Alternative 4 H3 (LLT)	No Action Alternative (LLT)	Alternative 4 H3 (LLT) minus No Action Alternative (LLT)
Water Supply Reliability							
North of Delta							
CVP Ag	Contract Delivery (annual average; does not include Exchange contractors)	(TAF/year)	Long Term		165	161	4
			Dry and Critical		47	44	3
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		382	381	1
			Dry and Critical		380	380	0
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		0	0	0
			Dry and Critical		0	0	0
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term		86	76	10
			Dry and Critical		48	49	-1
Total CVP North of Delta							
Total CVP Ag and M&I SOD	Contract Delivery (CVP) (annual average)	(TAF/year)	Long Term		547	542	5
			Dry and Critical		427	424	3
Total SWP North of Delta							
Total SWP Ag and M&I SOD	Contract Delivery (SWP) (annual average)	(TAF/year)	Long Term		86	76	10
			Dry and Critical		48	49	-1
Total North of Delta							
Total North of Delta Ag and M&I Deliveries	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term		633	618	15
			Dry and Critical		475	473	2
South of Delta							
CVP Ag	Contract Delivery (annual average; does not include Exchange contractors)	(TAF/year)	Long Term		821	727	94
			Dry and Critical		247	228	18
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		109	105	4
			Dry and Critical		82	83	-2
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		775	614	161
			Dry and Critical		349	372	-23
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term		1,951	1,723	228
			Dry and Critical		1,060	1,126	-66
Total CVP South of Delta							
Total CVP Ag and M&I SOD	Contract Delivery (CVP) (annual average)	(TAF/year)	Long Term		930	832	98
			Dry and Critical		329	312	17
Total SWP South of Delta							
Total SWP Ag and M&I SOD	Contract Delivery (SWP) (annual average)	(TAF/year)	Long Term		2,726	2,337	389
			Dry and Critical		1,409	1,499	-89
Total South of Delta							
Total South of Delta Ag and M&I Deliveries	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term		3,656	3,169	487
			Dry and Critical		1,738	1,810	-72

Notes:

1. Long Term is the average quantity for the period of Oct 1921 - Sep 2003.
2. Dry and Critical Years Average is the average quantity for the combination of the SWRCB D-1641 40-30-30 Dry and Critical years for the period of Oct 1921 - Sep 2003.
3. "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.
4. "Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-13-20-1. CALSIM II Summary Reporting Metrics, Long-Term Average and Dry and Critical Year Averages

				Alternative 4 H4 (LLT)	No Action Alternative (LLT)	Alternative 4 H4 (LLT) minus No Action Alternative (LLT)
Water Supply Reliability						
Sacramento River Hydrologic Region						
CVP Settlement	Contract Delivery (annual average)	(TAF/year)	Long Term	1,842	1,834	8
			Dry and Critical	1,794	1,770	23
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term	148	147	0
			Dry and Critical	128	127	0
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	192	192	0
			Dry and Critical	152	149	3
CVP Ag	Contract Delivery (annual average - does not include Settlement contractors)	(TAF/year)	Long Term	162	161	1
			Dry and Critical	44	44	0
SWP FRSA	Contract Delivery (annual average)	(TAF/year)	Long Term	935	929	6
			Dry and Critical	861	845	17
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	20	21	-1
			Dry and Critical	10	13	-2
San Joaquin River Hydrologic Region (not including Friant-Kern and Madera Canal water users)						
CVP Exchange	Contract Delivery (annual average)	(TAF/year)	Long Term	852	852	0
			Dry and Critical	814	814	0
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term	257	257	0
			Dry and Critical	237	238	-1
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	15	14	1
			Dry and Critical	11	11	0
CVP Ag	Contract Delivery (annual average; does not include Exchange contractors)	(TAF/year)	Long Term	249	232	17
			Dry and Critical	71	73	-1
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	3	3	0
			Dry and Critical	2	2	0
San Francisco Bay Hydrologic Region						
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	285	281	4
			Dry and Critical	304	303	1
CVP Ag	Contract Delivery (annual average)	(TAF/year)	Long Term	31	27	3
			Dry and Critical	9	9	0
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term	179	184	-5
			Dry and Critical	103	117	-14
Central Coast Hydrologic Region						
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	39	40	-2
			Dry and Critical	21	25	-4
Tulare Lake Hydrologic Region (not including Friant-Kern Canal water users)						
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term	12	12	0
			Dry and Critical	11	11	0
CVP Ag	Contract Delivery (annual average - includes Cross Valley Canal)	(TAF/year)	Long Term	517	468	49
			Dry and Critical	144	147	-3
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	74	77	-3
			Dry and Critical	40	48	-8
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	633	603	29
			Dry and Critical	304	366	-61
South Lahontan Hydrologic Region						
SWP M&I	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	226	243	-17
			Dry and Critical	133	163	-30
South Coast Hydrologic Region						
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term	1,136	1,233	-97
			Dry and Critical	666	810	-144
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	8	8	0
			Dry and Critical	4	5	-1
Total For All Regions						
Total Supplies	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term	7,810	7,819	-8
			Dry and Critical	5,863	6,089	-226

Notes:

1. Long Term is the average quantity for the period of Oct 1921 - Sep 2003.
2. Dry and Critical Years Average is the average quantity for the combination of the SWRCB D-1641 40-30-30 Dry and Critical years for the period of Oct 1921 - Sep 2003.
3. "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.
4. "Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-13-20-2. CALSIM II Summary Reporting Metrics, Long-Term Average and Dry and Critical Year Averages

					Alternative 4 H4 (LLT)	No Action Alternative (LLT)	Alternative 4 H4 (LLT) minus No Action Alternative (LLT)
Water Supply Reliability							
North of Delta							
CVP Ag	Contract Delivery (annual average; does not include Exchange contractors)	(TAF/year)	Long Term		162	161	1
			Dry and Critical		44	44	0
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		382	381	1
			Dry and Critical		385	380	4
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		0	0	0
			Dry and Critical		0	0	0
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term		73	76	-3
			Dry and Critical		46	49	-3
Total CVP North of Delta							
Total CVP Ag and M&I SOD	Contract Delivery (CVP) (annual average)	(TAF/year)	Long Term		544	542	2
			Dry and Critical		429	424	5
Total SWP North of Delta							
Total SWP Ag and M&I SOD	Contract Delivery (SWP) (annual average)	(TAF/year)	Long Term		73	76	-3
			Dry and Critical		46	49	-3
Total North of Delta							
Total North of Delta Ag and M&I Deliveries	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term		617	618	-1
			Dry and Critical		475	473	1
South of Delta							
CVP Ag	Contract Delivery (annual average; does not include Exchange contractors)	(TAF/year)	Long Term		796	727	69
			Dry and Critical		224	228	-4
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		109	105	4
			Dry and Critical		83	83	0
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		643	614	29
			Dry and Critical		310	372	-62
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term		1,600	1,723	-123
			Dry and Critical		926	1,126	-200
Total CVP South of Delta							
Total CVP Ag and M&I SOD	Contract Delivery (CVP) (annual average)	(TAF/year)	Long Term		905	832	73
			Dry and Critical		307	312	-5
Total SWP South of Delta							
Total SWP Ag and M&I SOD	Contract Delivery (SWP) (annual average)	(TAF/year)	Long Term		2,243	2,337	-94
			Dry and Critical		1,236	1,499	-262
Total South of Delta							
Total South of Delta Ag and M&I Deliveries	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term		3,149	3,169	-20
			Dry and Critical		1,544	1,810	-267

Notes:

1. Long Term is the average quantity for the period of Oct 1921 - Sep 2003.
2. Dry and Critical Years Average is the average quantity for the combination of the SWRCB D-1641 40-30-30 Dry and Critical years for the period of Oct 1921 - Sep 2003.
3. "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.
4. "Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-13-21-1. CALSIM II Summary Reporting Metrics, Long-Term Average and Dry and Critical Year Averages

				Alternative 5 (LLT)	No Action Alternative (LLT)	Alternative 5 (LLT) minus No Action Alternative (LLT)
Water Supply Reliability						
Sacramento River Hydrologic Region						
CVP Settlement	Contract Delivery (annual average)	(TAF/year)	Long Term	1,833	1,834	-1
			Dry and Critical	1,768	1,770	-2
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term	149	147	2
			Dry and Critical	125	127	-2
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	190	192	-1
			Dry and Critical	146	149	-3
CVP Ag	Contract Delivery (annual average - does not include Settlement contractors)	(TAF/year)	Long Term	162	161	1
			Dry and Critical	47	44	3
SWP FRSA	Contract Delivery (annual average)	(TAF/year)	Long Term	930	929	1
			Dry and Critical	848	845	4
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	23	21	2
			Dry and Critical	12	13	0
San Joaquin River Hydrologic Region (not including Friant-Kern and Madera Canal water users)						
CVP Exchange	Contract Delivery (annual average)	(TAF/year)	Long Term	852	852	0
			Dry and Critical	814	814	0
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term	257	257	0
			Dry and Critical	238	238	0
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	15	14	1
			Dry and Critical	11	11	0
CVP Ag	Contract Delivery (annual average; does not include Exchange contractors)	(TAF/year)	Long Term	259	232	27
			Dry and Critical	79	73	6
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	4	3	0
			Dry and Critical	2	2	0
San Francisco Bay Hydrologic Region						
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	284	281	4
			Dry and Critical	304	303	0
CVP Ag	Contract Delivery (annual average)	(TAF/year)	Long Term	32	27	4
			Dry and Critical	10	9	1
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term	203	184	20
			Dry and Critical	115	117	-2
Central Coast Hydrologic Region						
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	45	40	4
			Dry and Critical	24	25	-1
Tulare Lake Hydrologic Region (not including Friant-Kern Canal water users)						
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term	12	12	0
			Dry and Critical	11	11	0
CVP Ag	Contract Delivery (annual average - includes Cross Valley Canal)	(TAF/year)	Long Term	533	468	65
			Dry and Critical	163	147	16
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	85	77	8
			Dry and Critical	46	48	-2
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	693	603	90
			Dry and Critical	348	366	-17
South Lahontan Hydrologic Region						
SWP M&I	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	266	243	23
			Dry and Critical	157	163	-6
South Coast Hydrologic Region						
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term	1,338	1,233	105
			Dry and Critical	785	810	-25
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	9	8	1
			Dry and Critical	4	5	0
Total For All Regions						
Total Supplies	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term	8,173	7,819	355
			Dry and Critical	6,058	6,089	-31

Notes:

1. Long Term is the average quantity for the period of Oct 1921 - Sep 2003.
2. Dry and Critical Years Average is the average quantity for the combination of the SWRCB D-1641 40-30-30 Dry and Critical years for the period of Oct 1921 - Sep 2003.
3. "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-13-21-2. CALSIM II Summary Reporting Metrics, Long-Term Average and Dry and Critical Year Averages

					Alternative 5 (LLT)	No Action Alternative (LLT)	Alternative 5 (LLT) minus No Action Alternative (LLT)
Water Supply Reliability							
North of Delta							
CVP Ag	Contract Delivery (annual average; does not include Exchange contractors)	(TAF/year)	Long Term		162	161	1
			Dry and Critical		47	44	3
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		380	381	-1
			Dry and Critical		378	380	-3
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		0	0	0
			Dry and Critical		0	0	0
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term		83	76	7
			Dry and Critical		50	49	1
Total CVP North of Delta							
Total CVP Ag and M&I SOD	Contract Delivery (CVP) (annual average)	(TAF/year)	Long Term		542	542	0
			Dry and Critical		424	424	0
Total SWP North of Delta							
Total SWP Ag and M&I SOD	Contract Delivery (SWP) (annual average)	(TAF/year)	Long Term		83	76	7
			Dry and Critical		50	49	1
Total North of Delta							
Total North of Delta Ag and M&I Deliveries	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term		625	618	8
			Dry and Critical		475	473	1
South of Delta							
CVP Ag	Contract Delivery (annual average; does not include Exchange contractors)	(TAF/year)	Long Term		823	727	96
			Dry and Critical		252	228	24
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		109	105	4
			Dry and Critical		84	83	0
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		705	614	91
			Dry and Critical		355	372	-18
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term		1,878	1,723	155
			Dry and Critical		1,089	1,126	-37
Total CVP South of Delta							
Total CVP Ag and M&I SOD	Contract Delivery (CVP) (annual average)	(TAF/year)	Long Term		932	832	100
			Dry and Critical		336	312	24
Total SWP South of Delta							
Total SWP Ag and M&I SOD	Contract Delivery (SWP) (annual average)	(TAF/year)	Long Term		2,583	2,337	246
			Dry and Critical		1,444	1,499	-55
Total South of Delta							
Total South of Delta Ag and M&I Deliveries	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term		3,515	3,169	346
			Dry and Critical		1,779	1,810	-31

Notes:

1. Long Term is the average quantity for the period of Oct 1921 - Sep 2003.
2. Dry and Critical Years Average is the average quantity for the combination of the SWRCB D-1641 40-30-30 Dry and Critical years for the period of Oct 1921 - Sep 2003.
3. "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-13-22-1. CALSIM II Summary Reporting Metrics, Long-Term Average and Dry and Critical Year Averages

					Alternative 6A,6B,6C (LLT)	No Action Alternative (LLT)	Alternative 6A,6B,6C (LLT) minus No Action Alternative (LLT)
Water Supply Reliability							
Sacramento River Hydrologic Region							
CVP Settlement	Contract Delivery (annual average)	(TAF/year)	Long Term		1,841	1,834	7
			Dry and Critical		1,788	1,770	17
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term		143	147	-4
			Dry and Critical		118	127	-10
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		194	192	3
			Dry and Critical		156	149	7
CVP Ag	Contract Delivery (annual average - does not include Settlement contractors)	(TAF/year)	Long Term		142	161	-19
			Dry and Critical		32	44	-12
SWP FRSA	Contract Delivery (annual average)	(TAF/year)	Long Term		935	929	6
			Dry and Critical		862	845	18
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		18	21	-3
			Dry and Critical		3	13	-10
San Joaquin River Hydrologic Region (not including Friant-Kern and Madera Canal water users)							
CVP Exchange	Contract Delivery (annual average)	(TAF/year)	Long Term		849	852	-4
			Dry and Critical		806	814	-8
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term		242	257	-15
			Dry and Critical		204	238	-34
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		12	14	-2
			Dry and Critical		7	11	-4
CVP Ag	Contract Delivery (annual average; does not include Exchange contractors)	(TAF/year)	Long Term		181	232	-51
			Dry and Critical		19	73	-54
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		3	3	0
			Dry and Critical		0	2	-2
San Francisco Bay Hydrologic Region							
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		268	281	-12
			Dry and Critical		281	303	-22
CVP Ag	Contract Delivery (annual average)	(TAF/year)	Long Term		22	27	-6
			Dry and Critical		2	9	-7
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term		160	184	-24
			Dry and Critical		40	117	-77
Central Coast Hydrologic Region							
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		34	40	-6
			Dry and Critical		6	25	-19
Tulare Lake Hydrologic Region (not including Friant-Kern Canal water users)							
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term		10	12	-1
			Dry and Critical		8	11	-3
CVP Ag	Contract Delivery (annual average - includes Cross Valley Canal)	(TAF/year)	Long Term		370	468	-98
			Dry and Critical		37	147	-110
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		65	77	-12
			Dry and Critical		11	48	-36
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		553	603	-51
			Dry and Critical		86	366	-280
South Lahontan Hydrologic Region							
SWP M&I	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		190	243	-54
			Dry and Critical		42	163	-121
South Coast Hydrologic Region							
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term		939	1,233	-294
			Dry and Critical		205	810	-605
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		7	8	-1
			Dry and Critical		1	5	-4
Total For All Regions							
Total Supplies	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term		7,179	7,819	-640
			Dry and Critical		4,713	6,089	-1,375

Notes:

1. Long Term is the average quantity for the period of Oct 1921 - Sep 2003.
2. Dry and Critical Years Average is the average quantity for the combination of the SWRCB D-1641 40-30-30 Dry and Critical years for the period of Oct 1921 - Sep 2003.
3. "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-13-22-2. CALSIM II Summary Reporting Metrics, Long-Term Average and Dry and Critical Year Averages

					Alternative 6A,6B,6C (LLT)	No Action Alternative (LLT)	Alternative 6A,6B,6C (LLT) minus No Action Alternative (LLT)
Water Supply Reliability							
North of Delta							
CVP Ag	Contract Delivery (annual average; does not include Exchange contractors)	(TAF/year)	Long Term		142	161	-19
			Dry and Critical		32	44	-12
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		385	381	3
			Dry and Critical		389	380	8
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		0	0	0
			Dry and Critical		0	0	0
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term		67	76	-9
			Dry and Critical		24	49	-26
Total CVP North of Delta							
Total CVP Ag and M&I SOD	Contract Delivery (CVP) (annual average)	(TAF/year)	Long Term		527	542	-16
			Dry and Critical		421	424	-4
Total SWP North of Delta							
Total SWP Ag and M&I SOD	Contract Delivery (SWP) (annual average)	(TAF/year)	Long Term		67	76	-9
			Dry and Critical		24	49	-26
Total North of Delta							
Total North of Delta Ag and M&I Deliveries	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term		594	618	-24
			Dry and Critical		444	473	-29
South of Delta							
CVP Ag	Contract Delivery (annual average; does not include Exchange contractors)	(TAF/year)	Long Term		573	727	-155
			Dry and Critical		58	228	-170
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		90	105	-15
			Dry and Critical		56	83	-28
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		562	614	-52
			Dry and Critical		88	372	-285
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term		1,339	1,723	-384
			Dry and Critical		283	1,126	-843
Total CVP South of Delta							
Total CVP Ag and M&I SOD	Contract Delivery (CVP) (annual average)	(TAF/year)	Long Term		663	832	-169
			Dry and Critical		114	312	-198
Total SWP South of Delta							
Total SWP Ag and M&I SOD	Contract Delivery (SWP) (annual average)	(TAF/year)	Long Term		1,902	2,337	-436
			Dry and Critical		371	1,499	-1,128
Total South of Delta							
Total South of Delta Ag and M&I Deliveries	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term		2,564	3,169	-605
			Dry and Critical		485	1,810	-1,326

Notes:

1. Long Term is the average quantity for the period of Oct 1921 - Sep 2003.
2. Dry and Critical Years Average is the average quantity for the combination of the SWRCB D-1641 40-30-30 Dry and Critical years for the period of Oct 1921 - Sep 2003.
3. "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-13-23-1. CALSIM II Summary Reporting Metrics, Long-Term Average and Dry and Critical Year Averages

					Alternative 7 (LLT)	No Action Alternative (LLT)	Alternative 7 (LLT) minus No Action Alternative (LLT)
Water Supply Reliability							
Sacramento River Hydrologic Region							
CVP Settlement	Contract Delivery (annual average)	(TAF/year)	Long Term		1,830	1,834	-4
			Dry and Critical		1,759	1,770	-12
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term		143	147	-4
			Dry and Critical		116	127	-11
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		190	192	-2
			Dry and Critical		150	149	0
CVP Ag	Contract Delivery (annual average - does not include Settlement contractors)	(TAF/year)	Long Term		136	161	-25
			Dry and Critical		26	44	-18
SWP FRSA	Contract Delivery (annual average)	(TAF/year)	Long Term		933	929	4
			Dry and Critical		856	845	12
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		19	21	-2
			Dry and Critical		4	13	-9
San Joaquin River Hydrologic Region (not including Friant-Kern and Madera Canal water users)							
CVP Exchange	Contract Delivery (annual average)	(TAF/year)	Long Term		848	852	-5
			Dry and Critical		804	814	-10
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term		241	257	-16
			Dry and Critical		202	238	-36
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		12	14	-2
			Dry and Critical		7	11	-4
CVP Ag	Contract Delivery (annual average; does not include Exchange contractors)	(TAF/year)	Long Term		182	232	-49
			Dry and Critical		22	73	-51
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		3	3	0
			Dry and Critical		1	2	-1
San Francisco Bay Hydrologic Region							
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		268	281	-13
			Dry and Critical		278	303	-25
CVP Ag	Contract Delivery (annual average)	(TAF/year)	Long Term		22	27	-6
			Dry and Critical		3	9	-6
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term		165	184	-19
			Dry and Critical		49	117	-68
Central Coast Hydrologic Region							
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		36	40	-5
			Dry and Critical		8	25	-17
Tulare Lake Hydrologic Region (not including Friant-Kern Canal water users)							
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term		10	12	-2
			Dry and Critical		8	11	-3
CVP Ag	Contract Delivery (annual average - includes Cross Valley Canal)	(TAF/year)	Long Term		373	468	-95
			Dry and Critical		40	147	-107
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		68	77	-9
			Dry and Critical		16	48	-32
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		535	603	-68
			Dry and Critical		120	366	-246
South Lahontan Hydrologic Region							
SWP M&I	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		194	243	-49
			Dry and Critical		53	163	-110
South Coast Hydrologic Region							
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term		961	1,233	-272
			Dry and Critical		263	810	-546
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		7	8	-1
			Dry and Critical		2	5	-3
Total For All Regions							
Total Supplies	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term		7,176	7,819	-643
			Dry and Critical		4,788	6,089	-1,301

Notes:

1. Long Term is the average quantity for the period of Oct 1921 - Sep 2003.
2. Dry and Critical Years Average is the average quantity for the combination of the SWRCB D-1641 40-30-30 Dry and Critical years for the period of Oct 1921 - Sep 2003.
3. "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-13-23-2. CALSIM II Summary Reporting Metrics, Long-Term Average and Dry and Critical Year Averages

					Alternative 7 (LLT)	No Action Alternative (LLT)	Alternative 7 (LLT) minus No Action Alternative (LLT)
Water Supply Reliability							
North of Delta							
CVP Ag	Contract Delivery (annual average; does not include Exchange contractors)	(TAF/year)	Long Term		136	161	-25
			Dry and Critical		26	44	-18
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		380	381	-1
			Dry and Critical		381	380	1
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		0	0	0
			Dry and Critical		0	0	0
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term		68	76	-7
			Dry and Critical		26	49	-23
Total CVP North of Delta							
Total CVP Ag and M&I SOD	Contract Delivery (CVP) (annual average)	(TAF/year)	Long Term		516	542	-26
			Dry and Critical		407	424	-17
Total SWP North of Delta							
Total SWP Ag and M&I SOD	Contract Delivery (SWP) (annual average)	(TAF/year)	Long Term		68	76	-7
			Dry and Critical		26	49	-23
Total North of Delta							
Total North of Delta Ag and M&I Deliveries	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term		584	618	-34
			Dry and Critical		433	473	-40
South of Delta							
CVP Ag	Contract Delivery (annual average; does not include Exchange contractors)	(TAF/year)	Long Term		577	727	-150
			Dry and Critical		65	228	-164
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		90	105	-15
			Dry and Critical		54	83	-29
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		544	614	-70
			Dry and Critical		122	372	-250
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term		1,374	1,723	-349
			Dry and Critical		368	1,126	-758
Total CVP South of Delta							
Total CVP Ag and M&I SOD	Contract Delivery (CVP) (annual average)	(TAF/year)	Long Term		667	832	-165
			Dry and Critical		119	312	-193
Total SWP South of Delta							
Total SWP Ag and M&I SOD	Contract Delivery (SWP) (annual average)	(TAF/year)	Long Term		1,918	2,337	-419
			Dry and Critical		490	1,499	-1,008
Total South of Delta							
Total South of Delta Ag and M&I Deliveries	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term		2,586	3,169	-584
			Dry and Critical		609	1,810	-1,201

Notes:

1. Long Term is the average quantity for the period of Oct 1921 - Sep 2003.
2. Dry and Critical Years Average is the average quantity for the combination of the SWRCB D-1641 40-30-30 Dry and Critical years for the period of Oct 1921 - Sep 2003.
3. "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-13-24-1. CALSIM II Summary Reporting Metrics, Long-Term Average and Dry and Critical Year Averages

					Alternative 8 (LLT)	No Action Alternative (LLT)	Alternative 8 (LLT) minus No Action Alternative (LLT)
Water Supply Reliability							
Sacramento River Hydrologic Region							
CVP Settlement	Contract Delivery (annual average)	(TAF/year)	Long Term		1,819	1,834	-15
			Dry and Critical		1,730	1,770	-40
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term		139	147	-9
			Dry and Critical		115	127	-12
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		183	192	-8
			Dry and Critical		138	149	-11
CVP Ag	Contract Delivery (annual average - does not include Settlement contractors)	(TAF/year)	Long Term		132	161	-29
			Dry and Critical		21	44	-23
SWP FRSA	Contract Delivery (annual average)	(TAF/year)	Long Term		874	929	-55
			Dry and Critical		729	845	-116
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		17	21	-4
			Dry and Critical		6	13	-6
San Joaquin River Hydrologic Region (not including Friant-Kern and Madera Canal water users)							
CVP Exchange	Contract Delivery (annual average)	(TAF/year)	Long Term		849	852	-4
			Dry and Critical		805	814	-9
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term		226	257	-31
			Dry and Critical		170	238	-68
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		8	14	-6
			Dry and Critical		3	11	-8
CVP Ag	Contract Delivery (annual average; does not include Exchange contractors)	(TAF/year)	Long Term		166	232	-66
			Dry and Critical		11	73	-62
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		3	3	-1
			Dry and Critical		1	2	-1
San Francisco Bay Hydrologic Region							
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		242	281	-39
			Dry and Critical		252	303	-52
CVP Ag	Contract Delivery (annual average)	(TAF/year)	Long Term		16	27	-11
			Dry and Critical		1	9	-8
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term		124	184	-59
			Dry and Critical		52	117	-65
Central Coast Hydrologic Region							
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		27	40	-13
			Dry and Critical		8	25	-17
Tulare Lake Hydrologic Region (not including Friant-Kern Canal water users)							
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term		9	12	-3
			Dry and Critical		5	11	-6
CVP Ag	Contract Delivery (annual average - includes Cross Valley Canal)	(TAF/year)	Long Term		304	468	-163
			Dry and Critical		11	147	-136
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		55	77	-23
			Dry and Critical		18	48	-30
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		449	603	-154
			Dry and Critical		126	366	-240
South Lahontan Hydrologic Region							
SWP M&I	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		136	243	-107
			Dry and Critical		38	163	-125
South Coast Hydrologic Region							
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term		662	1,233	-572
			Dry and Critical		208	810	-602
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		5	8	-2
			Dry and Critical		1	5	-3
Total For All Regions							
Total Supplies	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term		6,446	7,819	-1,373
			Dry and Critical		4,450	6,089	-1,639

Notes:

1. Long Term is the average quantity for the period of Oct 1921 - Sep 2003.
2. Dry and Critical Years Average is the average quantity for the combination of the SWRCB D-1641 40-30-30 Dry and Critical years for the period of Oct 1921 - Sep 2003.
3. "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-13-24-2. CALSIM II Summary Reporting Metrics, Long-Term Average and Dry and Critical Year Averages

					Alternative 8 (LLT)	No Action Alternative (LLT)	Alternative 8 (LLT) minus No Action Alternative (LLT)
Water Supply Reliability							
North of Delta							
CVP Ag	Contract Delivery (annual average; does not include Exchange contractors)	(TAF/year)	Long Term		132	161	-29
			Dry and Critical		21	44	-23
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		373	381	-9
			Dry and Critical		368	380	-12
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		0	0	0
			Dry and Critical		0	0	0
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term		47	76	-28
			Dry and Critical		23	49	-27
Total CVP North of Delta							
Total CVP Ag and M&I SOD	Contract Delivery (CVP) (annual average)	(TAF/year)	Long Term		505	542	-38
			Dry and Critical		389	424	-35
Total SWP North of Delta							
Total SWP Ag and M&I SOD	Contract Delivery (SWP) (annual average)	(TAF/year)	Long Term		47	76	-28
			Dry and Critical		23	49	-27
Total North of Delta							
Total North of Delta Ag and M&I Deliveries	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term		552	618	-66
			Dry and Critical		412	473	-61
South of Delta							
CVP Ag	Contract Delivery (annual average; does not include Exchange contractors)	(TAF/year)	Long Term		486	727	-241
			Dry and Critical		22	228	-206
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		61	105	-44
			Dry and Critical		25	83	-59
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		457	614	-157
			Dry and Critical		128	372	-244
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term		973	1,723	-750
			Dry and Critical		308	1,126	-818
Total CVP South of Delta							
Total CVP Ag and M&I SOD	Contract Delivery (CVP) (annual average)	(TAF/year)	Long Term		547	832	-285
			Dry and Critical		47	312	-265
Total SWP South of Delta							
Total SWP Ag and M&I SOD	Contract Delivery (SWP) (annual average)	(TAF/year)	Long Term		1,430	2,337	-907
			Dry and Critical		436	1,499	-1,063
Total South of Delta							
Total South of Delta Ag and M&I Deliveries	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term		1,977	3,169	-1,192
			Dry and Critical		483	1,810	-1,327

Notes:

1. Long Term is the average quantity for the period of Oct 1921 - Sep 2003.
2. Dry and Critical Years Average is the average quantity for the combination of the SWRCB D-1641 40-30-30 Dry and Critical years for the period of Oct 1921 - Sep 2003.
3. "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-13-25-1. CALSIM II Summary Reporting Metrics, Long-Term Average and Dry and Critical Year Averages

					Alternative 9 (LLT)	No Action Alternative (LLT)	Alternative 9 (LLT) minus No Action Alternative (LLT)
Water Supply Reliability							
Sacramento River Hydrologic Region							
CVP Settlement	Contract Delivery (annual average)	(TAF/year)	Long Term		1,833	1,834	-1
			Dry and Critical		1,769	1,770	-2
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term		149	147	2
			Dry and Critical		127	127	0
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		188	192	-3
			Dry and Critical		149	149	0
CVP Ag	Contract Delivery (annual average - does not include Settlement contractors)	(TAF/year)	Long Term		141	161	-20
			Dry and Critical		35	44	-9
SWP FRSA	Contract Delivery (annual average)	(TAF/year)	Long Term		930	929	1
			Dry and Critical		847	845	3
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		22	21	1
			Dry and Critical		11	13	-2
San Joaquin River Hydrologic Region (not including Friant-Kern and Madera Canal water users)							
CVP Exchange	Contract Delivery (annual average)	(TAF/year)	Long Term		852	852	0
			Dry and Critical		814	814	0
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term		259	257	2
			Dry and Critical		243	238	5
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		14	14	0
			Dry and Critical		11	11	0
CVP Ag	Contract Delivery (annual average; does not include Exchange contractors)	(TAF/year)	Long Term		224	232	-8
			Dry and Critical		58	73	-14
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		3	3	0
			Dry and Critical		2	2	0
San Francisco Bay Hydrologic Region							
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		279	281	-1
			Dry and Critical		302	303	-1
CVP Ag	Contract Delivery (annual average)	(TAF/year)	Long Term		27	27	-1
			Dry and Critical		7	9	-2
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term		193	184	9
			Dry and Critical		104	117	-13
Central Coast Hydrologic Region							
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		43	40	2
			Dry and Critical		22	25	-3
Tulare Lake Hydrologic Region (not including Friant-Kern Canal water users)							
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term		12	12	0
			Dry and Critical		11	11	0
CVP Ag	Contract Delivery (annual average - includes Cross Valley Canal)	(TAF/year)	Long Term		454	468	-14
			Dry and Critical		120	147	-27
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		82	77	5
			Dry and Critical		42	48	-6
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		629	603	26
			Dry and Critical		322	366	-44
South Lahontan Hydrologic Region							
SWP M&I	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		245	243	1
			Dry and Critical		144	163	-19
South Coast Hydrologic Region							
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term		1,158	1,233	-76
			Dry and Critical		727	810	-82
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		8	8	0
			Dry and Critical		4	5	-1
Total For All Regions							
Total Supplies	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term		7,745	7,819	-74
			Dry and Critical		5,872	6,089	-217

Notes:

1. Long Term is the average quantity for the period of Oct 1921 - Sep 2003.
2. Dry and Critical Years Average is the average quantity for the combination of the SWRCB D-1641 40-30-30 Dry and Critical years for the period of Oct 1921 - Sep 2003.
3. "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-13-25-2. CALSIM II Summary Reporting Metrics, Long-Term Average and Dry and Critical Year Averages

					Alternative 9 (LLT)	No Action Alternative (LLT)	Alternative 9 (LLT) minus No Action Alternative (LLT)
Water Supply Reliability							
North of Delta							
CVP Ag	Contract Delivery (annual average; does not include Exchange contractors)	(TAF/year)	Long Term		141	161	-20
			Dry and Critical		35	44	-9
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		376	381	-5
			Dry and Critical		379	380	-2
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		0	0	0
			Dry and Critical		0	0	0
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term		80	76	4
			Dry and Critical		45	49	-5
Total CVP North of Delta							
Total CVP Ag and M&I SOD	Contract Delivery (CVP) (annual average)	(TAF/year)	Long Term		517	542	-25
			Dry and Critical		414	424	-10
Total SWP North of Delta							
Total SWP Ag and M&I SOD	Contract Delivery (SWP) (annual average)	(TAF/year)	Long Term		80	76	4
			Dry and Critical		45	49	-5
Total North of Delta							
Total North of Delta Ag and M&I Deliveries	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term		597	618	-21
			Dry and Critical		458	473	-15
South of Delta							
CVP Ag	Contract Delivery (annual average; does not include Exchange contractors)	(TAF/year)	Long Term		705	727	-22
			Dry and Critical		186	228	-43
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term		105	105	1
			Dry and Critical		84	83	0
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term		640	614	26
			Dry and Critical		327	372	-45
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term		1,662	1,723	-61
			Dry and Critical		1,006	1,126	-120
Total CVP South of Delta							
Total CVP Ag and M&I SOD	Contract Delivery (CVP) (annual average)	(TAF/year)	Long Term		810	832	-22
			Dry and Critical		269	312	-43
Total SWP South of Delta							
Total SWP Ag and M&I SOD	Contract Delivery (SWP) (annual average)	(TAF/year)	Long Term		2,302	2,337	-35
			Dry and Critical		1,333	1,499	-165
Total South of Delta							
Total South of Delta Ag and M&I Deliveries	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term		3,112	3,169	-57
			Dry and Critical		1,603	1,810	-208

Notes:

1. Long Term is the average quantity for the period of Oct 1921 - Sep 2003.
2. Dry and Critical Years Average is the average quantity for the combination of the SWRCB D-1641 40-30-30 Dry and Critical years for the period of Oct 1921 - Sep 2003.
3. "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-13-26. CALSIM II SWP Table A and Article 21 Deliveries, Long-Term Averages

	SWP Deliveries		Difference from Existing Condition		Difference from No Action Alternative (LLT)	
	SWP Table A Delivery (w Art 56)	SWP Article 21 Delivery	SWP Table A Delivery (w Art 56)	SWP Article 21 Delivery	SWP Table A Delivery (w Art 56)	SWP Article 21 Delivery
	(TAF)	(TAF)	(TAF)	(TAF)	(TAF)	(TAF)
Existing Condition	2,629	158				
No Action Alternative (LLT)	2,365	47	-264	-111		
Alternative 1A,1B,1C (LLT)	2,931	248	302	89	566	200
Alternative 2A,2B,2C (LLT)	2,764	157	135	-2	399	110
Alternative 3 (LLT)	2,885	210	256	51	519	162
Alternative 4 H1 (LLT)	2,855	138	226	-20	489	91
Alternative 4 H2 (LLT)	2,351	139	-277	-20	-14	91
Alternative 4 H3 (LLT)	2,704	107	75	-51	339	60
Alternative 4 H4 (LLT)	2,191	126	-438	-33	-175	78
Alternative 5 (LLT)	2,587	79	-41	-80	222	31
Alternative 6A,6B,6C (LLT)	1,887	81	-742	-77	-478	34
Alternative 7 (LLT)	1,951	35	-677	-123	-414	-12
Alternative 8 (LLT)	1,430	48	-1,199	-111	-935	0
Alternative 9 (LLT)	2,349	33	-280	-125	-17	-14

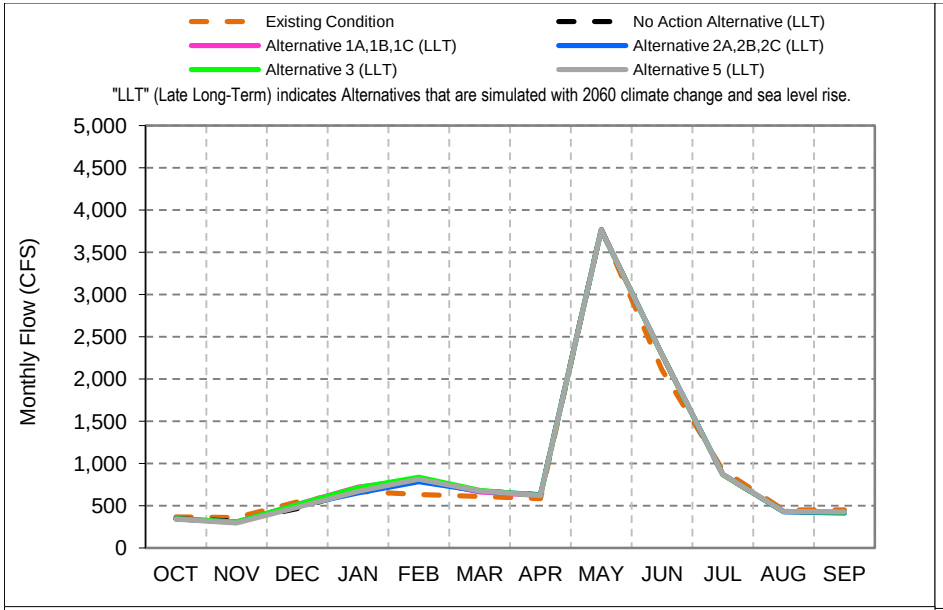
Note:
1. Long Term is the average quantity for the period of Oct 1921 - Sep 2003.
2. "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.
3. Alternative 4 Scenario Definitions:
   H1 - Low Delta Outflow Scenario
   H2 - Enhanced Spring Delta Outflow Scenario
   H3 - Fall X2 Scenario
   H4 - High Delta Outflow Scenario

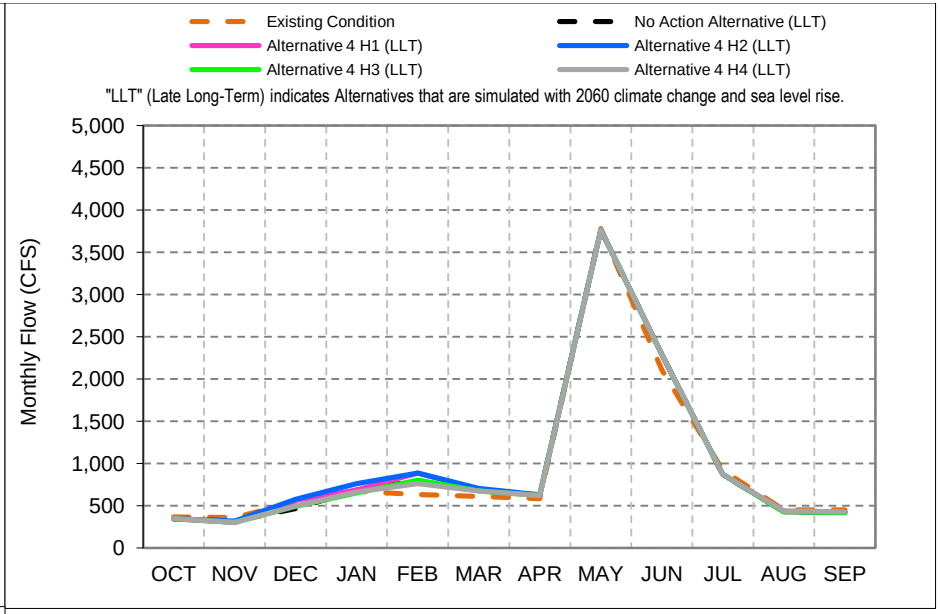
Table C-13-27. CALSIM II SWP South of Delta Table A and Article 21 Deliveries, Long-Term Averages

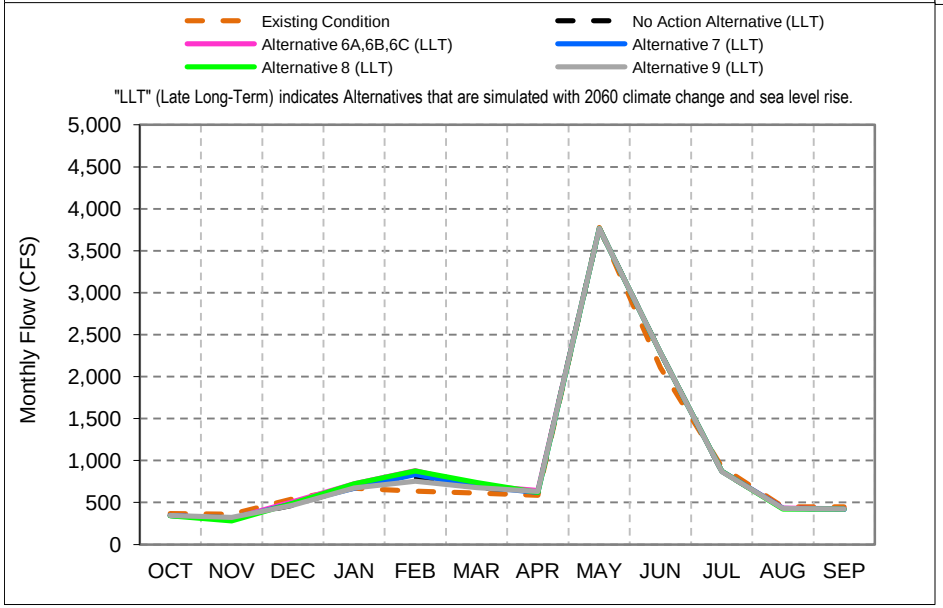
	SWP Deliveries		Difference from Existing Condition		Difference from No Action Alternative (LLT)	
	SWP SOD Table A Delivery (w Art 56)	SWP Article 21 Delivery	SWP SOD Table A Delivery (w Art 56)	SWP Article 21 Delivery	SWP SOD Table A Delivery (w Art 56)	SWP Article 21 Delivery
	(TAF)	(TAF)	(TAF)	(TAF)	(TAF)	(TAF)
Existing Condition	2,576	158				
No Action Alternative (LLT)	2,301	47	-275	-111		
Alternative 1A,1B,1C (LLT)	2,851	248	275	89	550	200
Alternative 2A,2B,2C (LLT)	2,687	157	111	-2	386	110
Alternative 3 (LLT)	2,806	210	230	51	505	162
Alternative 4 H1 (LLT)	2,776	138	201	-20	475	91
Alternative 4 H2 (LLT)	2,287	139	-288	-20	-14	91
Alternative 4 H3 (LLT)	2,629	107	53	-51	328	60
Alternative 4 H4 (LLT)	2,130	126	-446	-33	-171	78
Alternative 5 (LLT)	2,516	79	-59	-80	215	31
Alternative 6A,6B,6C (LLT)	1,833	81	-743	-77	-468	34
Alternative 7 (LLT)	1,895	35	-681	-123	-406	-12
Alternative 8 (LLT)	1,391	48	-1,185	-111	-910	0
Alternative 9 (LLT)	2,281	33	-295	-125	-20	-14

Note:
1. Long Term is the average quantity for the period of Oct 1921 - Sep 2003.
2. "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.
3. Alternative 4 Scenario Definitions:
   H1 - Low Delta Outflow Scenario
   H2 - Enhanced Spring Delta Outflow Scenario
   H3 - Fall X2 Scenario
   H4 - High Delta Outflow Scenario

C.14. Trinity River Flow below Lewiston



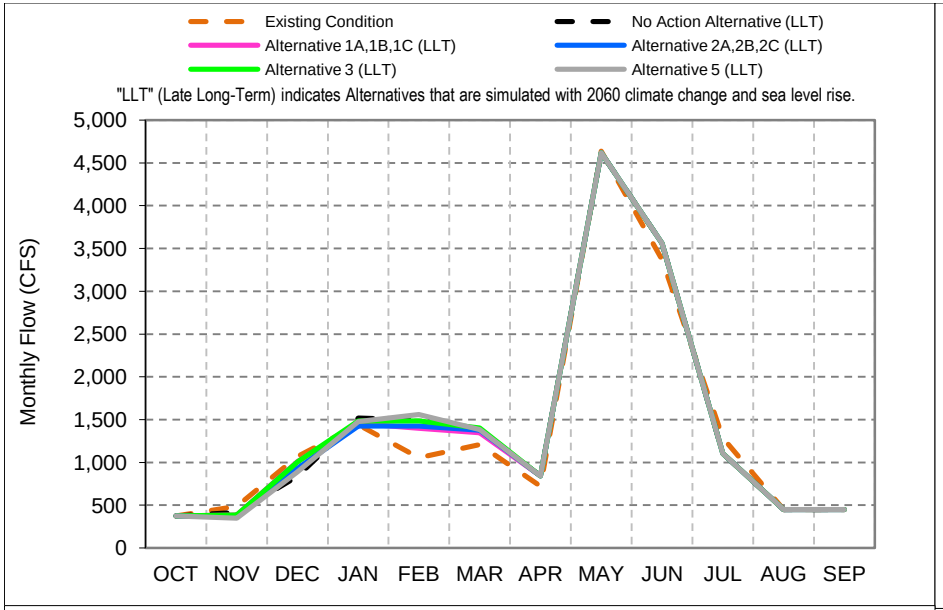


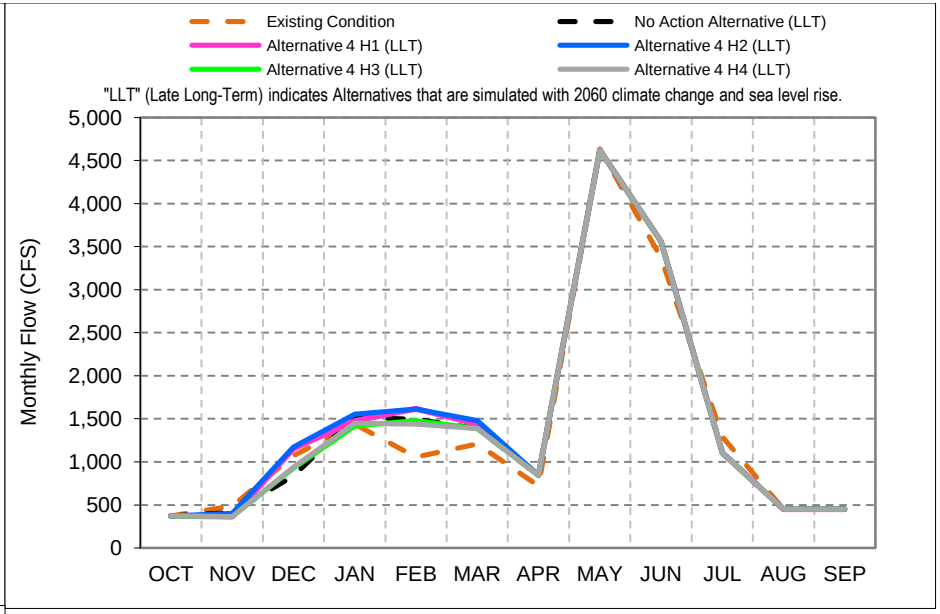


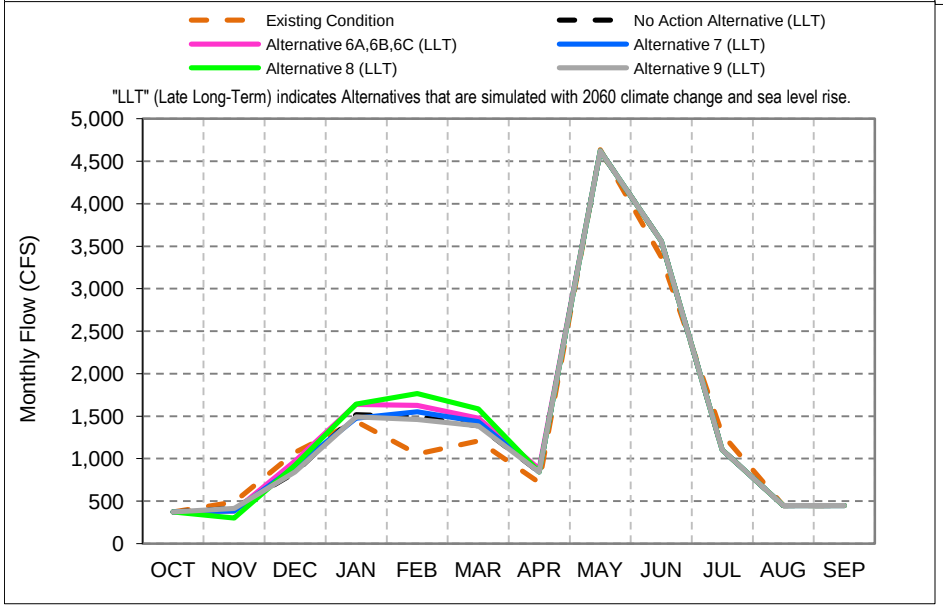
Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-14-1. Trinity River below Lewiston Reservoir, Long-Term Average Flow





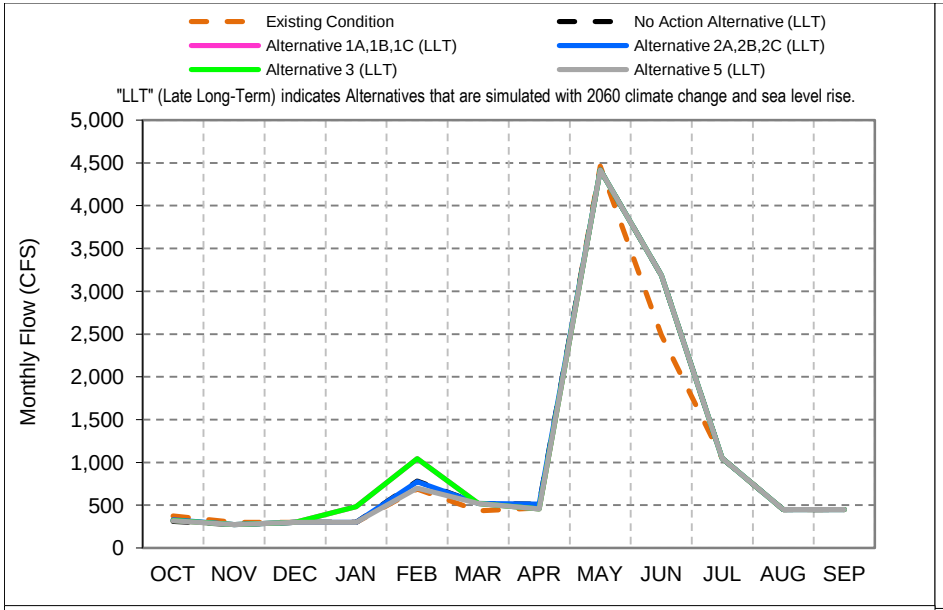


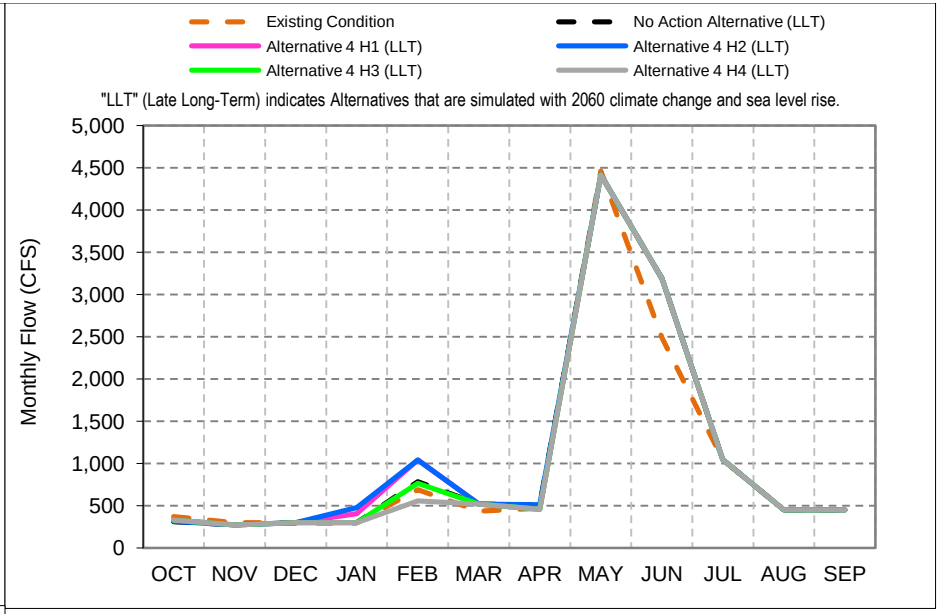
Alternative 4 Scenario Definitions:

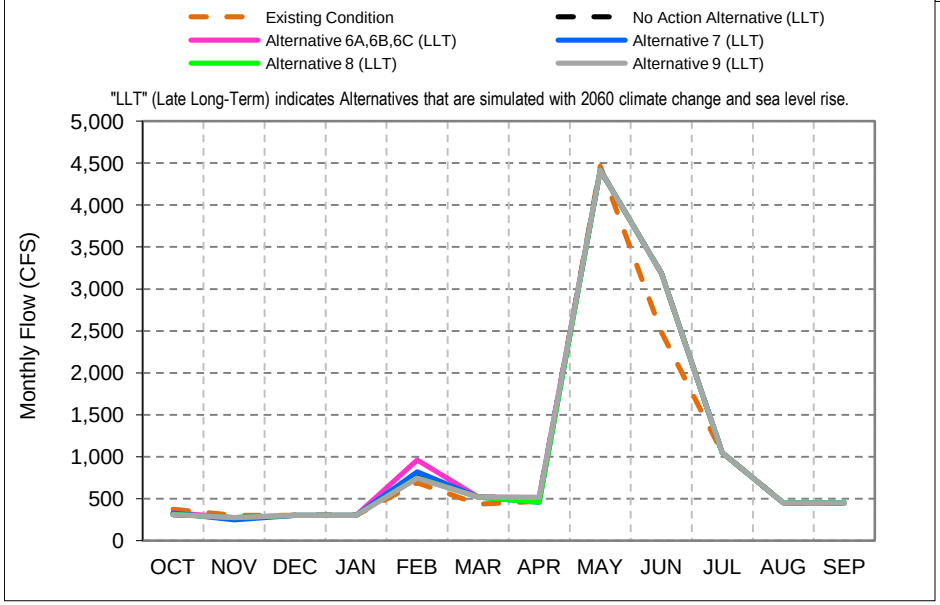
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-14-2. Trinity River below Lewiston Reservoir, Wet Year* Average Flow





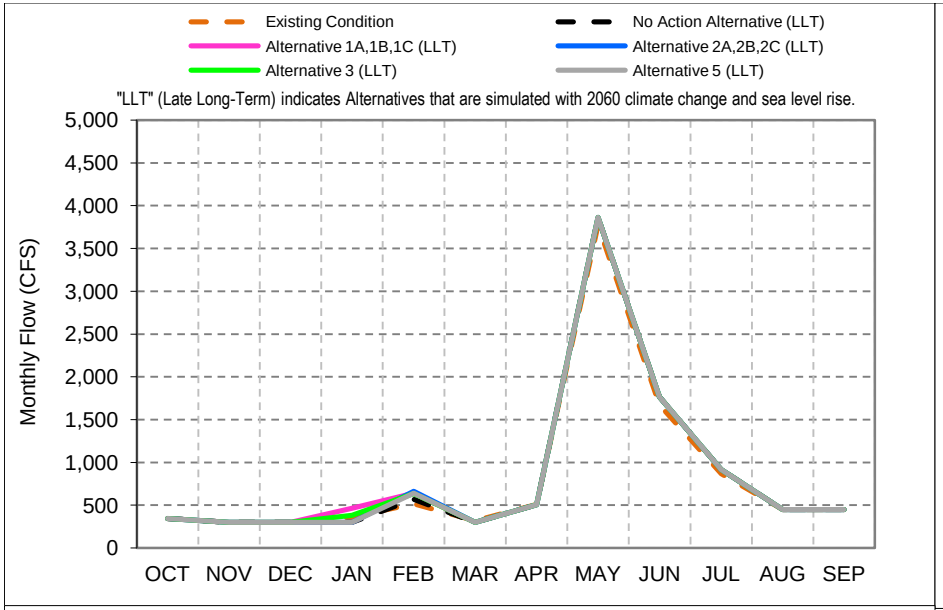


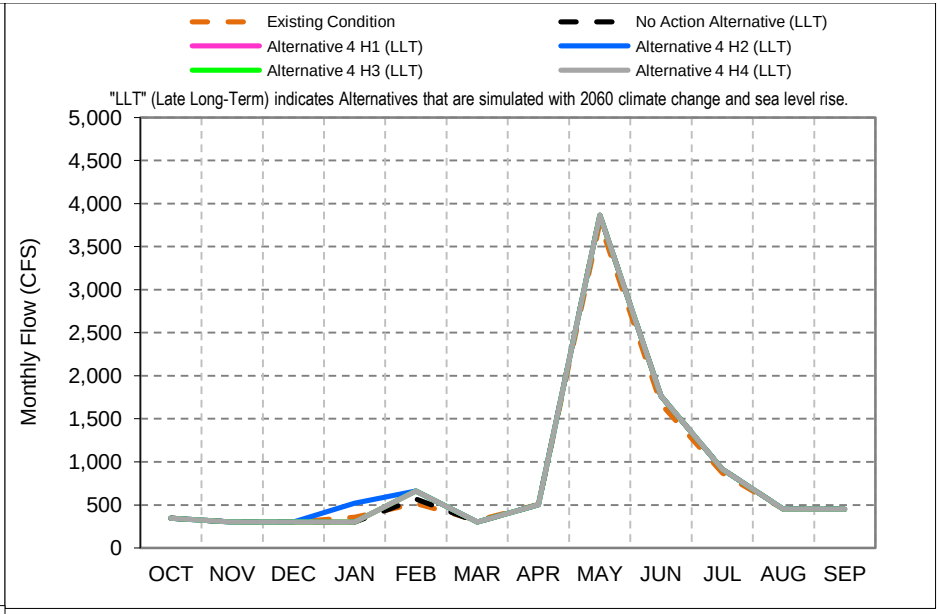
Alternative 4 Scenario Definitions:

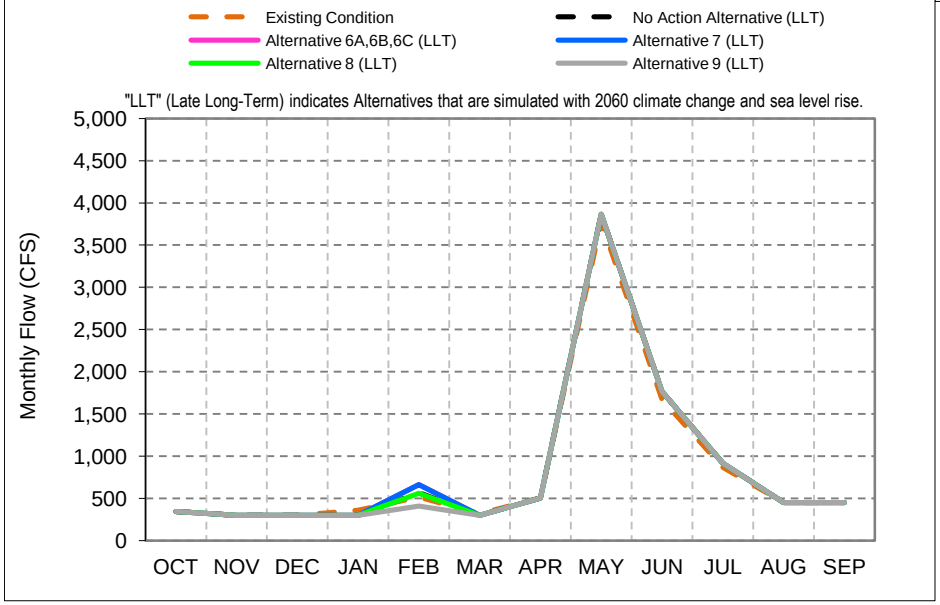
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-14-3. Trinity River below Lewiston Reservoir, Above Normal Year* Average Flow





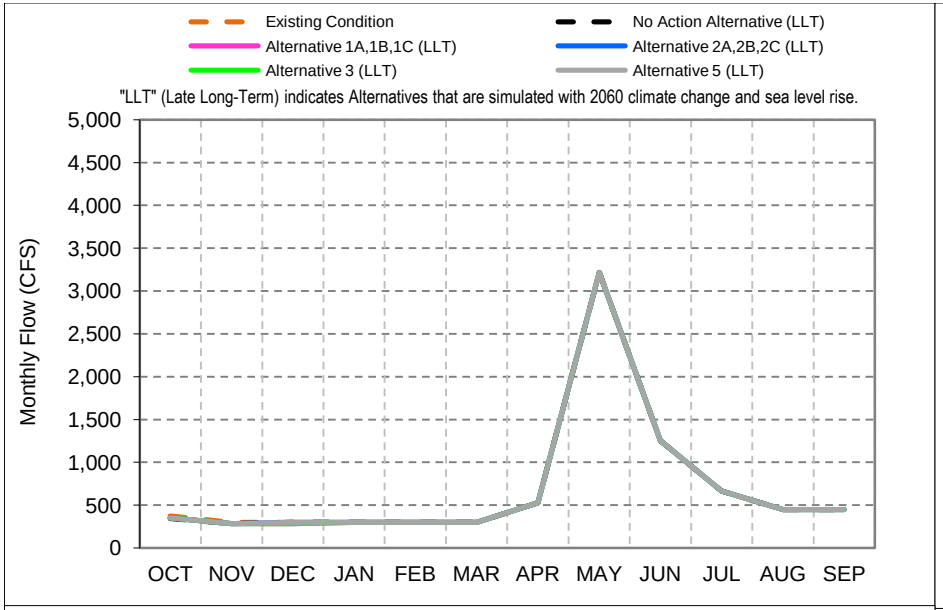


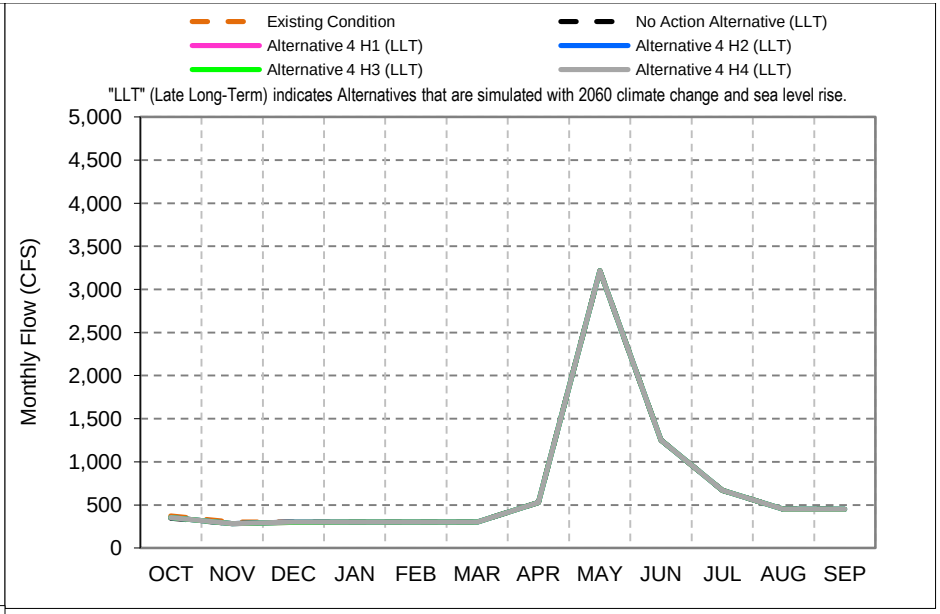
Alternative 4 Scenario Definitions:

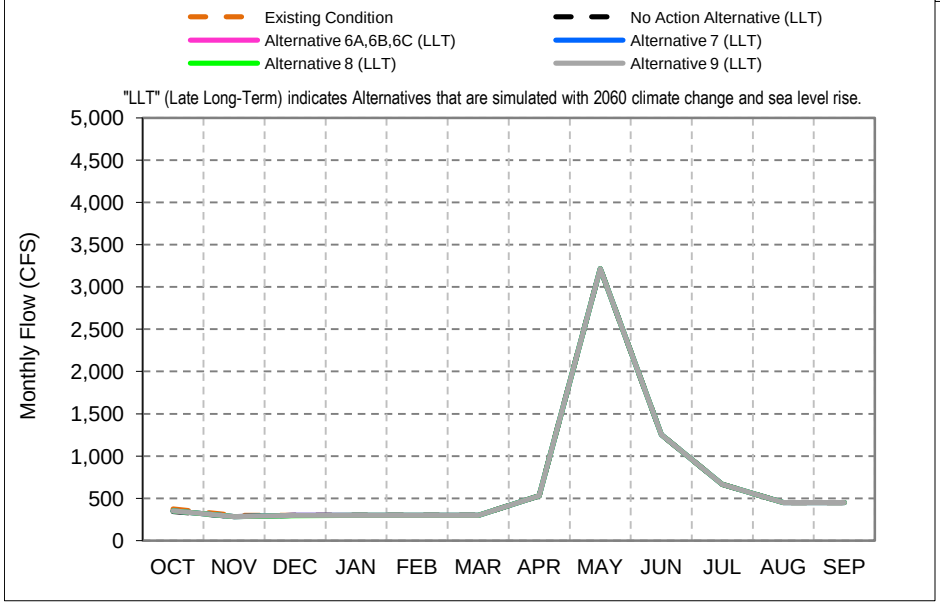
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-14-4. Trinity River below Lewiston Reservoir, Below Normal Year* Average Flow





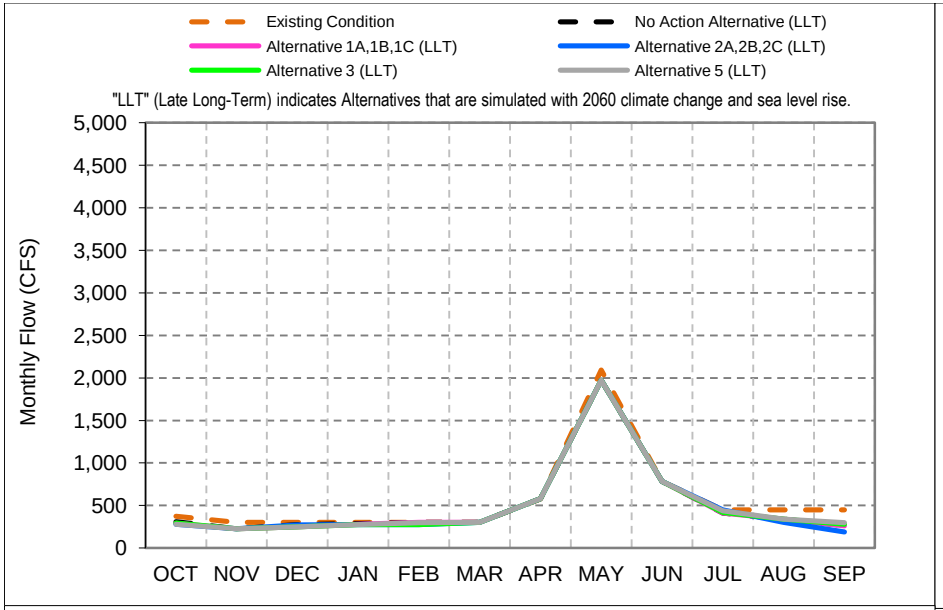


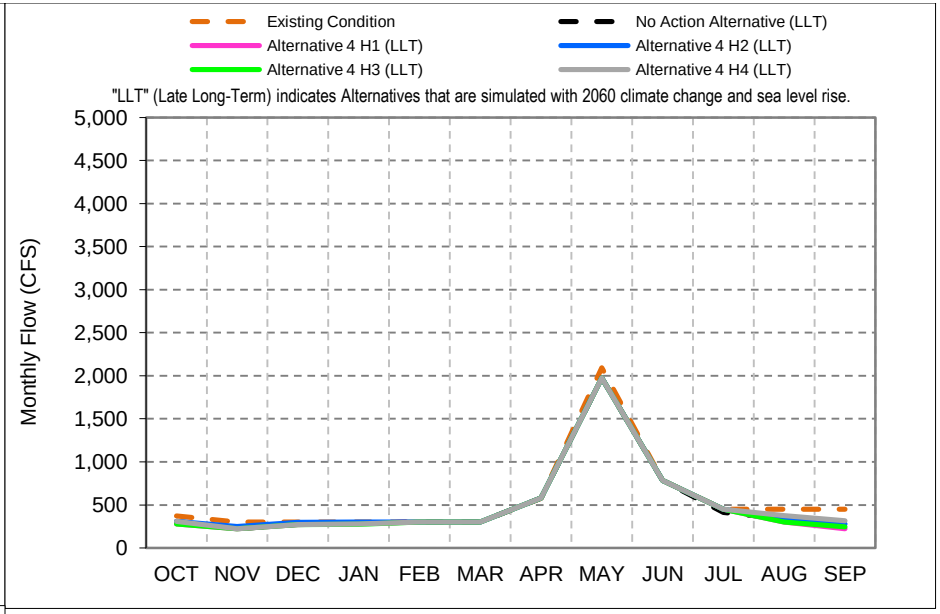
Alternative 4 Scenario Definitions:

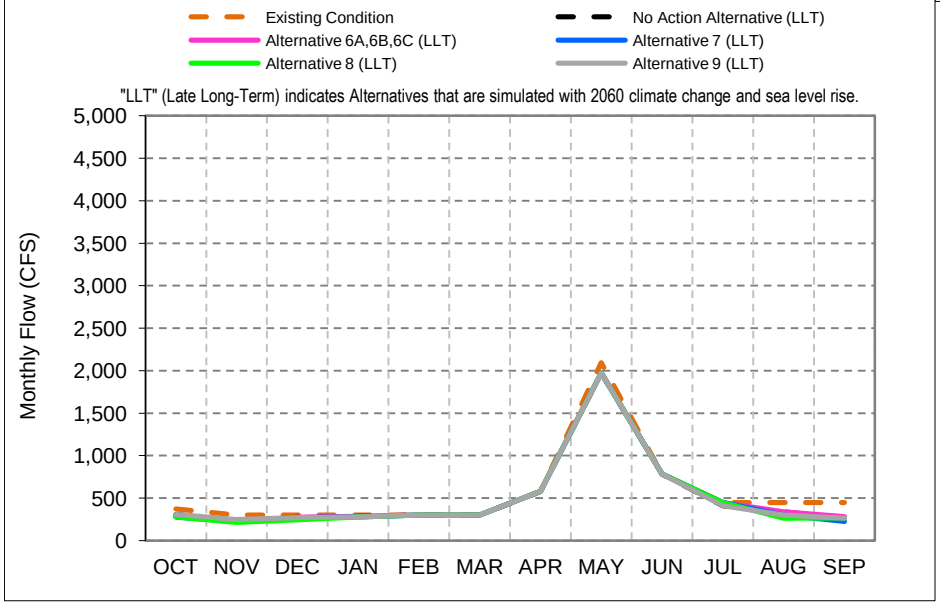
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-14-5. Trinity River below Lewiston Reservoir, Dry Year* Average Flow







Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-14-6. Trinity River below Lewiston Reservoir, Critical Year* Average Flow

Table C-14-1. Trinity River below Lewiston Reservoir, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	373	300	300	1,102	1,169	1,080	600	4,709	4,626	1,102	450	450
20%	373	300	300	300	300	300	540	4,709	2,526	1,102	450	450
30%	373	300	300	300	300	300	540	4,667	2,526	1,102	450	450
40%	373	300	300	300	300	300	540	4,570	2,526	1,102	450	450
50%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
60%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
70%	373	300	300	300	300	300	460	2,924	783	450	450	450
80%	373	300	300	300	300	300	460	2,924	783	450	450	450
90%	373	300	300	300	300	300	460	1,641	783	450	450	450
Long Term												
Full Simulation Period[a]	368	360	545	671	634	611	584	3,779	2,108	923	450	450
Water Year Types[b]												
Wet (32%)	373	489	1,072	1,440	1,056	1,209	721	4,636	3,371	1,289	450	450
Above Normal (15%)	373	300	300	300	689	436	469	4,462	2,488	1,048	450	450
Below Normal (17%)	346	300	300	358	517	319	507	3,774	1,672	869	450	450
Dry (22%)	373	300	300	300	300	300	529	3,216	1,251	667	450	450
Critical (15%)	373	300	300	300	300	300	575	2,092	783	450	450	450

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	373	300	300	533	2,145	300	600	4,709	4,626	1,102	450	450
20%	373	300	300	300	300	300	540	4,709	4,626	1,102	450	450
30%	373	300	300	300	300	300	540	4,570	2,526	1,102	450	450
40%	373	300	300	300	300	300	540	4,570	2,526	1,102	450	450
50%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
60%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
70%	373	300	300	300	300	300	460	2,924	783	450	450	450
80%	373	300	300	300	300	300	460	2,924	783	450	450	450
90%	373	300	300	300	300	300	427	1,498	783	450	450	450
Long Term												
Full Simulation Period[a]	344	318	466	684	795	676	630	3,766	2,286	866	434	423
Water Year Types[b]												
Wet (32%)	373	414	837	1,518	1,495	1,385	844	4,620	3,560	1,103	450	450
Above Normal (15%)	311	275	300	300	784	519	513	4,416	3,188	1,048	450	450
Below Normal (17%)	346	300	300	300	568	300	504	3,865	1,767	916	450	450
Dry (22%)	346	283	300	300	300	300	529	3,216	1,251	667	450	450
Critical (15%)	311	225	275	287	300	300	580	1,973	783	413	338	265

No Action Alternative (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	0	-569	976	-780	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	2,100	0	0	0
30%	0	0	0	0	0	0	0	-97	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	-33	-143	0	0	0	0
Long Term												
Full Simulation Period[a]	-24	-42	-78	13	162	65	45	-14	179	-56	-16	-27
Water Year Types[b]												
Wet (32%)	0	-75	-235	79	439	176	122	-16	189	-185	0	0
Above Normal (15%)	-62	-25	0	0	95	83	43	-46	700	0	0	0
Below Normal (17%)	0	0	0	-58	51	-19	-3	90	96	47	0	0
Dry (22%)	-27	-17	0	0	0	0	0	0	0	0	0	0
Critical (15%)	-62	-75	-25	-13	0	0	5	-119	0	-37	-113	-185

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-14-2. Trinity River below Lewiston Reservoir, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	373	300	300	1,102	1,169	1,080	600	4,709	4,626	1,102	450	450
20%	373	300	300	300	300	300	540	4,709	2,526	1,102	450	450
30%	373	300	300	300	300	300	540	4,667	2,526	1,102	450	450
40%	373	300	300	300	300	300	540	4,570	2,526	1,102	450	450
50%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
60%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
70%	373	300	300	300	300	300	460	2,924	783	450	450	450
80%	373	300	300	300	300	300	460	2,924	783	450	450	450
90%	373	300	300	300	300	300	460	1,641	783	450	450	450
Long Term												
Full Simulation Period[a]	368	360	545	671	634	611	584	3,779	2,108	923	450	450
Water Year Types[b]												
Wet (32%)	373	489	1,072	1,440	1,056	1,209	721	4,636	3,371	1,289	450	450
Above Normal (15%)	373	300	300	300	689	436	469	4,462	2,488	1,048	450	450
Below Normal (17%)	346	300	300	358	517	319	507	3,774	1,672	869	450	450
Dry (22%)	373	300	300	300	300	300	529	3,216	1,251	667	450	450
Critical (15%)	373	300	300	300	300	300	575	2,092	783	450	450	450

Alternative 1A,1B,1C (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	373	300	300	568	3,313	300	600	4,709	4,626	1,102	450	450
20%	373	300	300	300	300	300	540	4,709	4,626	1,102	450	450
30%	373	300	300	300	300	300	540	4,570	2,526	1,102	450	450
40%	373	300	300	300	300	300	521	4,570	2,526	1,102	450	450
50%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
60%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
70%	373	300	300	300	300	300	460	2,924	783	450	450	450
80%	373	300	300	300	300	300	460	2,924	783	450	450	450
90%	373	300	300	300	300	300	427	1,498	783	450	450	450
Long Term												
Full Simulation Period[a]	344	309	514	718	816	664	622	3,766	2,286	866	434	422
Water Year Types[b]												
Wet (32%)	373	385	1,011	1,457	1,400	1,347	844	4,620	3,560	1,103	450	450
Above Normal (15%)	323	275	300	483	1,043	519	458	4,416	3,188	1,048	450	450
Below Normal (17%)	346	300	300	464	641	300	504	3,865	1,767	916	450	450
Dry (22%)	352	283	283	300	300	300	529	3,216	1,251	667	450	450
Critical (15%)	290	225	250	278	300	300	580	1,973	783	413	337	259

Alternative 1A,1B,1C (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	0	-534	2,145	-780	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	2,100	0	0	0
30%	0	0	0	0	0	0	0	-97	0	0	0	0
40%	0	0	0	0	0	0	-19	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	-33	-143	0	0	0	0
Long Term												
Full Simulation Period[a]	-24	-51	-30	47	182	53	37	-14	179	-56	-16	-28
Water Year Types[b]												
Wet (32%)	0	-104	-61	17	344	138	122	-16	189	-185	0	0
Above Normal (15%)	-50	-25	0	183	354	83	-11	-46	700	0	0	0
Below Normal (17%)	0	0	0	105	125	-19	-3	90	96	47	0	0
Dry (22%)	-21	-17	-17	0	0	0	0	0	0	0	0	0
Critical (15%)	-83	-75	-50	-22	0	0	5	-119	0	-38	-113	-191

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-14-3. Trinity River below Lewiston Reservoir, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	373	300	300	1,102	1,169	1,080	600	4,709	4,626	1,102	450	450
20%	373	300	300	300	300	300	540	4,709	2,526	1,102	450	450
30%	373	300	300	300	300	300	540	4,667	2,526	1,102	450	450
40%	373	300	300	300	300	300	540	4,570	2,526	1,102	450	450
50%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
60%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
70%	373	300	300	300	300	300	460	2,924	783	450	450	450
80%	373	300	300	300	300	300	460	2,924	783	450	450	450
90%	373	300	300	300	300	300	460	1,641	783	450	450	450
Long Term												
Full Simulation Period[a]	368	360	545	671	634	611	584	3,779	2,108	923	450	450
Water Year Types[b]												
Wet (32%)	373	489	1,072	1,440	1,056	1,209	721	4,636	3,371	1,289	450	450
Above Normal (15%)	373	300	300	300	689	436	469	4,462	2,488	1,048	450	450
Below Normal (17%)	346	300	300	358	517	319	507	3,774	1,672	869	450	450
Dry (22%)	373	300	300	300	300	300	529	3,216	1,251	667	450	450
Critical (15%)	373	300	300	300	300	300	575	2,092	783	450	450	450

Alternative 2A,2B,2C (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	373	300	300	300	2,152	300	600	4,709	4,626	1,102	450	450
20%	373	300	300	300	300	300	540	4,709	4,626	1,102	450	450
30%	373	300	300	300	300	300	540	4,570	2,526	1,102	450	450
40%	373	300	300	300	300	300	540	4,570	2,526	1,102	450	450
50%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
60%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
70%	373	300	300	300	300	300	460	2,924	783	450	450	450
80%	373	300	300	300	300	300	460	2,924	783	450	450	450
90%	373	300	300	300	300	300	427	1,498	783	450	450	450
Long Term												
Full Simulation Period[a]	344	302	497	653	784	673	629	3,766	2,286	872	428	412
Water Year Types[b]												
Wet (32%)	373	365	933	1,425	1,426	1,376	844	4,620	3,560	1,103	450	450
Above Normal (15%)	332	275	300	300	773	519	511	4,416	3,188	1,048	450	450
Below Normal (17%)	346	300	300	300	662	300	504	3,865	1,767	916	450	450
Dry (22%)	352	283	300	300	300	300	529	3,216	1,251	667	450	450
Critical (15%)	280	225	272	275	275	300	580	1,973	783	450	300	188

Alternative 2A,2B,2C (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	0	**-802**	983	**-780**	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	2,100	0	0	0
30%	0	0	0	0	0	0	0	**-97**	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	**-33**	**-143**	0	0	0	0
Long Term												
Full Simulation Period[a]	**-24**	**-57**	**-48**	**-18**	151	62	45	**-14**	179	**-51**	**-22**	**-38**
Water Year Types[b]												
Wet (32%)	0	**-123**	**-139**	**-14**	369	167	122	**-16**	189	**-185**	0	0
Above Normal (15%)	**-41**	**-25**	0	0	84	83	42	**-46**	700	0	0	0
Below Normal (17%)	0	0	0	**-58**	145	**-19**	**-3**	90	96	47	0	0
Dry (22%)	**-21**	**-17**	0	0	0	0	0	0	0	0	0	0
Critical (15%)	**-93**	**-75**	**-28**	**-25**	**-25**	0	5	**-119**	0	0	**-150**	**-262**

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-14-4. Trinity River below Lewiston Reservoir, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	373	300	300	1,102	1,169	1,080	600	4,709	4,626	1,102	450	450
20%	373	300	300	300	300	300	540	4,709	2,526	1,102	450	450
30%	373	300	300	300	300	300	540	4,667	2,526	1,102	450	450
40%	373	300	300	300	300	300	540	4,570	2,526	1,102	450	450
50%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
60%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
70%	373	300	300	300	300	300	460	2,924	783	450	450	450
80%	373	300	300	300	300	300	460	2,924	783	450	450	450
90%	373	300	300	300	300	300	460	1,641	783	450	450	450
Long Term												
Full Simulation Period[a]	368	360	545	671	634	611	584	3,779	2,108	923	450	450
Water Year Types[b]												
Wet (32%)	373	489	1,072	1,440	1,056	1,209	721	4,636	3,371	1,289	450	450
Above Normal (15%)	373	300	300	300	689	436	469	4,462	2,488	1,048	450	450
Below Normal (17%)	346	300	300	358	517	319	507	3,774	1,672	869	450	450
Dry (22%)	373	300	300	300	300	300	529	3,216	1,251	667	450	450
Critical (15%)	373	300	300	300	300	300	575	2,092	783	450	450	450

Alternative 3 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	373	300	300	1,009	3,362	1,298	600	4,709	4,626	1,102	450	450
20%	373	300	300	300	300	300	540	4,709	4,626	1,102	450	450
30%	373	300	300	300	300	300	540	4,570	2,526	1,102	450	450
40%	373	300	300	300	300	300	521	4,570	2,526	1,102	450	450
50%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
60%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
70%	373	300	300	300	300	300	460	2,924	783	450	450	450
80%	373	300	300	300	300	300	460	2,924	783	450	450	450
90%	373	300	300	300	300	300	427	1,498	783	450	450	450
Long Term												
Full Simulation Period[a]	345	309	513	713	839	681	622	3,766	2,286	867	434	425
Water Year Types[b]												
Wet (32%)	373	385	1,006	1,484	1,486	1,402	844	4,620	3,560	1,103	450	450
Above Normal (15%)	323	275	300	483	1,043	519	458	4,416	3,188	1,048	450	450
Below Normal (17%)	346	300	300	383	636	300	504	3,865	1,767	916	450	450
Dry (22%)	352	283	283	300	300	300	529	3,216	1,251	667	450	450
Critical (15%)	293	225	250	275	275	300	580	1,973	783	417	338	278

Alternative 3 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	0	-94	2,193	218	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	2,100	0	0	0
30%	0	0	0	0	0	0	0	-97	0	0	0	0
40%	0	0	0	0	0	0	-19	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	-33	-143	0	0	0	0
Long Term												
Full Simulation Period[a]	-24	-51	-32	41	205	70	37	-14	179	-56	-16	-25
Water Year Types[b]												
Wet (32%)	0	-104	-66	44	430	193	122	-16	189	-185	0	0
Above Normal (15%)	-50	-25	0	183	354	83	-11	-46	700	0	0	0
Below Normal (17%)	0	0	0	24	120	-19	-3	90	96	47	0	0
Dry (22%)	-21	-17	-17	0	0	0	0	0	0	0	0	0
Critical (15%)	-80	-75	-50	-25	-25	0	5	-119	0	-33	-112	-172

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-14-5. Trinity River below Lewiston Reservoir, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	373	300	300	1,102	1,169	1,080	600	4,709	4,626	1,102	450	450
20%	373	300	300	300	300	300	540	4,709	2,526	1,102	450	450
30%	373	300	300	300	300	300	540	4,667	2,526	1,102	450	450
40%	373	300	300	300	300	300	540	4,570	2,526	1,102	450	450
50%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
60%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
70%	373	300	300	300	300	300	460	2,924	783	450	450	450
80%	373	300	300	300	300	300	460	2,924	783	450	450	450
90%	373	300	300	300	300	300	460	1,641	783	450	450	450
Long Term												
Full Simulation Period[a]	368	360	545	671	634	611	584	3,779	2,108	923	450	450
Water Year Types[b]												
Wet (32%)	373	489	1,072	1,440	1,056	1,209	721	4,636	3,371	1,289	450	450
Above Normal (15%)	373	300	300	300	689	436	469	4,462	2,488	1,048	450	450
Below Normal (17%)	346	300	300	358	517	319	507	3,774	1,672	869	450	450
Dry (22%)	373	300	300	300	300	300	529	3,216	1,251	667	450	450
Critical (15%)	373	300	300	300	300	300	575	2,092	783	450	450	450

Alternative 4 H1 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	373	300	300	300	3,562	372	600	4,709	4,626	1,102	450	450
20%	373	300	300	300	300	300	540	4,709	4,626	1,102	450	450
30%	373	300	300	300	300	300	540	4,570	2,526	1,102	450	450
40%	373	300	300	300	300	300	521	4,570	2,526	1,102	450	450
50%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
60%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
70%	373	300	300	300	300	300	460	2,924	783	450	450	450
80%	373	300	300	300	300	300	460	2,924	783	450	450	450
90%	373	300	300	300	300	300	427	1,498	783	450	450	450
Long Term												
Full Simulation Period[a]	344	302	566	686	888	693	622	3,766	2,286	872	428	417
Water Year Types[b]												
Wet (32%)	373	365	1,151	1,474	1,617	1,438	844	4,620	3,560	1,103	450	450
Above Normal (15%)	332	275	300	405	1,043	519	458	4,416	3,188	1,048	450	450
Below Normal (17%)	346	300	300	300	662	300	504	3,865	1,767	916	450	450
Dry (22%)	352	283	299	300	300	300	529	3,216	1,251	667	450	450
Critical (15%)	280	225	272	287	300	300	580	1,973	783	450	300	225

Alternative 4 H1 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	0	-802	2,393	-707	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	2,100	0	0	0
30%	0	0	0	0	0	0	0	-97	0	0	0	0
40%	0	0	0	0	0	0	-19	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	-33	-143	0	0	0	0
Long Term												
Full Simulation Period[a]	-24	-57	21	14	254	82	37	-14	179	-51	-22	-33
Water Year Types[b]												
Wet (32%)	0	-123	80	34	561	229	122	-16	189	-185	0	0
Above Normal (15%)	-41	-25	0	105	354	83	-11	-46	700	0	0	0
Below Normal (17%)	0	0	0	-58	145	-19	-3	90	96	47	0	0
Dry (22%)	-21	-17	-1	0	0	0	0	0	0	0	0	0
Critical (15%)	-93	-75	-28	-13	0	0	5	-119	0	0	-150	-225

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-14-6. Trinity River below Lewiston Reservoir, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	373	300	300	1,102	1,169	1,080	600	4,709	4,626	1,102	450	450
20%	373	300	300	300	300	300	540	4,709	2,526	1,102	450	450
30%	373	300	300	300	300	300	540	4,667	2,526	1,102	450	450
40%	373	300	300	300	300	300	540	4,570	2,526	1,102	450	450
50%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
60%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
70%	373	300	300	300	300	300	460	2,924	783	450	450	450
80%	373	300	300	300	300	300	460	2,924	783	450	450	450
90%	373	300	300	300	300	300	460	1,641	783	450	450	450
Long Term												
Full Simulation Period[a]	368	360	545	671	634	611	584	3,779	2,108	923	450	450
Water Year Types[b]												
Wet (32%)	373	489	1,072	1,440	1,056	1,209	721	4,636	3,371	1,289	450	450
Above Normal (15%)	373	300	300	300	689	436	469	4,462	2,488	1,048	450	450
Below Normal (17%)	346	300	300	358	517	319	507	3,774	1,672	869	450	450
Dry (22%)	373	300	300	300	300	300	529	3,216	1,251	667	450	450
Critical (15%)	373	300	300	300	300	300	575	2,092	783	450	450	450

Alternative 4 H2 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	373	300	300	1,108	3,489	1,370	600	4,709	4,626	1,102	450	450
20%	373	300	300	300	300	300	540	4,709	4,626	1,102	450	450
30%	373	300	300	300	300	300	540	4,570	2,526	1,102	450	450
40%	373	300	300	300	300	300	540	4,570	2,526	1,102	450	450
50%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
60%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
70%	373	300	300	300	300	300	460	2,924	783	450	450	450
80%	373	300	300	300	300	300	460	2,924	783	450	450	450
90%	373	300	300	300	300	300	427	1,498	783	450	450	450
Long Term												
Full Simulation Period[a]	346	318	575	761	887	706	630	3,766	2,286	872	434	425
Water Year Types[b]												
Wet (32%)	373	402	1,169	1,552	1,614	1,480	844	4,620	3,560	1,103	450	450
Above Normal (15%)	314	275	300	478	1,043	519	513	4,416	3,188	1,048	450	450
Below Normal (17%)	346	300	300	521	662	300	504	3,865	1,767	916	450	450
Dry (22%)	352	283	300	300	300	300	529	3,216	1,251	667	450	450
Critical (15%)	311	250	297	300	300	300	580	1,973	783	450	338	280

Alternative 4 H2 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	0	6	2,321	290	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	2,100	0	0	0
30%	0	0	0	0	0	0	0	-97	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	-33	-143	0	0	0	0
Long Term												
Full Simulation Period[a]	-22	-42	31	89	253	95	45	-14	179	-51	-16	-25
Water Year Types[b]												
Wet (32%)	0	-87	98	112	557	271	122	-16	189	-185	0	0
Above Normal (15%)	-59	-25	0	178	354	83	43	-46	700	0	0	0
Below Normal (17%)	0	0	0	163	145	-19	-3	90	96	47	0	0
Dry (22%)	-21	-17	0	0	0	0	0	0	0	0	0	0
Critical (15%)	-62	-50	-3	0	0	0	5	-119	0	0	-112	-170

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-14-7. Trinity River below Lewiston Reservoir, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	373	300	300	1,102	1,169	1,080	600	4,709	4,626	1,102	450	450
20%	373	300	300	300	300	300	540	4,709	2,526	1,102	450	450
30%	373	300	300	300	300	300	540	4,667	2,526	1,102	450	450
40%	373	300	300	300	300	300	540	4,570	2,526	1,102	450	450
50%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
60%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
70%	373	300	300	300	300	300	460	2,924	783	450	450	450
80%	373	300	300	300	300	300	460	2,924	783	450	450	450
90%	373	300	300	300	300	300	460	1,641	783	450	450	450
Long Term												
Full Simulation Period[a]	368	360	545	671	634	611	584	3,779	2,108	923	450	450
Water Year Types[b]												
Wet (32%)	373	489	1,072	1,440	1,056	1,209	721	4,636	3,371	1,289	450	450
Above Normal (15%)	373	300	300	300	689	436	469	4,462	2,488	1,048	450	450
Below Normal (17%)	346	300	300	358	517	319	507	3,774	1,672	869	450	450
Dry (22%)	373	300	300	300	300	300	529	3,216	1,251	667	450	450
Critical (15%)	373	300	300	300	300	300	575	2,092	783	450	450	450

Alternative 4 H3 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	373	300	300	300	2,357	300	600	4,709	4,626	1,102	450	450
20%	373	300	300	300	300	300	540	4,709	4,626	1,102	450	450
30%	373	300	300	300	300	300	540	4,570	2,526	1,102	450	450
40%	373	300	300	300	300	300	521	4,570	2,526	1,102	450	450
50%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
60%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
70%	373	300	300	300	300	300	460	2,924	783	450	450	450
80%	373	300	300	300	300	300	460	2,924	783	450	450	450
90%	373	300	300	300	300	300	427	1,498	783	450	450	450
Long Term												
Full Simulation Period[a]	344	302	494	650	804	676	622	3,766	2,286	872	428	420
Water Year Types[b]												
Wet (32%)	373	365	926	1,416	1,480	1,385	844	4,620	3,560	1,103	450	450
Above Normal (15%)	332	275	300	300	767	519	458	4,416	3,188	1,048	450	450
Below Normal (17%)	346	300	300	300	662	300	504	3,865	1,767	916	450	450
Dry (22%)	352	283	298	300	300	300	529	3,216	1,251	667	450	450
Critical (15%)	280	225	272	275	300	300	580	1,973	783	450	300	248

Alternative 4 H3 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	0	**-802**	1,188	**-780**	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	2,100	0	0	0
30%	0	0	0	0	0	0	0	**-97**	0	0	0	0
40%	0	0	0	0	0	0	**-19**	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	**-33**	**-143**	0	0	0	0
Long Term												
Full Simulation Period[a]	**-24**	**-57**	**-51**	**-21**	171	65	37	**-14**	179	**-51**	**-22**	**-30**
Water Year Types[b]												
Wet (32%)	0	**-123**	**-146**	**-24**	424	176	122	**-16**	189	**-185**	0	0
Above Normal (15%)	**-41**	**-25**	0	0	78	83	**-11**	**-46**	700	0	0	0
Below Normal (17%)	0	0	0	**-58**	145	**-19**	**-3**	90	96	47	0	0
Dry (22%)	**-21**	**-17**	**-2**	0	0	0	0	0	0	0	0	0
Critical (15%)	**-93**	**-75**	**-28**	**-25**	0	0	5	**-119**	0	0	**-150**	**-202**

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-14-8. Trinity River below Lewiston Reservoir, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	373	300	300	1,102	1,169	1,080	600	4,709	4,626	1,102	450	450
20%	373	300	300	300	300	300	540	4,709	2,526	1,102	450	450
30%	373	300	300	300	300	300	540	4,667	2,526	1,102	450	450
40%	373	300	300	300	300	300	540	4,570	2,526	1,102	450	450
50%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
60%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
70%	373	300	300	300	300	300	460	2,924	783	450	450	450
80%	373	300	300	300	300	300	460	2,924	783	450	450	450
90%	373	300	300	300	300	300	460	1,641	783	450	450	450
Long Term												
Full Simulation Period[a]	368	360	545	671	634	611	584	3,779	2,108	923	450	450
Water Year Types[b]												
Wet (32%)	373	489	1,072	1,440	1,056	1,209	721	4,636	3,371	1,289	450	450
Above Normal (15%)	373	300	300	300	689	436	469	4,462	2,488	1,048	450	450
Below Normal (17%)	346	300	300	358	517	319	507	3,774	1,672	869	450	450
Dry (22%)	373	300	300	300	300	300	529	3,216	1,251	667	450	450
Critical (15%)	373	300	300	300	300	300	575	2,092	783	450	450	450

Alternative 4 H4 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	373	300	300	300	1,762	300	600	4,709	4,626	1,102	450	450
20%	373	300	300	300	300	300	540	4,709	4,626	1,102	450	450
30%	373	300	300	300	300	300	540	4,570	2,526	1,102	450	450
40%	373	300	300	300	300	300	521	4,570	2,526	1,102	450	450
50%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
60%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
70%	373	300	300	300	300	300	460	2,924	783	450	450	450
80%	373	300	300	300	300	300	460	2,924	783	450	450	450
90%	373	300	300	300	300	300	427	1,498	783	450	450	450
Long Term												
Full Simulation Period[a]	349	302	498	662	760	676	622	3,766	2,286	872	439	430
Water Year Types[b]												
Wet (32%)	373	365	938	1,452	1,439	1,385	844	4,620	3,560	1,103	450	450
Above Normal (15%)	330	275	300	300	556	519	458	4,416	3,188	1,048	450	450
Below Normal (17%)	346	300	300	300	662	300	504	3,865	1,767	916	450	450
Dry (22%)	352	283	300	300	300	300	529	3,216	1,251	667	450	450
Critical (15%)	311	225	272	278	300	300	580	1,973	783	450	375	315

Alternative 4 H4 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	0	**-802**	594	**-780**	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	2,100	0	0	0
30%	0	0	0	0	0	0	0	**-97**	0	0	0	0
40%	0	0	0	0	0	0	**-19**	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	**-33**	**-143**	0	0	0	0
Long Term												
Full Simulation Period[a]	**-20**	**-57**	**-47**	**-9**	127	65	37	**-14**	179	**-51**	**-11**	**-20**
Water Year Types[b]												
Wet (32%)	0	**-123**	**-134**	12	383	176	122	**-16**	189	**-185**	0	0
Above Normal (15%)	**-43**	**-25**	0	0	**-133**	83	**-11**	**-46**	700	0	0	0
Below Normal (17%)	0	0	0	**-58**	145	**-19**	**-3**	90	96	47	0	0
Dry (22%)	**-21**	**-17**	0	0	0	0	0	0	0	0	0	0
Critical (15%)	**-62**	**-75**	**-28**	**-22**	0	0	5	**-119**	0	0	**-75**	**-135**

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-14-9. Trinity River below Lewiston Reservoir, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	373	300	300	1,102	1,169	1,080	600	4,709	4,626	1,102	450	450
20%	373	300	300	300	300	300	540	4,709	2,526	1,102	450	450
30%	373	300	300	300	300	300	540	4,667	2,526	1,102	450	450
40%	373	300	300	300	300	300	540	4,570	2,526	1,102	450	450
50%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
60%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
70%	373	300	300	300	300	300	460	2,924	783	450	450	450
80%	373	300	300	300	300	300	460	2,924	783	450	450	450
90%	373	300	300	300	300	300	460	1,641	783	450	450	450
Long Term												
Full Simulation Period[a]	368	360	545	671	634	611	584	3,779	2,108	923	450	450
Water Year Types[b]												
Wet (32%)	373	489	1,072	1,440	1,056	1,209	721	4,636	3,371	1,289	450	450
Above Normal (15%)	373	300	300	300	689	436	469	4,462	2,488	1,048	450	450
Below Normal (17%)	346	300	300	358	517	319	507	3,774	1,672	869	450	450
Dry (22%)	373	300	300	300	300	300	529	3,216	1,251	667	450	450
Critical (15%)	373	300	300	300	300	300	575	2,092	783	450	450	450

Alternative 5 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	373	300	300	300	2,598	300	600	4,709	4,626	1,102	450	450
20%	373	300	300	300	300	300	540	4,709	4,626	1,102	450	450
30%	373	300	300	300	300	300	540	4,570	2,526	1,102	450	450
40%	373	300	300	300	300	300	521	4,570	2,526	1,102	450	450
50%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
60%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
70%	373	300	300	300	300	300	460	2,924	783	450	450	450
80%	373	300	300	300	300	300	460	2,924	783	450	450	450
90%	373	300	300	300	300	300	427	1,498	783	450	450	450
Long Term												
Full Simulation Period[a]	342	297	480	669	816	676	622	3,766	2,286	870	434	428
Water Year Types[b]												
Wet (32%)	373	348	890	1,476	1,559	1,385	844	4,620	3,560	1,103	450	450
Above Normal (15%)	320	275	300	300	701	519	458	4,416	3,188	1,048	450	450
Below Normal (17%)	346	300	300	300	638	300	504	3,865	1,767	916	450	450
Dry (22%)	352	283	300	300	300	300	529	3,216	1,251	667	450	450
Critical (15%)	280	225	250	275	299	300	580	1,973	783	438	338	297

Alternative 5 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	0	**-802**	1,429	**-780**	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	2,100	0	0	0
30%	0	0	0	0	0	0	0	**-97**	0	0	0	0
40%	0	0	0	0	0	0	**-19**	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	**-33**	**-143**	0	0	0	0
Long Term												
Full Simulation Period[a]	**-26**	**-63**	**-65**	**-2**	182	65	37	**-14**	179	**-53**	**-16**	**-22**
Water Year Types[b]												
Wet (32%)	0	**-140**	**-181**	36	503	176	122	**-16**	189	**-185**	0	0
Above Normal (15%)	**-53**	**-25**	0	0	12	83	**-11**	**-46**	700	0	0	0
Below Normal (17%)	0	0	0	**-58**	122	**-19**	**-3**	90	96	47	0	0
Dry (22%)	**-21**	**-17**	0	0	0	0	0	0	0	0	0	0
Critical (15%)	**-93**	**-75**	**-50**	**-25**	**-1**	0	5	**-119**	0	**-12**	**-112**	**-153**

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-14-10. Trinity River below Lewiston Reservoir, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	373	300	300	1,102	1,169	1,080	600	4,709	4,626	1,102	450	450
20%	373	300	300	300	300	300	540	4,709	2,526	1,102	450	450
30%	373	300	300	300	300	300	540	4,667	2,526	1,102	450	450
40%	373	300	300	300	300	300	540	4,570	2,526	1,102	450	450
50%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
60%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
70%	373	300	300	300	300	300	460	2,924	783	450	450	450
80%	373	300	300	300	300	300	460	2,924	783	450	450	450
90%	373	300	300	300	300	300	460	1,641	783	450	450	450
Long Term												
Full Simulation Period[a]	368	360	545	671	634	611	584	3,779	2,108	923	450	450
Water Year Types[b]												
Wet (32%)	373	489	1,072	1,440	1,056	1,209	721	4,636	3,371	1,289	450	450
Above Normal (15%)	373	300	300	300	689	436	469	4,462	2,488	1,048	450	450
Below Normal (17%)	346	300	300	358	517	319	507	3,774	1,672	869	450	450
Dry (22%)	373	300	300	300	300	300	529	3,216	1,251	667	450	450
Critical (15%)	373	300	300	300	300	300	575	2,092	783	450	450	450

Alternative 6A,6B,6C (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	373	300	300	625	3,472	1,101	600	4,709	4,626	1,102	450	450
20%	373	300	300	300	300	300	540	4,709	4,626	1,102	450	450
30%	373	300	300	300	300	300	540	4,570	2,526	1,102	450	450
40%	373	300	300	300	300	300	540	4,570	2,526	1,102	450	450
50%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
60%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
70%	373	300	300	300	300	300	460	2,924	783	450	450	450
80%	373	300	300	300	300	300	460	2,924	783	450	450	450
90%	373	300	300	300	300	300	427	1,498	783	450	450	450
Long Term												
Full Simulation Period[a]	344	309	509	722	879	705	642	3,766	2,286	872	434	426
Water Year Types[b]												
Wet (32%)	373	385	972	1,637	1,626	1,477	882	4,620	3,560	1,103	450	450
Above Normal (15%)	332	275	300	300	962	519	514	4,416	3,188	1,048	450	450
Below Normal (17%)	346	300	300	300	662	300	504	3,865	1,767	916	450	450
Dry (22%)	352	283	300	300	300	300	529	3,216	1,251	667	450	450
Critical (15%)	280	225	275	286	300	300	580	1,973	783	450	338	283

Alternative 6A,6B,6C (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	0	-478	2,304	21	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	2,100	0	0	0
30%	0	0	0	0	0	0	0	-97	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	-33	-143	0	0	0	0
Long Term												
Full Simulation Period[a]	-24	-51	-35	50	245	94	58	-14	179	-51	-16	-24
Water Year Types[b]												
Wet (32%)	0	-104	-100	197	570	268	161	-16	189	-185	0	0
Above Normal (15%)	-41	-25	0	0	272	83	44	-46	700	0	0	0
Below Normal (17%)	0	0	0	-58	145	-19	-3	90	96	47	0	0
Dry (22%)	-21	-17	0	0	0	0	0	0	0	0	0	0
Critical (15%)	-93	-75	-25	-14	0	0	5	-119	0	0	-112	-167

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-14-11. Trinity River below Lewiston Reservoir, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	373	300	300	1,102	1,169	1,080	600	4,709	4,626	1,102	450	450
20%	373	300	300	300	300	300	540	4,709	2,526	1,102	450	450
30%	373	300	300	300	300	300	540	4,667	2,526	1,102	450	450
40%	373	300	300	300	300	300	540	4,570	2,526	1,102	450	450
50%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
60%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
70%	373	300	300	300	300	300	460	2,924	783	450	450	450
80%	373	300	300	300	300	300	460	2,924	783	450	450	450
90%	373	300	300	300	300	300	460	1,641	783	450	450	450
Long Term												
Full Simulation Period[a]	368	360	545	671	634	611	584	3,779	2,108	923	450	450
Water Year Types[b]												
Wet (32%)	373	489	1,072	1,440	1,056	1,209	721	4,636	3,371	1,289	450	450
Above Normal (15%)	373	300	300	300	689	436	469	4,462	2,488	1,048	450	450
Below Normal (17%)	346	300	300	358	517	319	507	3,774	1,672	869	450	450
Dry (22%)	373	300	300	300	300	300	529	3,216	1,251	667	450	450
Critical (15%)	373	300	300	300	300	300	575	2,092	783	450	450	450

Alternative 7 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	373	300	300	406	3,026	664	600	4,709	4,626	1,102	450	450
20%	373	300	300	300	300	300	540	4,709	4,626	1,102	450	450
30%	373	300	300	300	300	300	540	4,570	2,526	1,102	450	450
40%	373	300	300	300	300	300	521	4,570	2,526	1,102	450	450
50%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
60%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
70%	373	300	300	300	300	300	460	2,924	783	450	450	450
80%	373	300	300	300	300	300	460	2,924	783	450	450	450
90%	373	300	300	300	300	300	427	1,498	783	450	450	450
Long Term												
Full Simulation Period[a]	344	305	488	670	834	692	622	3,766	2,286	872	428	417
Water Year Types[b]												
Wet (32%)	373	385	905	1,477	1,550	1,436	844	4,620	3,560	1,103	450	450
Above Normal (15%)	329	250	300	300	821	519	458	4,416	3,188	1,048	450	450
Below Normal (17%)	346	300	300	300	662	300	504	3,865	1,767	916	450	450
Dry (22%)	352	283	300	300	300	300	529	3,216	1,251	667	450	450
Critical (15%)	280	225	273	278	300	300	580	1,973	783	450	300	228

Alternative 7 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	0	**-697**	1,857	**-416**	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	2,100	0	0	0
30%	0	0	0	0	0	0	0	**-97**	0	0	0	0
40%	0	0	0	0	0	0	**-19**	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	**-33**	**-143**	0	0	0	0
Long Term												
Full Simulation Period[a]	**-25**	**-55**	**-57**	**-1**	201	81	37	**-14**	179	**-51**	**-22**	**-33**
Water Year Types[b]												
Wet (32%)	0	**-104**	**-167**	37	494	227	122	**-16**	189	**-185**	0	0
Above Normal (15%)	**-44**	**-50**	0	0	132	83	**-11**	**-46**	700	0	0	0
Below Normal (17%)	0	0	0	**-58**	145	**-19**	**-3**	90	96	47	0	0
Dry (22%)	**-21**	**-17**	0	0	0	0	0	0	0	0	0	0
Critical (15%)	**-93**	**-75**	**-27**	**-22**	0	0	5	**-119**	0	0	**-150**	**-222**

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-14-12. Trinity River below Lewiston Reservoir, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	373	300	300	1,102	1,169	1,080	600	4,709	4,626	1,102	450	450
20%	373	300	300	300	300	300	540	4,709	2,526	1,102	450	450
30%	373	300	300	300	300	300	540	4,667	2,526	1,102	450	450
40%	373	300	300	300	300	300	540	4,570	2,526	1,102	450	450
50%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
60%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
70%	373	300	300	300	300	300	460	2,924	783	450	450	450
80%	373	300	300	300	300	300	460	2,924	783	450	450	450
90%	373	300	300	300	300	300	460	1,641	783	450	450	450
Long Term												
Full Simulation Period[a]	368	360	545	671	634	611	584	3,779	2,108	923	450	450
Water Year Types[b]												
Wet (32%)	373	489	1,072	1,440	1,056	1,209	721	4,636	3,371	1,289	450	450
Above Normal (15%)	373	300	300	300	689	436	469	4,462	2,488	1,048	450	450
Below Normal (17%)	346	300	300	358	517	319	507	3,774	1,672	869	450	450
Dry (22%)	373	300	300	300	300	300	529	3,216	1,251	667	450	450
Critical (15%)	373	300	300	300	300	300	575	2,092	783	450	450	450

Alternative 8 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	373	300	300	300	3,508	1,474	600	4,709	4,626	1,102	450	450
20%	373	300	300	300	300	300	540	4,709	4,626	1,102	450	450
30%	373	300	300	300	300	300	540	4,570	2,526	1,102	450	450
40%	373	300	300	300	300	300	521	4,570	2,526	1,102	450	450
50%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
60%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
70%	373	300	300	300	300	300	460	2,924	783	450	450	450
80%	373	300	300	300	300	300	460	2,924	783	450	450	450
90%	373	300	300	300	300	300	427	1,498	783	450	450	450
Long Term												
Full Simulation Period[a]	342	280	489	722	875	740	622	3,766	2,286	872	423	423
Water Year Types[b]												
Wet (32%)	373	300	923	1,641	1,765	1,585	844	4,620	3,560	1,103	450	450
Above Normal (15%)	314	275	300	300	748	519	458	4,416	3,188	1,048	450	450
Below Normal (17%)	346	300	300	300	563	300	504	3,865	1,767	916	450	450
Dry (22%)	352	283	297	300	300	300	529	3,216	1,251	667	450	450
Critical (15%)	280	216	247	277	300	300	580	1,973	783	450	263	267

Alternative 8 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	0	-802	2,340	394	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	2,100	0	0	0
30%	0	0	0	0	0	0	0	-97	0	0	0	0
40%	0	0	0	0	0	0	-19	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	-33	-143	0	0	0	0
Long Term												
Full Simulation Period[a]	-27	-79	-56	50	241	128	37	-14	179	-51	-27	-27
Water Year Types[b]												
Wet (32%)	0	-189	-149	201	709	376	122	-16	189	-185	0	0
Above Normal (15%)	-59	-25	0	0	59	83	-11	-46	700	0	0	0
Below Normal (17%)	0	0	0	-58	46	-19	-3	90	96	47	0	0
Dry (22%)	-21	-17	-3	0	0	0	0	0	0	0	0	0
Critical (15%)	-93	-84	-53	-23	0	0	5	-119	0	0	-187	-183

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-14-13. Trinity River below Lewiston Reservoir, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	373	300	300	1,102	1,169	1,080	600	4,709	4,626	1,102	450	450
20%	373	300	300	300	300	300	540	4,709	2,526	1,102	450	450
30%	373	300	300	300	300	300	540	4,667	2,526	1,102	450	450
40%	373	300	300	300	300	300	540	4,570	2,526	1,102	450	450
50%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
60%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
70%	373	300	300	300	300	300	460	2,924	783	450	450	450
80%	373	300	300	300	300	300	460	2,924	783	450	450	450
90%	373	300	300	300	300	300	460	1,641	783	450	450	450
Long Term												
Full Simulation Period[a]	368	360	545	671	634	611	584	3,779	2,108	923	450	450
Water Year Types[b]												
Wet (32%)	373	489	1,072	1,440	1,056	1,209	721	4,636	3,371	1,289	450	450
Above Normal (15%)	373	300	300	300	689	436	469	4,462	2,488	1,048	450	450
Below Normal (17%)	346	300	300	358	517	319	507	3,774	1,672	869	450	450
Dry (22%)	373	300	300	300	300	300	529	3,216	1,251	667	450	450
Critical (15%)	373	300	300	300	300	300	575	2,092	783	450	450	450

Alternative 9 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	373	300	300	300	2,031	300	600	4,709	4,626	1,102	450	450
20%	373	300	300	300	300	300	540	4,709	4,626	1,102	450	450
30%	373	300	300	300	300	300	540	4,570	2,526	1,102	450	450
40%	373	300	300	300	300	300	540	4,570	2,526	1,102	450	450
50%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
60%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
70%	373	300	300	300	300	300	460	2,924	783	450	450	450
80%	373	300	300	300	300	300	460	2,924	783	450	450	450
90%	373	300	300	300	300	300	427	1,498	783	450	450	450
Long Term												
Full Simulation Period[a]	346	322	469	674	752	676	630	3,766	2,286	866	428	423
Water Year Types[b]												
Wet (32%)	373	416	845	1,490	1,460	1,385	844	4,620	3,560	1,103	450	450
Above Normal (15%)	311	275	300	300	746	519	515	4,416	3,188	1,048	450	450
Below Normal (17%)	346	300	300	300	409	300	504	3,865	1,767	916	450	450
Dry (22%)	352	283	300	300	300	300	529	3,216	1,251	667	450	450
Critical (15%)	311	250	272	278	300	300	580	1,973	783	413	300	265

Alternative 9 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	0	**-802**	863	**-780**	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	2,100	0	0	0
30%	0	0	0	0	0	0	0	**-97**	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	**-33**	**-143**	0	0	0	0
Long Term												
Full Simulation Period[a]	**-23**	**-38**	**-76**	3	118	65	46	**-14**	179	**-56**	**-22**	**-27**
Water Year Types[b]												
Wet (32%)	0	**-72**	**-227**	50	404	176	122	**-16**	189	**-185**	0	0
Above Normal (15%)	**-62**	**-25**	0	0	56	83	46	**-46**	700	0	0	0
Below Normal (17%)	0	0	0	**-58**	**-107**	**-19**	**-3**	90	96	47	0	0
Dry (22%)	**-21**	**-17**	0	0	0	0	0	0	0	0	0	0
Critical (15%)	**-62**	**-50**	**-28**	**-22**	0	0	5	**-119**	0	**-38**	**-150**	**-185**

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-14-14. Trinity River below Lewiston Reservoir, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	373	300	300	533	2,145	300	600	4,709	4,626	1,102	450	450
20%	373	300	300	300	300	300	540	4,709	4,626	1,102	450	450
30%	373	300	300	300	300	300	540	4,570	2,526	1,102	450	450
40%	373	300	300	300	300	300	540	4,570	2,526	1,102	450	450
50%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
60%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
70%	373	300	300	300	300	300	460	2,924	783	450	450	450
80%	373	300	300	300	300	300	460	2,924	783	450	450	450
90%	373	300	300	300	300	300	427	1,498	783	450	450	450
Long Term												
Full Simulation Period[a]	344	318	466	684	795	676	630	3,766	2,286	866	434	423
Water Year Types[b]												
Wet (32%)	373	414	837	1,518	1,495	1,385	844	4,620	3,560	1,103	450	450
Above Normal (15%)	311	275	300	300	784	519	513	4,416	3,188	1,048	450	450
Below Normal (17%)	346	300	300	300	568	300	504	3,865	1,767	916	450	450
Dry (22%)	346	283	300	300	300	300	529	3,216	1,251	667	450	450
Critical (15%)	311	225	275	287	300	300	580	1,973	783	413	338	265

Alternative 1A,1B,1C (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	373	300	300	568	3,313	300	600	4,709	4,626	1,102	450	450
20%	373	300	300	300	300	300	540	4,709	4,626	1,102	450	450
30%	373	300	300	300	300	300	540	4,570	2,526	1,102	450	450
40%	373	300	300	300	300	300	521	4,570	2,526	1,102	450	450
50%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
60%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
70%	373	300	300	300	300	300	460	2,924	783	450	450	450
80%	373	300	300	300	300	300	460	2,924	783	450	450	450
90%	373	300	300	300	300	300	427	1,498	783	450	450	450
Long Term												
Full Simulation Period[a]	344	309	514	718	816	664	622	3,766	2,286	866	434	422
Water Year Types[b]												
Wet (32%)	373	385	1,011	1,457	1,400	1,347	844	4,620	3,560	1,103	450	450
Above Normal (15%)	323	275	300	483	1,043	519	458	4,416	3,188	1,048	450	450
Below Normal (17%)	346	300	300	464	641	300	504	3,865	1,767	916	450	450
Dry (22%)	352	283	283	300	300	300	529	3,216	1,251	667	450	450
Critical (15%)	290	225	250	278	300	300	580	1,973	783	413	337	259

Alternative 1A,1B,1C (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	0	35	1,169	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	-19	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	0	-9	48	34	20	-12	-8	0	0	0	0	-1
Water Year Types[b]												
Wet (32%)	0	-29	174	-62	-95	-38	0	0	0	0	0	0
Above Normal (15%)	12	0	0	183	260	0	-54	0	0	0	0	0
Below Normal (17%)	0	0	0	164	73	0	0	0	0	0	0	0
Dry (22%)	6	0	-17	0	0	0	0	0	0	0	0	0
Critical (15%)	-21	0	-25	-9	0	0	0	0	0	0	0	-6

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-14-15. Trinity River below Lewiston Reservoir, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	373	300	300	533	2,145	300	600	4,709	4,626	1,102	450	450
20%	373	300	300	300	300	300	540	4,709	4,626	1,102	450	450
30%	373	300	300	300	300	300	540	4,570	2,526	1,102	450	450
40%	373	300	300	300	300	300	540	4,570	2,526	1,102	450	450
50%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
60%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
70%	373	300	300	300	300	300	460	2,924	783	450	450	450
80%	373	300	300	300	300	300	460	2,924	783	450	450	450
90%	373	300	300	300	300	300	427	1,498	783	450	450	450
Long Term												
Full Simulation Period[a]	344	318	466	684	795	676	630	3,766	2,286	866	434	423
Water Year Types[b]												
Wet (32%)	373	414	837	1,518	1,495	1,385	844	4,620	3,560	1,103	450	450
Above Normal (15%)	311	275	300	300	784	519	513	4,416	3,188	1,048	450	450
Below Normal (17%)	346	300	300	300	568	300	504	3,865	1,767	916	450	450
Dry (22%)	346	283	300	300	300	300	529	3,216	1,251	667	450	450
Critical (15%)	311	225	275	287	300	300	580	1,973	783	413	338	265

Alternative 2A,2B,2C (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	373	300	300	300	2,152	300	600	4,709	4,626	1,102	450	450
20%	373	300	300	300	300	300	540	4,709	4,626	1,102	450	450
30%	373	300	300	300	300	300	540	4,570	2,526	1,102	450	450
40%	373	300	300	300	300	300	540	4,570	2,526	1,102	450	450
50%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
60%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
70%	373	300	300	300	300	300	460	2,924	783	450	450	450
80%	373	300	300	300	300	300	460	2,924	783	450	450	450
90%	373	300	300	300	300	300	427	1,498	783	450	450	450
Long Term												
Full Simulation Period[a]	344	302	497	653	784	673	629	3,766	2,286	872	428	412
Water Year Types[b]												
Wet (32%)	373	365	933	1,425	1,426	1,376	844	4,620	3,560	1,103	450	450
Above Normal (15%)	332	275	300	300	773	519	511	4,416	3,188	1,048	450	450
Below Normal (17%)	346	300	300	300	662	300	504	3,865	1,767	916	450	450
Dry (22%)	352	283	300	300	300	300	529	3,216	1,251	667	450	450
Critical (15%)	280	225	272	275	275	300	580	1,973	783	450	300	188

Alternative 2A,2B,2C (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	0	-233	7	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	0	-15	30	-31	-11	-3	0	0	0	5	-5	-11
Water Year Types[b]												
Wet (32%)	0	-49	96	-93	-69	-9	0	0	0	0	0	0
Above Normal (15%)	21	0	0	0	-10	0	-1	0	0	0	0	0
Below Normal (17%)	0	0	0	0	94	0	0	0	0	0	0	0
Dry (22%)	6	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	-31	0	-3	-12	-25	0	0	0	0	37	-37	-78

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-14-16. Trinity River below Lewiston Reservoir, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	373	300	300	533	2,145	300	600	4,709	4,626	1,102	450	450
20%	373	300	300	300	300	300	540	4,709	4,626	1,102	450	450
30%	373	300	300	300	300	300	540	4,570	2,526	1,102	450	450
40%	373	300	300	300	300	300	540	4,570	2,526	1,102	450	450
50%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
60%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
70%	373	300	300	300	300	300	460	2,924	783	450	450	450
80%	373	300	300	300	300	300	460	2,924	783	450	450	450
90%	373	300	300	300	300	300	427	1,498	783	450	450	450
Long Term												
Full Simulation Period[a]	344	318	466	684	795	676	630	3,766	2,286	866	434	423
Water Year Types[b]												
Wet (32%)	373	414	837	1,518	1,495	1,385	844	4,620	3,560	1,103	450	450
Above Normal (15%)	311	275	300	300	784	519	513	4,416	3,188	1,048	450	450
Below Normal (17%)	346	300	300	300	568	300	504	3,865	1,767	916	450	450
Dry (22%)	346	283	300	300	300	300	529	3,216	1,251	667	450	450
Critical (15%)	311	225	275	287	300	300	580	1,973	783	413	338	265

Alternative 3 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	373	300	300	1,009	3,362	1,298	600	4,709	4,626	1,102	450	450
20%	373	300	300	300	300	300	540	4,709	4,626	1,102	450	450
30%	373	300	300	300	300	300	540	4,570	2,526	1,102	450	450
40%	373	300	300	300	300	300	521	4,570	2,526	1,102	450	450
50%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
60%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
70%	373	300	300	300	300	300	460	2,924	783	450	450	450
80%	373	300	300	300	300	300	460	2,924	783	450	450	450
90%	373	300	300	300	300	300	427	1,498	783	450	450	450
Long Term												
Full Simulation Period[a]	345	309	513	713	839	681	622	3,766	2,286	867	434	425
Water Year Types[b]												
Wet (32%)	373	385	1,006	1,484	1,486	1,402	844	4,620	3,560	1,103	450	450
Above Normal (15%)	323	275	300	483	1,043	519	458	4,416	3,188	1,048	450	450
Below Normal (17%)	346	300	300	383	636	300	504	3,865	1,767	916	450	450
Dry (22%)	352	283	283	300	300	300	529	3,216	1,251	667	450	450
Critical (15%)	293	225	250	275	275	300	580	1,973	783	417	338	278

Alternative 3 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	0	476	1,217	998	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	-19	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	1	-9	46	28	43	5	-8	0	0	1	0	2
Water Year Types[b]												
Wet (32%)	0	-29	169	-34	-9	17	0	0	0	0	0	0
Above Normal (15%)	12	0	0	183	260	0	-54	0	0	0	0	0
Below Normal (17%)	0	0	0	83	68	0	0	0	0	0	0	0
Dry (22%)	6	0	-17	0	0	0	0	0	0	0	0	0
Critical (15%)	-18	0	-25	-12	-25	0	0	0	0	5	0	13

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-14-17. Trinity River below Lewiston Reservoir, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	373	300	300	533	2,145	300	600	4,709	4,626	1,102	450	450
20%	373	300	300	300	300	300	540	4,709	4,626	1,102	450	450
30%	373	300	300	300	300	300	540	4,570	2,526	1,102	450	450
40%	373	300	300	300	300	300	540	4,570	2,526	1,102	450	450
50%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
60%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
70%	373	300	300	300	300	300	460	2,924	783	450	450	450
80%	373	300	300	300	300	300	460	2,924	783	450	450	450
90%	373	300	300	300	300	300	427	1,498	783	450	450	450
Long Term												
Full Simulation Period[a]	344	318	466	684	795	676	630	3,766	2,286	866	434	423
Water Year Types[b]												
Wet (32%)	373	414	837	1,518	1,495	1,385	844	4,620	3,560	1,103	450	450
Above Normal (15%)	311	275	300	300	784	519	513	4,416	3,188	1,048	450	450
Below Normal (17%)	346	300	300	300	568	300	504	3,865	1,767	916	450	450
Dry (22%)	346	283	300	300	300	300	529	3,216	1,251	667	450	450
Critical (15%)	311	225	275	287	300	300	580	1,973	783	413	338	265

Alternative 4 H1 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	373	300	300	300	3,562	372	600	4,709	4,626	1,102	450	450
20%	373	300	300	300	300	300	540	4,709	4,626	1,102	450	450
30%	373	300	300	300	300	300	540	4,570	2,526	1,102	450	450
40%	373	300	300	300	300	300	521	4,570	2,526	1,102	450	450
50%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
60%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
70%	373	300	300	300	300	300	460	2,924	783	450	450	450
80%	373	300	300	300	300	300	460	2,924	783	450	450	450
90%	373	300	300	300	300	300	427	1,498	783	450	450	450
Long Term												
Full Simulation Period[a]	344	302	566	686	888	693	622	3,766	2,286	872	428	417
Water Year Types[b]												
Wet (32%)	373	365	1,151	1,474	1,617	1,438	844	4,620	3,560	1,103	450	450
Above Normal (15%)	332	275	300	405	1,043	519	458	4,416	3,188	1,048	450	450
Below Normal (17%)	346	300	300	300	662	300	504	3,865	1,767	916	450	450
Dry (22%)	352	283	299	300	300	300	529	3,216	1,251	667	450	450
Critical (15%)	280	225	272	287	300	300	580	1,973	783	450	300	225

Alternative 4 H1 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	0	-233	1,418	72	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	-19	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	0	-15	99	1	93	17	-8	0	0	5	-5	-6
Water Year Types[b]												
Wet (32%)	0	-49	315	-44	122	53	0	0	0	0	0	0
Above Normal (15%)	21	0	0	105	260	0	-54	0	0	0	0	0
Below Normal (17%)	0	0	0	0	94	0	0	0	0	0	0	0
Dry (22%)	6	0	-1	0	0	0	0	0	0	0	0	0
Critical (15%)	-31	0	-3	0	0	0	0	0	0	37	-37	-40

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-14-18. Trinity River below Lewiston Reservoir, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	373	300	300	533	2,145	300	600	4,709	4,626	1,102	450	450
20%	373	300	300	300	300	300	540	4,709	4,626	1,102	450	450
30%	373	300	300	300	300	300	540	4,570	2,526	1,102	450	450
40%	373	300	300	300	300	300	540	4,570	2,526	1,102	450	450
50%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
60%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
70%	373	300	300	300	300	300	460	2,924	783	450	450	450
80%	373	300	300	300	300	300	460	2,924	783	450	450	450
90%	373	300	300	300	300	300	427	1,498	783	450	450	450
Long Term												
Full Simulation Period[a]	344	318	466	684	795	676	630	3,766	2,286	866	434	423
Water Year Types[b]												
Wet (32%)	373	414	837	1,518	1,495	1,385	844	4,620	3,560	1,103	450	450
Above Normal (15%)	311	275	300	300	784	519	513	4,416	3,188	1,048	450	450
Below Normal (17%)	346	300	300	300	568	300	504	3,865	1,767	916	450	450
Dry (22%)	346	283	300	300	300	300	529	3,216	1,251	667	450	450
Critical (15%)	311	225	275	287	300	300	580	1,973	783	413	338	265

Alternative 4 H2 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	373	300	300	1,108	3,489	1,370	600	4,709	4,626	1,102	450	450
20%	373	300	300	300	300	300	540	4,709	4,626	1,102	450	450
30%	373	300	300	300	300	300	540	4,570	2,526	1,102	450	450
40%	373	300	300	300	300	300	540	4,570	2,526	1,102	450	450
50%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
60%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
70%	373	300	300	300	300	300	460	2,924	783	450	450	450
80%	373	300	300	300	300	300	460	2,924	783	450	450	450
90%	373	300	300	300	300	300	427	1,498	783	450	450	450
Long Term												
Full Simulation Period[a]	346	318	575	761	887	706	630	3,766	2,286	872	434	425
Water Year Types[b]												
Wet (32%)	373	402	1,169	1,552	1,614	1,480	844	4,620	3,560	1,103	450	450
Above Normal (15%)	314	275	300	478	1,043	519	513	4,416	3,188	1,048	450	450
Below Normal (17%)	346	300	300	521	662	300	504	3,865	1,767	916	450	450
Dry (22%)	352	283	300	300	300	300	529	3,216	1,251	667	450	450
Critical (15%)	311	250	297	300	300	300	580	1,973	783	450	338	280

Alternative 4 H2 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	0	575	1,345	1,070	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	2	0	109	76	92	30	0	0	0	5	0	2
Water Year Types[b]												
Wet (32%)	0	-12	333	34	119	95	0	0	0	0	0	0
Above Normal (15%)	3	0	0	178	260	0	0	0	0	0	0	0
Below Normal (17%)	0	0	0	221	94	0	0	0	0	0	0	0
Dry (22%)	6	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	0	25	22	13	0	0	0	0	0	37	0	15

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-14-19. Trinity River below Lewiston Reservoir, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	373	300	300	533	2,145	300	600	4,709	4,626	1,102	450	450
20%	373	300	300	300	300	300	540	4,709	4,626	1,102	450	450
30%	373	300	300	300	300	300	540	4,570	2,526	1,102	450	450
40%	373	300	300	300	300	300	540	4,570	2,526	1,102	450	450
50%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
60%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
70%	373	300	300	300	300	300	460	2,924	783	450	450	450
80%	373	300	300	300	300	300	460	2,924	783	450	450	450
90%	373	300	300	300	300	300	427	1,498	783	450	450	450
Long Term												
Full Simulation Period[a]	344	318	466	684	795	676	630	3,766	2,286	866	434	423
Water Year Types[b]												
Wet (32%)	373	414	837	1,518	1,495	1,385	844	4,620	3,560	1,103	450	450
Above Normal (15%)	311	275	300	300	784	519	513	4,416	3,188	1,048	450	450
Below Normal (17%)	346	300	300	300	568	300	504	3,865	1,767	916	450	450
Dry (22%)	346	283	300	300	300	300	529	3,216	1,251	667	450	450
Critical (15%)	311	225	275	287	300	300	580	1,973	783	413	338	265

Alternative 4 H3 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	373	300	300	300	2,357	300	600	4,709	4,626	1,102	450	450
20%	373	300	300	300	300	300	540	4,709	4,626	1,102	450	450
30%	373	300	300	300	300	300	540	4,570	2,526	1,102	450	450
40%	373	300	300	300	300	300	521	4,570	2,526	1,102	450	450
50%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
60%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
70%	373	300	300	300	300	300	460	2,924	783	450	450	450
80%	373	300	300	300	300	300	460	2,924	783	450	450	450
90%	373	300	300	300	300	300	427	1,498	783	450	450	450
Long Term												
Full Simulation Period[a]	344	302	494	650	804	676	622	3,766	2,286	872	428	420
Water Year Types[b]												
Wet (32%)	373	365	926	1,416	1,480	1,385	844	4,620	3,560	1,103	450	450
Above Normal (15%)	332	275	300	300	767	519	458	4,416	3,188	1,048	450	450
Below Normal (17%)	346	300	300	300	662	300	504	3,865	1,767	916	450	450
Dry (22%)	352	283	298	300	300	300	529	3,216	1,251	667	450	450
Critical (15%)	280	225	272	275	300	300	580	1,973	783	450	300	248

Alternative 4 H3 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	0	-233	212	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	-19	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	0	-15	27	-34	9	0	-8	0	0	5	-5	-3
Water Year Types[b]												
Wet (32%)	0	-49	89	-102	-14	0	0	0	0	0	0	0
Above Normal (15%)	21	0	0	0	-17	0	-54	0	0	0	0	0
Below Normal (17%)	0	0	0	0	94	0	0	0	0	0	0	0
Dry (22%)	6	0	-2	0	0	0	0	0	0	0	0	0
Critical (15%)	-31	0	-3	-12	0	0	0	0	0	37	-37	-17

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-14-20. Trinity River below Lewiston Reservoir, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	373	300	300	533	2,145	300	600	4,709	4,626	1,102	450	450
20%	373	300	300	300	300	300	540	4,709	4,626	1,102	450	450
30%	373	300	300	300	300	300	540	4,570	2,526	1,102	450	450
40%	373	300	300	300	300	300	540	4,570	2,526	1,102	450	450
50%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
60%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
70%	373	300	300	300	300	300	460	2,924	783	450	450	450
80%	373	300	300	300	300	300	460	2,924	783	450	450	450
90%	373	300	300	300	300	300	427	1,498	783	450	450	450
Long Term												
Full Simulation Period[a]	344	318	466	684	795	676	630	3,766	2,286	866	434	423
Water Year Types[b]												
Wet (32%)	373	414	837	1,518	1,495	1,385	844	4,620	3,560	1,103	450	450
Above Normal (15%)	311	275	300	300	784	519	513	4,416	3,188	1,048	450	450
Below Normal (17%)	346	300	300	300	568	300	504	3,865	1,767	916	450	450
Dry (22%)	346	283	300	300	300	300	529	3,216	1,251	667	450	450
Critical (15%)	311	225	275	287	300	300	580	1,973	783	413	338	265

Alternative 4 H4 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	373	300	300	300	1,762	300	600	4,709	4,626	1,102	450	450
20%	373	300	300	300	300	300	540	4,709	4,626	1,102	450	450
30%	373	300	300	300	300	300	540	4,570	2,526	1,102	450	450
40%	373	300	300	300	300	300	521	4,570	2,526	1,102	450	450
50%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
60%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
70%	373	300	300	300	300	300	460	2,924	783	450	450	450
80%	373	300	300	300	300	300	460	2,924	783	450	450	450
90%	373	300	300	300	300	300	427	1,498	783	450	450	450
Long Term												
Full Simulation Period[a]	349	302	498	662	760	676	622	3,766	2,286	872	439	430
Water Year Types[b]												
Wet (32%)	373	365	938	1,452	1,439	1,385	844	4,620	3,560	1,103	450	450
Above Normal (15%)	330	275	300	300	556	519	458	4,416	3,188	1,048	450	450
Below Normal (17%)	346	300	300	300	662	300	504	3,865	1,767	916	450	450
Dry (22%)	352	283	300	300	300	300	529	3,216	1,251	667	450	450
Critical (15%)	311	225	272	278	300	300	580	1,973	783	450	375	315

Alternative 4 H4 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	0	-233	-382	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	-19	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	4	-15	32	-22	-35	0	-8	0	0	5	5	7
Water Year Types[b]												
Wet (32%)	0	-49	101	-67	-56	0	0	0	0	0	0	0
Above Normal (15%)	19	0	0	0	-227	0	-54	0	0	0	0	0
Below Normal (17%)	0	0	0	0	94	0	0	0	0	0	0	0
Dry (22%)	6	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	0	0	-3	-9	0	0	0	0	0	37	38	50

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-14-21. Trinity River below Lewiston Reservoir, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	373	300	300	533	2,145	300	600	4,709	4,626	1,102	450	450
20%	373	300	300	300	300	300	540	4,709	4,626	1,102	450	450
30%	373	300	300	300	300	300	540	4,570	2,526	1,102	450	450
40%	373	300	300	300	300	300	540	4,570	2,526	1,102	450	450
50%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
60%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
70%	373	300	300	300	300	300	460	2,924	783	450	450	450
80%	373	300	300	300	300	300	460	2,924	783	450	450	450
90%	373	300	300	300	300	300	427	1,498	783	450	450	450
Long Term												
Full Simulation Period[a]	344	318	466	684	795	676	630	3,766	2,286	866	434	423
Water Year Types[b]												
Wet (32%)	373	414	837	1,518	1,495	1,385	844	4,620	3,560	1,103	450	450
Above Normal (15%)	311	275	300	300	784	519	513	4,416	3,188	1,048	450	450
Below Normal (17%)	346	300	300	300	568	300	504	3,865	1,767	916	450	450
Dry (22%)	346	283	300	300	300	300	529	3,216	1,251	667	450	450
Critical (15%)	311	225	275	287	300	300	580	1,973	783	413	338	265

Alternative 5 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	373	300	300	300	2,598	300	600	4,709	4,626	1,102	450	450
20%	373	300	300	300	300	300	540	4,709	4,626	1,102	450	450
30%	373	300	300	300	300	300	540	4,570	2,526	1,102	450	450
40%	373	300	300	300	300	300	521	4,570	2,526	1,102	450	450
50%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
60%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
70%	373	300	300	300	300	300	460	2,924	783	450	450	450
80%	373	300	300	300	300	300	460	2,924	783	450	450	450
90%	373	300	300	300	300	300	427	1,498	783	450	450	450
Long Term												
Full Simulation Period[a]	342	297	480	669	816	676	622	3,766	2,286	870	434	428
Water Year Types[b]												
Wet (32%)	373	348	890	1,476	1,559	1,385	844	4,620	3,560	1,103	450	450
Above Normal (15%)	320	275	300	300	701	519	458	4,416	3,188	1,048	450	450
Below Normal (17%)	346	300	300	300	638	300	504	3,865	1,767	916	450	450
Dry (22%)	352	283	300	300	300	300	529	3,216	1,251	667	450	450
Critical (15%)	280	225	250	275	299	300	580	1,973	783	438	338	297

Alternative 5 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	0	-233	453	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	-19	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	-2	-21	13	-15	20	0	-8	0	0	4	0	5
Water Year Types[b]												
Wet (32%)	0	-66	54	-42	65	0	0	0	0	0	0	0
Above Normal (15%)	9	0	0	0	-83	0	-54	0	0	0	0	0
Below Normal (17%)	0	0	0	0	70	0	0	0	0	0	0	0
Dry (22%)	6	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	-31	0	-25	-12	-1	0	0	0	0	25	0	32

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-14-22. Trinity River below Lewiston Reservoir, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	373	300	300	533	2,145	300	600	4,709	4,626	1,102	450	450
20%	373	300	300	300	300	300	540	4,709	4,626	1,102	450	450
30%	373	300	300	300	300	300	540	4,570	2,526	1,102	450	450
40%	373	300	300	300	300	300	540	4,570	2,526	1,102	450	450
50%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
60%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
70%	373	300	300	300	300	300	460	2,924	783	450	450	450
80%	373	300	300	300	300	300	460	2,924	783	450	450	450
90%	373	300	300	300	300	300	427	1,498	783	450	450	450
Long Term												
Full Simulation Period[a]	344	318	466	684	795	676	630	3,766	2,286	866	434	423
Water Year Types[b]												
Wet (32%)	373	414	837	1,518	1,495	1,385	844	4,620	3,560	1,103	450	450
Above Normal (15%)	311	275	300	300	784	519	513	4,416	3,188	1,048	450	450
Below Normal (17%)	346	300	300	300	568	300	504	3,865	1,767	916	450	450
Dry (22%)	346	283	300	300	300	300	529	3,216	1,251	667	450	450
Critical (15%)	311	225	275	287	300	300	580	1,973	783	413	338	265

Alternative 6A,6B,6C (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	373	300	300	625	3,472	1,101	600	4,709	4,626	1,102	450	450
20%	373	300	300	300	300	300	540	4,709	4,626	1,102	450	450
30%	373	300	300	300	300	300	540	4,570	2,526	1,102	450	450
40%	373	300	300	300	300	300	540	4,570	2,526	1,102	450	450
50%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
60%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
70%	373	300	300	300	300	300	460	2,924	783	450	450	450
80%	373	300	300	300	300	300	460	2,924	783	450	450	450
90%	373	300	300	300	300	300	427	1,498	783	450	450	450
Long Term												
Full Simulation Period[a]	344	309	509	722	879	705	642	3,766	2,286	872	434	426
Water Year Types[b]												
Wet (32%)	373	385	972	1,637	1,626	1,477	882	4,620	3,560	1,103	450	450
Above Normal (15%)	332	275	300	300	962	519	514	4,416	3,188	1,048	450	450
Below Normal (17%)	346	300	300	300	662	300	504	3,865	1,767	916	450	450
Dry (22%)	352	283	300	300	300	300	529	3,216	1,251	667	450	450
Critical (15%)	280	225	275	286	300	300	580	1,973	783	450	338	283

Alternative 6A,6B,6C (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	0	92	1,328	801	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	0	-9	43	37	84	29	12	0	0	5	0	3
Water Year Types[b]												
Wet (32%)	0	-29	135	118	131	92	38	0	0	0	0	0
Above Normal (15%)	21	0	0	0	178	0	1	0	0	0	0	0
Below Normal (17%)	0	0	0	0	94	0	0	0	0	0	0	0
Dry (22%)	6	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	-31	0	0	-1	0	0	0	0	0	37	0	18

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-14-23. Trinity River below Lewiston Reservoir, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	373	300	300	533	2,145	300	600	4,709	4,626	1,102	450	450
20%	373	300	300	300	300	300	540	4,709	4,626	1,102	450	450
30%	373	300	300	300	300	300	540	4,570	2,526	1,102	450	450
40%	373	300	300	300	300	300	540	4,570	2,526	1,102	450	450
50%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
60%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
70%	373	300	300	300	300	300	460	2,924	783	450	450	450
80%	373	300	300	300	300	300	460	2,924	783	450	450	450
90%	373	300	300	300	300	300	427	1,498	783	450	450	450
Long Term												
Full Simulation Period[a]	344	318	466	684	795	676	630	3,766	2,286	866	434	423
Water Year Types[b]												
Wet (32%)	373	414	837	1,518	1,495	1,385	844	4,620	3,560	1,103	450	450
Above Normal (15%)	311	275	300	300	784	519	513	4,416	3,188	1,048	450	450
Below Normal (17%)	346	300	300	300	568	300	504	3,865	1,767	916	450	450
Dry (22%)	346	283	300	300	300	300	529	3,216	1,251	667	450	450
Critical (15%)	311	225	275	287	300	300	580	1,973	783	413	338	265

Alternative 7 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	373	300	300	406	3,026	664	600	4,709	4,626	1,102	450	450
20%	373	300	300	300	300	300	540	4,709	4,626	1,102	450	450
30%	373	300	300	300	300	300	540	4,570	2,526	1,102	450	450
40%	373	300	300	300	300	300	521	4,570	2,526	1,102	450	450
50%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
60%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
70%	373	300	300	300	300	300	460	2,924	783	450	450	450
80%	373	300	300	300	300	300	460	2,924	783	450	450	450
90%	373	300	300	300	300	300	427	1,498	783	450	450	450
Long Term												
Full Simulation Period[a]	344	305	488	670	834	692	622	3,766	2,286	872	428	417
Water Year Types[b]												
Wet (32%)	373	385	905	1,477	1,550	1,436	844	4,620	3,560	1,103	450	450
Above Normal (15%)	329	250	300	300	821	519	458	4,416	3,188	1,048	450	450
Below Normal (17%)	346	300	300	300	662	300	504	3,865	1,767	916	450	450
Dry (22%)	352	283	300	300	300	300	529	3,216	1,251	667	450	450
Critical (15%)	280	225	273	278	300	300	580	1,973	783	450	300	228

Alternative 7 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	0	-128	881	364	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	-19	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	-1	-13	21	-14	39	16	-8	0	0	5	-5	-5
Water Year Types[b]												
Wet (32%)	0	-29	68	-41	55	51	0	0	0	0	0	0
Above Normal (15%)	18	-25	0	0	38	0	-54	0	0	0	0	0
Below Normal (17%)	0	0	0	0	94	0	0	0	0	0	0	0
Dry (22%)	6	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	-31	0	-2	-9	0	0	0	0	0	37	-38	-37

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-14-24. Trinity River below Lewiston Reservoir, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	373	300	300	533	2,145	300	600	4,709	4,626	1,102	450	450
20%	373	300	300	300	300	300	540	4,709	4,626	1,102	450	450
30%	373	300	300	300	300	300	540	4,570	2,526	1,102	450	450
40%	373	300	300	300	300	300	540	4,570	2,526	1,102	450	450
50%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
60%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
70%	373	300	300	300	300	300	460	2,924	783	450	450	450
80%	373	300	300	300	300	300	460	2,924	783	450	450	450
90%	373	300	300	300	300	300	427	1,498	783	450	450	450
Long Term												
Full Simulation Period[a]	344	318	466	684	795	676	630	3,766	2,286	866	434	423
Water Year Types[b]												
Wet (32%)	373	414	837	1,518	1,495	1,385	844	4,620	3,560	1,103	450	450
Above Normal (15%)	311	275	300	300	784	519	513	4,416	3,188	1,048	450	450
Below Normal (17%)	346	300	300	300	568	300	504	3,865	1,767	916	450	450
Dry (22%)	346	283	300	300	300	300	529	3,216	1,251	667	450	450
Critical (15%)	311	225	275	287	300	300	580	1,973	783	413	338	265

Alternative 8 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	373	300	300	300	3,508	1,474	600	4,709	4,626	1,102	450	450
20%	373	300	300	300	300	300	540	4,709	4,626	1,102	450	450
30%	373	300	300	300	300	300	540	4,570	2,526	1,102	450	450
40%	373	300	300	300	300	300	521	4,570	2,526	1,102	450	450
50%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
60%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
70%	373	300	300	300	300	300	460	2,924	783	450	450	450
80%	373	300	300	300	300	300	460	2,924	783	450	450	450
90%	373	300	300	300	300	300	427	1,498	783	450	450	450
Long Term												
Full Simulation Period[a]	342	280	489	722	875	740	622	3,766	2,286	872	423	423
Water Year Types[b]												
Wet (32%)	373	300	923	1,641	1,765	1,585	844	4,620	3,560	1,103	450	450
Above Normal (15%)	314	275	300	300	748	519	458	4,416	3,188	1,048	450	450
Below Normal (17%)	346	300	300	300	563	300	504	3,865	1,767	916	450	450
Dry (22%)	352	283	297	300	300	300	529	3,216	1,251	667	450	450
Critical (15%)	280	216	247	277	300	300	580	1,973	783	450	263	267

Alternative 8 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	0	-233	1,364	1,174	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	-19	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	-3	-37	22	37	80	63	-8	0	0	5	-11	0
Water Year Types[b]												
Wet (32%)	0	-114	86	122	270	200	0	0	0	0	0	0
Above Normal (15%)	3	0	0	0	-35	0	-54	0	0	0	0	0
Below Normal (17%)	0	0	0	0	-5	0	0	0	0	0	0	0
Dry (22%)	6	0	-3	0	0	0	0	0	0	0	0	0
Critical (15%)	-31	-9	-28	-10	0	0	0	0	0	37	-75	2

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-14-25. Trinity River below Lewiston Reservoir, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	373	300	300	533	2,145	300	600	4,709	4,626	1,102	450	450
20%	373	300	300	300	300	300	540	4,709	4,626	1,102	450	450
30%	373	300	300	300	300	300	540	4,570	2,526	1,102	450	450
40%	373	300	300	300	300	300	540	4,570	2,526	1,102	450	450
50%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
60%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
70%	373	300	300	300	300	300	460	2,924	783	450	450	450
80%	373	300	300	300	300	300	460	2,924	783	450	450	450
90%	373	300	300	300	300	300	427	1,498	783	450	450	450
Long Term												
Full Simulation Period[a]	344	318	466	684	795	676	630	3,766	2,286	866	434	423
Water Year Types[b]												
Wet (32%)	373	414	837	1,518	1,495	1,385	844	4,620	3,560	1,103	450	450
Above Normal (15%)	311	275	300	300	784	519	513	4,416	3,188	1,048	450	450
Below Normal (17%)	346	300	300	300	568	300	504	3,865	1,767	916	450	450
Dry (22%)	346	283	300	300	300	300	529	3,216	1,251	667	450	450
Critical (15%)	311	225	275	287	300	300	580	1,973	783	413	338	265

Alternative 9 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	373	300	300	300	2,031	300	600	4,709	4,626	1,102	450	450
20%	373	300	300	300	300	300	540	4,709	4,626	1,102	450	450
30%	373	300	300	300	300	300	540	4,570	2,526	1,102	450	450
40%	373	300	300	300	300	300	540	4,570	2,526	1,102	450	450
50%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
60%	373	300	300	300	300	300	493	4,189	2,120	1,102	450	450
70%	373	300	300	300	300	300	460	2,924	783	450	450	450
80%	373	300	300	300	300	300	460	2,924	783	450	450	450
90%	373	300	300	300	300	300	427	1,498	783	450	450	450
Long Term												
Full Simulation Period[a]	346	322	469	674	752	676	630	3,766	2,286	866	428	423
Water Year Types[b]												
Wet (32%)	373	416	845	1,490	1,460	1,385	844	4,620	3,560	1,103	450	450
Above Normal (15%)	311	275	300	300	746	519	515	4,416	3,188	1,048	450	450
Below Normal (17%)	346	300	300	300	409	300	504	3,865	1,767	916	450	450
Dry (22%)	352	283	300	300	300	300	529	3,216	1,251	667	450	450
Critical (15%)	311	250	272	278	300	300	580	1,973	783	413	300	265

Alternative 9 (LLT) minus No Action Alternative (LLT)

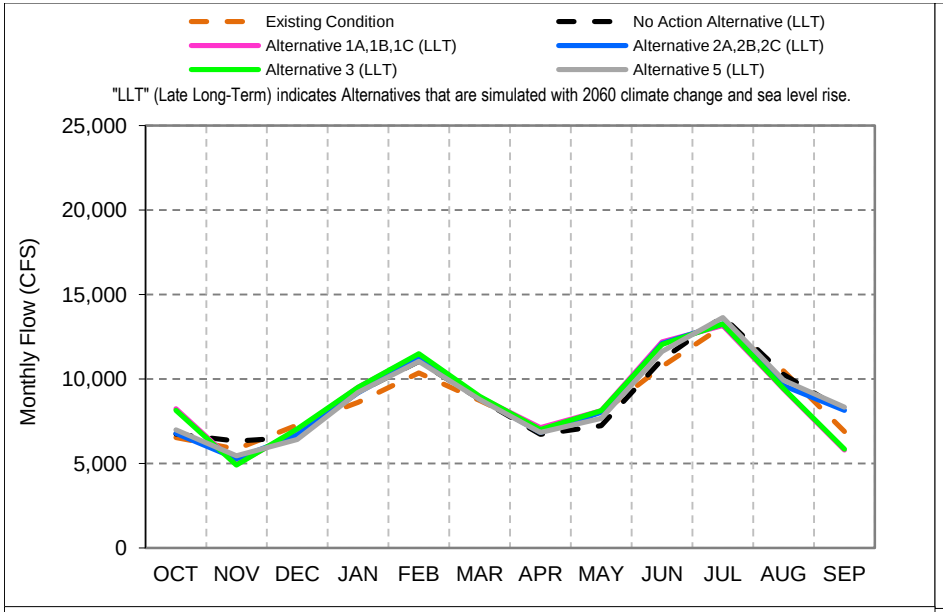
	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	0	-233	-113	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	1	4	2	-10	-44	0	0	0	0	0	-5	0
Water Year Types[b]												
Wet (32%)	0	2	8	-28	-35	0	0	0	0	0	0	0
Above Normal (15%)	0	0	0	0	-38	0	3	0	0	0	0	0
Below Normal (17%)	0	0	0	0	-159	0	0	0	0	0	0	0
Dry (22%)	6	0	0	0	0	0	0	0	0	0	0	0
Critical (15%)	0	25	-3	-9	0	0	0	0	0	0	-37	0

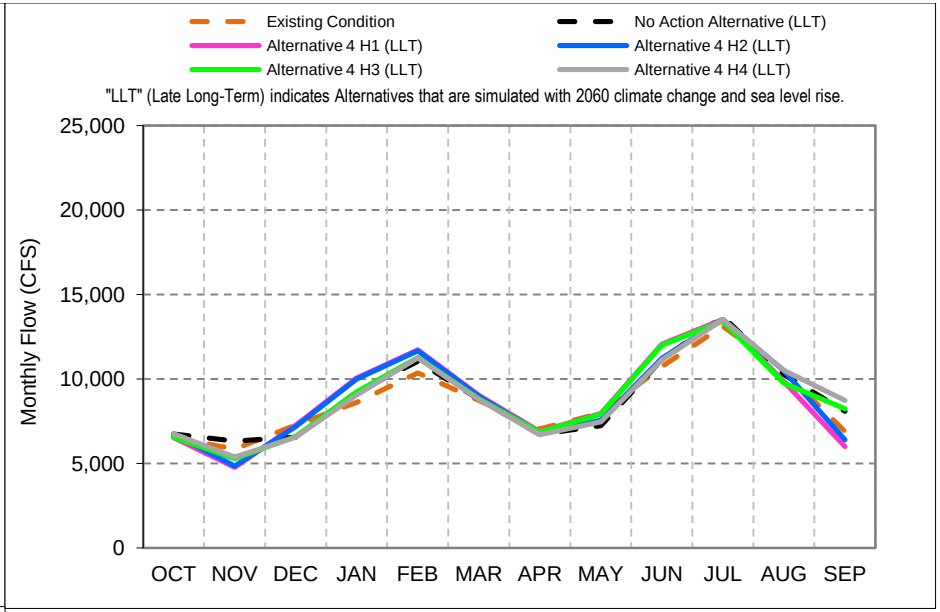
Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

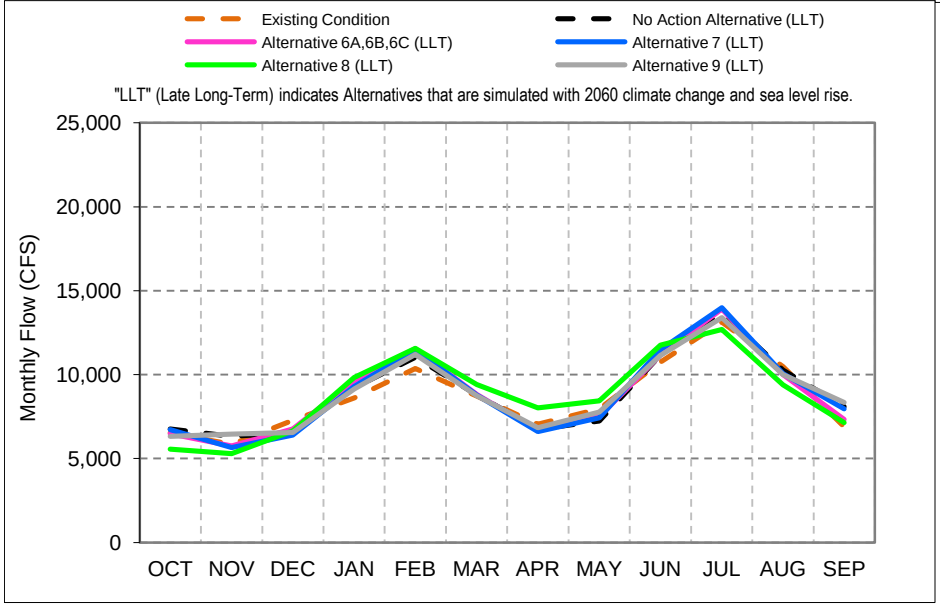
a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

C.15. Sacramento River Flow downstream of Keswick Reservoir



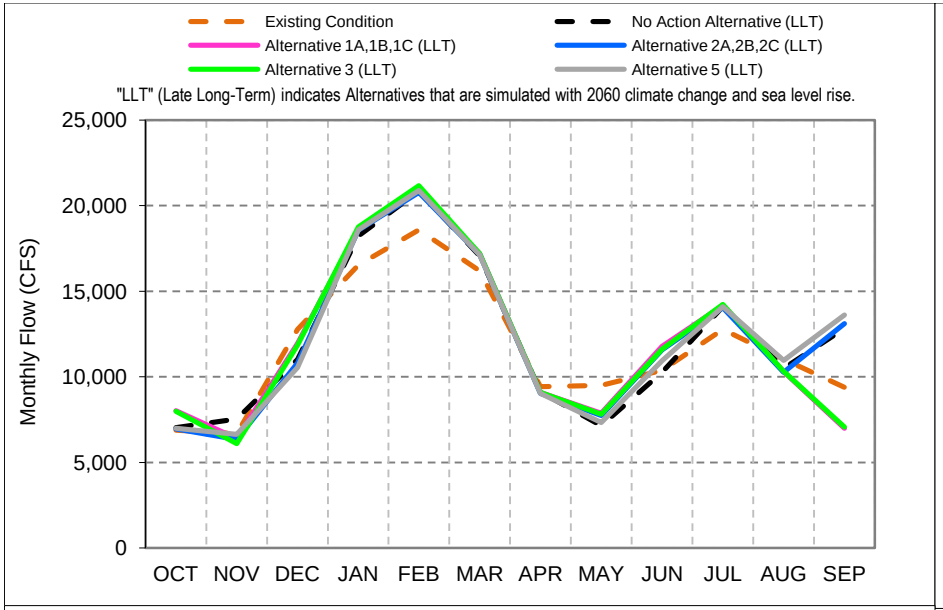


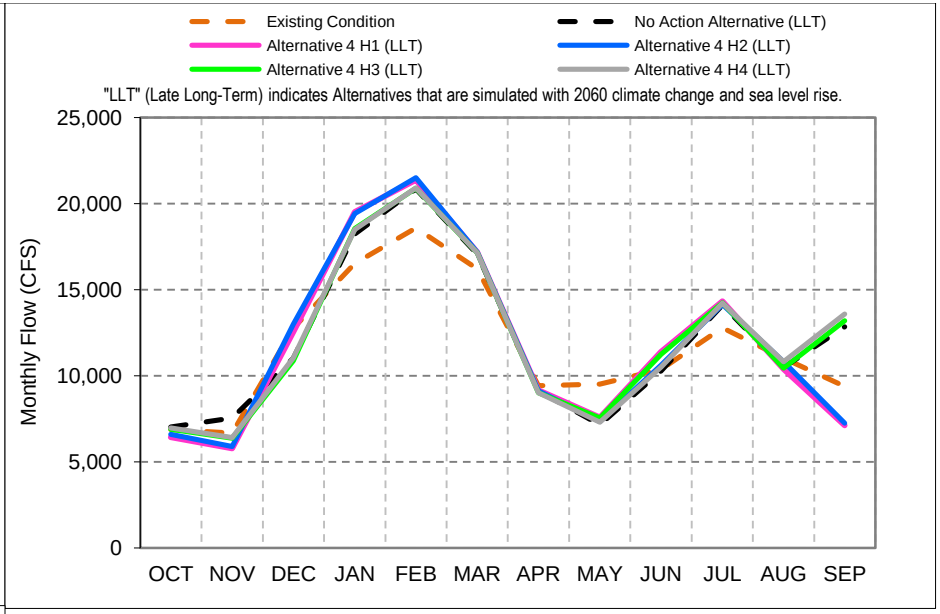


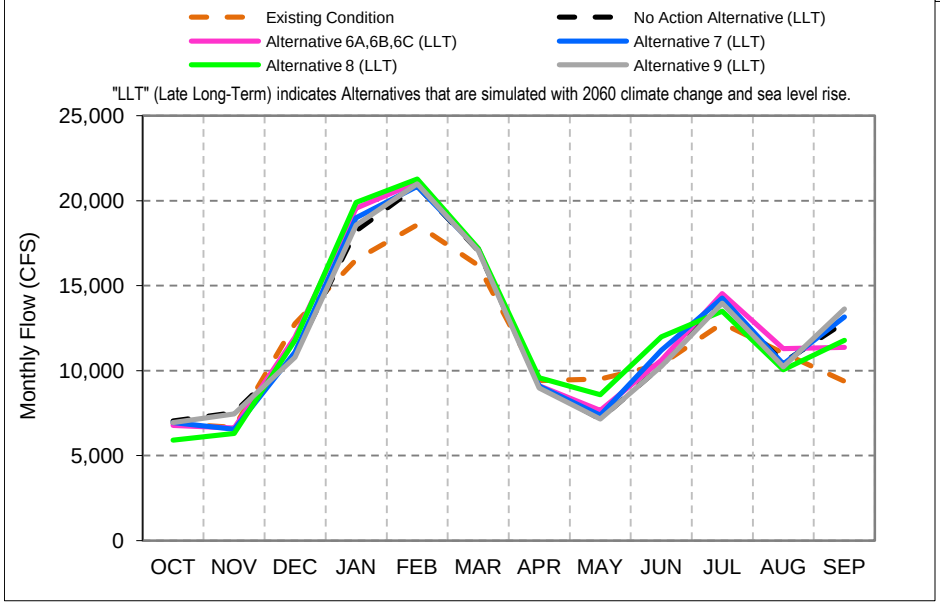
Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-15-1. Sacramento River d/s of Keswick Reservoir, Long-Term Average Flow





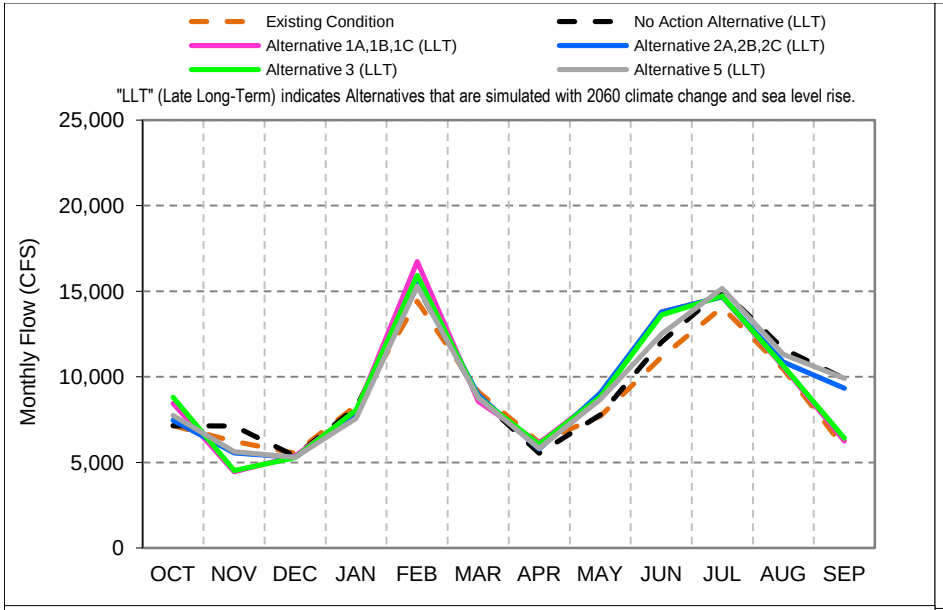


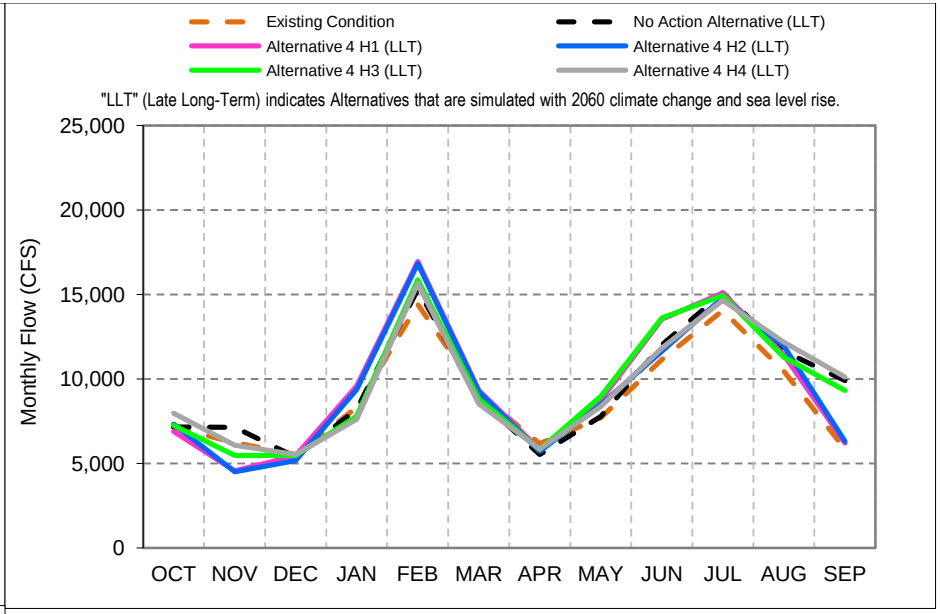
Alternative 4 Scenario Definitions:

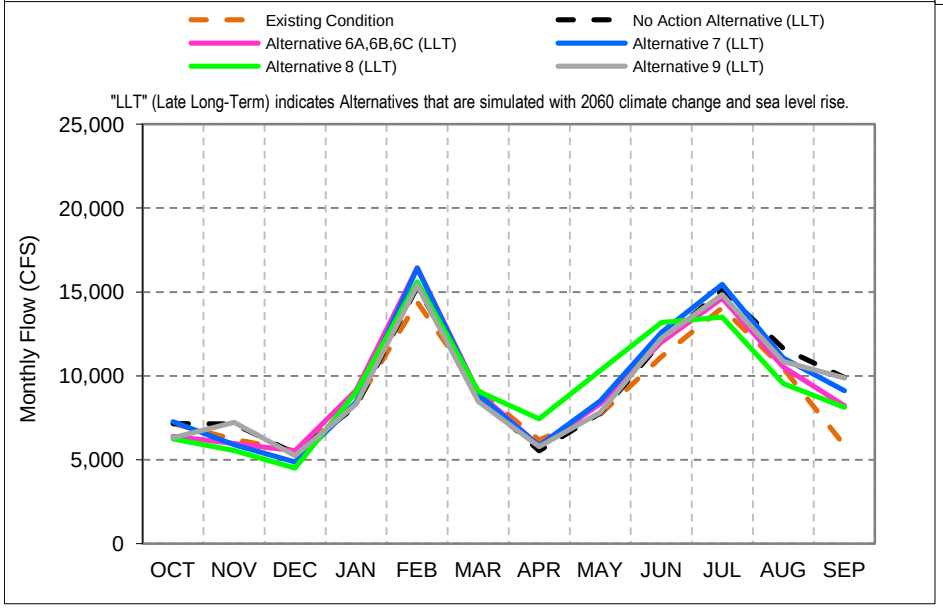
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-15-2. Sacramento River d/s of Keswick Reservoir, Wet Year* Average Flow





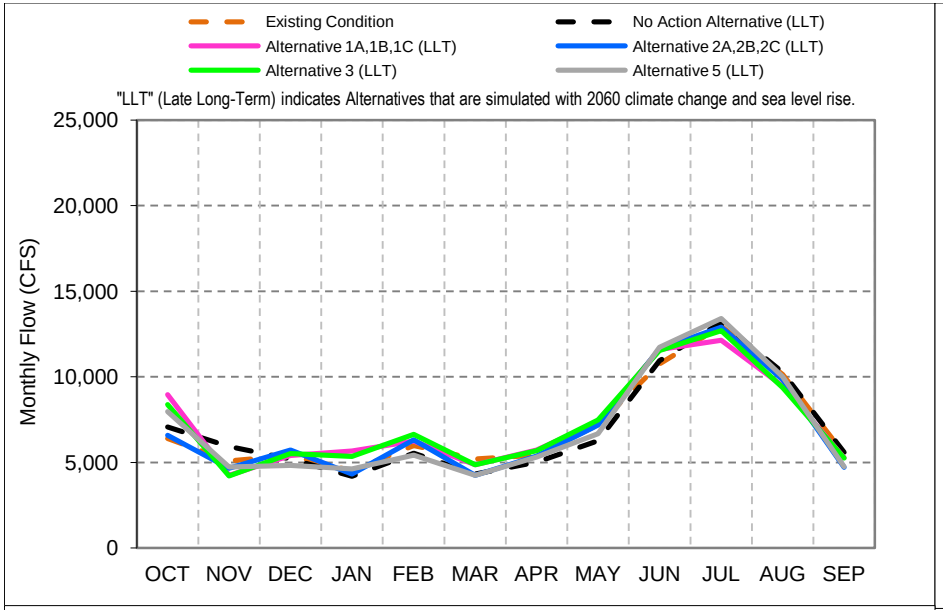


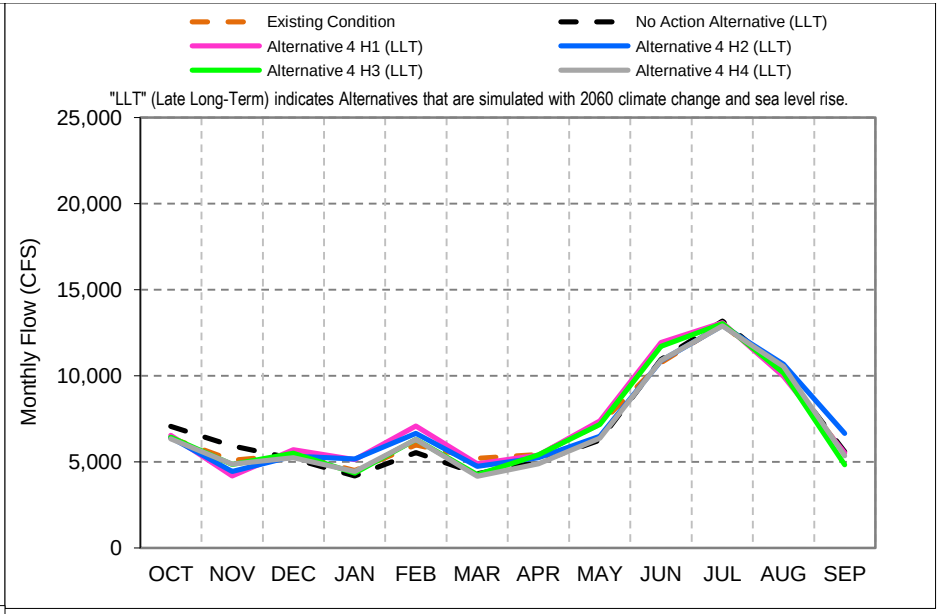
Alternative 4 Scenario Definitions:

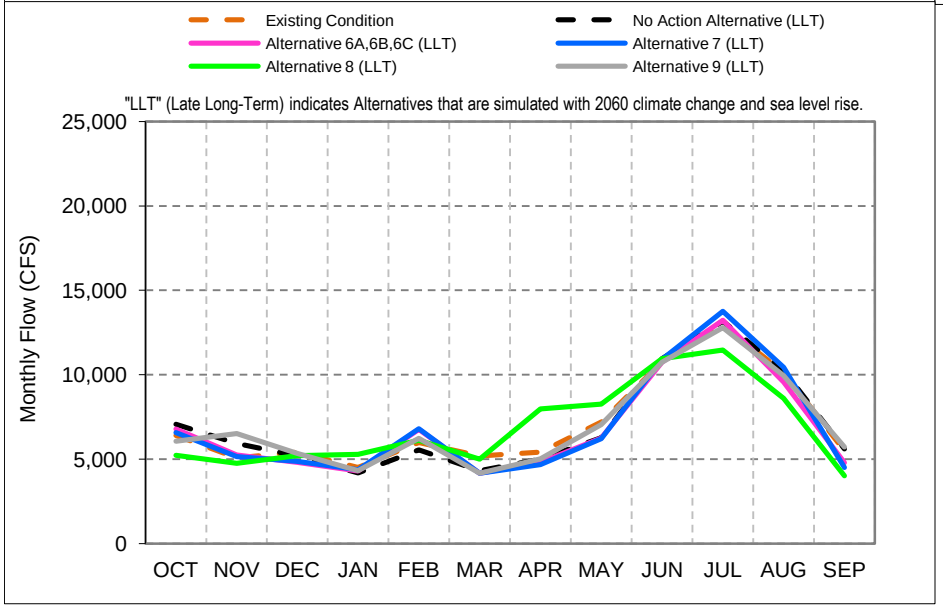
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-15-3. Sacramento River d/s of Keswick Reservoir, Above Normal Year* Average Flow





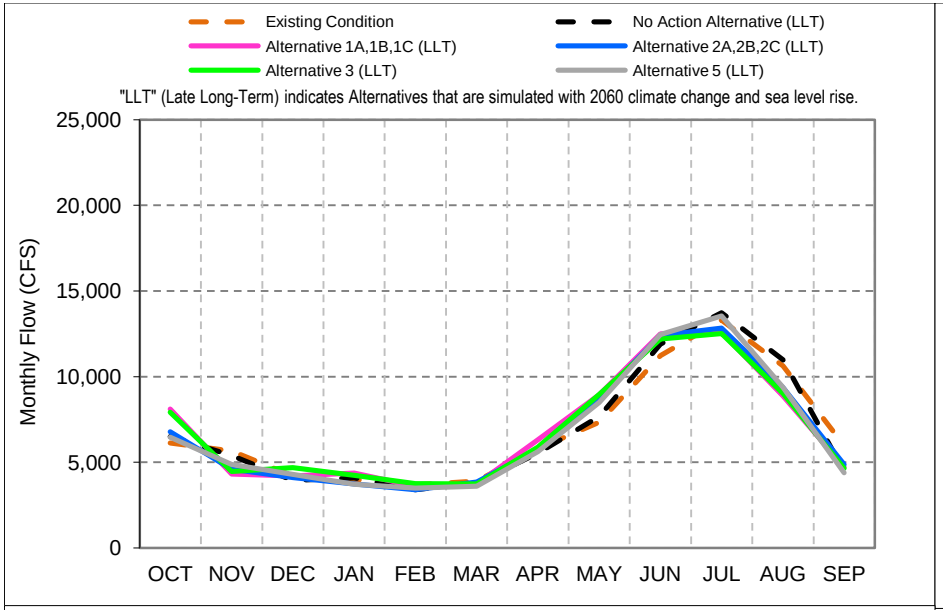


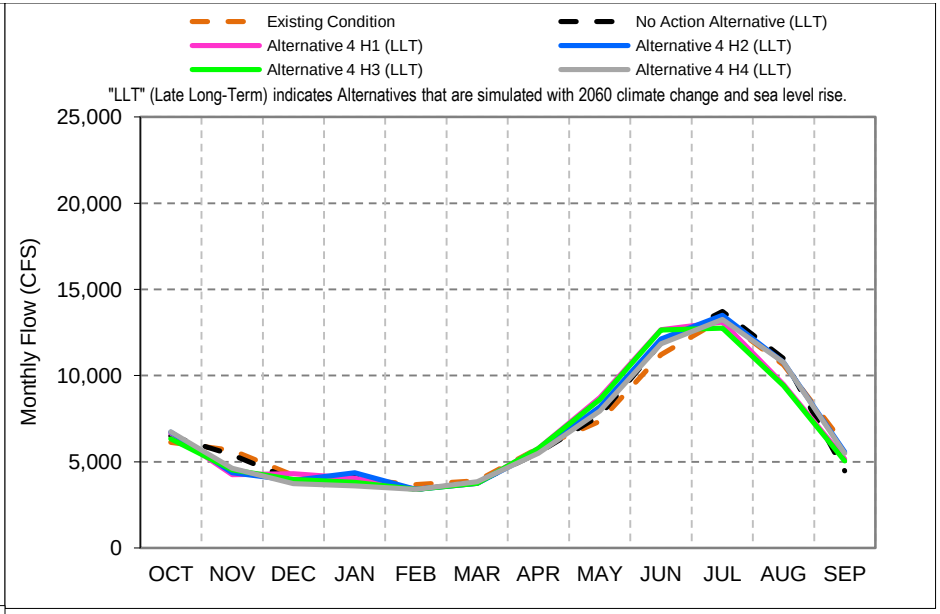
Alternative 4 Scenario Definitions:

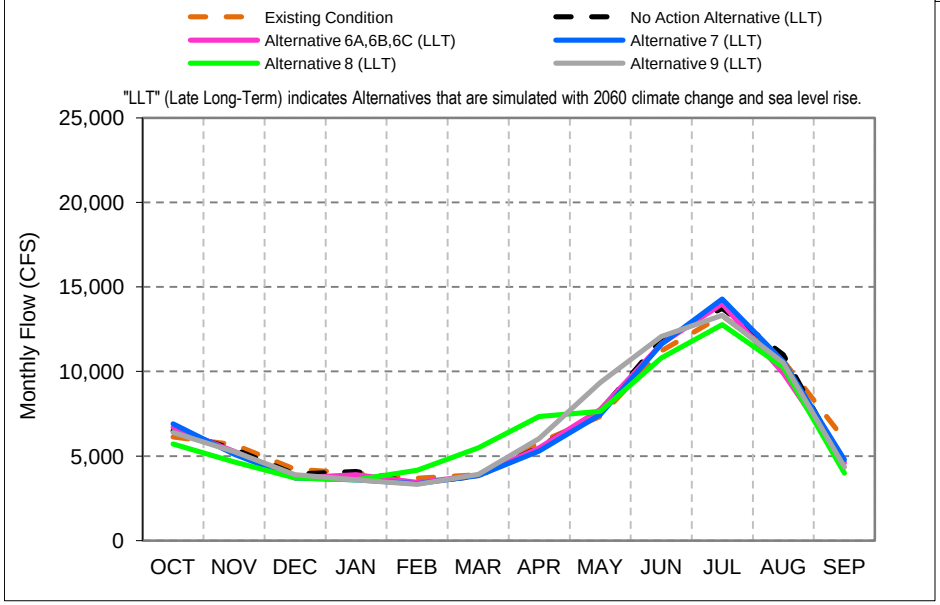
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-15-4. Sacramento River d/s of Keswick Reservoir, Below Normal Year* Average Flow





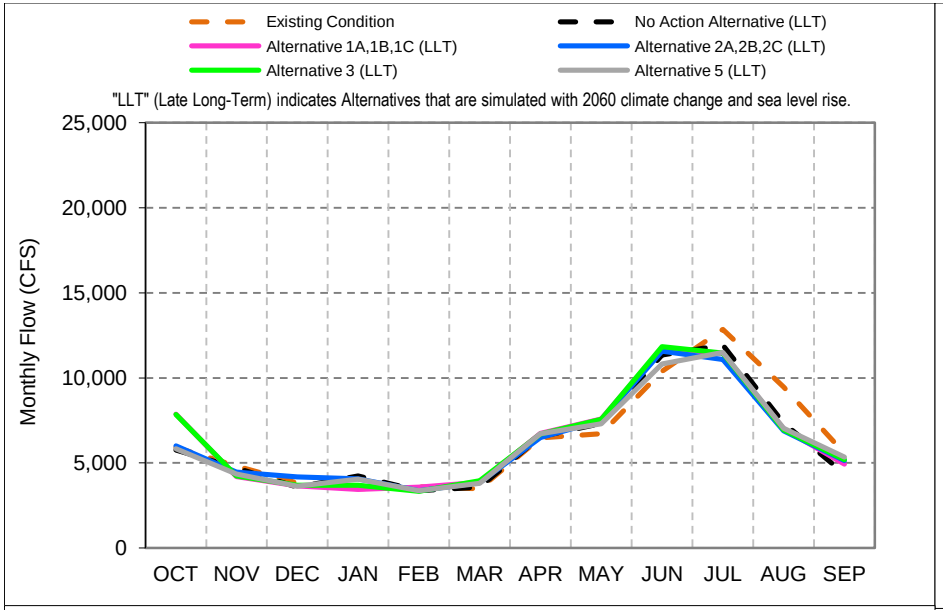


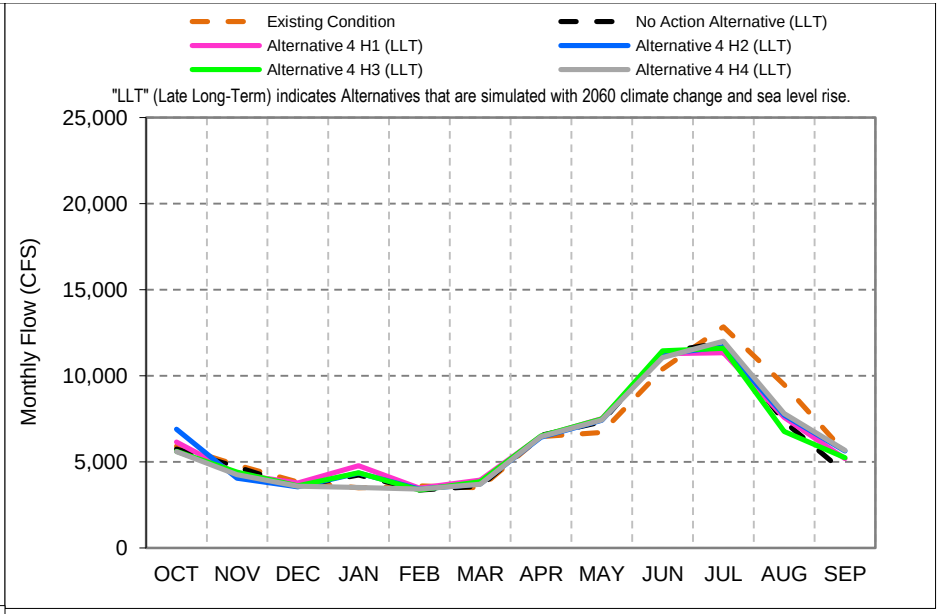
Alternative 4 Scenario Definitions:

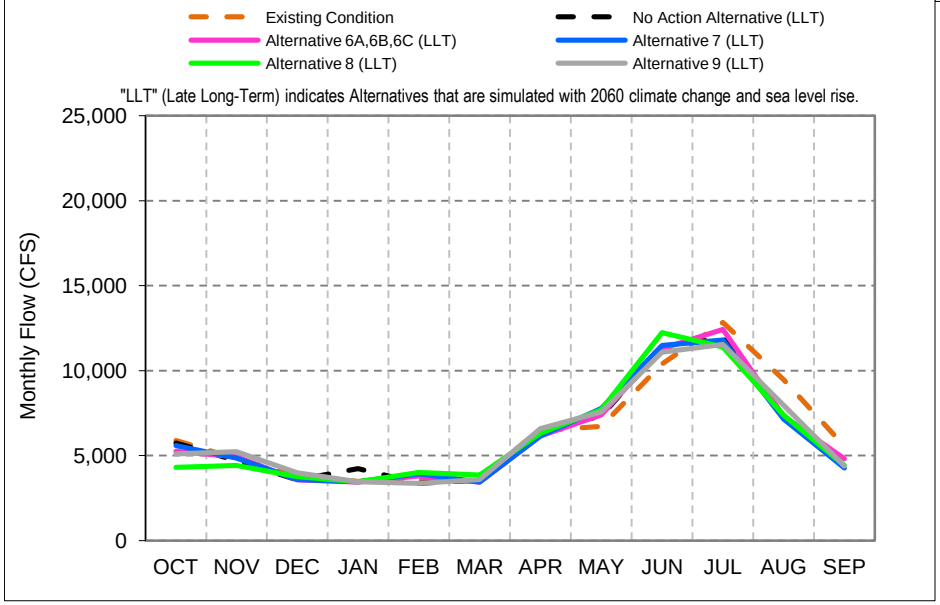
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-15-5. Sacramento River d/s of Keswick Reservoir, Dry Year* Average Flow







Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-15-6. Sacramento River d/s of Keswick Reservoir, Critical Year* Average Flow

Table C-15-1. Sacramento River d/s of Keswick Reservoir, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,030	8,982	16,051	20,739	27,408	18,579	11,598	10,914	12,553	15,000	12,504	11,338
20%	8,603	7,059	10,673	12,895	18,724	12,828	8,284	9,139	11,890	15,000	11,520	9,366
30%	7,428	5,589	6,361	7,627	9,363	8,789	7,178	9,000	11,423	14,362	11,129	7,140
40%	6,433	5,290	4,541	4,500	5,748	4,500	6,443	8,151	11,013	13,601	10,718	6,398
50%	6,101	4,915	4,260	4,355	4,500	4,500	5,881	7,655	10,382	13,031	10,501	5,982
60%	5,811	4,693	4,000	3,805	3,878	3,578	5,595	7,171	10,016	12,617	10,110	5,536
70%	5,542	4,398	3,946	3,439	3,250	3,250	4,674	6,536	9,690	12,114	9,688	5,215
80%	5,071	4,243	3,466	3,250	3,250	3,250	4,500	6,116	9,405	11,744	9,222	5,002
90%	4,569	3,634	3,250	3,250	3,250	3,250	3,390	5,453	8,843	10,948	8,638	4,586
Long Term												
Full Simulation Period[a]	6,530	5,845	7,267	8,614	10,355	8,728	7,038	7,967	10,742	13,123	10,476	6,899
Water Year Types[b]												
Wet (32%)	6,886	6,672	12,766	16,526	18,577	16,200	9,418	9,508	10,375	12,779	11,029	9,385
Above Normal (15%)	7,145	6,224	5,531	8,318	14,409	9,131	6,182	7,709	11,147	14,056	10,449	5,862
Below Normal (17%)	6,396	5,088	5,413	4,502	5,981	5,200	5,426	7,193	10,758	12,965	10,139	5,492
Dry (22%)	6,128	5,669	4,215	3,996	3,684	3,903	5,803	7,349	11,224	13,302	10,627	5,985
Critical (15%)	5,902	4,822	3,828	3,490	3,599	3,487	6,472	6,715	10,392	12,849	9,473	5,563

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,552	10,388	16,297	20,731	30,081	20,167	10,223	10,849	14,209	15,000	12,290	14,750
20%	8,567	9,100	7,205	11,727	21,836	12,767	7,995	8,717	13,151	15,000	11,791	12,938
30%	7,800	7,335	4,796	9,386	9,054	7,710	6,649	7,885	12,368	15,000	11,454	10,764
40%	7,209	5,980	4,326	4,500	4,500	4,500	6,119	7,428	11,643	15,000	10,867	8,654
50%	6,558	4,920	4,000	4,482	4,500	4,500	5,443	6,832	10,924	14,614	10,472	6,372
60%	6,046	4,411	3,830	3,947	3,565	3,753	4,803	6,353	10,506	13,901	10,065	5,448
70%	5,645	4,070	3,516	3,251	3,250	3,250	4,500	6,003	9,933	12,809	9,708	4,651
80%	4,746	4,000	3,270	3,250	3,250	3,250	4,500	5,452	9,142	12,171	9,316	4,401
90%	4,000	3,488	3,250	3,250	3,250	3,250	3,719	5,152	8,411	10,946	7,947	3,931
Long Term												
Full Simulation Period[a]	6,752	6,324	6,557	9,215	11,039	8,800	6,733	7,233	11,160	13,689	10,269	8,094
Water Year Types[b]												
Wet (32%)	7,034	7,539	11,022	18,233	20,853	17,065	9,131	7,149	10,274	14,098	10,491	12,833
Above Normal (15%)	7,152	7,134	5,377	8,205	15,297	8,818	5,536	7,783	12,032	15,098	11,641	9,898
Below Normal (17%)	7,072	5,936	5,195	4,184	5,544	4,318	5,009	6,272	10,947	13,177	10,261	5,601
Dry (22%)	6,494	5,406	3,936	4,096	3,410	3,814	5,533	7,681	11,898	13,727	10,986	4,469
Critical (15%)	5,752	4,710	3,582	4,238	3,372	3,583	6,550	7,316	11,350	11,935	7,348	4,368

No Action Alternative (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	522	1,406	247	-8	2,672	1,588	-1,375	-65	1,656	0	-214	3,412
20%	-37	2,041	-3,468	-1,168	3,112	-61	-289	-422	1,261	0	270	3,572
30%	372	1,746	-1,565	1,759	-309	-1,079	-529	-1,115	945	638	325	3,624
40%	777	691	-215	0	-1,248	0	-324	-723	630	1,399	150	2,256
50%	457	5	-260	127	0	0	-438	-823	543	1,583	-29	390
60%	235	-281	-170	142	-314	175	-792	-817	490	1,284	-45	-88
70%	104	-327	-430	-187	0	0	-174	-533	243	694	20	-565
80%	-325	-243	-196	0	0	0	0	-664	-263	427	94	-601
90%	-569	-146	0	0	0	0	330	-301	-433	-1	-691	-654
Long Term												
Full Simulation Period[a]	222	479	-710	602	684	72	-305	-733	418	566	-208	1,195
Water Year Types[b]												
Wet (32%)	149	867	-1,743	1,707	2,276	865	-287	-2,359	-101	1,318	-539	3,448
Above Normal (15%)	7	910	-154	-113	888	-313	-646	75	885	1,041	1,192	4,036
Below Normal (17%)	676	848	-218	-318	-437	-882	-418	-921	189	212	122	109
Dry (22%)	366	-263	-279	100	-274	-90	-270	333	674	425	359	-1,517
Critical (15%)	-151	-113	-246	748	-226	96	79	600	958	-915	-2,125	-1,195

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-15-2. Sacramento River d/s of Keswick Reservoir, Monthly Flow

Existing Condition

Statistic	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,030	8,982	16,051	20,739	27,408	18,579	11,598	10,914	12,553	15,000	12,504	11,338
20%	8,603	7,059	10,673	12,895	18,724	12,828	8,284	9,139	11,890	15,000	11,520	9,366
30%	7,428	5,589	6,361	7,627	9,363	8,789	7,178	9,000	11,423	14,362	11,129	7,140
40%	6,433	5,290	4,541	4,500	5,748	4,500	6,443	8,151	11,013	13,601	10,718	6,398
50%	6,101	4,915	4,260	4,355	4,500	4,500	5,881	7,655	10,382	13,031	10,501	5,982
60%	5,811	4,693	4,000	3,805	3,878	3,578	5,595	7,171	10,016	12,617	10,110	5,536
70%	5,542	4,398	3,946	3,439	3,250	3,250	4,674	6,536	9,690	12,114	9,688	5,215
80%	5,071	4,243	3,466	3,250	3,250	3,250	4,500	6,116	9,405	11,744	9,222	5,002
90%	4,569	3,634	3,250	3,250	3,250	3,250	3,390	5,453	8,843	10,948	8,638	4,586
Long Term												
Full Simulation Period[a]	6,530	5,845	7,267	8,614	10,355	8,728	7,038	7,967	10,742	13,123	10,476	6,899
Water Year Types[b]												
Wet (32%)	6,886	6,672	12,766	16,526	18,577	16,200	9,418	9,508	10,375	12,779	11,029	9,385
Above Normal (15%)	7,145	6,224	5,531	8,318	14,409	9,131	6,182	7,709	11,147	14,056	10,449	5,862
Below Normal (17%)	6,396	5,088	5,413	4,502	5,981	5,200	5,426	7,193	10,758	12,965	10,139	5,492
Dry (22%)	6,128	5,669	4,215	3,996	3,684	3,903	5,803	7,349	11,224	13,302	10,627	5,985
Critical (15%)	5,902	4,822	3,828	3,490	3,599	3,487	6,472	6,715	10,392	12,849	9,473	5,563

Alternative 1A,1B,1C (LLT)

Statistic	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	14,788	5,796	16,623	20,427	30,081	20,172	10,582	11,905	15,000	15,000	11,449	7,237
20%	12,371	4,939	8,740	10,789	22,169	12,351	8,918	9,870	14,679	15,000	10,863	6,923
30%	10,127	4,646	6,097	9,195	9,838	8,417	7,674	9,183	13,824	15,000	10,325	6,550
40%	8,718	4,456	4,377	6,462	4,782	4,546	6,630	8,518	13,202	14,684	9,957	6,226
50%	7,749	4,172	4,000	4,500	4,500	4,500	6,064	7,729	12,444	13,980	9,642	5,804
60%	6,665	4,000	4,000	4,247	4,115	4,007	5,431	7,088	11,813	12,818	9,261	5,603
70%	5,698	4,000	3,695	3,644	3,264	3,404	4,541	6,471	11,034	12,167	8,654	5,067
80%	4,386	4,000	3,408	3,250	3,250	3,250	4,500	6,074	10,052	11,115	8,125	4,373
90%	3,904	3,488	3,250	3,250	3,250	3,250	3,772	5,350	8,515	10,077	7,475	3,921
Long Term												
Full Simulation Period[a]	8,242	4,968	6,958	9,503	11,442	8,924	7,127	8,124	12,195	13,155	9,403	5,794
Water Year Types[b]												
Wet (32%)	8,025	6,401	11,953	18,615	20,844	17,202	9,088	7,871	11,776	14,172	10,302	6,998
Above Normal (15%)	8,462	4,457	5,376	7,987	16,741	8,558	6,137	8,868	13,789	14,686	10,580	6,253
Below Normal (17%)	8,950	4,241	5,412	5,666	6,245	4,873	5,722	7,346	11,599	12,134	9,462	5,284
Dry (22%)	8,106	4,319	4,206	4,371	3,609	3,732	6,308	8,957	12,498	12,593	8,874	4,722
Critical (15%)	7,875	4,196	3,645	3,452	3,586	3,867	6,733	7,586	11,750	11,451	7,004	4,927

Alternative 1A,1B,1C (LLT) minus Existing Condition

Statistic	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	5,758	**-3,186**	572	**-313**	2,672	1,593	**-1,017**	991	2,447	0	**-1,055**	**-4,102**
20%	3,767	**-2,120**	**-1,933**	**-2,106**	3,445	**-477**	635	731	2,789	0	**-657**	**-2,443**
30%	2,699	**-943**	**-265**	1,568	475	**-372**	495	182	2,401	638	**-804**	**-591**
40%	2,285	**-833**	**-164**	1,962	**-966**	46	187	367	2,189	1,083	**-761**	**-172**
50%	1,648	**-743**	**-260**	145	0	0	183	74	2,063	949	**-858**	**-178**
60%	854	**-693**	0	441	237	429	**-165**	**-83**	1,798	201	**-849**	67
70%	157	**-398**	**-251**	206	14	154	**-133**	**-65**	1,344	53	**-1,034**	**-148**
80%	**-686**	**-243**	**-58**	0	0	0	0	**-42**	647	**-629**	**-1,097**	**-629**
90%	**-665**	**-146**	**0**	0	0	0	382	**-103**	**-328**	**-871**	**-1,162**	**-664**
Long Term												
Full Simulation Period[a]	1,713	**-877**	**-309**	890	1,087	196	88	157	1,453	32	**-1,073**	**-1,106**
Water Year Types[b]												
Wet (32%)	1,139	**-271**	**-812**	2,089	2,267	1,002	**-330**	**-1,637**	1,401	1,393	**-727**	**-2,387**
Above Normal (15%)	1,317	**-1,767**	**-155**	**-330**	2,332	**-573**	**-45**	1,159	2,642	629	131	390
Below Normal (17%)	2,553	**-846**	**-1**	1,164	263	**-327**	296	153	840	**-831**	**-677**	**-209**
Dry (22%)	1,977	**-1,350**	**-8**	376	**-74**	**-171**	505	1,608	1,274	**-709**	**-1,754**	**-1,263**
Critical (15%)	1,973	**-627**	**-183**	**-38**	**-12**	380	261	871	1,358	**-1,399**	**-2,469**	**-635**

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-15-3. Sacramento River d/s of Keswick Reservoir, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,030	8,982	16,051	20,739	27,408	18,579	11,598	10,914	12,553	15,000	12,504	11,338
20%	8,603	7,059	10,673	12,895	18,724	12,828	8,284	9,139	11,890	15,000	11,520	9,366
30%	7,428	5,589	6,361	7,627	9,363	8,789	7,178	9,000	11,423	14,362	11,129	7,140
40%	6,433	5,290	4,541	4,500	5,748	4,500	6,443	8,151	11,013	13,601	10,718	6,398
50%	6,101	4,915	4,260	4,355	4,500	4,500	5,881	7,655	10,382	13,031	10,501	5,982
60%	5,811	4,693	4,000	3,805	3,878	3,578	5,595	7,171	10,016	12,617	10,110	5,536
70%	5,542	4,398	3,946	3,439	3,250	3,250	4,674	6,536	9,690	12,114	9,688	5,215
80%	5,071	4,243	3,466	3,250	3,250	3,250	4,500	6,116	9,405	11,744	9,222	5,002
90%	4,569	3,634	3,250	3,250	3,250	3,250	3,390	5,453	8,843	10,948	8,638	4,586
Long Term												
Full Simulation Period[a]	6,530	5,845	7,267	8,614	10,355	8,728	7,038	7,967	10,742	13,123	10,476	6,899
Water Year Types[b]												
Wet (32%)	6,886	6,672	12,766	16,526	18,577	16,200	9,418	9,508	10,375	12,779	11,029	9,385
Above Normal (15%)	7,145	6,224	5,531	8,318	14,409	9,131	6,182	7,709	11,147	14,056	10,449	5,862
Below Normal (17%)	6,396	5,088	5,413	4,502	5,981	5,200	5,426	7,193	10,758	12,965	10,139	5,492
Dry (22%)	6,128	5,669	4,215	3,996	3,684	3,903	5,803	7,349	11,224	13,302	10,627	5,985
Critical (15%)	5,902	4,822	3,828	3,490	3,599	3,487	6,472	6,715	10,392	12,849	9,473	5,563

Alternative 2A,2B,2C (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,702	7,545	15,132	20,808	30,081	20,167	10,240	11,629	14,982	15,000	11,835	14,605
20%	8,667	5,995	9,158	12,408	20,852	12,351	8,514	10,128	14,232	15,000	10,991	12,756
30%	7,975	5,114	4,858	8,258	10,397	8,280	7,076	9,120	13,650	15,000	10,531	11,403
40%	7,268	4,724	4,208	4,500	4,742	4,500	6,052	8,031	12,979	14,974	10,232	8,694
50%	6,651	4,542	4,000	4,482	4,500	4,500	5,697	7,587	12,355	13,848	9,920	7,153
60%	6,085	4,266	4,000	3,947	3,600	4,007	4,915	6,872	11,627	13,466	9,439	5,213
70%	5,609	4,000	3,669	3,266	3,250	3,250	4,500	6,297	11,019	12,561	8,902	4,625
80%	4,780	4,000	3,413	3,250	3,250	3,250	4,500	5,859	10,060	11,274	8,256	4,221
90%	4,000	3,489	3,250	3,250	3,250	3,250	3,721	5,214	8,568	9,959	7,393	3,779
Long Term												
Full Simulation Period[a]	6,789	5,284	6,692	9,179	11,192	8,879	6,844	8,027	12,093	13,248	9,595	8,153
Water Year Types[b]												
Wet (32%)	6,954	6,350	10,803	18,565	20,779	17,152	9,042	7,752	11,585	14,048	10,275	13,114
Above Normal (15%)	7,470	5,562	5,301	7,772	15,609	8,935	5,779	9,049	13,776	14,688	10,874	9,331
Below Normal (17%)	6,578	4,655	5,728	4,315	6,318	4,246	5,375	7,180	11,636	12,911	9,839	4,723
Dry (22%)	6,789	4,604	4,113	3,745	3,408	3,858	5,756	8,756	12,402	12,833	9,368	4,874
Critical (15%)	5,997	4,454	4,171	4,073	3,364	3,835	6,493	7,496	11,580	11,087	6,896	5,145

Alternative 2A,2B,2C (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	672	-1,438	-918	68	2,672	1,588	-1,358	715	2,429	0	-669	3,266
20%	64	-1,064	-1,515	-487	2,128	-477	230	989	2,342	0	-529	3,390
30%	548	-475	-1,503	630	1,035	-508	-102	120	2,227	638	-598	4,262
40%	835	-566	-333	0	-1,007	0	-392	-120	1,966	1,373	-486	2,296
50%	551	-373	-260	127	0	0	-183	-68	1,973	816	-580	1,171
60%	274	-426	0	142	-279	429	-680	-298	1,612	849	-671	-323
70%	68	-398	-277	-172	0	0	-174	-239	1,329	447	-786	-590
80%	-291	-243	-52	0	0	0	0	-257	655	-470	-966	-780
90%	-569	-145	0	0	0	0	332	-238	-275	-989	-1,245	-806
Long Term												
Full Simulation Period[a]	259	-561	-574	565	837	151	-194	60	1,350	125	-882	1,253
Water Year Types[b]												
Wet (32%)	69	-323	-1,963	2,039	2,202	952	-375	-1,756	1,209	1,269	-755	3,729
Above Normal (15%)	325	-662	-230	-545	1,200	-196	-403	1,340	2,629	632	425	3,469
Below Normal (17%)	182	-432	315	-186	337	-954	-52	-13	877	-54	-300	-769
Dry (22%)	660	-1,065	-101	-251	-275	-45	-46	1,408	1,178	-469	-1,259	-1,111
Critical (15%)	95	-369	343	583	-235	348	22	780	1,188	-1,762	-2,577	-418

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-15-4. Sacramento River d/s of Keswick Reservoir, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,030	8,982	16,051	20,739	27,408	18,579	11,598	10,914	12,553	15,000	12,504	11,338
20%	8,603	7,059	10,673	12,895	18,724	12,828	8,284	9,139	11,890	15,000	11,520	9,366
30%	7,428	5,589	6,361	7,627	9,363	8,789	7,178	9,000	11,423	14,362	11,129	7,140
40%	6,433	5,290	4,541	4,500	5,748	4,500	6,443	8,151	11,013	13,601	10,718	6,398
50%	6,101	4,915	4,260	4,355	4,500	4,500	5,881	7,655	10,382	13,031	10,501	5,982
60%	5,811	4,693	4,000	3,805	3,878	3,578	5,595	7,171	10,016	12,617	10,110	5,536
70%	5,542	4,398	3,946	3,439	3,250	3,250	4,674	6,536	9,690	12,114	9,688	5,215
80%	5,071	4,243	3,466	3,250	3,250	3,250	4,500	6,116	9,405	11,744	9,222	5,002
90%	4,569	3,634	3,250	3,250	3,250	3,250	3,390	5,453	8,843	10,948	8,638	4,586
Long Term												
Full Simulation Period[a]	6,530	5,845	7,267	8,614	10,355	8,728	7,038	7,967	10,742	13,123	10,476	6,899
Water Year Types[b]												
Wet (32%)	6,886	6,672	12,766	16,526	18,577	16,200	9,418	9,508	10,375	12,779	11,029	9,385
Above Normal (15%)	7,145	6,224	5,531	8,318	14,409	9,131	6,182	7,709	11,147	14,056	10,449	5,862
Below Normal (17%)	6,396	5,088	5,413	4,502	5,981	5,200	5,426	7,193	10,758	12,965	10,139	5,492
Dry (22%)	6,128	5,669	4,215	3,996	3,684	3,903	5,803	7,349	11,224	13,302	10,627	5,985
Critical (15%)	5,902	4,822	3,828	3,490	3,599	3,487	6,472	6,715	10,392	12,849	9,473	5,563

Alternative 3 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	13,789	5,711	16,690	20,735	30,081	20,167	10,582	11,916	14,973	15,000	11,473	7,505
20%	11,772	4,938	9,108	11,863	20,428	12,351	8,851	10,173	14,487	15,000	10,971	7,158
30%	10,248	4,635	5,906	9,197	9,834	8,802	7,510	9,125	13,425	15,000	10,371	6,725
40%	8,193	4,468	4,370	6,737	6,262	4,616	6,472	8,737	12,880	14,979	10,009	6,196
50%	7,416	4,230	4,000	4,500	4,500	4,500	5,739	7,730	12,322	14,103	9,586	5,687
60%	6,739	4,007	4,000	4,119	3,988	4,129	5,242	7,002	11,778	13,069	9,259	5,347
70%	5,667	4,000	3,662	3,538	3,285	3,426	4,500	6,343	10,850	12,173	8,600	5,066
80%	4,309	4,000	3,402	3,250	3,250	3,250	4,500	5,978	10,107	11,201	8,205	4,438
90%	3,763	3,446	3,250	3,250	3,250	3,250	3,721	5,448	8,547	10,155	7,419	3,887
Long Term												
Full Simulation Period[a]	8,138	4,916	7,044	9,509	11,490	8,973	7,013	8,126	12,052	13,262	9,427	5,857
Water Year Types[b]												
Wet (32%)	7,984	6,096	11,856	18,760	21,163	17,207	9,089	7,824	11,605	14,236	10,327	7,066
Above Normal (15%)	8,802	4,524	5,276	8,054	15,935	8,788	6,062	8,823	13,622	14,721	10,634	6,412
Below Normal (17%)	8,371	4,211	5,523	5,344	6,636	4,868	5,684	7,481	11,535	12,706	9,373	5,251
Dry (22%)	7,926	4,475	4,695	4,237	3,761	3,747	5,886	8,971	12,202	12,516	9,019	4,651
Critical (15%)	7,851	4,233	3,688	3,689	3,341	3,945	6,709	7,567	11,829	11,459	6,947	5,194

Alternative 3 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4,759	**-3,272**	639	**-4**	2,672	1,588	**-1,017**	1,002	2,420	0	**-1,030**	**-3,833**
20%	3,169	**-2,121**	**-1,565**	**-1,031**	1,704	**-477**	567	1,034	2,597	0	**-550**	**-2,208**
30%	2,820	**-954**	**-455**	1,570	472	14	332	125	2,002	638	**-757**	**-415**
40%	1,760	**-822**	**-170**	2,237	514	116	29	587	1,867	1,378	**-709**	**-201**
50%	1,316	**-684**	**-260**	145	0	0	**-142**	75	1,940	1,072	**-915**	**-295**
60%	928	**-686**	0	313	110	551	**-353**	**-168**	1,762	452	**-851**	**-189**
70%	125	**-398**	**-284**	99	35	176	**-174**	**-193**	1,161	58	**-1,089**	**-149**
80%	**-763**	**-243**	**-64**	0	0	0	0	**-138**	702	**-542**	**-1,017**	**-564**
90%	**-807**	**-188**	**0**	0	0	0	332	**-5**	**-296**	**-793**	**-1,219**	**-698**
Long Term												
Full Simulation Period[a]	1,608	**-929**	**-222**	896	1,134	245	**-25**	159	1,310	139	**-1,049**	**-1,043**
Water Year Types[b]												
Wet (32%)	1,098	**-576**	**-910**	2,234	2,586	1,007	**-329**	**-1,684**	1,229	1,457	**-703**	**-2,319**
Above Normal (15%)	1,657	**-1,700**	**-255**	**-263**	1,525	**-343**	**-120**	1,114	2,475	665	186	550
Below Normal (17%)	1,975	**-876**	110	842	655	**-332**	257	288	777	**-259**	**-766**	**-242**
Dry (22%)	1,798	**-1,194**	481	242	77	**-156**	84	1,622	979	**-786**	**-1,608**	**-1,335**
Critical (15%)	1,949	**-590**	**-141**	199	**-258**	458	237	851	1,437	**-1,391**	**-2,525**	**-368**

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-15-5. Sacramento River d/s of Keswick Reservoir, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,030	8,982	16,051	20,739	27,408	18,579	11,598	10,914	12,553	15,000	12,504	11,338
20%	8,603	7,059	10,673	12,895	18,724	12,828	8,284	9,139	11,890	15,000	11,520	9,366
30%	7,428	5,589	6,361	7,627	9,363	8,789	7,178	9,000	11,423	14,362	11,129	7,140
40%	6,433	5,290	4,541	4,500	5,748	4,500	6,443	8,151	11,013	13,601	10,718	6,398
50%	6,101	4,915	4,260	4,355	4,500	4,500	5,881	7,655	10,382	13,031	10,501	5,982
60%	5,811	4,693	4,000	3,805	3,878	3,578	5,595	7,171	10,016	12,617	10,110	5,536
70%	5,542	4,398	3,946	3,439	3,250	3,250	4,674	6,536	9,690	12,114	9,688	5,215
80%	5,071	4,243	3,466	3,250	3,250	3,250	4,500	6,116	9,405	11,744	9,222	5,002
90%	4,569	3,634	3,250	3,250	3,250	3,250	3,390	5,453	8,843	10,948	8,638	4,586
Long Term												
Full Simulation Period[a]	6,530	5,845	7,267	8,614	10,355	8,728	7,038	7,967	10,742	13,123	10,476	6,899
Water Year Types[b]												
Wet (32%)	6,886	6,672	12,766	16,526	18,577	16,200	9,418	9,508	10,375	12,779	11,029	9,385
Above Normal (15%)	7,145	6,224	5,531	8,318	14,409	9,131	6,182	7,709	11,147	14,056	10,449	5,862
Below Normal (17%)	6,396	5,088	5,413	4,502	5,981	5,200	5,426	7,193	10,758	12,965	10,139	5,492
Dry (22%)	6,128	5,669	4,215	3,996	3,684	3,903	5,803	7,349	11,224	13,302	10,627	5,985
Critical (15%)	5,902	4,822	3,828	3,490	3,599	3,487	6,472	6,715	10,392	12,849	9,473	5,563

Alternative 4 H1 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,155	5,480	15,965	24,073	30,081	20,184	10,523	11,800	15,000	15,550	12,509	7,411
20%	8,300	4,859	10,192	15,389	23,524	12,481	8,515	10,023	14,739	15,000	11,213	6,975
30%	7,504	4,541	5,608	9,704	13,478	8,802	7,012	9,062	13,754	15,000	10,857	6,712
40%	7,032	4,304	4,867	6,004	6,558	5,257	6,297	8,073	12,927	15,000	10,343	6,256
50%	6,335	4,050	4,146	4,500	4,500	4,500	5,603	7,534	12,358	14,355	10,011	6,075
60%	5,758	4,000	4,000	4,180	4,000	4,048	4,968	6,843	11,446	13,780	9,519	5,852
70%	5,261	4,000	3,695	3,492	3,250	3,426	4,500	6,282	10,931	12,864	8,955	5,336
80%	4,591	4,000	3,471	3,250	3,250	3,250	4,500	5,740	9,913	11,535	8,505	4,573
90%	3,918	3,489	3,250	3,250	3,250	3,250	3,746	5,221	8,477	10,350	7,836	4,165
Long Term												
Full Simulation Period[a]	6,528	4,778	7,253	10,050	11,725	9,043	6,896	7,960	12,059	13,527	9,857	5,996
Water Year Types[b]												
Wet (32%)	6,437	5,788	12,552	19,502	21,375	17,171	9,155	7,589	11,390	14,332	10,385	7,110
Above Normal (15%)	6,886	4,559	5,453	9,589	16,952	9,319	5,833	8,750	13,532	15,088	11,427	6,205
Below Normal (17%)	6,543	4,178	5,712	5,129	7,083	4,896	5,398	7,383	11,929	13,090	9,961	5,516
Dry (22%)	6,663	4,256	4,314	4,043	3,415	3,746	5,774	8,721	12,667	13,117	9,485	5,160
Critical (15%)	6,148	4,294	3,777	4,780	3,470	3,940	6,494	7,505	11,276	11,346	7,582	5,187

Alternative 4 H1 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	125	-3,503	-86	3,334	2,672	1,606	-1,075	886	2,447	550	5	-3,927
20%	-303	-2,200	-481	2,494	4,801	-347	231	884	2,848	0	-308	-2,391
30%	76	-1,048	-754	2,077	4,115	14	-166	61	2,331	638	-271	-429
40%	599	-986	326	1,504	809	757	-146	-78	1,914	1,399	-375	-142
50%	234	-864	-114	145	0	0	-278	-121	1,976	1,324	-489	93
60%	-53	-693	0	375	122	470	-627	-327	1,431	1,163	-591	316
70%	-281	-398	-251	53	0	176	-174	-253	1,241	749	-733	121
80%	-481	-243	5	0	0	0	0	-376	508	-208	-717	-429
90%	-651	-145	0	0	0	0	357	-231	-366	-597	-802	-420
Long Term												
Full Simulation Period[a]	-2	-1,067	-14	1,436	1,369	315	-142	-7	1,317	404	-619	-903
Water Year Types[b]												
Wet (32%)	-448	-885	-214	2,976	2,798	971	-263	-1,919	1,015	1,553	-644	-2,275
Above Normal (15%)	-258	-1,665	-78	1,272	2,542	188	-349	1,041	2,385	1,032	978	342
Below Normal (17%)	147	-909	299	628	1,102	-303	-28	190	1,171	125	-178	24
Dry (22%)	535	-1,413	100	48	-269	-157	-29	1,372	1,443	-185	-1,143	-825
Critical (15%)	245	-529	-51	1,289	-129	452	22	790	885	-1,504	-1,891	-376

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-15-6. Sacramento River d/s of Keswick Reservoir, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,030	8,982	16,051	20,739	27,408	18,579	11,598	10,914	12,553	15,000	12,504	11,338
20%	8,603	7,059	10,673	12,895	18,724	12,828	8,284	9,139	11,890	15,000	11,520	9,366
30%	7,428	5,589	6,361	7,627	9,363	8,789	7,178	9,000	11,423	14,362	11,129	7,140
40%	6,433	5,290	4,541	4,500	5,748	4,500	6,443	8,151	11,013	13,601	10,718	6,398
50%	6,101	4,915	4,260	4,355	4,500	4,500	5,881	7,655	10,382	13,031	10,501	5,982
60%	5,811	4,693	4,000	3,805	3,878	3,578	5,595	7,171	10,016	12,617	10,110	5,536
70%	5,542	4,398	3,946	3,439	3,250	3,250	4,674	6,536	9,690	12,114	9,688	5,215
80%	5,071	4,243	3,466	3,250	3,250	3,250	4,500	6,116	9,405	11,744	9,222	5,002
90%	4,569	3,634	3,250	3,250	3,250	3,250	3,390	5,453	8,843	10,948	8,638	4,586
Long Term												
Full Simulation Period[a]	6,530	5,845	7,267	8,614	10,355	8,728	7,038	7,967	10,742	13,123	10,476	6,899
Water Year Types[b]												
Wet (32%)	6,886	6,672	12,766	16,526	18,577	16,200	9,418	9,508	10,375	12,779	11,029	9,385
Above Normal (15%)	7,145	6,224	5,531	8,318	14,409	9,131	6,182	7,709	11,147	14,056	10,449	5,862
Below Normal (17%)	6,396	5,088	5,413	4,502	5,981	5,200	5,426	7,193	10,758	12,965	10,139	5,492
Dry (22%)	6,128	5,669	4,215	3,996	3,684	3,903	5,803	7,349	11,224	13,302	10,627	5,985
Critical (15%)	5,902	4,822	3,828	3,490	3,599	3,487	6,472	6,715	10,392	12,849	9,473	5,563

Alternative 4 H2 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,653	5,957	17,315	22,290	30,081	20,184	10,513	11,556	13,831	15,000	13,683	8,238
20%	8,261	5,057	9,003	14,695	22,290	12,351	7,955	8,855	13,137	15,000	12,764	7,143
30%	7,616	4,573	4,574	9,936	13,052	8,995	6,916	8,095	12,278	15,000	11,648	6,918
40%	6,884	4,369	4,220	6,325	6,370	4,510	6,261	7,528	11,766	15,000	11,141	6,641
50%	6,493	4,213	4,000	4,586	4,500	4,500	5,547	6,934	11,308	14,431	10,413	6,348
60%	6,088	4,000	3,941	4,307	3,808	3,807	4,877	6,440	10,892	13,395	10,048	6,048
70%	5,506	4,000	3,525	3,687	3,250	3,250	4,500	6,046	10,066	12,195	9,593	5,663
80%	4,859	3,902	3,363	3,250	3,250	3,250	4,500	5,711	9,344	11,458	8,708	5,211
90%	3,989	3,483	3,250	3,250	3,250	3,250	3,721	5,326	8,095	10,784	7,787	4,138
Long Term												
Full Simulation Period[a]	6,747	4,841	7,172	10,006	11,667	8,973	6,799	7,563	11,231	13,525	10,494	6,402
Water Year Types[b]												
Wet (32%)	6,599	5,893	12,997	19,415	21,503	17,165	9,132	7,345	10,618	14,135	10,820	7,242
Above Normal (15%)	7,339	4,519	5,165	9,370	16,830	9,239	5,712	8,482	11,648	14,809	11,946	6,304
Below Normal (17%)	6,415	4,445	5,343	5,163	6,657	4,745	5,242	6,481	10,863	12,910	10,673	6,654
Dry (22%)	6,726	4,365	3,925	4,375	3,408	3,753	5,609	8,198	12,120	13,495	10,772	5,573
Critical (15%)	6,897	4,062	3,560	4,357	3,429	3,718	6,431	7,424	11,240	11,681	7,707	5,632

Alternative 4 H2 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	623	**-3,026**	1,264	1,550	2,672	1,606	**-1,085**	643	1,278	0	1,180	**-3,100**
20%	**-342**	**-2,002**	**-1,670**	1,800	3,567	**-477**	**-329**	**-284**	1,247	0	1,243	**-2,223**
30%	188	**-1,016**	**-1,788**	2,308	3,689	207	**-262**	**-905**	855	638	520	**-223**
40%	452	**-920**	**-320**	1,825	621	10	**-182**	**-623**	753	1,399	423	244
50%	392	**-701**	**-260**	231	0	0	**-334**	**-721**	926	1,400	**-87**	366
60%	277	**-693**	**-59**	502	**-71**	230	**-719**	**-731**	876	778	**-63**	511
70%	**-35**	**-398**	**-421**	249	0	0	**-174**	**-490**	376	80	**-95**	448
80%	**-213**	**-341**	**-103**	0	0	0	0	**-404**	**-62**	**-286**	**-514**	210
90%	**-581**	**-151**	**0**	0	0	0	332	**-127**	**-748**	**-164**	**-850**	**-448**
Long Term												
Full Simulation Period[a]	218	**-1,004**	**-95**	1,393	1,312	245	**-239**	**-404**	489	402	17	**-497**
Water Year Types[b]												
Wet (32%)	**-287**	**-779**	232	2,889	2,925	965	**-286**	**-2,163**	242	1,355	**-210**	**-2,143**
Above Normal (15%)	195	**-1,705**	**-366**	1,052	2,420	108	**-470**	773	501	753	1,498	441
Below Normal (17%)	19	**-643**	**-70**	661	675	**-455**	**-185**	**-712**	105	**-55**	534	1,161
Dry (22%)	598	**-1,304**	**-290**	379	**-276**	**-151**	**-194**	849	897	192	145	**-412**
Critical (15%)	995	**-761**	**-268**	867	**-170**	231	**-40**	709	848	**-1,168**	**-1,766**	69

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-15-7. Sacramento River d/s of Keswick Reservoir, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,030	8,982	16,051	20,739	27,408	18,579	11,598	10,914	12,553	15,000	12,504	11,338
20%	8,603	7,059	10,673	12,895	18,724	12,828	8,284	9,139	11,890	15,000	11,520	9,366
30%	7,428	5,589	6,361	7,627	9,363	8,789	7,178	9,000	11,423	14,362	11,129	7,140
40%	6,433	5,290	4,541	4,500	5,748	4,500	6,443	8,151	11,013	13,601	10,718	6,398
50%	6,101	4,915	4,260	4,355	4,500	4,500	5,881	7,655	10,382	13,031	10,501	5,982
60%	5,811	4,693	4,000	3,805	3,878	3,578	5,595	7,171	10,016	12,617	10,110	5,536
70%	5,542	4,398	3,946	3,439	3,250	3,250	4,674	6,536	9,690	12,114	9,688	5,215
80%	5,071	4,243	3,466	3,250	3,250	3,250	4,500	6,116	9,405	11,744	9,222	5,002
90%	4,569	3,634	3,250	3,250	3,250	3,250	3,390	5,453	8,843	10,948	8,638	4,586
Long Term												
Full Simulation Period[a]	6,530	5,845	7,267	8,614	10,355	8,728	7,038	7,967	10,742	13,123	10,476	6,899
Water Year Types[b]												
Wet (32%)	6,886	6,672	12,766	16,526	18,577	16,200	9,418	9,508	10,375	12,779	11,029	9,385
Above Normal (15%)	7,145	6,224	5,531	8,318	14,409	9,131	6,182	7,709	11,147	14,056	10,449	5,862
Below Normal (17%)	6,396	5,088	5,413	4,502	5,981	5,200	5,426	7,193	10,758	12,965	10,139	5,492
Dry (22%)	6,128	5,669	4,215	3,996	3,684	3,903	5,803	7,349	11,224	13,302	10,627	5,985
Critical (15%)	5,902	4,822	3,828	3,490	3,599	3,487	6,472	6,715	10,392	12,849	9,473	5,563

Alternative 4 H3 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	8,726	7,472	15,302	20,808	30,081	20,167	10,549	11,627	14,977	15,155	12,459	14,741
20%	8,051	6,050	6,603	13,647	22,983	12,351	8,490	9,614	14,394	15,000	11,395	12,880
30%	7,552	5,136	4,488	8,258	10,115	7,007	7,156	8,987	13,654	15,000	10,647	11,417
40%	6,917	4,913	4,195	4,500	4,732	4,784	6,173	7,990	13,033	15,000	10,354	8,964
50%	6,605	4,482	4,000	4,482	4,500	4,500	5,657	7,553	12,235	14,092	10,004	7,107
60%	6,083	4,242	4,000	3,997	3,565	4,113	4,852	6,866	11,449	13,443	9,634	5,540
70%	5,501	4,000	3,667	3,292	3,250	3,422	4,500	6,237	10,861	12,541	8,928	4,721
80%	4,554	4,000	3,384	3,250	3,250	3,250	4,500	5,713	10,007	11,257	8,200	4,206
90%	4,000	3,489	3,250	3,250	3,250	3,250	3,720	5,232	8,503	10,451	7,563	3,771
Long Term												
Full Simulation Period[a]	6,555	5,288	6,587	9,235	11,261	8,834	6,852	7,915	12,008	13,421	9,757	8,248
Water Year Types[b]												
Wet (32%)	6,895	6,369	10,870	18,545	20,888	17,139	9,009	7,541	11,240	14,230	10,445	13,194
Above Normal (15%)	7,247	5,469	5,472	7,795	15,871	8,803	5,827	8,971	13,610	14,940	11,287	9,315
Below Normal (17%)	6,435	4,845	5,500	4,342	6,301	4,252	5,414	7,169	11,711	13,020	10,172	4,836
Dry (22%)	6,326	4,535	3,973	3,803	3,407	3,753	5,776	8,608	12,648	12,764	9,420	5,053
Critical (15%)	5,610	4,413	3,613	4,364	3,358	3,842	6,498	7,499	11,456	11,605	6,761	5,239

Alternative 4 H3 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-304	-1,511	-748	69	2,672	1,588	-1,049	713	2,424	155	-45	3,403
20%	-552	-1,009	-4,069	752	4,260	-477	206	475	2,503	0	-126	3,514
30%	124	-453	-1,874	630	753	-1,781	-22	-13	2,230	638	-481	4,276
40%	484	-376	-346	0	-1,016	284	-270	-161	2,020	1,399	-364	2,566
50%	505	-432	-260	127	0	0	-224	-102	1,853	1,061	-497	1,125
60%	272	-450	0	192	-314	535	-743	-304	1,433	826	-476	4
70%	-41	-398	-278	-147	0	172	-174	-298	1,171	427	-760	-494
80%	-517	-243	-81	0	0	0	0	-403	602	-487	-1,021	-796
90%	-569	-145	0	0	0	0	330	-220	-340	-497	-1,074	-814
Long Term												
Full Simulation Period[a]	25	-557	-679	622	905	107	-186	-52	1,266	298	-719	1,349
Water Year Types[b]												
Wet (32%)	9	-304	-1,896	2,018	2,311	939	-409	-1,967	865	1,451	-584	3,809
Above Normal (15%)	102	-755	-59	-522	1,461	-328	-355	1,263	2,462	884	838	3,452
Below Normal (17%)	39	-242	87	-160	320	-948	-12	-24	952	54	32	-656
Dry (22%)	198	-1,134	-242	-193	-276	-150	-27	1,259	1,425	-538	-1,208	-933
Critical (15%)	-293	-410	-215	873	-241	355	26	784	1,064	-1,245	-2,712	-324

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-15-8. Sacramento River d/s of Keswick Reservoir, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,030	8,982	16,051	20,739	27,408	18,579	11,598	10,914	12,553	15,000	12,504	11,338
20%	8,603	7,059	10,673	12,895	18,724	12,828	8,284	9,139	11,890	15,000	11,520	9,366
30%	7,428	5,589	6,361	7,627	9,363	8,789	7,178	9,000	11,423	14,362	11,129	7,140
40%	6,433	5,290	4,541	4,500	5,748	4,500	6,443	8,151	11,013	13,601	10,718	6,398
50%	6,101	4,915	4,260	4,355	4,500	4,500	5,881	7,655	10,382	13,031	10,501	5,982
60%	5,811	4,693	4,000	3,805	3,878	3,578	5,595	7,171	10,016	12,617	10,110	5,536
70%	5,542	4,398	3,946	3,439	3,250	3,250	4,674	6,536	9,690	12,114	9,688	5,215
80%	5,071	4,243	3,466	3,250	3,250	3,250	4,500	6,116	9,405	11,744	9,222	5,002
90%	4,569	3,634	3,250	3,250	3,250	3,250	3,390	5,453	8,843	10,948	8,638	4,586
Long Term												
Full Simulation Period[a]	6,530	5,845	7,267	8,614	10,355	8,728	7,038	7,967	10,742	13,123	10,476	6,899
Water Year Types[b]												
Wet (32%)	6,886	6,672	12,766	16,526	18,577	16,200	9,418	9,508	10,375	12,779	11,029	9,385
Above Normal (15%)	7,145	6,224	5,531	8,318	14,409	9,131	6,182	7,709	11,147	14,056	10,449	5,862
Below Normal (17%)	6,396	5,088	5,413	4,502	5,981	5,200	5,426	7,193	10,758	12,965	10,139	5,492
Dry (22%)	6,128	5,669	4,215	3,996	3,684	3,903	5,803	7,349	11,224	13,302	10,627	5,985
Critical (15%)	5,902	4,822	3,828	3,490	3,599	3,487	6,472	6,715	10,392	12,849	9,473	5,563

Alternative 4 H4 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,143	8,477	16,044	20,808	30,081	20,167	10,516	11,355	14,230	15,000	13,910	15,000
20%	8,391	6,508	6,756	11,553	22,126	12,351	7,623	8,759	13,247	15,000	12,397	13,765
30%	7,690	5,347	4,339	6,896	9,257	7,940	7,004	8,044	12,438	15,000	11,497	11,553
40%	6,927	4,814	4,000	4,500	4,740	4,500	6,059	7,404	11,553	14,942	10,949	10,228
50%	6,557	4,460	4,000	4,184	4,500	4,500	5,598	6,941	11,136	14,050	10,424	8,006
60%	6,160	4,205	3,830	3,947	3,709	3,558	4,804	6,383	10,593	13,565	9,978	6,261
70%	5,572	4,000	3,500	3,274	3,250	3,250	4,500	5,985	9,915	12,667	9,589	5,253
80%	4,753	4,000	3,305	3,250	3,250	3,250	4,500	5,714	9,225	11,447	8,556	4,356
90%	4,000	3,427	3,250	3,250	3,250	3,250	3,702	5,188	8,045	10,715	7,815	3,937
Long Term												
Full Simulation Period[a]	6,761	5,389	6,550	9,045	11,240	8,780	6,707	7,458	11,139	13,521	10,515	8,737
Water Year Types[b]												
Wet (32%)	6,974	6,404	11,040	18,495	20,897	17,135	9,017	7,298	10,500	14,212	10,813	13,577
Above Normal (15%)	7,972	6,086	5,536	7,616	15,633	8,522	5,859	8,364	11,841	14,657	12,176	10,117
Below Normal (17%)	6,339	4,870	5,249	4,437	6,305	4,172	4,898	6,369	10,885	12,900	10,544	5,359
Dry (22%)	6,749	4,618	3,730	3,613	3,408	3,850	5,501	7,956	11,846	13,263	10,764	5,497
Critical (15%)	5,602	4,255	3,584	3,524	3,430	3,707	6,466	7,427	11,055	11,997	7,800	5,671

Alternative 4 H4 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	113	-506	-7	69	2,672	1,588	-1,082	441	1,677	0	1,407	3,662
20%	-212	-551	-3,917	-1,342	3,402	-477	-661	-380	1,357	0	877	4,399
30%	262	-242	-2,022	-732	-106	-849	-175	-956	1,015	638	368	4,412
40%	494	-475	-541	0	-1,008	0	-384	-747	539	1,341	232	3,830
50%	457	-455	-260	-172	0	0	-283	-714	755	1,019	-77	2,023
60%	349	-487	-170	142	-169	-20	-791	-787	577	948	-132	725
70%	30	-398	-446	-165	0	0	-174	-550	225	553	-99	38
80%	-319	-243	-160	0	0	0	0	-402	-180	-297	-666	-646
90%	-569	-207	0	0	0	0	312	-265	-799	-232	-822	-649
Long Term												
Full Simulation Period[a]	231	-456	-716	431	885	52	-331	-508	396	398	39	1,838
Water Year Types[b]												
Wet (32%)	89	-268	-1,725	1,969	2,320	935	-401	-2,210	125	1,433	-216	4,192
Above Normal (15%)	827	-138	5	-701	1,223	-609	-323	655	694	601	1,727	4,255
Below Normal (17%)	-58	-218	-164	-65	323	-1,028	-528	-824	126	-65	405	-133
Dry (22%)	621	-1,051	-484	-383	-275	-53	-301	607	622	-39	137	-488
Critical (15%)	-301	-568	-244	33	-168	220	-6	712	663	-852	-1,672	108

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-15-9. Sacramento River d/s of Keswick Reservoir, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,030	8,982	16,051	20,739	27,408	18,579	11,598	10,914	12,553	15,000	12,504	11,338
20%	8,603	7,059	10,673	12,895	18,724	12,828	8,284	9,139	11,890	15,000	11,520	9,366
30%	7,428	5,589	6,361	7,627	9,363	8,789	7,178	9,000	11,423	14,362	11,129	7,140
40%	6,433	5,290	4,541	4,500	5,748	4,500	6,443	8,151	11,013	13,601	10,718	6,398
50%	6,101	4,915	4,260	4,355	4,500	4,500	5,881	7,655	10,382	13,031	10,501	5,982
60%	5,811	4,693	4,000	3,805	3,878	3,578	5,595	7,171	10,016	12,617	10,110	5,536
70%	5,542	4,398	3,946	3,439	3,250	3,250	4,674	6,536	9,690	12,114	9,688	5,215
80%	5,071	4,243	3,466	3,250	3,250	3,250	4,500	6,116	9,405	11,744	9,222	5,002
90%	4,569	3,634	3,250	3,250	3,250	3,250	3,390	5,453	8,843	10,948	8,638	4,586
Long Term												
Full Simulation Period[a]	6,530	5,845	7,267	8,614	10,355	8,728	7,038	7,967	10,742	13,123	10,476	6,899
Water Year Types[b]												
Wet (32%)	6,886	6,672	12,766	16,526	18,577	16,200	9,418	9,508	10,375	12,779	11,029	9,385
Above Normal (15%)	7,145	6,224	5,531	8,318	14,409	9,131	6,182	7,709	11,147	14,056	10,449	5,862
Below Normal (17%)	6,396	5,088	5,413	4,502	5,981	5,200	5,426	7,193	10,758	12,965	10,139	5,492
Dry (22%)	6,128	5,669	4,215	3,996	3,684	3,903	5,803	7,349	11,224	13,302	10,627	5,985
Critical (15%)	5,902	4,822	3,828	3,490	3,599	3,487	6,472	6,715	10,392	12,849	9,473	5,563

Alternative 5 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	10,581	7,835	15,063	20,808	30,081	20,167	10,549	11,310	14,657	15,219	12,336	15,000
20%	9,202	6,250	6,697	12,901	21,836	12,351	8,414	9,336	13,885	15,000	11,716	14,013
30%	7,987	5,657	4,807	8,687	8,700	6,507	7,131	8,367	12,823	15,000	11,039	11,526
40%	7,304	5,004	4,305	4,638	4,500	4,537	6,189	7,875	12,357	15,000	10,568	9,439
50%	6,557	4,551	4,000	4,500	4,500	4,500	5,580	7,523	11,754	14,948	10,016	6,771
60%	6,051	4,305	3,917	3,947	3,723	4,007	4,849	6,807	11,152	13,836	9,576	5,157
70%	5,559	4,000	3,613	3,304	3,250	3,250	4,500	6,125	10,291	13,006	9,215	4,569
80%	4,587	4,000	3,402	3,250	3,250	3,250	4,500	5,684	9,628	11,651	8,480	4,190
90%	3,976	3,406	3,250	3,250	3,250	3,250	3,702	5,175	8,332	10,486	7,954	3,815
Long Term												
Full Simulation Period[a]	6,983	5,450	6,421	9,197	11,046	8,789	6,844	7,669	11,619	13,637	9,931	8,328
Water Year Types[b]												
Wet (32%)	7,003	6,646	10,547	18,577	20,878	17,126	9,035	7,341	10,942	14,103	10,962	13,616
Above Normal (15%)	7,739	5,629	5,297	7,566	15,302	8,774	5,811	8,670	12,484	15,168	11,315	9,905
Below Normal (17%)	7,958	4,741	4,835	4,626	5,432	4,249	5,317	6,673	11,719	13,414	10,015	4,758
Dry (22%)	6,458	4,887	4,300	3,729	3,490	3,615	5,630	8,495	12,468	13,544	9,383	4,396
Critical (15%)	5,833	4,349	3,642	4,041	3,370	3,800	6,729	7,304	10,829	11,497	7,039	5,354

Alternative 5 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,551	-1,148	-987	69	2,672	1,588	-1,049	396	2,104	219	-167	3,662
20%	599	-809	-3,975	6	3,112	-477	130	197	1,995	0	195	4,647
30%	559	68	-1,554	1,059	-662	-2,281	-48	-634	1,400	638	-90	4,386
40%	872	-286	-235	138	-1,248	37	-254	-276	1,344	1,399	-149	3,041
50%	456	-364	-260	145	0	0	-301	-132	1,373	1,917	-484	789
60%	240	-388	-83	142	-156	429	-747	-364	1,137	1,219	-534	-379
70%	17	-398	-333	-135	0	0	-174	-410	601	892	-473	-646
80%	-484	-243	-64	0	0	0	0	-432	222	-92	-741	-812
90%	-593	-227	0	0	0	0	312	-277	-511	-462	-683	-771
Long Term												
Full Simulation Period[a]	453	-396	-845	584	690	61	-195	-297	876	514	-545	1,428
Water Year Types[b]												
Wet (32%)	118	-27	-2,219	2,051	2,300	926	-382	-2,167	567	1,324	-67	4,231
Above Normal (15%)	594	-594	-234	-751	893	-357	-371	961	1,337	1,112	866	4,042
Below Normal (17%)	1,562	-347	-578	124	-549	-951	-109	-520	960	449	-125	-734
Dry (22%)	330	-782	86	-266	-194	-289	-173	1,147	1,244	242	-1,245	-1,589
Critical (15%)	-70	-473	-187	551	-229	312	257	589	437	-1,352	-2,434	-209

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-15-10. Sacramento River d/s of Keswick Reservoir, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,030	8,982	16,051	20,739	27,408	18,579	11,598	10,914	12,553	15,000	12,504	11,338
20%	8,603	7,059	10,673	12,895	18,724	12,828	8,284	9,139	11,890	15,000	11,520	9,366
30%	7,428	5,589	6,361	7,627	9,363	8,789	7,178	9,000	11,423	14,362	11,129	7,140
40%	6,433	5,290	4,541	4,500	5,748	4,500	6,443	8,151	11,013	13,601	10,718	6,398
50%	6,101	4,915	4,260	4,355	4,500	4,500	5,881	7,655	10,382	13,031	10,501	5,982
60%	5,811	4,693	4,000	3,805	3,878	3,578	5,595	7,171	10,016	12,617	10,110	5,536
70%	5,542	4,398	3,946	3,439	3,250	3,250	4,674	6,536	9,690	12,114	9,688	5,215
80%	5,071	4,243	3,466	3,250	3,250	3,250	4,500	6,116	9,405	11,744	9,222	5,002
90%	4,569	3,634	3,250	3,250	3,250	3,250	3,390	5,453	8,843	10,948	8,638	4,586
Long Term												
Full Simulation Period[a]	6,530	5,845	7,267	8,614	10,355	8,728	7,038	7,967	10,742	13,123	10,476	6,899
Water Year Types[b]												
Wet (32%)	6,886	6,672	12,766	16,526	18,577	16,200	9,418	9,508	10,375	12,779	11,029	9,385
Above Normal (15%)	7,145	6,224	5,531	8,318	14,409	9,131	6,182	7,709	11,147	14,056	10,449	5,862
Below Normal (17%)	6,396	5,088	5,413	4,502	5,981	5,200	5,426	7,193	10,758	12,965	10,139	5,492
Dry (22%)	6,128	5,669	4,215	3,996	3,684	3,903	5,803	7,349	11,224	13,302	10,627	5,985
Critical (15%)	5,902	4,822	3,828	3,490	3,599	3,487	6,472	6,715	10,392	12,849	9,473	5,563

Alternative 6A,6B,6C (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	8,207	7,492	14,615	20,808	30,081	20,167	9,911	11,108	14,195	15,000	12,734	12,912
20%	7,853	6,845	8,856	15,447	23,540	12,779	8,212	9,119	13,075	15,000	11,849	10,358
30%	7,522	6,534	4,377	9,138	12,658	6,853	6,648	8,108	12,221	15,000	11,168	9,218
40%	7,041	5,809	4,000	4,500	5,050	4,500	5,671	7,657	11,715	15,000	10,501	7,458
50%	6,817	5,167	4,000	4,333	4,500	4,500	5,390	6,984	10,946	14,773	9,995	6,550
60%	6,623	4,587	3,752	3,753	4,170	3,547	4,553	6,416	10,525	14,474	9,621	5,071
70%	5,716	4,253	3,491	3,250	3,250	3,250	4,500	6,055	10,072	13,671	9,297	4,584
80%	5,102	4,000	3,250	3,250	3,250	3,250	4,432	5,616	9,415	13,033	8,733	4,193
90%	3,941	3,889	3,250	3,250	3,250	3,250	3,721	5,139	8,068	10,987	7,855	3,775
Long Term												
Full Simulation Period[a]	6,482	5,751	6,770	9,634	11,556	8,826	6,669	7,501	11,167	13,902	10,001	7,341
Water Year Types[b]												
Wet (32%)	6,773	6,625	11,977	19,556	21,084	17,167	9,106	7,663	10,622	14,544	11,296	11,366
Above Normal (15%)	6,397	5,972	5,537	9,144	16,435	9,011	5,846	8,333	12,007	14,632	10,530	8,227
Below Normal (17%)	6,780	5,244	4,815	4,301	6,764	4,165	4,809	6,249	10,751	13,219	9,578	4,795
Dry (22%)	6,707	5,281	3,711	3,896	3,437	3,865	5,483	7,750	11,628	14,005	9,892	4,593
Critical (15%)	5,250	4,930	3,588	3,452	3,799	3,446	6,160	7,405	11,301	12,425	7,320	4,824

Alternative 6A,6B,6C (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	**-823**	**-1,490**	**-1,436**	69	2,672	1,588	**-1,688**	194	1,642	0	230	1,573
20%	**-750**	**-214**	**-1,817**	2,552	4,816	**-50**	**-72**	**-20**	1,185	0	329	992
30%	94	946	**-1,984**	1,511	3,295	**-1,935**	**-530**	**-892**	797	638	40	2,077
40%	608	520	**-541**	0	**-699**	0	**-772**	**-494**	701	1,399	**-217**	1,060
50%	716	252	**-260**	**-22**	0	0	**-490**	**-671**	564	1,742	**-505**	568
60%	812	**-106**	**-248**	**-52**	292	**-30**	**-1,043**	**-755**	509	1,857	**-489**	**-465**
70%	174	**-144**	**-455**	**-189**	0	0	**-174**	**-480**	382	1,557	**-391**	**-631**
80%	30	**-243**	**-215**	0	0	0	**-68**	**-499**	9	1,289	**-489**	**-808**
90%	**-628**	255	**0**	0	0	0	332	**-314**	**-775**	39	**-783**	**-810**
Long Term												
Full Simulation Period[a]	**-48**	**-95**	**-497**	1,020	1,200	98	**-369**	**-466**	425	779	**-476**	441
Water Year Types[b]												
Wet (32%)	**-112**	**-48**	**-789**	3,030	2,507	967	**-312**	**-1,845**	246	1,765	267	1,981
Above Normal (15%)	**-747**	**-252**	6	826	2,025	**-120**	**-336**	624	860	576	81	2,365
Below Normal (17%)	384	157	**-598**	**-201**	782	**-1,034**	**-617**	**-944**	**-7**	253	**-561**	**-697**
Dry (22%)	579	**-388**	**-503**	**-99**	**-246**	**-38**	**-319**	401	404	703	**-735**	**-1,392**
Critical (15%)	**-652**	108	**-241**	**-38**	200	**-42**	**-312**	690	909	**-425**	**-2,152**	**-739**

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-15-11. Sacramento River d/s of Keswick Reservoir, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,030	8,982	16,051	20,739	27,408	18,579	11,598	10,914	12,553	15,000	12,504	11,338
20%	8,603	7,059	10,673	12,895	18,724	12,828	8,284	9,139	11,890	15,000	11,520	9,366
30%	7,428	5,589	6,361	7,627	9,363	8,789	7,178	9,000	11,423	14,362	11,129	7,140
40%	6,433	5,290	4,541	4,500	5,748	4,500	6,443	8,151	11,013	13,601	10,718	6,398
50%	6,101	4,915	4,260	4,355	4,500	4,500	5,881	7,655	10,382	13,031	10,501	5,982
60%	5,811	4,693	4,000	3,805	3,878	3,578	5,595	7,171	10,016	12,617	10,110	5,536
70%	5,542	4,398	3,946	3,439	3,250	3,250	4,674	6,536	9,690	12,114	9,688	5,215
80%	5,071	4,243	3,466	3,250	3,250	3,250	4,500	6,116	9,405	11,744	9,222	5,002
90%	4,569	3,634	3,250	3,250	3,250	3,250	3,390	5,453	8,843	10,948	8,638	4,586
Long Term												
Full Simulation Period[a]	6,530	5,845	7,267	8,614	10,355	8,728	7,038	7,967	10,742	13,123	10,476	6,899
Water Year Types[b]												
Wet (32%)	6,886	6,672	12,766	16,526	18,577	16,200	9,418	9,508	10,375	12,779	11,029	9,385
Above Normal (15%)	7,145	6,224	5,531	8,318	14,409	9,131	6,182	7,709	11,147	14,056	10,449	5,862
Below Normal (17%)	6,396	5,088	5,413	4,502	5,981	5,200	5,426	7,193	10,758	12,965	10,139	5,492
Dry (22%)	6,128	5,669	4,215	3,996	3,684	3,903	5,803	7,349	11,224	13,302	10,627	5,985
Critical (15%)	5,902	4,822	3,828	3,490	3,599	3,487	6,472	6,715	10,392	12,849	9,473	5,563

Alternative 7 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	8,852	7,420	14,756	20,808	30,081	20,167	10,500	10,350	14,871	15,687	12,196	14,845
20%	7,930	6,679	6,938	13,278	21,836	12,351	7,636	8,964	13,500	15,000	11,712	12,108
30%	7,568	6,084	4,237	8,749	12,431	6,924	6,641	7,901	12,846	15,000	11,072	11,194
40%	7,030	5,730	4,000	4,500	5,074	4,500	5,602	7,672	12,247	15,000	10,677	8,460
50%	6,803	5,152	4,000	4,184	4,500	4,500	5,171	6,848	11,498	14,659	10,337	6,104
60%	6,432	4,507	3,752	3,704	3,890	3,547	4,535	6,292	11,009	14,277	9,984	4,791
70%	6,002	4,215	3,493	3,250	3,250	3,250	4,500	5,921	10,479	13,847	9,607	4,483
80%	5,245	4,000	3,250	3,250	3,250	3,250	4,445	5,617	9,408	12,727	9,026	4,188
90%	4,024	3,583	3,250	3,250	3,250	3,250	3,717	5,089	8,060	11,449	7,595	3,602
Long Term												
Full Simulation Period[a]	6,724	5,651	6,401	9,298	11,490	8,790	6,599	7,422	11,488	13,996	10,067	7,954
Water Year Types[b]												
Wet (32%)	6,948	6,551	11,092	18,994	20,836	17,138	9,088	7,388	11,204	14,266	10,386	13,164
Above Normal (15%)	7,270	5,900	4,856	8,430	16,423	8,871	5,828	8,500	12,590	15,444	11,057	9,125
Below Normal (17%)	6,579	5,157	4,879	4,377	6,811	4,165	4,676	6,217	10,922	13,766	10,448	4,502
Dry (22%)	6,910	5,103	3,713	3,592	3,377	3,834	5,306	7,448	11,610	14,281	10,593	4,782
Critical (15%)	5,585	4,854	3,589	3,460	3,937	3,450	6,162	7,785	11,481	11,806	7,150	4,279

Alternative 7 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-178	-1,562	-1,295	69	2,672	1,588	-1,099	-564	2,318	687	-308	3,507
20%	-673	-380	-3,734	383	3,112	-477	-648	-175	1,610	0	191	2,742
30%	140	495	-2,124	1,122	3,068	-1,865	-537	-1,099	1,423	638	-57	4,054
40%	597	441	-541	0	-675	0	-841	-479	1,234	1,399	-41	2,062
50%	702	237	-260	-172	0	0	-710	-807	1,116	1,628	-164	121
60%	621	-185	-248	-101	12	-30	-1,060	-879	994	1,660	-126	-746
70%	460	-182	-453	-189	0	0	-174	-615	789	1,733	-81	-732
80%	174	-243	-216	0	0	0	-55	-499	3	983	-195	-814
90%	-545	-51	0	0	0	0	328	-363	-783	501	-1,043	-984
Long Term												
Full Simulation Period[a]	194	-194	-866	685	1,135	62	-439	-545	746	873	-410	1,055
Water Year Types[b]												
Wet (32%)	62	-121	-1,673	2,468	2,259	938	-330	-2,120	829	1,487	-643	3,779
Above Normal (15%)	125	-324	-675	113	2,014	-260	-354	791	1,443	1,388	608	3,263
Below Normal (17%)	183	69	-534	-125	830	-1,034	-751	-976	163	801	309	-990
Dry (22%)	782	-566	-501	-404	-306	-69	-496	100	387	979	-35	-1,204
Critical (15%)	-318	32	-239	-31	339	-37	-310	1,070	1,089	-1,043	-2,322	-1,284

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-15-12. Sacramento River d/s of Keswick Reservoir, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,030	8,982	16,051	20,739	27,408	18,579	11,598	10,914	12,553	15,000	12,504	11,338
20%	8,603	7,059	10,673	12,895	18,724	12,828	8,284	9,139	11,890	15,000	11,520	9,366
30%	7,428	5,589	6,361	7,627	9,363	8,789	7,178	9,000	11,423	14,362	11,129	7,140
40%	6,433	5,290	4,541	4,500	5,748	4,500	6,443	8,151	11,013	13,601	10,718	6,398
50%	6,101	4,915	4,260	4,355	4,500	4,500	5,881	7,655	10,382	13,031	10,501	5,982
60%	5,811	4,693	4,000	3,805	3,878	3,578	5,595	7,171	10,016	12,617	10,110	5,536
70%	5,542	4,398	3,946	3,439	3,250	3,250	4,674	6,536	9,690	12,114	9,688	5,215
80%	5,071	4,243	3,466	3,250	3,250	3,250	4,500	6,116	9,405	11,744	9,222	5,002
90%	4,569	3,634	3,250	3,250	3,250	3,250	3,390	5,453	8,843	10,948	8,638	4,586
Long Term												
Full Simulation Period[a]	6,530	5,845	7,267	8,614	10,355	8,728	7,038	7,967	10,742	13,123	10,476	6,899
Water Year Types[b]												
Wet (32%)	6,886	6,672	12,766	16,526	18,577	16,200	9,418	9,508	10,375	12,779	11,029	9,385
Above Normal (15%)	7,145	6,224	5,531	8,318	14,409	9,131	6,182	7,709	11,147	14,056	10,449	5,862
Below Normal (17%)	6,396	5,088	5,413	4,502	5,981	5,200	5,426	7,193	10,758	12,965	10,139	5,492
Dry (22%)	6,128	5,669	4,215	3,996	3,684	3,903	5,803	7,349	11,224	13,302	10,627	5,985
Critical (15%)	5,902	4,822	3,828	3,490	3,599	3,487	6,472	6,715	10,392	12,849	9,473	5,563

Alternative 8 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	8,242	7,610	14,666	21,113	30,081	20,171	12,261	12,706	14,992	15,000	11,680	12,307
20%	6,943	6,223	8,221	14,769	23,689	12,566	10,433	10,191	13,933	14,731	11,013	11,618
30%	5,941	5,311	4,438	8,656	10,237	8,883	9,388	9,300	13,284	14,141	10,182	10,148
40%	5,474	4,877	4,068	6,813	7,374	6,854	7,907	8,544	12,455	13,616	9,785	7,465
50%	4,865	4,506	4,000	4,500	5,090	5,489	7,220	7,849	11,621	13,011	9,453	5,228
60%	4,509	4,218	3,941	4,057	4,500	4,500	6,313	7,149	10,829	12,277	9,090	4,393
70%	4,152	4,000	3,527	3,383	3,556	4,003	5,444	6,633	10,370	11,932	8,788	4,052
80%	4,000	4,000	3,250	3,250	3,250	3,395	4,500	6,062	10,108	11,047	8,417	3,828
90%	3,847	3,485	3,250	3,250	3,250	3,250	3,996	5,447	8,966	9,969	7,541	3,463
Long Term												
Full Simulation Period[a]	5,566	5,297	6,651	9,827	11,574	9,404	8,026	8,448	11,766	12,688	9,386	7,136
Water Year Types[b]												
Wet (32%)	5,906	6,317	11,788	19,896	21,267	17,194	9,585	8,580	11,990	13,504	10,059	11,785
Above Normal (15%)	6,243	5,554	4,495	9,021	15,609	9,084	7,440	10,326	13,183	13,510	9,528	8,117
Below Normal (17%)	5,225	4,756	5,211	5,290	6,120	5,006	7,981	8,253	10,957	11,458	8,606	4,023
Dry (22%)	5,721	4,658	3,709	3,596	4,167	5,479	7,335	7,651	10,804	12,777	10,264	3,997
Critical (15%)	4,317	4,421	3,766	3,460	4,012	3,868	6,320	7,708	12,247	11,399	7,379	4,421

Alternative 8 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-788	-1,372	-1,384	374	2,672	1,592	662	1,792	2,439	0	-824	969
20%	-1,660	-836	-2,452	1,874	4,966	-263	2,149	1,052	2,043	-269	-508	2,253
30%	-1,487	-277	-1,923	1,028	874	94	2,210	300	1,861	-221	-947	3,008
40%	-959	-413	-473	2,313	1,626	2,354	1,464	393	1,442	15	-932	1,068
50%	-1,236	-409	-260	145	590	989	1,339	194	1,239	-20	-1,048	-755
60%	-1,302	-475	-59	251	622	922	718	-21	814	-340	-1,020	-1,143
70%	-1,390	-398	-419	-56	306	753	770	97	680	-182	-900	-1,163
80%	-1,071	-243	-216	0	0	145	0	-53	702	-697	-805	-1,174
90%	-722	-149	0	0	0	0	606	-5	123	-979	-1,097	-1,123
Long Term												
Full Simulation Period[a]	-964	-548	-616	1,214	1,219	677	987	482	1,023	-435	-1,090	237
Water Year Types[b]												
Wet (32%)	-980	-355	-977	3,370	2,689	994	167	-928	1,615	724	-970	2,400
Above Normal (15%)	-902	-670	-1,036	703	1,200	-47	1,258	2,618	2,036	-547	-921	2,254
Below Normal (17%)	-1,172	-331	-202	788	138	-193	2,555	1,060	199	-1,507	-1,533	-1,469
Dry (22%)	-407	-1,011	-505	-400	484	1,575	1,533	302	-420	-525	-363	-1,988
Critical (15%)	-1,585	-401	-62	-31	413	381	-152	993	1,855	-1,450	-2,093	-1,142

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-15-13. Sacramento River d/s of Keswick Reservoir, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,030	8,982	16,051	20,739	27,408	18,579	11,598	10,914	12,553	15,000	12,504	11,338
20%	8,603	7,059	10,673	12,895	18,724	12,828	8,284	9,139	11,890	15,000	11,520	9,366
30%	7,428	5,589	6,361	7,627	9,363	8,789	7,178	9,000	11,423	14,362	11,129	7,140
40%	6,433	5,290	4,541	4,500	5,748	4,500	6,443	8,151	11,013	13,601	10,718	6,398
50%	6,101	4,915	4,260	4,355	4,500	4,500	5,881	7,655	10,382	13,031	10,501	5,982
60%	5,811	4,693	4,000	3,805	3,878	3,578	5,595	7,171	10,016	12,617	10,110	5,536
70%	5,542	4,398	3,946	3,439	3,250	3,250	4,674	6,536	9,690	12,114	9,688	5,215
80%	5,071	4,243	3,466	3,250	3,250	3,250	4,500	6,116	9,405	11,744	9,222	5,002
90%	4,569	3,634	3,250	3,250	3,250	3,250	3,390	5,453	8,843	10,948	8,638	4,586
Long Term												
Full Simulation Period[a]	6,530	5,845	7,267	8,614	10,355	8,728	7,038	7,967	10,742	13,123	10,476	6,899
Water Year Types[b]												
Wet (32%)	6,886	6,672	12,766	16,526	18,577	16,200	9,418	9,508	10,375	12,779	11,029	9,385
Above Normal (15%)	7,145	6,224	5,531	8,318	14,409	9,131	6,182	7,709	11,147	14,056	10,449	5,862
Below Normal (17%)	6,396	5,088	5,413	4,502	5,981	5,200	5,426	7,193	10,758	12,965	10,139	5,492
Dry (22%)	6,128	5,669	4,215	3,996	3,684	3,903	5,803	7,349	11,224	13,302	10,627	5,985
Critical (15%)	5,902	4,822	3,828	3,490	3,599	3,487	6,472	6,715	10,392	12,849	9,473	5,563

Alternative 9 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,066	10,593	16,259	20,735	30,131	20,167	10,633	11,529	14,580	15,112	12,454	14,936
20%	7,816	8,822	6,641	13,154	21,836	12,351	8,610	9,903	13,785	15,000	11,313	13,886
30%	7,038	7,455	4,631	8,177	10,340	8,026	7,149	8,690	12,406	15,000	10,902	11,556
40%	6,724	5,995	4,321	4,500	4,500	4,500	6,104	7,816	11,471	14,735	10,582	9,385
50%	6,197	5,193	4,000	4,184	4,500	4,500	5,509	7,445	10,755	13,693	10,222	6,507
60%	5,702	4,437	4,000	3,704	3,462	3,669	4,752	6,625	10,374	13,187	9,902	5,696
70%	5,115	4,086	3,662	3,250	3,250	3,250	4,500	6,051	9,914	12,727	9,457	4,671
80%	4,586	4,000	3,363	3,250	3,250	3,250	4,500	5,792	9,039	11,862	8,856	4,205
90%	3,902	3,796	3,250	3,250	3,250	3,250	3,702	5,212	7,920	10,554	7,931	3,932
Long Term												
Full Simulation Period[a]	6,313	6,457	6,543	9,138	11,199	8,750	6,843	7,773	11,149	13,400	10,002	8,346
Water Year Types[b]												
Wet (32%)	6,944	7,461	10,797	18,566	20,997	17,067	8,988	7,146	10,261	13,972	10,219	13,633
Above Normal (15%)	6,311	7,223	5,243	8,314	15,399	8,477	5,776	7,824	12,245	14,835	10,847	9,876
Below Normal (17%)	6,070	6,516	5,344	4,329	6,237	4,165	5,028	7,047	10,744	12,784	9,946	5,731
Dry (22%)	6,394	5,262	3,892	3,592	3,327	3,925	6,034	9,344	12,063	13,329	10,521	4,359
Critical (15%)	5,112	5,240	4,001	3,460	3,364	3,592	6,590	7,568	11,081	11,550	7,970	4,395

Alternative 9 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	36	1,611	209	-4	2,723	1,588	-965	615	2,028	112	-50	3,597
20%	-787	1,763	-4,032	259	3,112	-477	326	764	1,895	0	-207	4,520
30%	-390	1,866	-1,730	550	978	-762	-30	-311	983	638	-226	4,416
40%	292	705	-220	0	-1,248	0	-339	-335	458	1,134	-136	2,987
50%	97	278	-260	-172	0	0	-372	-210	374	662	-279	524
60%	-110	-256	0	-101	-416	91	-843	-546	359	570	-208	160
70%	-426	-312	-284	-189	0	0	-174	-485	224	613	-231	-544
80%	-486	-243	-103	0	0	0	0	-323	-366	119	-366	-797
90%	-667	163	0	0	0	0	312	-240	-923	-394	-707	-654
Long Term												
Full Simulation Period[a]	-216	612	-724	524	843	23	-195	-194	407	277	-475	1,447
Water Year Types[b]												
Wet (32%)	58	789	-1,969	2,040	2,420	868	-429	-2,362	-115	1,193	-810	4,248
Above Normal (15%)	-833	999	-288	-3	989	-654	-406	115	1,098	779	399	4,013
Below Normal (17%)	-326	1,428	-69	-172	256	-1,034	-398	-145	-15	-181	-193	239
Dry (22%)	266	-407	-322	-404	-356	22	231	1,996	840	27	-106	-1,627
Critical (15%)	-791	417	172	-31	-235	105	119	853	689	-1,300	-1,502	-1,168

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-15-14. Sacramento River d/s of Keswick Reservoir, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,552	10,388	16,297	20,731	30,081	20,167	10,223	10,849	14,209	15,000	12,290	14,750
20%	8,567	9,100	7,205	11,727	21,836	12,767	7,995	8,717	13,151	15,000	11,791	12,938
30%	7,800	7,335	4,796	9,386	9,054	7,710	6,649	7,885	12,368	15,000	11,454	10,764
40%	7,209	5,980	4,326	4,500	4,500	4,500	6,119	7,428	11,643	15,000	10,867	8,654
50%	6,558	4,920	4,000	4,482	4,500	4,500	5,443	6,832	10,924	14,614	10,472	6,372
60%	6,046	4,411	3,830	3,947	3,565	3,753	4,803	6,353	10,506	13,901	10,065	5,448
70%	5,645	4,070	3,516	3,251	3,250	3,250	4,500	6,003	9,933	12,809	9,708	4,651
80%	4,746	4,000	3,270	3,250	3,250	3,250	4,500	5,452	9,142	12,171	9,316	4,401
90%	4,000	3,488	3,250	3,250	3,250	3,250	3,719	5,152	8,411	10,946	7,947	3,931
Long Term												
Full Simulation Period[a]	6,752	6,324	6,557	9,215	11,039	8,800	6,733	7,233	11,160	13,689	10,269	8,094
Water Year Types[b]												
Wet (32%)	7,034	7,539	11,022	18,233	20,853	17,065	9,131	7,149	10,274	14,098	10,491	12,833
Above Normal (15%)	7,152	7,134	5,377	8,205	15,297	8,818	5,536	7,783	12,032	15,098	11,641	9,898
Below Normal (17%)	7,072	5,936	5,195	4,184	5,544	4,318	5,009	6,272	10,947	13,177	10,261	5,601
Dry (22%)	6,494	5,406	3,936	4,096	3,410	3,814	5,533	7,681	11,898	13,727	10,986	4,469
Critical (15%)	5,752	4,710	3,582	4,238	3,372	3,583	6,550	7,316	11,350	11,935	7,348	4,368

Alternative 1A,1B,1C (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	14,788	5,796	16,623	20,427	30,081	20,172	10,582	11,905	15,000	15,000	11,449	7,237
20%	12,371	4,939	8,740	10,789	22,169	12,351	8,918	9,870	14,679	15,000	10,863	6,923
30%	10,127	4,646	6,097	9,195	9,838	8,417	7,674	9,183	13,824	15,000	10,325	6,550
40%	8,718	4,456	4,377	6,462	4,782	4,546	6,630	8,518	13,202	14,684	9,957	6,226
50%	7,749	4,172	4,000	4,500	4,500	4,500	6,064	7,729	12,444	13,980	9,642	5,804
60%	6,665	4,000	4,000	4,247	4,115	4,007	5,431	7,088	11,813	12,818	9,261	5,603
70%	5,698	4,000	3,695	3,644	3,264	3,404	4,541	6,471	11,034	12,167	8,654	5,067
80%	4,386	4,000	3,408	3,250	3,250	3,250	4,500	6,074	10,052	11,115	8,125	4,373
90%	3,904	3,488	3,250	3,250	3,250	3,250	3,772	5,350	8,515	10,077	7,475	3,921
Long Term												
Full Simulation Period[a]	8,242	4,968	6,958	9,503	11,442	8,924	7,127	8,124	12,195	13,155	9,403	5,794
Water Year Types[b]												
Wet (32%)	8,025	6,401	11,953	18,615	20,844	17,202	9,088	7,871	11,776	14,172	10,302	6,998
Above Normal (15%)	8,462	4,457	5,376	7,987	16,741	8,558	6,137	8,868	13,789	14,686	10,580	6,253
Below Normal (17%)	8,950	4,241	5,412	5,666	6,245	4,873	5,722	7,346	11,599	12,134	9,462	5,284
Dry (22%)	8,106	4,319	4,206	4,371	3,609	3,732	6,308	8,957	12,498	12,593	8,874	4,722
Critical (15%)	7,875	4,196	3,645	3,452	3,586	3,867	6,733	7,586	11,750	11,451	7,004	4,927

Alternative 1A,1B,1C (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	5,236	**-4,592**	326	**-305**	0	5	359	1,056	791	0	**-840**	**-7,513**
20%	3,804	**-4,161**	1,535	**-938**	333	**-416**	924	1,153	1,529	0	**-927**	**-6,014**
30%	2,327	**-2,689**	1,301	**-191**	784	707	1,025	1,298	1,456	0	**-1,129**	**-4,214**
40%	1,508	**-1,524**	51	1,962	282	46	511	1,091	1,559	**-316**	**-911**	**-2,429**
50%	1,191	**-748**	0	18	0	0	622	897	1,520	**-634**	**-829**	**-568**
60%	619	**-411**	170	300	550	254	628	734	1,308	**-1,083**	**-803**	156
70%	53	**-70**	179	393	14	154	41	468	1,102	**-641**	**-1,054**	417
80%	**-360**	0	138	0	0	0	0	622	910	**-1,056**	**-1,191**	**-28**
90%	**-96**	0	0	0	0	0	53	198	104	**-870**	**-471**	**-10**
Long Term												
Full Simulation Period[a]	1,491	**-1,356**	401	288	403	124	393	890	1,035	**-534**	**-865**	**-2,300**
Water Year Types[b]												
Wet (32%)	990	**-1,138**	931	382	**-9**	137	**-43**	722	1,502	75	**-189**	**-5,835**
Above Normal (15%)	1,310	**-2,677**	**-1**	**-217**	1,444	**-260**	601	1,085	1,758	**-412**	**-1,061**	**-3,645**
Below Normal (17%)	1,877	**-1,695**	217	1,483	700	555	714	1,074	651	**-1,043**	**-798**	**-317**
Dry (22%)	1,611	**-1,087**	270	275	199	**-82**	775	1,275	600	**-1,133**	**-2,112**	254
Critical (15%)	2,124	**-514**	63	**-786**	214	283	183	270	400	**-484**	**-344**	559

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-15-15. Sacramento River d/s of Keswick Reservoir, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,552	10,388	16,297	20,731	30,081	20,167	10,223	10,849	14,209	15,000	12,290	14,750
20%	8,567	9,100	7,205	11,727	21,836	12,767	7,995	8,717	13,151	15,000	11,791	12,938
30%	7,800	7,335	4,796	9,386	9,054	7,710	6,649	7,885	12,368	15,000	11,454	10,764
40%	7,209	5,980	4,326	4,500	4,500	4,500	6,119	7,428	11,643	15,000	10,867	8,654
50%	6,558	4,920	4,000	4,482	4,500	4,500	5,443	6,832	10,924	14,614	10,472	6,372
60%	6,046	4,411	3,830	3,947	3,565	3,753	4,803	6,353	10,506	13,901	10,065	5,448
70%	5,645	4,070	3,516	3,251	3,250	3,250	4,500	6,003	9,933	12,809	9,708	4,651
80%	4,746	4,000	3,270	3,250	3,250	3,250	4,500	5,452	9,142	12,171	9,316	4,401
90%	4,000	3,488	3,250	3,250	3,250	3,250	3,719	5,152	8,411	10,946	7,947	3,931
Long Term												
Full Simulation Period[a]	6,752	6,324	6,557	9,215	11,039	8,800	6,733	7,233	11,160	13,689	10,269	8,094
Water Year Types[b]												
Wet (32%)	7,034	7,539	11,022	18,233	20,853	17,065	9,131	7,149	10,274	14,098	10,491	12,833
Above Normal (15%)	7,152	7,134	5,377	8,205	15,297	8,818	5,536	7,783	12,032	15,098	11,641	9,898
Below Normal (17%)	7,072	5,936	5,195	4,184	5,544	4,318	5,009	6,272	10,947	13,177	10,261	5,601
Dry (22%)	6,494	5,406	3,936	4,096	3,410	3,814	5,533	7,681	11,898	13,727	10,986	4,469
Critical (15%)	5,752	4,710	3,582	4,238	3,372	3,583	6,550	7,316	11,350	11,935	7,348	4,368

Alternative 2A,2B,2C (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,702	7,545	15,132	20,808	30,081	20,167	10,240	11,629	14,982	15,000	11,835	14,605
20%	8,667	5,995	9,158	12,408	20,852	12,351	8,514	10,128	14,232	15,000	10,991	12,756
30%	7,975	5,114	4,858	8,258	10,397	8,280	7,076	9,120	13,650	15,000	10,531	11,403
40%	7,268	4,724	4,208	4,500	4,742	4,500	6,052	8,031	12,979	14,974	10,232	8,694
50%	6,651	4,542	4,000	4,482	4,500	4,500	5,697	7,587	12,355	13,848	9,920	7,153
60%	6,085	4,266	4,000	3,947	3,600	4,007	4,915	6,872	11,627	13,466	9,439	5,213
70%	5,609	4,000	3,669	3,266	3,250	3,250	4,500	6,297	11,019	12,561	8,902	4,625
80%	4,780	4,000	3,413	3,250	3,250	3,250	4,500	5,859	10,060	11,274	8,256	4,221
90%	4,000	3,489	3,250	3,250	3,250	3,250	3,721	5,214	8,568	9,959	7,393	3,779
Long Term												
Full Simulation Period[a]	6,789	5,284	6,692	9,179	11,192	8,879	6,844	8,027	12,093	13,248	9,595	8,153
Water Year Types[b]												
Wet (32%)	6,954	6,350	10,803	18,565	20,779	17,152	9,042	7,752	11,585	14,048	10,275	13,114
Above Normal (15%)	7,470	5,562	5,301	7,772	15,609	8,935	5,779	9,049	13,776	14,688	10,874	9,331
Below Normal (17%)	6,578	4,655	5,728	4,315	6,318	4,246	5,375	7,180	11,636	12,911	9,839	4,723
Dry (22%)	6,789	4,604	4,113	3,745	3,408	3,858	5,756	8,756	12,402	12,833	9,368	4,874
Critical (15%)	5,997	4,454	4,171	4,073	3,364	3,835	6,493	7,496	11,580	11,087	6,896	5,145

Alternative 2A,2B,2C (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	150	-2,843	-1,165	76	0	0	17	780	773	0	-455	-145
20%	101	-3,105	1,953	681	-984	-416	519	1,411	1,081	0	-800	-182
30%	176	-2,221	63	-1,129	1,344	570	427	1,235	1,282	0	-923	638
40%	58	-1,257	-119	0	242	0	-68	604	1,336	-26	-635	40
50%	93	-378	0	0	0	0	255	755	1,431	-767	-552	781
60%	39	-145	170	0	35	254	112	519	1,122	-435	-625	-234
70%	-36	-70	153	15	0	0	0	294	1,087	-247	-806	-25
80%	34	0	144	0	0	0	0	407	918	-897	-1,060	-179
90%	0	1	0	0	0	0	2	63	157	-987	-554	-152
Long Term												
Full Simulation Period[a]	37	-1,039	135	-37	153	79	111	794	933	-441	-674	59
Water Year Types[b]												
Wet (32%)	-80	-1,189	-219	332	-74	87	-88	603	1,311	-49	-216	281
Above Normal (15%)	318	-1,572	-76	-432	312	117	243	1,265	1,744	-410	-767	-567
Below Normal (17%)	-494	-1,281	533	132	774	-72	366	909	688	-265	-422	-878
Dry (22%)	294	-802	177	-351	-2	44	223	1,075	504	-894	-1,617	405
Critical (15%)	245	-256	589	-165	-8	251	-57	180	230	-848	-452	776

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-15-16. Sacramento River d/s of Keswick Reservoir, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,552	10,388	16,297	20,731	30,081	20,167	10,223	10,849	14,209	15,000	12,290	14,750
20%	8,567	9,100	7,205	11,727	21,836	12,767	7,995	8,717	13,151	15,000	11,791	12,938
30%	7,800	7,335	4,796	9,386	9,054	7,710	6,649	7,885	12,368	15,000	11,454	10,764
40%	7,209	5,980	4,326	4,500	4,500	4,500	6,119	7,428	11,643	15,000	10,867	8,654
50%	6,558	4,920	4,000	4,482	4,500	4,500	5,443	6,832	10,924	14,614	10,472	6,372
60%	6,046	4,411	3,830	3,947	3,565	3,753	4,803	6,353	10,506	13,901	10,065	5,448
70%	5,645	4,070	3,516	3,251	3,250	3,250	4,500	6,003	9,933	12,809	9,708	4,651
80%	4,746	4,000	3,270	3,250	3,250	3,250	4,500	5,452	9,142	12,171	9,316	4,401
90%	4,000	3,488	3,250	3,250	3,250	3,250	3,719	5,152	8,411	10,946	7,947	3,931
Long Term												
Full Simulation Period[a]	6,752	6,324	6,557	9,215	11,039	8,800	6,733	7,233	11,160	13,689	10,269	8,094
Water Year Types[b]												
Wet (32%)	7,034	7,539	11,022	18,233	20,853	17,065	9,131	7,149	10,274	14,098	10,491	12,833
Above Normal (15%)	7,152	7,134	5,377	8,205	15,297	8,818	5,536	7,783	12,032	15,098	11,641	9,898
Below Normal (17%)	7,072	5,936	5,195	4,184	5,544	4,318	5,009	6,272	10,947	13,177	10,261	5,601
Dry (22%)	6,494	5,406	3,936	4,096	3,410	3,814	5,533	7,681	11,898	13,727	10,986	4,469
Critical (15%)	5,752	4,710	3,582	4,238	3,372	3,583	6,550	7,316	11,350	11,935	7,348	4,368

Alternative 3 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	13,789	5,711	16,690	20,735	30,081	20,167	10,582	11,916	14,973	15,000	11,473	7,505
20%	11,772	4,938	9,108	11,863	20,428	12,351	8,851	10,173	14,487	15,000	10,971	7,158
30%	10,248	4,635	5,906	9,197	9,834	8,802	7,510	9,125	13,425	15,000	10,371	6,725
40%	8,193	4,468	4,370	6,737	6,262	4,616	6,472	8,737	12,880	14,979	10,009	6,196
50%	7,416	4,230	4,000	4,500	4,500	4,500	5,739	7,730	12,322	14,103	9,586	5,687
60%	6,739	4,007	4,000	4,119	3,988	4,129	5,242	7,002	11,778	13,069	9,259	5,347
70%	5,667	4,000	3,662	3,538	3,285	3,426	4,500	6,343	10,850	12,173	8,600	5,066
80%	4,309	4,000	3,402	3,250	3,250	3,250	4,500	5,978	10,107	11,201	8,205	4,438
90%	3,763	3,446	3,250	3,250	3,250	3,250	3,721	5,448	8,547	10,155	7,419	3,887
Long Term												
Full Simulation Period[a]	8,138	4,916	7,044	9,509	11,490	8,973	7,013	8,126	12,052	13,262	9,427	5,857
Water Year Types[b]												
Wet (32%)	7,984	6,096	11,856	18,760	21,163	17,207	9,089	7,824	11,605	14,236	10,327	7,066
Above Normal (15%)	8,802	4,524	5,276	8,054	15,935	8,788	6,062	8,823	13,622	14,721	10,634	6,412
Below Normal (17%)	8,371	4,211	5,523	5,344	6,636	4,868	5,684	7,481	11,535	12,706	9,373	5,251
Dry (22%)	7,926	4,475	4,695	4,237	3,761	3,747	5,886	8,971	12,202	12,516	9,019	4,651
Critical (15%)	7,851	4,233	3,688	3,689	3,341	3,945	6,709	7,567	11,829	11,459	6,947	5,194

Alternative 3 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4,237	**-4,677**	393	4	0	**0**	359	1,067	764	0	**-816**	**-7,245**
20%	3,206	**-4,162**	1,903	137	**-1,408**	**-416**	856	1,456	1,336	0	**-820**	**-5,780**
30%	2,448	**-2,700**	1,110	**-189**	781	1,092	861	1,240	1,057	0	**-1,083**	**-4,039**
40%	983	**-1,513**	44	2,237	1,762	116	353	1,310	1,237	**-21**	**-859**	**-2,458**
50%	858	**-690**	0	18	0	0	296	898	1,398	**-511**	**-886**	**-685**
60%	693	**-405**	170	171	424	376	439	649	1,272	**-833**	**-805**	**-101**
70%	21	**-70**	146	286	35	176	0	340	918	**-636**	**-1,109**	415
80%	**-437**	0	132	0	0	0	0	526	965	**-969**	**-1,111**	37
90%	**-237**	**-42**	0	0	0	0	2	296	137	**-792**	**-528**	**-44**
Long Term												
Full Simulation Period[a]	1,386	**-1,408**	488	294	450	173	280	892	892	**-427**	**-841**	**-2,237**
Water Year Types[b]												
Wet (32%)	949	**-1,443**	834	527	309	141	**-42**	674	1,330	138	**-164**	**-5,767**
Above Normal (15%)	1,650	**-2,610**	**-102**	**-151**	638	**-29**	526	1,040	1,591	**-376**	**-1,006**	**-3,486**
Below Normal (17%)	1,299	**-1,725**	328	1,160	1,092	550	675	1,210	588	**-471**	**-888**	**-350**
Dry (22%)	1,432	**-931**	759	142	351	**-67**	353	1,289	304	**-1,211**	**-1,967**	182
Critical (15%)	2,100	**-477**	105	**-549**	**-31**	362	159	251	478	**-476**	**-400**	826

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-15-17. Sacramento River d/s of Keswick Reservoir, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	9,552	10,388	16,297	20,731	30,081	20,167	10,223	10,849	14,209	15,000	12,290	14,750
20%	8,567	9,100	7,205	11,727	21,836	12,767	7,995	8,717	13,151	15,000	11,791	12,938
30%	7,800	7,335	4,796	9,386	9,054	7,710	6,649	7,885	12,368	15,000	11,454	10,764
40%	7,209	5,980	4,326	4,500	4,500	4,500	6,119	7,428	11,643	15,000	10,867	8,654
50%	6,558	4,920	4,000	4,482	4,500	4,500	5,443	6,832	10,924	14,614	10,472	6,372
60%	6,046	4,411	3,830	3,947	3,565	3,753	4,803	6,353	10,506	13,901	10,065	5,448
70%	5,645	4,070	3,516	3,251	3,250	3,250	4,500	6,003	9,933	12,809	9,708	4,651
80%	4,746	4,000	3,270	3,250	3,250	3,250	4,500	5,452	9,142	12,171	9,316	4,401
90%	4,000	3,488	3,250	3,250	3,250	3,250	3,719	5,152	8,411	10,946	7,947	3,931
Long Term												
Full Simulation Period[a]	6,752	6,324	6,557	9,215	11,039	8,800	6,733	7,233	11,160	13,689	10,269	8,094
Water Year Types[b]												
Wet (32%)	7,034	7,539	11,022	18,233	20,853	17,065	9,131	7,149	10,274	14,098	10,491	12,833
Above Normal (15%)	7,152	7,134	5,377	8,205	15,297	8,818	5,536	7,783	12,032	15,098	11,641	9,898
Below Normal (17%)	7,072	5,936	5,195	4,184	5,544	4,318	5,009	6,272	10,947	13,177	10,261	5,601
Dry (22%)	6,494	5,406	3,936	4,096	3,410	3,814	5,533	7,681	11,898	13,727	10,986	4,469
Critical (15%)	5,752	4,710	3,582	4,238	3,372	3,583	6,550	7,316	11,350	11,935	7,348	4,368

Alternative 4 H1 (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	9,155	5,480	15,965	24,073	30,081	20,184	10,523	11,800	15,000	15,550	12,509	7,411
20%	8,300	4,859	10,192	15,389	23,524	12,481	8,515	10,023	14,739	15,000	11,213	6,975
30%	7,504	4,541	5,608	9,704	13,478	8,802	7,012	9,062	13,754	15,000	10,857	6,712
40%	7,032	4,304	4,867	6,004	6,558	5,257	6,297	8,073	12,927	15,000	10,343	6,256
50%	6,335	4,050	4,146	4,500	4,500	4,500	5,603	7,534	12,358	14,355	10,011	6,075
60%	5,758	4,000	4,000	4,180	4,000	4,048	4,968	6,843	11,446	13,780	9,519	5,852
70%	5,261	4,000	3,695	3,492	3,250	3,426	4,500	6,282	10,931	12,864	8,955	5,336
80%	4,591	4,000	3,471	3,250	3,250	3,250	4,500	5,740	9,913	11,535	8,505	4,573
90%	3,918	3,489	3,250	3,250	3,250	3,250	3,746	5,221	8,477	10,350	7,836	4,165
Long Term												
Full Simulation Period[a]	6,528	4,778	7,253	10,050	11,725	9,043	6,896	7,960	12,059	13,527	9,857	5,996
Water Year Types[b]												
Wet (32%)	6,437	5,788	12,552	19,502	21,375	17,171	9,155	7,589	11,390	14,332	10,385	7,110
Above Normal (15%)	6,886	4,559	5,453	9,589	16,952	9,319	5,833	8,750	13,532	15,088	11,427	6,205
Below Normal (17%)	6,543	4,178	5,712	5,129	7,083	4,896	5,398	7,383	11,929	13,090	9,961	5,516
Dry (22%)	6,663	4,256	4,314	4,043	3,415	3,746	5,774	8,721	12,667	13,117	9,485	5,160
Critical (15%)	6,148	4,294	3,777	4,780	3,470	3,940	6,494	7,505	11,276	11,346	7,582	5,187

Alternative 4 H1 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	**-397**	**-4,908**	**-333**	3,341	0	17	300	951	791	550	219	**-7,339**
20%	**-266**	**-4,242**	2,987	3,662	1,689	**-286**	520	1,306	1,588	0	**-578**	**-5,963**
30%	**-296**	**-2,794**	812	318	4,424	1,092	364	1,177	1,386	0	**-597**	**-4,052**
40%	**-178**	**-1,676**	541	1,504	2,058	757	178	645	1,284	0	**-524**	**-2,398**
50%	**-223**	**-870**	146	18	0	0	160	702	1,433	**-260**	**-460**	**-297**
60%	**-288**	**-411**	170	233	436	295	165	490	940	**-121**	**-546**	405
70%	**-384**	**-70**	179	241	0	176	0	279	999	55	**-753**	685
80%	**-156**	0	201	0	0	0	0	288	771	**-635**	**-811**	172
90%	**-82**	1	0	0	0	0	27	69	66	**-596**	**-111**	234
Long Term												
Full Simulation Period[a]	**-224**	**-1,545**	696	834	686	243	162	727	899	**-162**	**-411**	**-2,098**
Water Year Types[b]												
Wet (32%)	**-597**	**-1,752**	1,529	1,269	522	106	25	440	1,116	234	**-106**	**-5,723**
Above Normal (15%)	**-265**	**-2,575**	76	1,385	1,655	501	297	967	1,500	**-9**	**-214**	**-3,693**
Below Normal (17%)	**-529**	**-1,757**	518	946	1,539	579	389	1,111	982	**-87**	**-300**	**-85**
Dry (22%)	168	**-1,150**	378	**-53**	5	**-68**	241	1,040	769	**-610**	**-1,501**	692
Critical (15%)	396	**-416**	195	542	97	356	**-56**	190	**-74**	**-589**	234	818

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-15-18. Sacramento River d/s of Keswick Reservoir, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,552	10,388	16,297	20,731	30,081	20,167	10,223	10,849	14,209	15,000	12,290	14,750
20%	8,567	9,100	7,205	11,727	21,836	12,767	7,995	8,717	13,151	15,000	11,791	12,938
30%	7,800	7,335	4,796	9,386	9,054	7,710	6,649	7,885	12,368	15,000	11,454	10,764
40%	7,209	5,980	4,326	4,500	4,500	4,500	6,119	7,428	11,643	15,000	10,867	8,654
50%	6,558	4,920	4,000	4,482	4,500	4,500	5,443	6,832	10,924	14,614	10,472	6,372
60%	6,046	4,411	3,830	3,947	3,565	3,753	4,803	6,353	10,506	13,901	10,065	5,448
70%	5,645	4,070	3,516	3,251	3,250	3,250	4,500	6,003	9,933	12,809	9,708	4,651
80%	4,746	4,000	3,270	3,250	3,250	3,250	4,500	5,452	9,142	12,171	9,316	4,401
90%	4,000	3,488	3,250	3,250	3,250	3,250	3,719	5,152	8,411	10,946	7,947	3,931
Long Term												
Full Simulation Period[a]	6,752	6,324	6,557	9,215	11,039	8,800	6,733	7,233	11,160	13,689	10,269	8,094
Water Year Types[b]												
Wet (32%)	7,034	7,539	11,022	18,233	20,853	17,065	9,131	7,149	10,274	14,098	10,491	12,833
Above Normal (15%)	7,152	7,134	5,377	8,205	15,297	8,818	5,536	7,783	12,032	15,098	11,641	9,898
Below Normal (17%)	7,072	5,936	5,195	4,184	5,544	4,318	5,009	6,272	10,947	13,177	10,261	5,601
Dry (22%)	6,494	5,406	3,936	4,096	3,410	3,814	5,533	7,681	11,898	13,727	10,986	4,469
Critical (15%)	5,752	4,710	3,582	4,238	3,372	3,583	6,550	7,316	11,350	11,935	7,348	4,368

Alternative 4 H2 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,653	5,957	17,315	22,290	30,081	20,184	10,513	11,556	13,831	15,000	13,683	8,238
20%	8,261	5,057	9,003	14,695	22,290	12,351	7,955	8,855	13,137	15,000	12,764	7,143
30%	7,616	4,573	4,574	9,936	13,052	8,995	6,916	8,095	12,278	15,000	11,648	6,918
40%	6,884	4,369	4,220	6,325	6,370	4,510	6,261	7,528	11,766	15,000	11,141	6,641
50%	6,493	4,213	4,000	4,586	4,500	4,500	5,547	6,934	11,308	14,431	10,413	6,348
60%	6,088	4,000	3,941	4,307	3,808	3,807	4,877	6,440	10,892	13,395	10,048	6,048
70%	5,506	4,000	3,525	3,687	3,250	3,250	4,500	6,046	10,066	12,195	9,593	5,663
80%	4,859	3,902	3,363	3,250	3,250	3,250	4,500	5,711	9,344	11,458	8,708	5,211
90%	3,989	3,483	3,250	3,250	3,250	3,250	3,721	5,326	8,095	10,784	7,787	4,138
Long Term												
Full Simulation Period[a]	6,747	4,841	7,172	10,006	11,667	8,973	6,799	7,563	11,231	13,525	10,494	6,402
Water Year Types[b]												
Wet (32%)	6,599	5,893	12,997	19,415	21,503	17,165	9,132	7,345	10,618	14,135	10,820	7,242
Above Normal (15%)	7,339	4,519	5,165	9,370	16,830	9,239	5,712	8,482	11,648	14,809	11,946	6,304
Below Normal (17%)	6,415	4,445	5,343	5,163	6,657	4,745	5,242	6,481	10,863	12,910	10,673	6,654
Dry (22%)	6,726	4,365	3,925	4,375	3,408	3,753	5,609	8,198	12,120	13,495	10,772	5,573
Critical (15%)	6,897	4,062	3,560	4,357	3,429	3,718	6,431	7,424	11,240	11,681	7,707	5,632

Alternative 4 H2 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	101	**-4,431**	1,018	1,558	0	17	290	708	**-378**	0	1,394	**-6,512**
20%	**-305**	**-4,044**	1,798	2,969	455	**-416**	**-39**	138	**-14**	0	973	**-5,794**
30%	**-184**	**-2,762**	**-222**	549	3,998	1,285	267	210	**-90**	0	195	**-3,846**
40%	**-325**	**-1,611**	**-106**	1,825	1,870	10	142	100	123	0	274	**-2,013**
50%	**-65**	**-707**	0	104	0	0	105	102	384	**-184**	**-58**	**-24**
60%	42	**-411**	111	360	243	54	73	86	386	**-507**	**-17**	600
70%	**-139**	**-70**	10	436	0	**0**	0	43	134	**-614**	**-115**	1,013
80%	112	**-98**	93	0	0	0	0	260	202	**-712**	**-608**	811
90%	**-11**	**-5**	0	0	0	0	2	174	**-316**	**-162**	**-160**	207
Long Term												
Full Simulation Period[a]	**-4**	**-1,483**	615	791	628	172	65	329	71	**-164**	225	**-1,692**
Water Year Types[b]												
Wet (32%)	**-436**	**-1,646**	1,975	1,181	649	100	2	196	343	37	329	**-5,592**
Above Normal (15%)	188	**-2,615**	**-212**	1,165	1,533	421	176	699	**-383**	**-288**	306	**-3,594**
Below Normal (17%)	**-657**	**-1,491**	148	979	1,113	427	233	209	**-84**	**-267**	412	1,053
Dry (22%)	231	**-1,041**	**-11**	279	**-2**	**-61**	76	516	222	**-232**	**-214**	1,105
Critical (15%)	1,145	**-648**	**-22**	119	57	134	**-119**	109	**-111**	**-254**	359	1,264

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-15-19. Sacramento River d/s of Keswick Reservoir, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,552	10,388	16,297	20,731	30,081	20,167	10,223	10,849	14,209	15,000	12,290	14,750
20%	8,567	9,100	7,205	11,727	21,836	12,767	7,995	8,717	13,151	15,000	11,791	12,938
30%	7,800	7,335	4,796	9,386	9,054	7,710	6,649	7,885	12,368	15,000	11,454	10,764
40%	7,209	5,980	4,326	4,500	4,500	4,500	6,119	7,428	11,643	15,000	10,867	8,654
50%	6,558	4,920	4,000	4,482	4,500	4,500	5,443	6,832	10,924	14,614	10,472	6,372
60%	6,046	4,411	3,830	3,947	3,565	3,753	4,803	6,353	10,506	13,901	10,065	5,448
70%	5,645	4,070	3,516	3,251	3,250	3,250	4,500	6,003	9,933	12,809	9,708	4,651
80%	4,746	4,000	3,270	3,250	3,250	3,250	4,500	5,452	9,142	12,171	9,316	4,401
90%	4,000	3,488	3,250	3,250	3,250	3,250	3,719	5,152	8,411	10,946	7,947	3,931
Long Term												
Full Simulation Period[a]	6,752	6,324	6,557	9,215	11,039	8,800	6,733	7,233	11,160	13,689	10,269	8,094
Water Year Types[b]												
Wet (32%)	7,034	7,539	11,022	18,233	20,853	17,065	9,131	7,149	10,274	14,098	10,491	12,833
Above Normal (15%)	7,152	7,134	5,377	8,205	15,297	8,818	5,536	7,783	12,032	15,098	11,641	9,898
Below Normal (17%)	7,072	5,936	5,195	4,184	5,544	4,318	5,009	6,272	10,947	13,177	10,261	5,601
Dry (22%)	6,494	5,406	3,936	4,096	3,410	3,814	5,533	7,681	11,898	13,727	10,986	4,469
Critical (15%)	5,752	4,710	3,582	4,238	3,372	3,583	6,550	7,316	11,350	11,935	7,348	4,368

Alternative 4 H3 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	8,726	7,472	15,302	20,808	30,081	20,167	10,549	11,627	14,977	15,155	12,459	14,741
20%	8,051	6,050	6,603	13,647	22,983	12,351	8,490	9,614	14,394	15,000	11,395	12,880
30%	7,552	5,136	4,488	8,258	10,115	7,007	7,156	8,987	13,654	15,000	10,647	11,417
40%	6,917	4,913	4,195	4,500	4,732	4,784	6,173	7,990	13,033	15,000	10,354	8,964
50%	6,605	4,482	4,000	4,482	4,500	4,500	5,657	7,553	12,235	14,092	10,004	7,107
60%	6,083	4,242	4,000	3,997	3,565	4,113	4,852	6,866	11,449	13,443	9,634	5,540
70%	5,501	4,000	3,667	3,292	3,250	3,422	4,500	6,237	10,861	12,541	8,928	4,721
80%	4,554	4,000	3,384	3,250	3,250	3,250	4,500	5,713	10,007	11,257	8,200	4,206
90%	4,000	3,489	3,250	3,250	3,250	3,250	3,720	5,232	8,503	10,451	7,563	3,771
Long Term												
Full Simulation Period[a]	6,555	5,288	6,587	9,235	11,261	8,834	6,852	7,915	12,008	13,421	9,757	8,248
Water Year Types[b]												
Wet (32%)	6,895	6,369	10,870	18,545	20,888	17,139	9,009	7,541	11,240	14,230	10,445	13,194
Above Normal (15%)	7,247	5,469	5,472	7,795	15,871	8,803	5,827	8,971	13,610	14,940	11,287	9,315
Below Normal (17%)	6,435	4,845	5,500	4,342	6,301	4,252	5,414	7,169	11,711	13,020	10,172	4,836
Dry (22%)	6,326	4,535	3,973	3,803	3,407	3,753	5,776	8,608	12,648	12,764	9,420	5,053
Critical (15%)	5,610	4,413	3,613	4,364	3,358	3,842	6,498	7,499	11,456	11,605	6,761	5,239

Alternative 4 H3 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	**-826**	**-2,916**	**-995**	76	0	0	326	778	768	155	169	**-9**
20%	**-516**	**-3,051**	**-602**	1,920	1,148	**-416**	495	897	1,243	0	**-396**	**-57**
30%	**-248**	**-2,199**	**-308**	**-1,129**	1,062	**-703**	507	1,102	1,286	0	**-806**	653
40%	**-293**	**-1,067**	**-131**	0	232	284	54	562	1,390	0	**-513**	310
50%	47	**-438**	0	0	0	0	214	722	1,310	**-522**	**-468**	735
60%	37	**-169**	170	50	0	360	49	513	943	**-458**	**-431**	92
70%	**-145**	**-70**	152	40	0	172	0	234	929	**-267**	**-780**	70
80%	**-192**	0	115	0	0	0	0	261	865	**-914**	**-1,116**	**-195**
90%	0	1	0	0	0	0	0	80	92	**-495**	**-384**	**-160**
Long Term												
Full Simulation Period[a]	**-197**	**-1,036**	30	20	221	34	119	682	848	**-268**	**-511**	154
Water Year Types[b]												
Wet (32%)	**-140**	**-1,170**	**-153**	311	34	73	**-122**	392	966	132	**-45**	361
Above Normal (15%)	95	**-1,665**	95	**-409**	574	**-15**	291	1,188	1,578	**-158**	**-354**	**-583**
Below Normal (17%)	**-637**	**-1,090**	306	159	757	**-66**	406	898	763	**-157**	**-89**	**-765**
Dry (22%)	**-168**	**-871**	37	**-293**	**-2**	**-61**	243	927	750	**-963**	**-1,566**	584
Critical (15%)	**-142**	**-297**	31	126	**-15**	259	**-53**	184	106	**-330**	**-587**	871

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-15-20. Sacramento River d/s of Keswick Reservoir, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,552	10,388	16,297	20,731	30,081	20,167	10,223	10,849	14,209	15,000	12,290	14,750
20%	8,567	9,100	7,205	11,727	21,836	12,767	7,995	8,717	13,151	15,000	11,791	12,938
30%	7,800	7,335	4,796	9,386	9,054	7,710	6,649	7,885	12,368	15,000	11,454	10,764
40%	7,209	5,980	4,326	4,500	4,500	4,500	6,119	7,428	11,643	15,000	10,867	8,654
50%	6,558	4,920	4,000	4,482	4,500	4,500	5,443	6,832	10,924	14,614	10,472	6,372
60%	6,046	4,411	3,830	3,947	3,565	3,753	4,803	6,353	10,506	13,901	10,065	5,448
70%	5,645	4,070	3,516	3,251	3,250	3,250	4,500	6,003	9,933	12,809	9,708	4,651
80%	4,746	4,000	3,270	3,250	3,250	3,250	4,500	5,452	9,142	12,171	9,316	4,401
90%	4,000	3,488	3,250	3,250	3,250	3,250	3,719	5,152	8,411	10,946	7,947	3,931
Long Term												
Full Simulation Period[a]	6,752	6,324	6,557	9,215	11,039	8,800	6,733	7,233	11,160	13,689	10,269	8,094
Water Year Types[b]												
Wet (32%)	7,034	7,539	11,022	18,233	20,853	17,065	9,131	7,149	10,274	14,098	10,491	12,833
Above Normal (15%)	7,152	7,134	5,377	8,205	15,297	8,818	5,536	7,783	12,032	15,098	11,641	9,898
Below Normal (17%)	7,072	5,936	5,195	4,184	5,544	4,318	5,009	6,272	10,947	13,177	10,261	5,601
Dry (22%)	6,494	5,406	3,936	4,096	3,410	3,814	5,533	7,681	11,898	13,727	10,986	4,469
Critical (15%)	5,752	4,710	3,582	4,238	3,372	3,583	6,550	7,316	11,350	11,935	7,348	4,368

Alternative 4 H4 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,143	8,477	16,044	20,808	30,081	20,167	10,516	11,355	14,230	15,000	13,910	15,000
20%	8,391	6,508	6,756	11,553	22,126	12,351	7,623	8,759	13,247	15,000	12,397	13,765
30%	7,690	5,347	4,339	6,896	9,257	7,940	7,004	8,044	12,438	15,000	11,497	11,553
40%	6,927	4,814	4,000	4,500	4,740	4,500	6,059	7,404	11,553	14,942	10,949	10,228
50%	6,557	4,460	4,000	4,184	4,500	4,500	5,598	6,941	11,136	14,050	10,424	8,006
60%	6,160	4,205	3,830	3,947	3,709	3,558	4,804	6,383	10,593	13,565	9,978	6,261
70%	5,572	4,000	3,500	3,274	3,250	3,250	4,500	5,985	9,915	12,667	9,589	5,253
80%	4,753	4,000	3,305	3,250	3,250	3,250	4,500	5,714	9,225	11,447	8,556	4,356
90%	4,000	3,427	3,250	3,250	3,250	3,250	3,702	5,188	8,045	10,715	7,815	3,937
Long Term												
Full Simulation Period[a]	6,761	5,389	6,550	9,045	11,240	8,780	6,707	7,458	11,139	13,521	10,515	8,737
Water Year Types[b]												
Wet (32%)	6,974	6,404	11,040	18,495	20,897	17,135	9,017	7,298	10,500	14,212	10,813	13,577
Above Normal (15%)	7,972	6,086	5,536	7,616	15,633	8,522	5,859	8,364	11,841	14,657	12,176	10,117
Below Normal (17%)	6,339	4,870	5,249	4,437	6,305	4,172	4,898	6,369	10,885	12,900	10,544	5,359
Dry (22%)	6,749	4,618	3,730	3,613	3,408	3,850	5,501	7,956	11,846	13,263	10,764	5,497
Critical (15%)	5,602	4,255	3,584	3,524	3,430	3,707	6,466	7,427	11,055	11,997	7,800	5,671

Alternative 4 H4 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-409	-1,911	-254	76	0	0	293	506	21	0	1,621	250
20%	-175	-2,593	-449	-174	290	-416	-372	42	97	0	606	828
30%	-110	-1,988	-457	-2,491	203	230	355	159	70	0	43	789
40%	-282	-1,166	-326	0	240	0	-60	-23	-91	-58	82	1,574
50%	-1	-460	0	-299	0	0	155	109	212	-565	-48	1,634
60%	114	-206	0	0	144	-195	1	30	87	-337	-87	813
70%	-74	-70	-16	22	0	0	0	-18	-17	-142	-119	602
80%	6	0	36	0	0	0	0	262	83	-724	-760	-45
90%	0	-61	0	0	0	0	-17	36	-366	-231	-131	6
Long Term												
Full Simulation Period[a]	10	-935	-7	-170	201	-20	-27	225	-22	-168	246	643
Water Year Types[b]												
Wet (32%)	-60	-1,135	18	262	44	69	-113	148	226	115	322	743
Above Normal (15%)	820	-1,048	159	-588	336	-296	324	580	-191	-440	535	219
Below Normal (17%)	-734	-1,066	55	253	760	-146	-111	98	-63	-276	283	-242
Dry (22%)	254	-788	-206	-483	-2	36	-32	274	-52	-464	-222	1,028
Critical (15%)	-150	-455	2	-714	58	124	-85	112	-295	63	453	1,302

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-15-21. Sacramento River d/s of Keswick Reservoir, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	9,552	10,388	16,297	20,731	30,081	20,167	10,223	10,849	14,209	15,000	12,290	14,750
20%	8,567	9,100	7,205	11,727	21,836	12,767	7,995	8,717	13,151	15,000	11,791	12,938
30%	7,800	7,335	4,796	9,386	9,054	7,710	6,649	7,885	12,368	15,000	11,454	10,764
40%	7,209	5,980	4,326	4,500	4,500	4,500	6,119	7,428	11,643	15,000	10,867	8,654
50%	6,558	4,920	4,000	4,482	4,500	4,500	5,443	6,832	10,924	14,614	10,472	6,372
60%	6,046	4,411	3,830	3,947	3,565	3,753	4,803	6,353	10,506	13,901	10,065	5,448
70%	5,645	4,070	3,516	3,251	3,250	3,250	4,500	6,003	9,933	12,809	9,708	4,651
80%	4,746	4,000	3,270	3,250	3,250	3,250	4,500	5,452	9,142	12,171	9,316	4,401
90%	4,000	3,488	3,250	3,250	3,250	3,250	3,719	5,152	8,411	10,946	7,947	3,931
Long Term												
Full Simulation Period[a]	6,752	6,324	6,557	9,215	11,039	8,800	6,733	7,233	11,160	13,689	10,269	8,094
Water Year Types[b]												
Wet (32%)	7,034	7,539	11,022	18,233	20,853	17,065	9,131	7,149	10,274	14,098	10,491	12,833
Above Normal (15%)	7,152	7,134	5,377	8,205	15,297	8,818	5,536	7,783	12,032	15,098	11,641	9,898
Below Normal (17%)	7,072	5,936	5,195	4,184	5,544	4,318	5,009	6,272	10,947	13,177	10,261	5,601
Dry (22%)	6,494	5,406	3,936	4,096	3,410	3,814	5,533	7,681	11,898	13,727	10,986	4,469
Critical (15%)	5,752	4,710	3,582	4,238	3,372	3,583	6,550	7,316	11,350	11,935	7,348	4,368

Alternative 5 (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	10,581	7,835	15,063	20,808	30,081	20,167	10,549	11,310	14,657	15,219	12,336	15,000
20%	9,202	6,250	6,697	12,901	21,836	12,351	8,414	9,336	13,885	15,000	11,716	14,013
30%	7,987	5,657	4,807	8,687	8,700	6,507	7,131	8,367	12,823	15,000	11,039	11,526
40%	7,304	5,004	4,305	4,638	4,500	4,537	6,189	7,875	12,357	15,000	10,568	9,439
50%	6,557	4,551	4,000	4,500	4,500	4,500	5,580	7,523	11,754	14,948	10,016	6,771
60%	6,051	4,305	3,917	3,947	3,723	4,007	4,849	6,807	11,152	13,836	9,576	5,157
70%	5,559	4,000	3,613	3,304	3,250	3,250	4,500	6,125	10,291	13,006	9,215	4,569
80%	4,587	4,000	3,402	3,250	3,250	3,250	4,500	5,684	9,628	11,651	8,480	4,190
90%	3,976	3,406	3,250	3,250	3,250	3,250	3,702	5,175	8,332	10,486	7,954	3,815
Long Term												
Full Simulation Period[a]	6,983	5,450	6,421	9,197	11,046	8,789	6,844	7,669	11,619	13,637	9,931	8,328
Water Year Types[b]												
Wet (32%)	7,003	6,646	10,547	18,577	20,878	17,126	9,035	7,341	10,942	14,103	10,962	13,616
Above Normal (15%)	7,739	5,629	5,297	7,566	15,302	8,774	5,811	8,670	12,484	15,168	11,315	9,905
Below Normal (17%)	7,958	4,741	4,835	4,626	5,432	4,249	5,317	6,673	11,719	13,414	10,015	4,758
Dry (22%)	6,458	4,887	4,300	3,729	3,490	3,615	5,630	8,495	12,468	13,544	9,383	4,396
Critical (15%)	5,833	4,349	3,642	4,041	3,370	3,800	6,729	7,304	10,829	11,497	7,039	5,354

Alternative 5 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1,029	**-2,553**	**-1,234**	76	0	0	326	461	448	219	47	250
20%	635	**-2,850**	**-508**	1,174	0	**-416**	419	619	734	0	**-75**	1,076
30%	187	**-1,678**	11	**-699**	**-353**	**-1,203**	482	482	455	0	**-415**	762
40%	95	**-977**	**-21**	138	0	37	70	447	714	0	**-299**	785
50%	**-1**	**-369**	0	18	0	0	138	691	830	333	**-456**	399
60%	5	**-107**	87	0	158	254	46	454	646	**-65**	**-489**	**-291**
70%	**-87**	**-70**	97	52	0	**0**	0	122	358	198	**-493**	**-81**
80%	**-159**	0	132	0	0	0	0	232	486	**-519**	**-836**	**-211**
90%	**-24**	**-81**	0	0	0	0	**-17**	24	**-79**	**-460**	8	**-116**
Long Term												
Full Simulation Period[a]	231	**-874**	**-135**	**-18**	7	**-11**	110	436	458	**-52**	**-337**	234
Water Year Types[b]												
Wet (32%)	**-31**	**-894**	**-476**	344	24	61	**-95**	192	668	5	471	783
Above Normal (15%)	587	**-1,504**	**-81**	**-638**	5	**-44**	275	887	452	70	**-326**	7
Below Normal (17%)	886	**-1,195**	**-360**	442	**-112**	**-69**	308	402	771	237	**-246**	**-843**
Dry (22%)	**-37**	**-519**	364	**-367**	80	**-199**	97	814	570	**-183**	**-1,603**	**-73**
Critical (15%)	81	**-361**	60	**-197**	**-2**	216	179	**-12**	**-521**	**-437**	**-309**	986

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-15-22. Sacramento River d/s of Keswick Reservoir, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,552	10,388	16,297	20,731	30,081	20,167	10,223	10,849	14,209	15,000	12,290	14,750
20%	8,567	9,100	7,205	11,727	21,836	12,767	7,995	8,717	13,151	15,000	11,791	12,938
30%	7,800	7,335	4,796	9,386	9,054	7,710	6,649	7,885	12,368	15,000	11,454	10,764
40%	7,209	5,980	4,326	4,500	4,500	4,500	6,119	7,428	11,643	15,000	10,867	8,654
50%	6,558	4,920	4,000	4,482	4,500	4,500	5,443	6,832	10,924	14,614	10,472	6,372
60%	6,046	4,411	3,830	3,947	3,565	3,753	4,803	6,353	10,506	13,901	10,065	5,448
70%	5,645	4,070	3,516	3,251	3,250	3,250	4,500	6,003	9,933	12,809	9,708	4,651
80%	4,746	4,000	3,270	3,250	3,250	3,250	4,500	5,452	9,142	12,171	9,316	4,401
90%	4,000	3,488	3,250	3,250	3,250	3,250	3,719	5,152	8,411	10,946	7,947	3,931
Long Term												
Full Simulation Period[a]	6,752	6,324	6,557	9,215	11,039	8,800	6,733	7,233	11,160	13,689	10,269	8,094
Water Year Types[b]												
Wet (32%)	7,034	7,539	11,022	18,233	20,853	17,065	9,131	7,149	10,274	14,098	10,491	12,833
Above Normal (15%)	7,152	7,134	5,377	8,205	15,297	8,818	5,536	7,783	12,032	15,098	11,641	9,898
Below Normal (17%)	7,072	5,936	5,195	4,184	5,544	4,318	5,009	6,272	10,947	13,177	10,261	5,601
Dry (22%)	6,494	5,406	3,936	4,096	3,410	3,814	5,533	7,681	11,898	13,727	10,986	4,469
Critical (15%)	5,752	4,710	3,582	4,238	3,372	3,583	6,550	7,316	11,350	11,935	7,348	4,368

Alternative 6A,6B,6C (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	8,207	7,492	14,615	20,808	30,081	20,167	9,911	11,108	14,195	15,000	12,734	12,912
20%	7,853	6,845	8,856	15,447	23,540	12,779	8,212	9,119	13,075	15,000	11,849	10,358
30%	7,522	6,534	4,377	9,138	12,658	6,853	6,648	8,108	12,221	15,000	11,168	9,218
40%	7,041	5,809	4,000	4,500	5,050	4,500	5,671	7,657	11,715	15,000	10,501	7,458
50%	6,817	5,167	4,000	4,333	4,500	4,500	5,390	6,984	10,946	14,773	9,995	6,550
60%	6,623	4,587	3,752	3,753	4,170	3,547	4,553	6,416	10,525	14,474	9,621	5,071
70%	5,716	4,253	3,491	3,250	3,250	3,250	4,500	6,055	10,072	13,671	9,297	4,584
80%	5,102	4,000	3,250	3,250	3,250	3,250	4,432	5,616	9,415	13,033	8,733	4,193
90%	3,941	3,889	3,250	3,250	3,250	3,250	3,721	5,139	8,068	10,987	7,855	3,775
Long Term												
Full Simulation Period[a]	6,482	5,751	6,770	9,634	11,556	8,826	6,669	7,501	11,167	13,902	10,001	7,341
Water Year Types[b]												
Wet (32%)	6,773	6,625	11,977	19,556	21,084	17,167	9,106	7,663	10,622	14,544	11,296	11,366
Above Normal (15%)	6,397	5,972	5,537	9,144	16,435	9,011	5,846	8,333	12,007	14,632	10,530	8,227
Below Normal (17%)	6,780	5,244	4,815	4,301	6,764	4,165	4,809	6,249	10,751	13,219	9,578	4,795
Dry (22%)	6,707	5,281	3,711	3,896	3,437	3,865	5,483	7,750	11,628	14,005	9,892	4,593
Critical (15%)	5,250	4,930	3,588	3,452	3,799	3,446	6,160	7,405	11,301	12,425	7,320	4,824

Alternative 6A,6B,6C (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-1,345	-2,896	-1,683	76	0	0	-312	259	-14	0	444	-1,838
20%	-713	-2,255	1,651	3,720	1,704	11	217	402	-76	0	58	-2,580
30%	-278	-800	-419	-248	3,604	-857	-1	223	-147	0	-286	-1,546
40%	-169	-171	-326	0	550	0	-448	230	71	0	-366	-1,196
50%	259	247	0	-149	0	0	-52	152	21	158	-477	178
60%	577	175	-78	-194	606	-206	-250	62	19	573	-444	-377
70%	70	183	-25	-1	0	0	0	52	140	863	-411	-66
80%	355	0	-19	0	0	0	-68	164	273	862	-583	-207
90%	-59	402	0	0	0	0	2	-13	-343	40	-92	-156
Long Term												
Full Simulation Period[a]	-270	-573	213	418	516	26	-65	268	7	213	-268	-753
Water Year Types[b]												
Wet (32%)	-261	-914	955	1,323	231	101	-25	514	347	446	805	-1,468
Above Normal (15%)	-754	-1,162	160	939	1,138	193	310	550	-25	-466	-1,111	-1,671
Below Normal (17%)	-292	-691	-379	118	1,220	-153	-200	-23	-196	42	-683	-806
Dry (22%)	213	-125	-225	-199	28	51	-50	68	-270	278	-1,094	125
Critical (15%)	-501	220	5	-786	426	-138	-390	90	-49	490	-27	456

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-15-23. Sacramento River d/s of Keswick Reservoir, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,552	10,388	16,297	20,731	30,081	20,167	10,223	10,849	14,209	15,000	12,290	14,750
20%	8,567	9,100	7,205	11,727	21,836	12,767	7,995	8,717	13,151	15,000	11,791	12,938
30%	7,800	7,335	4,796	9,386	9,054	7,710	6,649	7,885	12,368	15,000	11,454	10,764
40%	7,209	5,980	4,326	4,500	4,500	4,500	6,119	7,428	11,643	15,000	10,867	8,654
50%	6,558	4,920	4,000	4,482	4,500	4,500	5,443	6,832	10,924	14,614	10,472	6,372
60%	6,046	4,411	3,830	3,947	3,565	3,753	4,803	6,353	10,506	13,901	10,065	5,448
70%	5,645	4,070	3,516	3,251	3,250	3,250	4,500	6,003	9,933	12,809	9,708	4,651
80%	4,746	4,000	3,270	3,250	3,250	3,250	4,500	5,452	9,142	12,171	9,316	4,401
90%	4,000	3,488	3,250	3,250	3,250	3,250	3,719	5,152	8,411	10,946	7,947	3,931
Long Term												
Full Simulation Period[a]	6,752	6,324	6,557	9,215	11,039	8,800	6,733	7,233	11,160	13,689	10,269	8,094
Water Year Types[b]												
Wet (32%)	7,034	7,539	11,022	18,233	20,853	17,065	9,131	7,149	10,274	14,098	10,491	12,833
Above Normal (15%)	7,152	7,134	5,377	8,205	15,297	8,818	5,536	7,783	12,032	15,098	11,641	9,898
Below Normal (17%)	7,072	5,936	5,195	4,184	5,544	4,318	5,009	6,272	10,947	13,177	10,261	5,601
Dry (22%)	6,494	5,406	3,936	4,096	3,410	3,814	5,533	7,681	11,898	13,727	10,986	4,469
Critical (15%)	5,752	4,710	3,582	4,238	3,372	3,583	6,550	7,316	11,350	11,935	7,348	4,368

Alternative 7 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	8,852	7,420	14,756	20,808	30,081	20,167	10,500	10,350	14,871	15,687	12,196	14,845
20%	7,930	6,679	6,938	13,278	21,836	12,351	7,636	8,964	13,500	15,000	11,712	12,108
30%	7,568	6,084	4,237	8,749	12,431	6,924	6,641	7,901	12,846	15,000	11,072	11,194
40%	7,030	5,730	4,000	4,500	5,074	4,500	5,602	7,672	12,247	15,000	10,677	8,460
50%	6,803	5,152	4,000	4,184	4,500	4,500	5,171	6,848	11,498	14,659	10,337	6,104
60%	6,432	4,507	3,752	3,704	3,890	3,547	4,535	6,292	11,009	14,277	9,984	4,791
70%	6,002	4,215	3,493	3,250	3,250	3,250	4,500	5,921	10,479	13,847	9,607	4,483
80%	5,245	4,000	3,250	3,250	3,250	3,250	4,445	5,617	9,408	12,727	9,026	4,188
90%	4,024	3,583	3,250	3,250	3,250	3,250	3,717	5,089	8,060	11,449	7,595	3,602
Long Term												
Full Simulation Period[a]	6,724	5,651	6,401	9,298	11,490	8,790	6,599	7,422	11,488	13,996	10,067	7,954
Water Year Types[b]												
Wet (32%)	6,948	6,551	11,092	18,994	20,836	17,138	9,088	7,388	11,204	14,266	10,386	13,164
Above Normal (15%)	7,270	5,900	4,856	8,430	16,423	8,871	5,828	8,500	12,590	15,444	11,057	9,125
Below Normal (17%)	6,579	5,157	4,879	4,377	6,811	4,165	4,676	6,217	10,922	13,766	10,448	4,502
Dry (22%)	6,910	5,103	3,713	3,592	3,377	3,834	5,306	7,448	11,610	14,281	10,593	4,782
Critical (15%)	5,585	4,854	3,589	3,460	3,937	3,450	6,162	7,785	11,481	11,806	7,150	4,279

Alternative 7 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-700	-2,968	-1,541	76	0	0	277	-499	662	687	-94	95
20%	-637	-2,421	-267	1,551	0	-416	-359	247	349	0	-79	-829
30%	-231	-1,251	-559	-637	3,377	-786	-8	16	478	0	-382	430
40%	-179	-250	-326	0	574	0	-517	244	604	0	-191	-194
50%	245	232	0	-299	0	0	-271	16	573	45	-135	-268
60%	386	96	-78	-243	326	-206	-268	-61	503	375	-81	-657
70%	357	145	-22	-1	0	0	0	-82	547	1,039	-101	-168
80%	499	0	-20	0	0	0	-55	165	266	557	-289	-213
90%	24	95	0	0	0	0	-2	-63	-351	503	-352	-329
Long Term												
Full Simulation Period[a]	-28	-672	-156	83	451	-10	-134	189	328	308	-202	-140
Water Year Types[b]												
Wet (32%)	-87	-988	70	761	-17	73	-43	239	930	168	-105	331
Above Normal (15%)	118	-1,234	-522	226	1,126	53	292	717	559	347	-584	-772
Below Normal (17%)	-493	-779	-316	194	1,267	-153	-333	-55	-26	589	187	-1,099
Dry (22%)	415	-303	-223	-504	-33	20	-227	-233	-288	554	-393	313
Critical (15%)	-167	145	7	-778	565	-133	-388	470	130	-128	-197	-90

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-15-24. Sacramento River d/s of Keswick Reservoir, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	9,552	10,388	16,297	20,731	30,081	20,167	10,223	10,849	14,209	15,000	12,290	14,750
20%	8,567	9,100	7,205	11,727	21,836	12,767	7,995	8,717	13,151	15,000	11,791	12,938
30%	7,800	7,335	4,796	9,386	9,054	7,710	6,649	7,885	12,368	15,000	11,454	10,764
40%	7,209	5,980	4,326	4,500	4,500	4,500	6,119	7,428	11,643	15,000	10,867	8,654
50%	6,558	4,920	4,000	4,482	4,500	4,500	5,443	6,832	10,924	14,614	10,472	6,372
60%	6,046	4,411	3,830	3,947	3,565	3,753	4,803	6,353	10,506	13,901	10,065	5,448
70%	5,645	4,070	3,516	3,251	3,250	3,250	4,500	6,003	9,933	12,809	9,708	4,651
80%	4,746	4,000	3,270	3,250	3,250	3,250	4,500	5,452	9,142	12,171	9,316	4,401
90%	4,000	3,488	3,250	3,250	3,250	3,250	3,719	5,152	8,411	10,946	7,947	3,931
Long Term												
Full Simulation Period[a]	6,752	6,324	6,557	9,215	11,039	8,800	6,733	7,233	11,160	13,689	10,269	8,094
Water Year Types[b]												
Wet (32%)	7,034	7,539	11,022	18,233	20,853	17,065	9,131	7,149	10,274	14,098	10,491	12,833
Above Normal (15%)	7,152	7,134	5,377	8,205	15,297	8,818	5,536	7,783	12,032	15,098	11,641	9,898
Below Normal (17%)	7,072	5,936	5,195	4,184	5,544	4,318	5,009	6,272	10,947	13,177	10,261	5,601
Dry (22%)	6,494	5,406	3,936	4,096	3,410	3,814	5,533	7,681	11,898	13,727	10,986	4,469
Critical (15%)	5,752	4,710	3,582	4,238	3,372	3,583	6,550	7,316	11,350	11,935	7,348	4,368

Alternative 8 (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	8,242	7,610	14,666	21,113	30,081	20,171	12,261	12,706	14,992	15,000	11,680	12,307
20%	6,943	6,223	8,221	14,769	23,689	12,566	10,433	10,191	13,933	14,731	11,013	11,618
30%	5,941	5,311	4,438	8,656	10,237	8,883	9,388	9,300	13,284	14,141	10,182	10,148
40%	5,474	4,877	4,068	6,813	7,374	6,854	7,907	8,544	12,455	13,616	9,785	7,465
50%	4,865	4,506	4,000	4,500	5,090	5,489	7,220	7,849	11,621	13,011	9,453	5,228
60%	4,509	4,218	3,941	4,057	4,500	4,500	6,313	7,149	10,829	12,277	9,090	4,393
70%	4,152	4,000	3,527	3,383	3,556	4,003	5,444	6,633	10,370	11,932	8,788	4,052
80%	4,000	4,000	3,250	3,250	3,250	3,395	4,500	6,062	10,108	11,047	8,417	3,828
90%	3,847	3,485	3,250	3,250	3,250	3,250	3,996	5,447	8,966	9,969	7,541	3,463
Long Term												
Full Simulation Period[a]	5,566	5,297	6,651	9,827	11,574	9,404	8,026	8,448	11,766	12,688	9,386	7,136
Water Year Types[b]												
Wet (32%)	5,906	6,317	11,788	19,896	21,267	17,194	9,585	8,580	11,990	13,504	10,059	11,785
Above Normal (15%)	6,243	5,554	4,495	9,021	15,609	9,084	7,440	10,326	13,183	13,510	9,528	8,117
Below Normal (17%)	5,225	4,756	5,211	5,290	6,120	5,006	7,981	8,253	10,957	11,458	8,606	4,023
Dry (22%)	5,721	4,658	3,709	3,596	4,167	5,479	7,335	7,651	10,804	12,777	10,264	3,997
Critical (15%)	4,317	4,421	3,766	3,460	4,012	3,868	6,320	7,708	12,247	11,399	7,379	4,421

Alternative 8 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	**-1,310**	**-2,778**	**-1,631**	382	0	4	2,038	1,857	783	0	**-609**	**-2,443**
20%	**-1,624**	**-2,878**	1,016	3,042	1,854	**-201**	2,438	1,474	782	**-269**	**-778**	**-1,319**
30%	**-1,858**	**-2,023**	**-358**	**-731**	1,183	1,173	2,739	1,415	916	**-859**	**-1,272**	**-616**
40%	**-1,735**	**-1,104**	**-258**	2,313	2,874	2,354	1,788	1,116	812	**-1,384**	**-1,082**	**-1,189**
50%	**-1,693**	**-414**	0	18	590	989	1,778	1,018	697	**-1,603**	**-1,019**	**-1,144**
60%	**-1,537**	**-193**	111	109	935	747	1,510	796	324	**-1,624**	**-975**	**-1,055**
70%	**-1,493**	**-70**	12	132	306	753	944	630	437	**-877**	**-920**	**-598**
80%	**-746**	0	**-20**	0	0	145	0	610	966	**-1,124**	**-899**	**-573**
90%	**-153**	**-3**	0	0	0	0	277	296	556	**-977**	**-406**	**-468**
Long Term												
Full Simulation Period[a]	**-1,186**	**-1,026**	94	612	535	604	1,292	1,215	605	**-1,001**	**-882**	**-958**
Water Year Types[b]												
Wet (32%)	**-1,129**	**-1,222**	766	1,663	413	128	454	1,431	1,716	**-594**	**-432**	**-1,048**
Above Normal (15%)	**-909**	**-1,580**	**-882**	816	312	266	1,904	2,543	1,151	**-1,588**	**-2,113**	**-1,781**
Below Normal (17%)	**-1,847**	**-1,179**	16	1,106	575	688	2,973	1,982	10	**-1,718**	**-1,654**	**-1,578**
Dry (22%)	**-773**	**-748**	**-227**	**-500**	758	1,665	1,802	**-30**	**-1,094**	**-950**	**-722**	**-471**
Critical (15%)	**-1,435**	**-289**	184	**-778**	640	285	**-230**	392	897	**-535**	32	53

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-15-25. Sacramento River d/s of Keswick Reservoir, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	9,552	10,388	16,297	20,731	30,081	20,167	10,223	10,849	14,209	15,000	12,290	14,750
20%	8,567	9,100	7,205	11,727	21,836	12,767	7,995	8,717	13,151	15,000	11,791	12,938
30%	7,800	7,335	4,796	9,386	9,054	7,710	6,649	7,885	12,368	15,000	11,454	10,764
40%	7,209	5,980	4,326	4,500	4,500	4,500	6,119	7,428	11,643	15,000	10,867	8,654
50%	6,558	4,920	4,000	4,482	4,500	4,500	5,443	6,832	10,924	14,614	10,472	6,372
60%	6,046	4,411	3,830	3,947	3,565	3,753	4,803	6,353	10,506	13,901	10,065	5,448
70%	5,645	4,070	3,516	3,251	3,250	3,250	4,500	6,003	9,933	12,809	9,708	4,651
80%	4,746	4,000	3,270	3,250	3,250	3,250	4,500	5,452	9,142	12,171	9,316	4,401
90%	4,000	3,488	3,250	3,250	3,250	3,250	3,719	5,152	8,411	10,946	7,947	3,931
Long Term												
Full Simulation Period[a]	6,752	6,324	6,557	9,215	11,039	8,800	6,733	7,233	11,160	13,689	10,269	8,094
Water Year Types[b]												
Wet (32%)	7,034	7,539	11,022	18,233	20,853	17,065	9,131	7,149	10,274	14,098	10,491	12,833
Above Normal (15%)	7,152	7,134	5,377	8,205	15,297	8,818	5,536	7,783	12,032	15,098	11,641	9,898
Below Normal (17%)	7,072	5,936	5,195	4,184	5,544	4,318	5,009	6,272	10,947	13,177	10,261	5,601
Dry (22%)	6,494	5,406	3,936	4,096	3,410	3,814	5,533	7,681	11,898	13,727	10,986	4,469
Critical (15%)	5,752	4,710	3,582	4,238	3,372	3,583	6,550	7,316	11,350	11,935	7,348	4,368

Alternative 9 (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	9,066	10,593	16,259	20,735	30,131	20,167	10,633	11,529	14,580	15,112	12,454	14,936
20%	7,816	8,822	6,641	13,154	21,836	12,351	8,610	9,903	13,785	15,000	11,313	13,886
30%	7,038	7,455	4,631	8,177	10,340	8,026	7,149	8,690	12,406	15,000	10,902	11,556
40%	6,724	5,995	4,321	4,500	4,500	4,500	6,104	7,816	11,471	14,735	10,582	9,385
50%	6,197	5,193	4,000	4,184	4,500	4,500	5,509	7,445	10,755	13,693	10,222	6,507
60%	5,702	4,437	4,000	3,704	3,462	3,669	4,752	6,625	10,374	13,187	9,902	5,696
70%	5,115	4,086	3,662	3,250	3,250	3,250	4,500	6,051	9,914	12,727	9,457	4,671
80%	4,586	4,000	3,363	3,250	3,250	3,250	4,500	5,792	9,039	11,862	8,856	4,205
90%	3,902	3,796	3,250	3,250	3,250	3,250	3,702	5,212	7,920	10,554	7,931	3,932
Long Term												
Full Simulation Period[a]	6,313	6,457	6,543	9,138	11,199	8,750	6,843	7,773	11,149	13,400	10,002	8,346
Water Year Types[b]												
Wet (32%)	6,944	7,461	10,797	18,566	20,997	17,067	8,988	7,146	10,261	13,972	10,219	13,633
Above Normal (15%)	6,311	7,223	5,243	8,314	15,399	8,477	5,776	7,824	12,245	14,835	10,847	9,876
Below Normal (17%)	6,070	6,516	5,344	4,329	6,237	4,165	5,028	7,047	10,744	12,784	9,946	5,731
Dry (22%)	6,394	5,262	3,892	3,592	3,327	3,925	6,034	9,344	12,063	13,329	10,521	4,359
Critical (15%)	5,112	5,240	4,001	3,460	3,364	3,592	6,590	7,568	11,081	11,550	7,970	4,395

Alternative 9 (LLT) minus No Action Alternative (LLT)

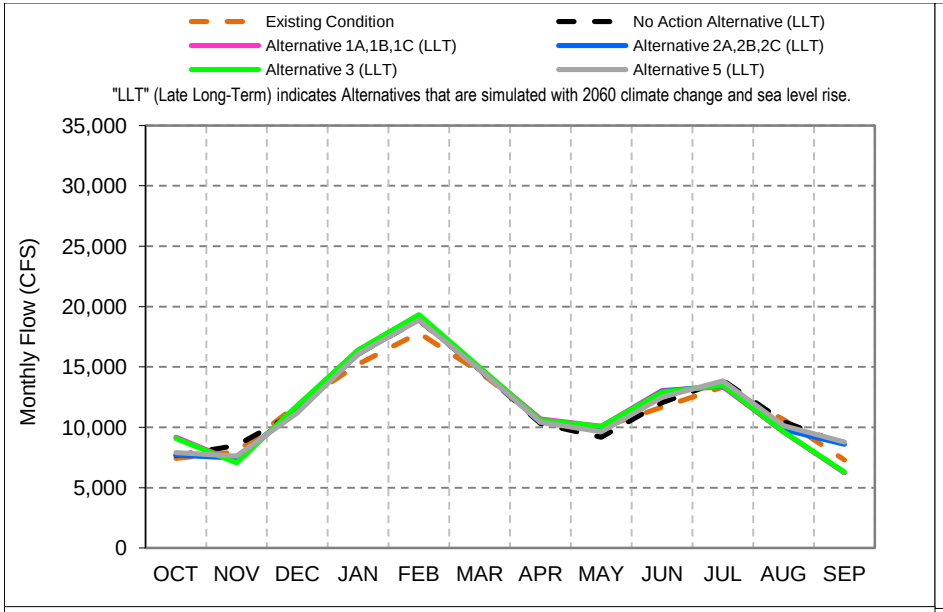
	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	**-486**	206	**-38**	4	50	0	410	680	371	112	164	186
20%	**-751**	**-279**	**-564**	1,427	0	**-416**	615	1,186	634	0	**-477**	949
30%	**-761**	120	**-164**	**-1,209**	1,287	316	500	805	39	0	**-552**	792
40%	**-485**	14	**-5**	0	0	0	**-15**	388	**-172**	**-265**	**-285**	731
50%	**-360**	273	0	**-299**	0	0	66	613	**-169**	**-922**	**-250**	135
60%	**-345**	26	170	**-243**	**-103**	**-84**	**-51**	271	**-132**	**-714**	**-162**	249
70%	**-530**	16	146	**-1**	0	**0**	0	48	**-18**	**-81**	**-251**	21
80%	**-161**	0	93	0	0	0	0	340	**-103**	**-308**	**-460**	**-196**
90%	**-98**	309	0	0	0	0	**-17**	60	**-490**	**-393**	**-16**	1
Long Term												
Full Simulation Period[a]	**-438**	133	**-14**	**-78**	159	**-50**	109	540	**-11**	**-289**	**-267**	252
Water Year Types[b]												
Wet (32%)	**-91**	**-78**	**-225**	333	144	2	**-142**	**-3**	**-14**	**-125**	**-272**	800
Above Normal (15%)	**-840**	89	**-134**	110	102	**-341**	241	41	213	**-263**	**-794**	**-22**
Below Normal (17%)	**-1,002**	580	149	146	693	**-153**	19	776	**-204**	**-393**	**-315**	130
Dry (22%)	**-100**	**-144**	**-43**	**-504**	**-83**	111	501	1,663	165	**-398**	**-465**	**-110**
Critical (15%)	**-640**	530	418	**-778**	**-9**	8	40	253	**-269**	**-385**	623	27

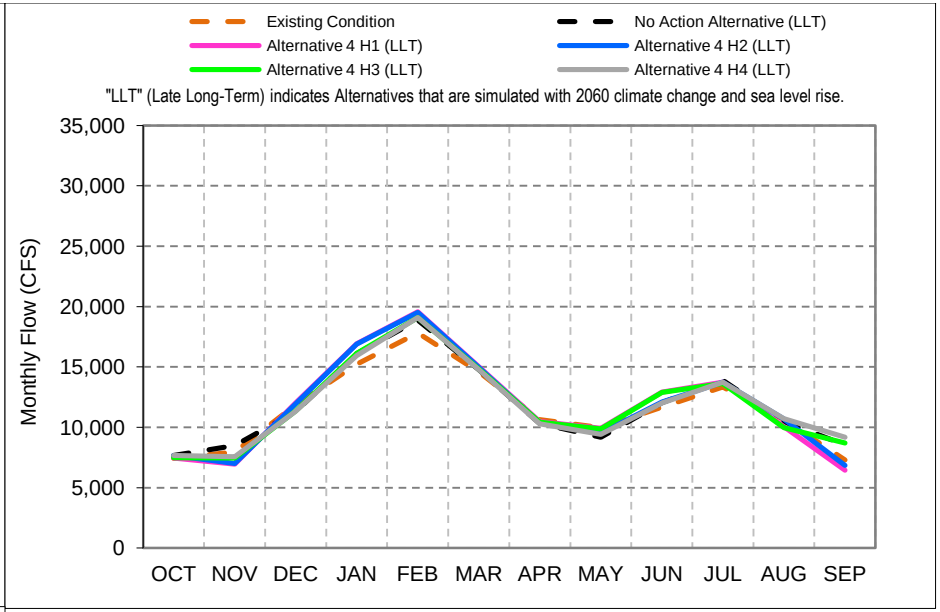
Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

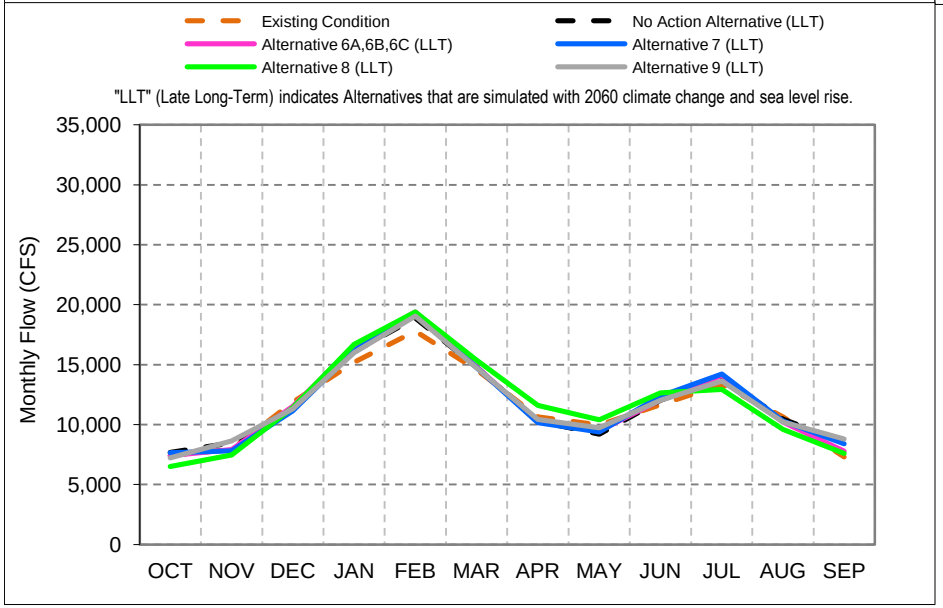
a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

C.16. Sacramento River Flow at Bend Bridge



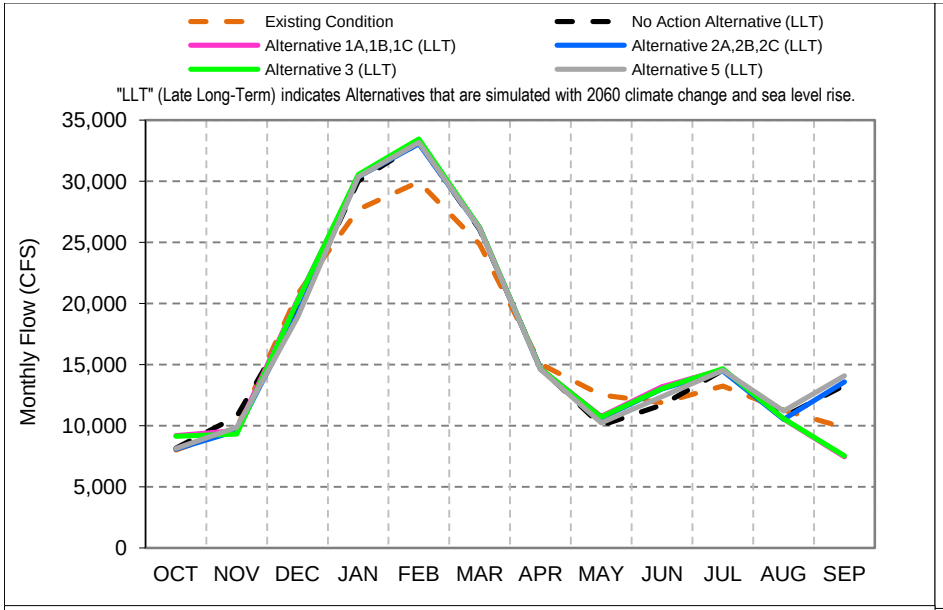


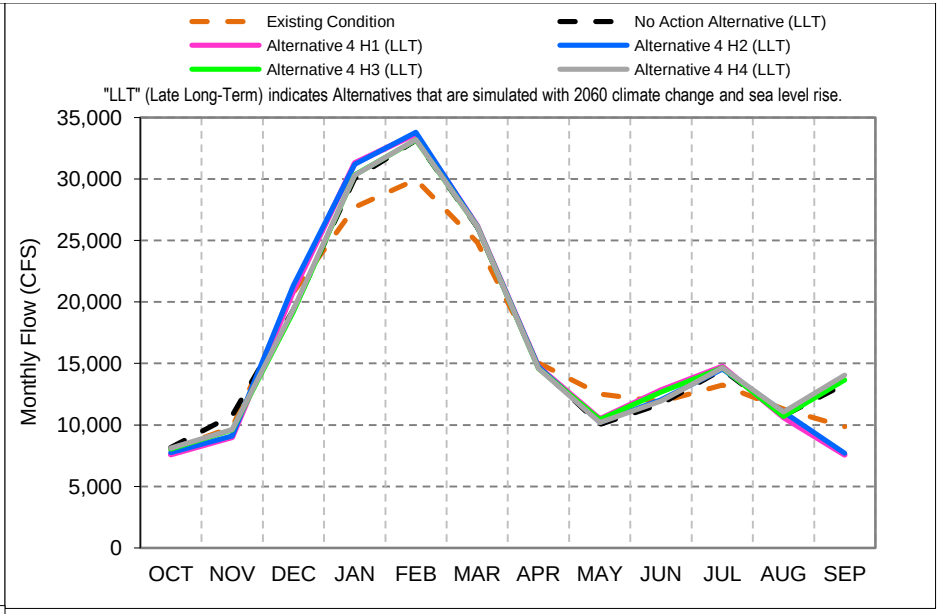


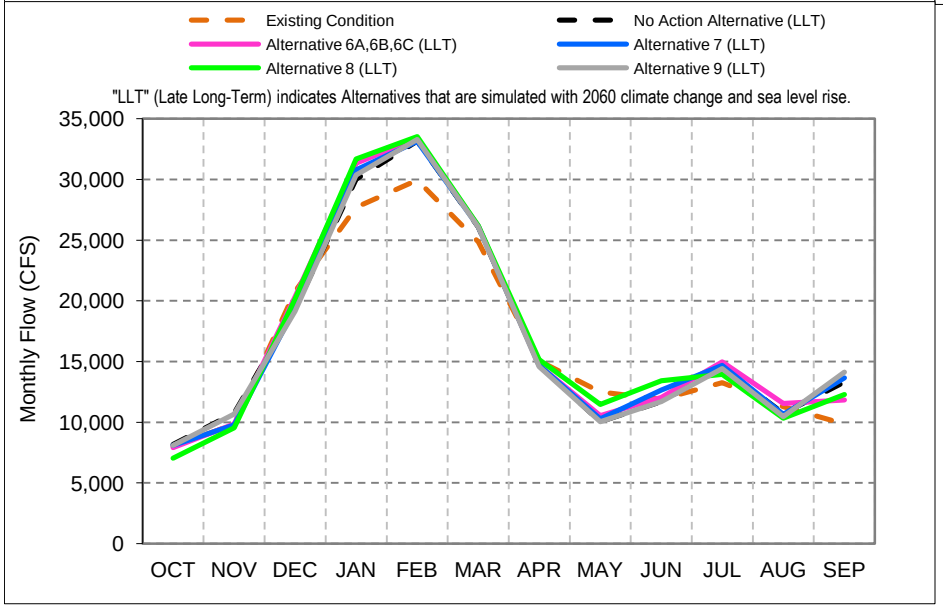
Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-16-1. Sacramento River at Bend Bridge, Long-Term Average Flow





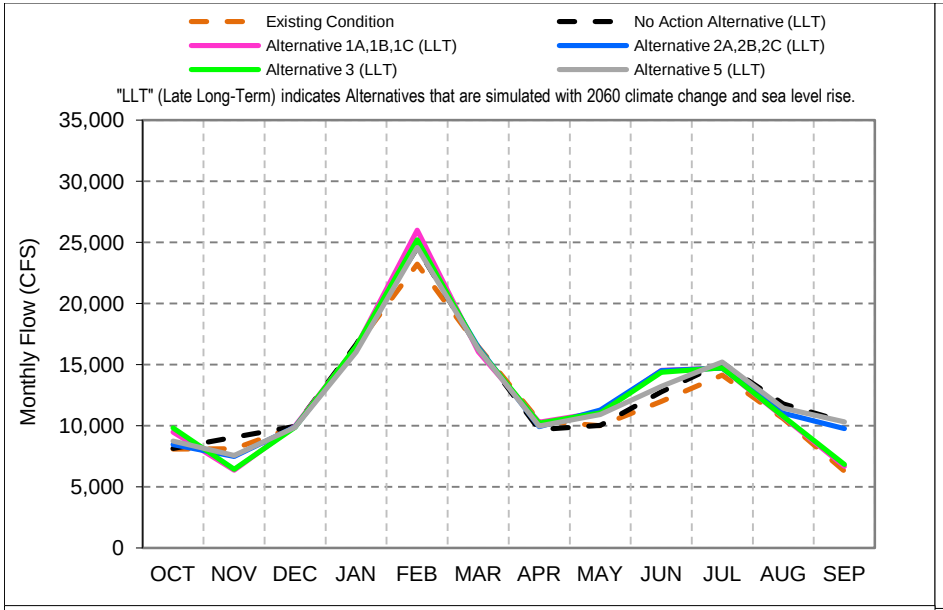


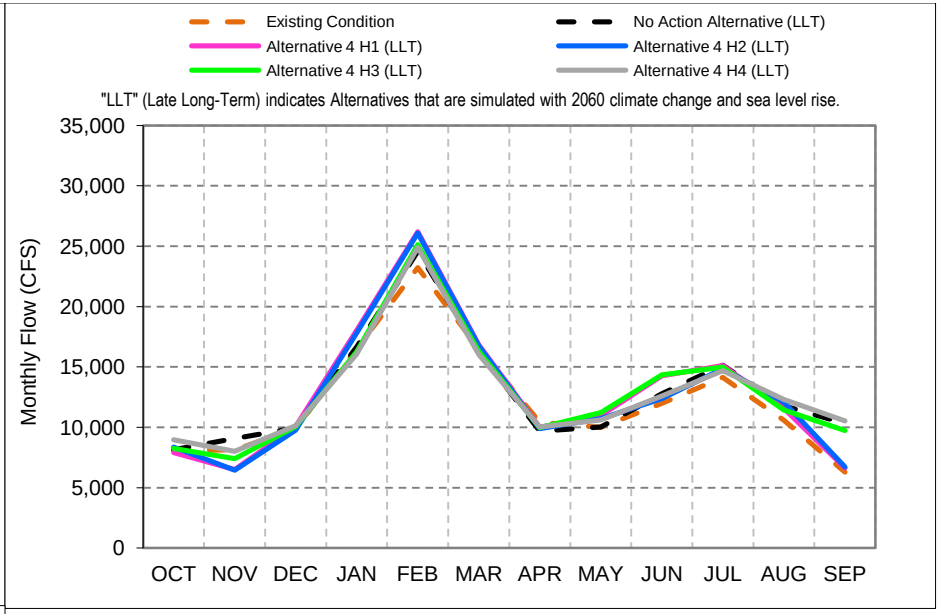
Alternative 4 Scenario Definitions:

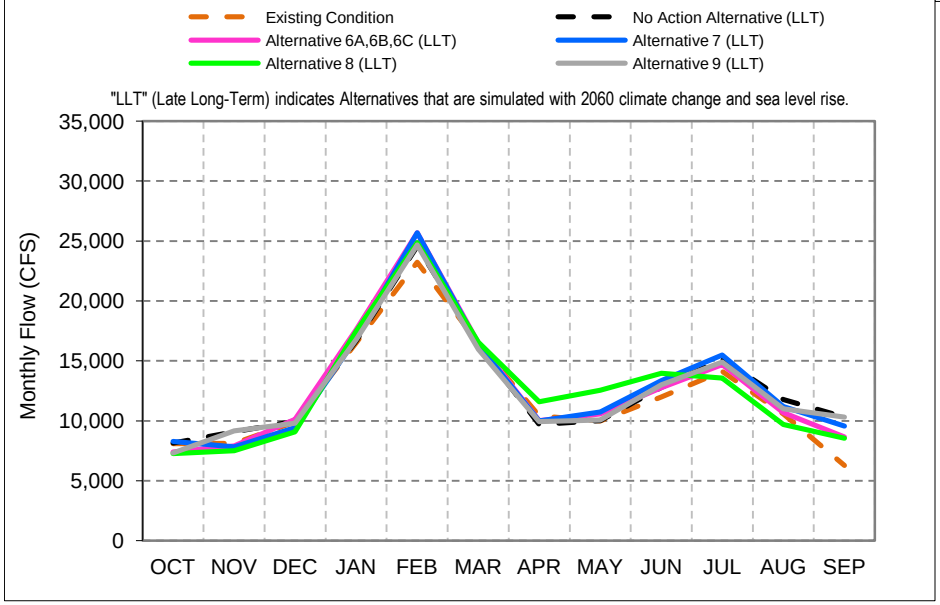
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-16-2. Sacramento River at Bend Bridge, Wet Year* Average Flow





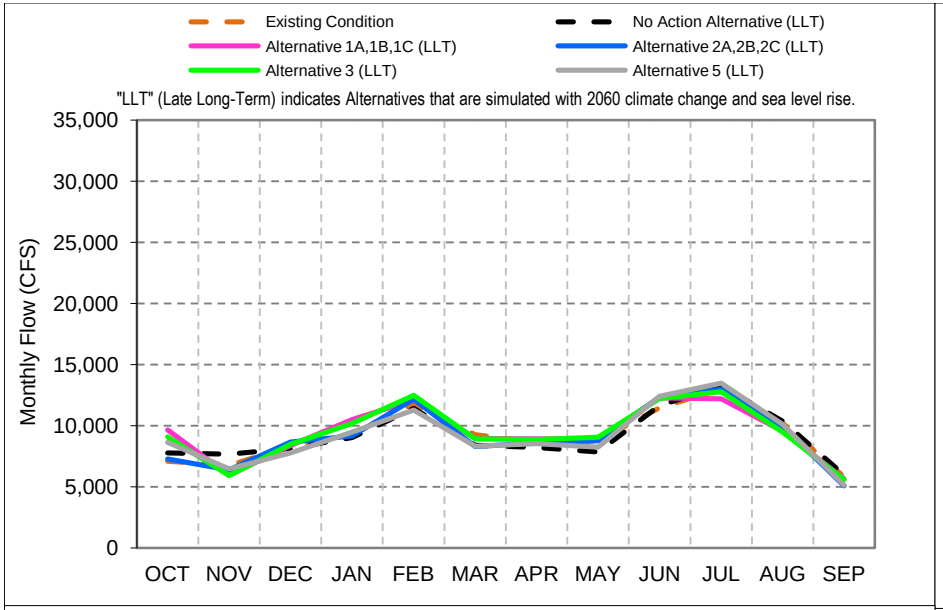


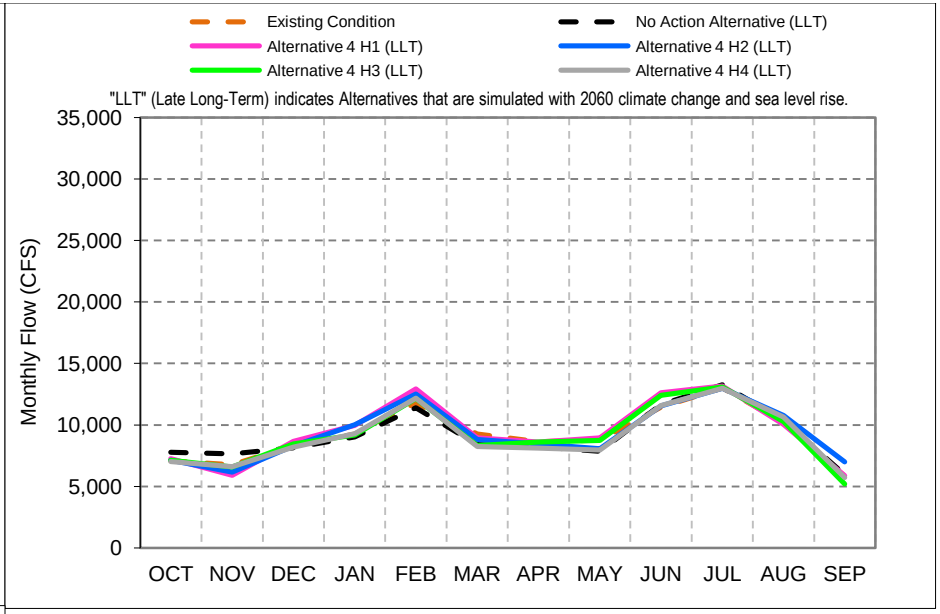
Alternative 4 Scenario Definitions:

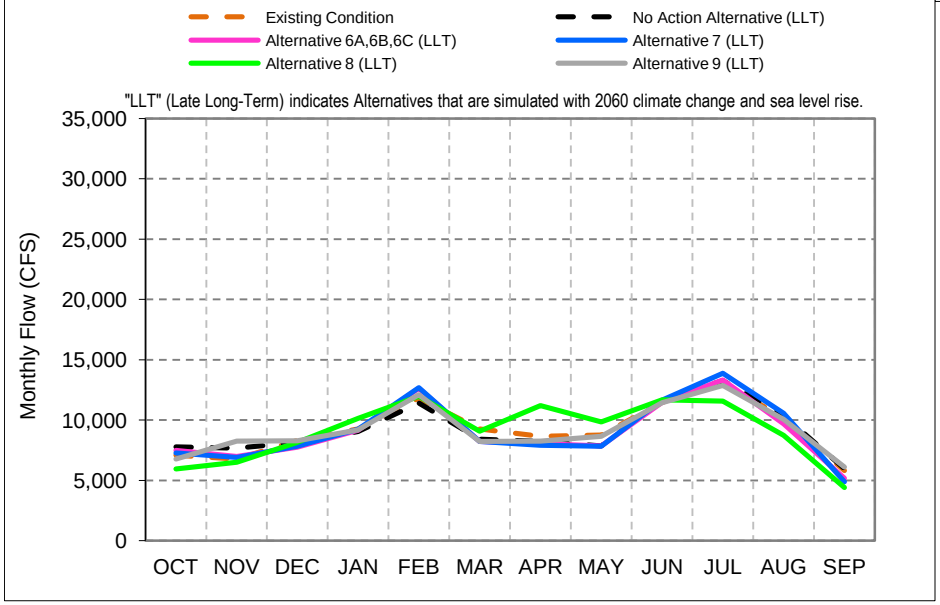
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-16-3. Sacramento River at Bend Bridge, Above Normal Year* Average Flow





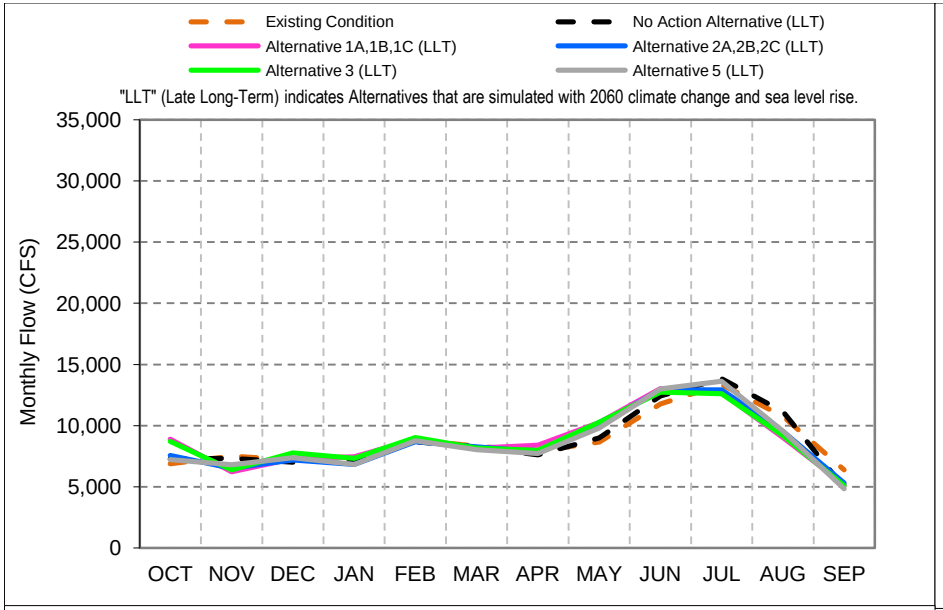


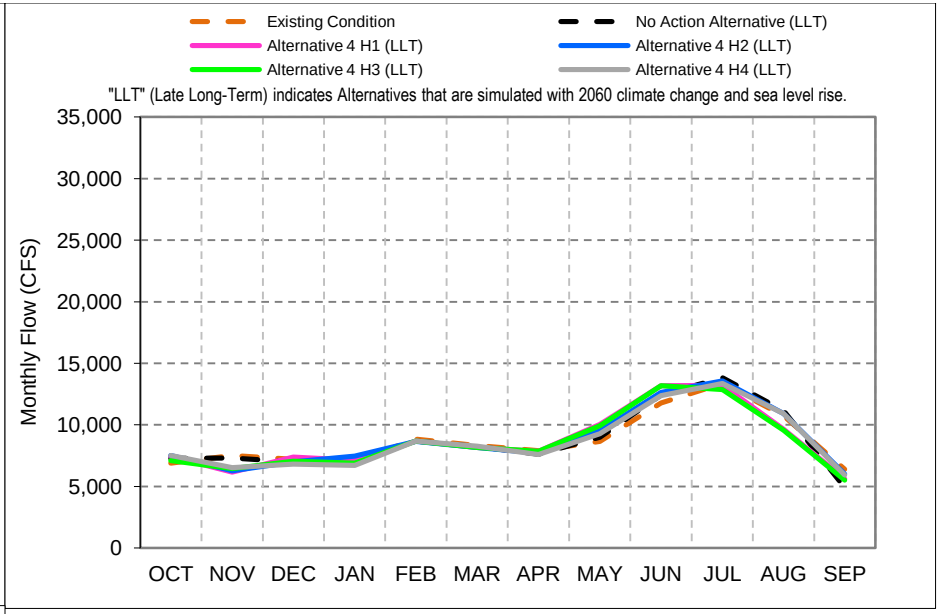
Alternative 4 Scenario Definitions:

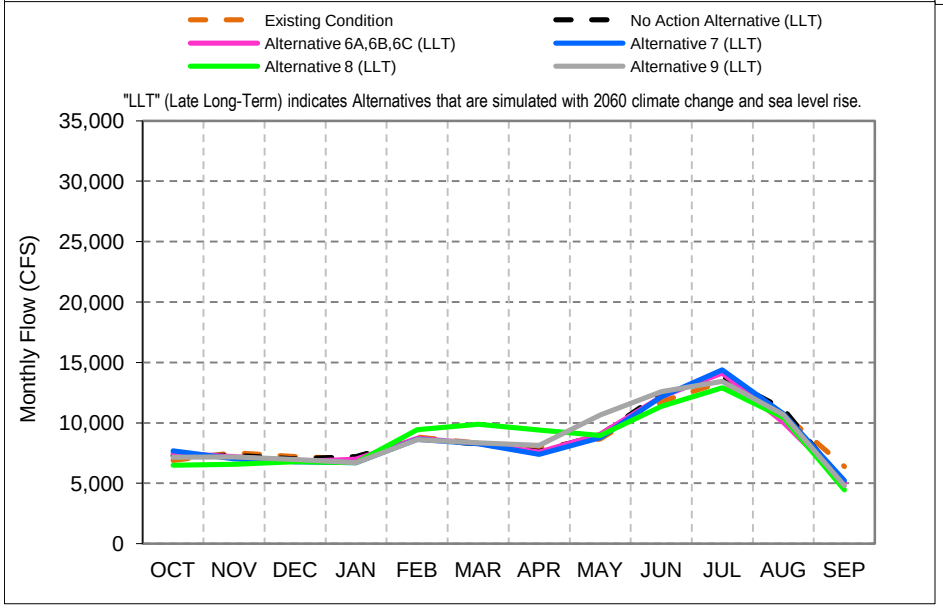
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-16-4. Sacramento River at Bend Bridge, Below Normal Year* Average Flow





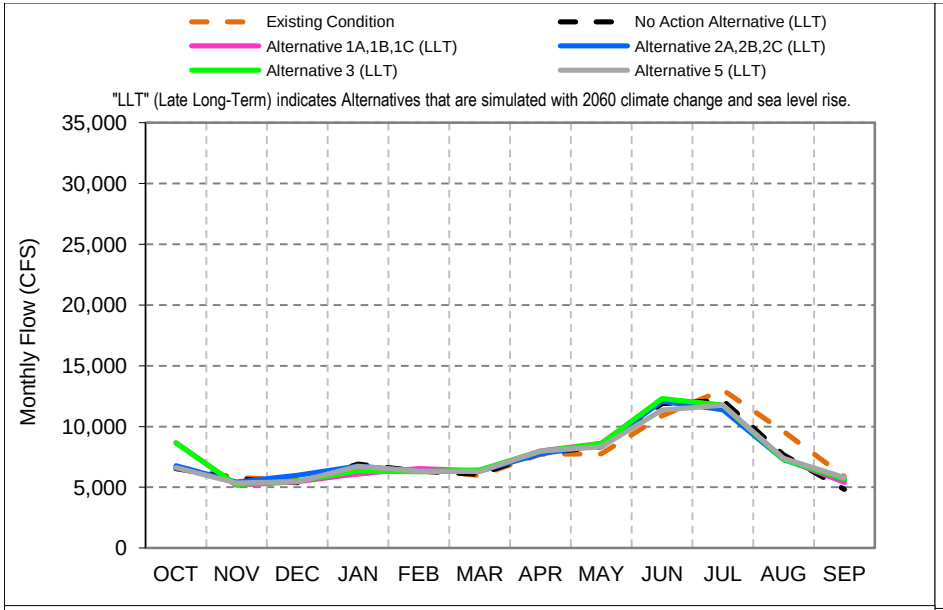


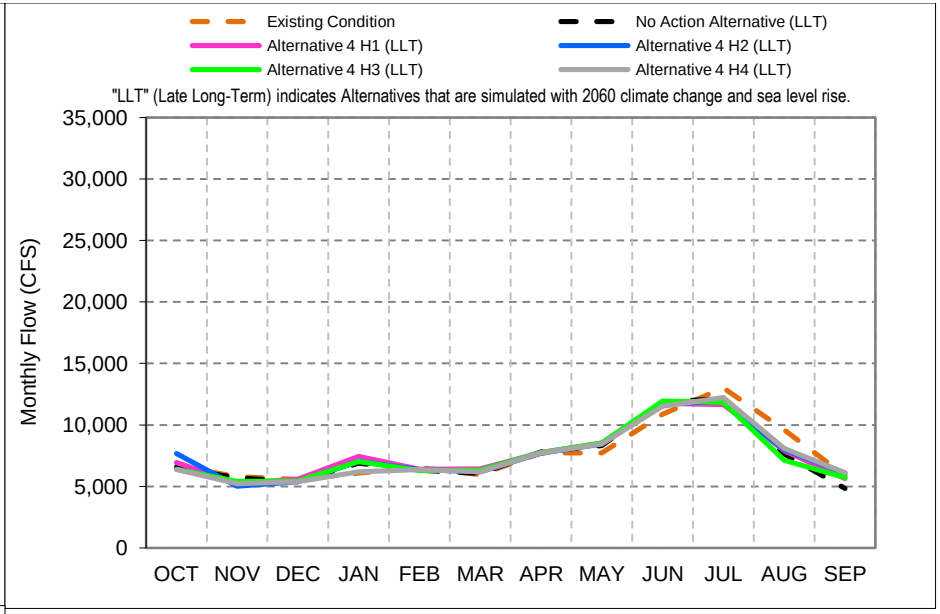
Alternative 4 Scenario Definitions:

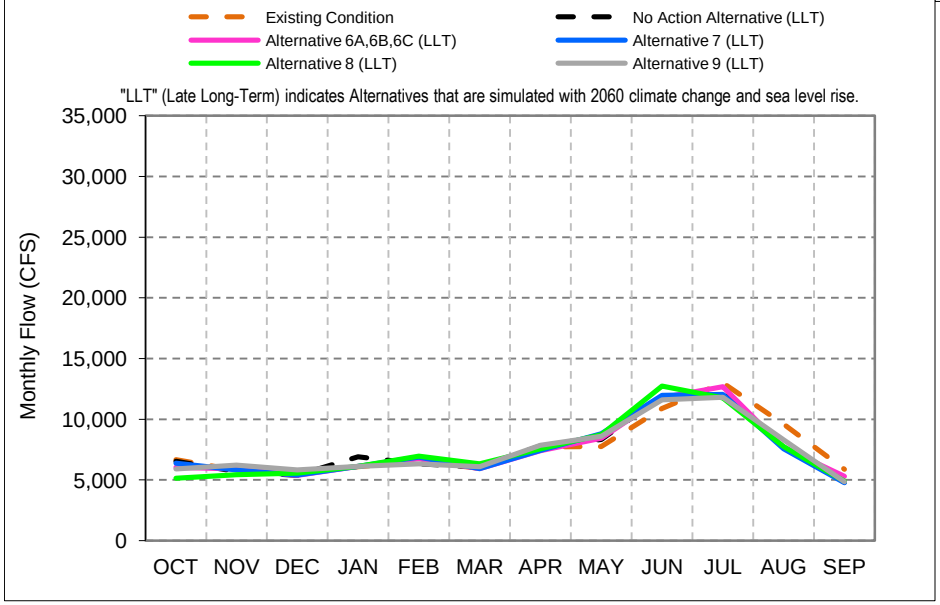
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-16-5. Sacramento River at Bend Bridge, Dry Year* Average Flow







Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-16-6. Sacramento River at Bend Bridge, Critical Year* Average Flow

Table C-16-1. Sacramento River at Bend Bridge, Monthly Flow

Existing Condition

Statistic	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	10,393	12,305	26,571	33,455	43,263	28,990	17,323	13,997	13,326	15,269	12,596	11,770
20%	9,507	9,178	19,027	23,084	29,097	19,416	12,770	11,498	12,423	14,926	11,809	9,863
30%	8,338	7,672	11,615	15,306	18,665	15,987	10,060	10,285	12,030	14,435	11,177	7,288
40%	7,128	7,112	8,826	12,155	13,004	11,357	8,996	9,547	11,684	13,742	10,709	6,746
50%	6,725	6,704	7,114	9,317	10,657	9,081	8,497	8,828	11,421	13,165	10,550	6,293
60%	6,514	6,163	6,555	7,477	8,672	7,906	8,113	8,564	11,209	12,835	10,256	5,918
70%	6,248	5,876	5,841	6,637	7,397	7,051	7,637	8,145	11,004	12,310	10,016	5,653
80%	5,930	5,589	5,379	5,967	6,379	5,845	7,242	7,693	10,321	12,031	9,489	5,419
90%	5,396	5,225	5,056	4,888	5,124	4,963	6,831	7,179	9,948	11,255	8,803	5,056
Long Term												
Full Simulation Period[a]	7,423	7,956	11,855	15,214	17,804	14,573	10,637	9,959	11,661	13,329	10,630	7,301
Water Year Types[b]												
Wet (32%)	8,006	9,821	20,767	27,694	29,943	24,855	15,049	12,508	11,896	13,253	11,283	9,854
Above Normal (15%)	8,104	8,115	9,919	16,499	23,232	16,479	10,409	9,992	11,996	14,129	10,580	6,277
Below Normal (17%)	7,087	6,769	8,315	9,269	11,796	9,262	8,645	8,765	11,459	13,010	10,202	5,819
Dry (22%)	6,895	7,520	7,208	7,031	8,834	8,320	7,908	8,666	11,774	13,368	10,747	6,390
Critical (15%)	6,662	5,797	5,583	6,099	6,537	5,966	7,721	7,739	10,882	13,004	9,590	5,886

No Action Alternative (LLT)

Statistic	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	10,447	12,623	25,396	31,966	46,128	33,361	15,567	12,345	14,638	15,501	12,585	15,057
20%	9,416	11,068	16,427	24,980	33,376	19,691	12,466	10,776	13,774	15,189	11,756	13,374
30%	8,545	9,497	9,919	15,671	20,374	14,024	10,006	9,763	12,967	15,104	11,521	11,144
40%	8,045	8,208	8,534	12,137	13,251	10,021	8,923	8,942	12,195	14,986	11,052	8,921
50%	7,486	7,714	7,184	9,977	10,678	8,637	8,100	8,430	11,737	14,755	10,716	6,972
60%	7,095	6,993	6,339	7,698	8,560	7,803	7,760	8,125	11,322	14,285	10,323	5,906
70%	6,717	6,360	5,871	6,855	7,589	7,320	7,203	7,740	10,950	13,218	9,942	5,228
80%	6,118	5,545	5,485	6,069	6,445	6,689	6,877	7,342	10,374	12,271	9,478	4,762
90%	4,881	4,697	4,926	4,958	5,055	5,273	6,478	6,921	9,873	11,192	8,063	4,342
Long Term												
Full Simulation Period[a]	7,665	8,487	11,310	16,092	18,882	14,779	10,303	9,188	12,040	13,897	10,464	8,534
Water Year Types[b]												
Wet (32%)	8,174	10,764	19,356	30,034	33,147	26,057	14,716	10,039	11,710	14,523	10,735	13,311
Above Normal (15%)	8,154	9,069	9,950	16,655	24,563	16,307	9,691	10,026	12,784	15,141	11,775	10,318
Below Normal (17%)	7,771	7,661	8,136	9,035	11,408	8,403	8,217	7,859	11,646	13,257	10,364	5,962
Dry (22%)	7,279	7,318	7,009	7,196	8,678	8,236	7,621	9,001	12,438	13,826	11,143	4,910
Critical (15%)	6,528	5,690	5,389	6,899	6,318	6,070	7,808	8,341	11,878	12,149	7,665	4,837

No Action Alternative (LLT) minus Existing Condition

Statistic	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	55	317	**-1,174**	**-1,489**	2,865	4,371	**-1,756**	**-1,652**	1,313	232	**-11**	3,287
20%	**-91**	1,890	**-2,601**	1,897	4,279	274	**-304**	**-722**	1,351	263	**-53**	3,511
30%	207	1,825	**-1,696**	365	1,709	**-1,963**	**-54**	**-522**	937	669	344	3,855
40%	917	1,096	**-292**	**-18**	248	**-1,337**	**-73**	**-605**	511	1,244	342	2,175
50%	761	1,011	70	660	21	**-444**	**-397**	**-397**	317	1,590	166	678
60%	581	829	**-216**	221	**-112**	**-104**	**-353**	**-440**	113	1,450	67	**-13**
70%	470	484	30	218	192	270	**-435**	**-405**	**-54**	909	**-74**	**-425**
80%	188	**-44**	106	102	66	844	**-365**	**-351**	53	240	**-11**	**-657**
90%	**-515**	**-527**	**-130**	69	**-68**	310	**-353**	**-258**	**-75**	**-63**	**-740**	**-714**
Long Term												
Full Simulation Period[a]	242	531	**-545**	878	1,078	206	**-334**	**-771**	380	568	**-166**	1,233
Water Year Types[b]												
Wet (32%)	168	943	**-1,410**	2,339	3,204	1,201	**-333**	**-2,469**	**-186**	1,270	**-548**	3,456
Above Normal (15%)	50	954	31	155	1,331	**-172**	**-717**	34	788	1,012	1,195	4,041
Below Normal (17%)	684	892	**-179**	**-234**	**-388**	**-858**	**-428**	**-906**	187	247	162	143
Dry (22%)	384	**-201**	**-199**	165	**-156**	**-84**	**-286**	335	664	458	396	**-1,480**
Critical (15%)	**-133**	**-108**	**-194**	799	**-219**	103	88	602	996	**-855**	**-1,925**	**-1,049**

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-16-2. Sacramento River at Bend Bridge, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	10,393	12,305	26,571	33,455	43,263	28,990	17,323	13,997	13,326	15,269	12,596	11,770
20%	9,507	9,178	19,027	23,084	29,097	19,416	12,770	11,498	12,423	14,926	11,809	9,863
30%	8,338	7,672	11,615	15,306	18,665	15,987	10,060	10,285	12,030	14,435	11,177	7,288
40%	7,128	7,112	8,826	12,155	13,004	11,357	8,996	9,547	11,684	13,742	10,709	6,746
50%	6,725	6,704	7,114	9,317	10,657	9,081	8,497	8,828	11,421	13,165	10,550	6,293
60%	6,514	6,163	6,555	7,477	8,672	7,906	8,113	8,564	11,209	12,835	10,256	5,918
70%	6,248	5,876	5,841	6,637	7,397	7,051	7,637	8,145	11,004	12,310	10,016	5,653
80%	5,930	5,589	5,379	5,967	6,379	5,845	7,242	7,693	10,321	12,031	9,489	5,419
90%	5,396	5,225	5,056	4,888	5,124	4,963	6,831	7,179	9,948	11,255	8,803	5,056
Long Term												
Full Simulation Period[a]	7,423	7,956	11,855	15,214	17,804	14,573	10,637	9,959	11,661	13,329	10,630	7,301
Water Year Types[b]												
Wet (32%)	8,006	9,821	20,767	27,694	29,943	24,855	15,049	12,508	11,896	13,253	11,283	9,854
Above Normal (15%)	8,104	8,115	9,919	16,499	23,232	16,479	10,409	9,992	11,996	14,129	10,580	6,277
Below Normal (17%)	7,087	6,769	8,315	9,269	11,796	9,262	8,645	8,765	11,459	13,010	10,202	5,819
Dry (22%)	6,895	7,520	7,208	7,031	8,834	8,320	7,908	8,666	11,774	13,368	10,747	6,390
Critical (15%)	6,662	5,797	5,583	6,099	6,537	5,966	7,721	7,739	10,882	13,004	9,590	5,886

Alternative 1A,1B,1C (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	15,337	10,657	25,724	36,139	46,762	33,387	15,625	13,340	15,376	15,326	11,597	7,627
20%	13,105	7,278	16,329	23,664	33,789	19,465	12,796	11,751	15,126	15,157	10,936	7,267
30%	11,062	6,902	11,464	15,351	21,612	14,308	10,738	10,817	14,463	15,028	10,568	6,945
40%	9,899	6,618	9,061	13,145	12,969	11,372	9,750	10,235	13,819	14,923	10,231	6,585
50%	8,395	6,223	7,318	10,697	10,678	9,170	8,798	9,813	13,166	14,104	9,724	6,416
60%	7,267	5,798	6,715	8,300	8,637	7,967	8,352	8,972	12,486	13,103	9,296	5,795
70%	6,655	5,499	6,007	7,362	7,630	7,299	7,767	8,458	11,982	12,399	8,834	5,444
80%	5,929	5,221	5,282	6,310	6,572	6,683	7,183	7,754	11,489	11,286	8,298	5,050
90%	4,715	4,768	4,887	5,243	5,314	5,523	6,882	7,198	9,944	10,286	7,859	4,234
Long Term												
Full Simulation Period[a]	9,173	7,120	11,721	16,374	19,280	14,898	10,692	10,072	13,056	13,366	9,599	6,237
Water Year Types[b]												
Wet (32%)	9,185	9,614	20,294	30,405	33,133	26,193	14,670	10,756	13,200	14,584	10,542	7,474
Above Normal (15%)	9,476	6,378	9,970	16,431	26,003	16,039	10,293	11,102	14,528	14,715	10,714	6,678
Below Normal (17%)	9,670	5,950	8,368	10,512	12,095	8,948	8,925	8,923	12,282	12,205	9,565	5,648
Dry (22%)	8,895	6,221	7,289	7,467	8,873	8,152	8,394	10,266	13,024	12,687	9,034	5,177
Critical (15%)	8,682	5,172	5,454	6,117	6,534	6,345	7,982	8,608	12,224	11,748	7,330	5,392

Alternative 1A,1B,1C (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4,944	**-1,648**	**-846**	2,685	3,500	4,397	**-1,698**	**-657**	2,050	56	**-999**	**-4,143**
20%	3,599	**-1,899**	**-2,698**	580	4,693	49	26	253	2,703	231	**-873**	**-2,595**
30%	2,724	**-771**	**-151**	45	2,947	**-1,679**	678	532	2,433	593	**-609**	**-343**
40%	2,771	**-494**	235	990	**-35**	14	754	689	2,136	1,181	**-479**	**-161**
50%	1,670	**-481**	204	1,380	21	89	301	986	1,745	939	**-826**	123
60%	753	**-366**	160	823	**-35**	61	240	408	1,277	268	**-960**	**-124**
70%	407	**-377**	166	725	232	248	130	314	978	89	**-1,182**	**-209**
80%	**-1**	**-369**	**-97**	343	193	838	**-59**	61	1,168	**-746**	**-1,192**	**-369**
90%	**-681**	**-456**	**-169**	354	190	560	51	19	**-3**	**-969**	**-944**	**-821**
Long Term												
Full Simulation Period[a]	1,750	**-836**	**-134**	1,160	1,476	325	55	112	1,396	37	**-1,031**	**-1,064**
Water Year Types[b]												
Wet (32%)	1,180	**-207**	**-472**	2,711	3,190	1,337	**-379**	**-1,752**	1,304	1,331	**-741**	**-2,380**
Above Normal (15%)	1,373	**-1,737**	51	**-68**	2,772	**-440**	**-116**	1,110	2,533	586	134	401
Below Normal (17%)	2,583	**-820**	52	1,243	299	**-314**	280	158	823	**-806**	**-637**	**-172**
Dry (22%)	1,999	**-1,298**	81	436	39	**-167**	486	1,600	1,250	**-681**	**-1,713**	**-1,213**
Critical (15%)	2,020	**-625**	**-129**	18	**-3**	379	261	869	1,342	**-1,256**	**-2,260**	**-494**

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-16-3. Sacramento River at Bend Bridge, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	10,393	12,305	26,571	33,455	43,263	28,990	17,323	13,997	13,326	15,269	12,596	11,770
20%	9,507	9,178	19,027	23,084	29,097	19,416	12,770	11,498	12,423	14,926	11,809	9,863
30%	8,338	7,672	11,615	15,306	18,665	15,987	10,060	10,285	12,030	14,435	11,177	7,288
40%	7,128	7,112	8,826	12,155	13,004	11,357	8,996	9,547	11,684	13,742	10,709	6,746
50%	6,725	6,704	7,114	9,317	10,657	9,081	8,497	8,828	11,421	13,165	10,550	6,293
60%	6,514	6,163	6,555	7,477	8,672	7,906	8,113	8,564	11,209	12,835	10,256	5,918
70%	6,248	5,876	5,841	6,637	7,397	7,051	7,637	8,145	11,004	12,310	10,016	5,653
80%	5,930	5,589	5,379	5,967	6,379	5,845	7,242	7,693	10,321	12,031	9,489	5,419
90%	5,396	5,225	5,056	4,888	5,124	4,963	6,831	7,179	9,948	11,255	8,803	5,056
Long Term												
Full Simulation Period[a]	7,423	7,956	11,855	15,214	17,804	14,573	10,637	9,959	11,661	13,329	10,630	7,301
Water Year Types[b]												
Wet (32%)	8,006	9,821	20,767	27,694	29,943	24,855	15,049	12,508	11,896	13,253	11,283	9,854
Above Normal (15%)	8,104	8,115	9,919	16,499	23,232	16,479	10,409	9,992	11,996	14,129	10,580	6,277
Below Normal (17%)	7,087	6,769	8,315	9,269	11,796	9,262	8,645	8,765	11,459	13,010	10,202	5,819
Dry (22%)	6,895	7,520	7,208	7,031	8,834	8,320	7,908	8,666	11,774	13,368	10,747	6,390
Critical (15%)	6,662	5,797	5,583	6,099	6,537	5,966	7,721	7,739	10,882	13,004	9,590	5,886

Alternative 2A,2B,2C (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	10,513	10,869	24,871	32,620	46,718	33,369	15,561	13,965	15,337	15,332	11,802	15,186
20%	9,410	8,228	16,563	23,597	33,789	19,465	12,465	11,813	14,881	15,171	11,157	13,146
30%	8,961	7,541	10,999	16,280	21,526	14,045	10,362	11,089	14,266	15,038	10,878	11,670
40%	7,989	7,129	8,941	11,946	13,270	10,533	9,359	10,243	13,507	14,901	10,402	9,009
50%	7,491	6,591	7,287	9,971	10,680	8,794	8,378	9,438	13,166	14,242	9,988	7,519
60%	6,952	6,248	6,667	7,585	8,627	7,935	7,978	8,746	12,458	13,644	9,729	5,659
70%	6,415	5,730	5,917	6,673	7,585	7,291	7,436	8,196	11,657	12,720	9,130	5,094
80%	5,974	5,335	5,418	6,040	6,443	6,682	6,978	7,568	11,107	11,592	8,556	4,656
90%	4,921	4,971	4,931	5,021	4,987	5,481	6,531	7,114	9,863	10,143	7,565	4,257
Long Term												
Full Simulation Period[a]	7,702	7,448	11,454	16,053	19,032	14,854	10,413	9,980	12,959	13,463	9,801	8,604
Water Year Types[b]												
Wet (32%)	8,093	9,576	19,145	30,363	33,068	26,142	14,626	10,640	13,014	14,466	10,519	13,593
Above Normal (15%)	8,472	7,492	9,885	16,220	24,875	16,421	9,933	11,288	14,518	14,722	11,012	9,756
Below Normal (17%)	7,283	6,384	8,679	9,159	12,179	8,314	8,584	8,764	12,327	12,991	9,945	5,089
Dry (22%)	7,558	6,516	7,195	6,843	8,678	8,280	7,843	10,073	12,933	12,930	9,531	5,326
Critical (15%)	6,787	5,430	5,982	6,739	6,302	6,324	7,752	8,522	12,058	11,380	7,273	5,660

Alternative 2A,2B,2C (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	120	-1,436	-1,699	-835	3,456	4,380	-1,762	-32	2,011	63	-794	3,417
20%	-97	-949	-2,465	513	4,692	48	-305	315	2,458	245	-651	3,283
30%	623	-131	-616	974	2,861	-1,942	302	804	2,236	603	-299	4,382
40%	862	18	115	-209	266	-825	364	697	1,824	1,159	-307	2,263
50%	766	-113	173	654	23	-287	-119	610	1,746	1,077	-562	1,226
60%	438	85	112	108	-46	29	-135	181	1,249	810	-527	-259
70%	168	-146	76	36	188	240	-202	51	653	411	-886	-559
80%	44	-254	39	72	65	837	-263	-125	786	-440	-933	-762
90%	-475	-254	-125	133	-137	518	-300	-65	-85	-1,113	-1,238	-799
Long Term												
Full Simulation Period[a]	279	-509	-402	839	1,228	281	-224	21	1,298	134	-829	1,303
Water Year Types[b]												
Wet (32%)	88	-245	-1,621	2,669	3,125	1,287	-423	-1,867	1,118	1,213	-764	3,738
Above Normal (15%)	368	-623	-33	-279	1,643	-58	-476	1,295	2,522	593	432	3,478
Below Normal (17%)	197	-385	363	-110	383	-948	-61	-1	868	-20	-256	-731
Dry (22%)	663	-1,004	-13	-189	-156	-40	-65	1,407	1,159	-438	-1,216	-1,064
Critical (15%)	125	-368	399	640	-235	357	31	783	1,176	-1,624	-2,318	-226

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-16-4. Sacramento River at Bend Bridge, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	10,393	12,305	26,571	33,455	43,263	28,990	17,323	13,997	13,326	15,269	12,596	11,770
20%	9,507	9,178	19,027	23,084	29,097	19,416	12,770	11,498	12,423	14,926	11,809	9,863
30%	8,338	7,672	11,615	15,306	18,665	15,987	10,060	10,285	12,030	14,435	11,177	7,288
40%	7,128	7,112	8,826	12,155	13,004	11,357	8,996	9,547	11,684	13,742	10,709	6,746
50%	6,725	6,704	7,114	9,317	10,657	9,081	8,497	8,828	11,421	13,165	10,550	6,293
60%	6,514	6,163	6,555	7,477	8,672	7,906	8,113	8,564	11,209	12,835	10,256	5,918
70%	6,248	5,876	5,841	6,637	7,397	7,051	7,637	8,145	11,004	12,310	10,016	5,653
80%	5,930	5,589	5,379	5,967	6,379	5,845	7,242	7,693	10,321	12,031	9,489	5,419
90%	5,396	5,225	5,056	4,888	5,124	4,963	6,831	7,179	9,948	11,255	8,803	5,056
Long Term												
Full Simulation Period[a]	7,423	7,956	11,855	15,214	17,804	14,573	10,637	9,959	11,661	13,329	10,630	7,301
Water Year Types[b]												
Wet (32%)	8,006	9,821	20,767	27,694	29,943	24,855	15,049	12,508	11,896	13,253	11,283	9,854
Above Normal (15%)	8,104	8,115	9,919	16,499	23,232	16,479	10,409	9,992	11,996	14,129	10,580	6,277
Below Normal (17%)	7,087	6,769	8,315	9,269	11,796	9,262	8,645	8,765	11,459	13,010	10,202	5,819
Dry (22%)	6,895	7,520	7,208	7,031	8,834	8,320	7,908	8,666	11,774	13,368	10,747	6,390
Critical (15%)	6,662	5,797	5,583	6,099	6,537	5,966	7,721	7,739	10,882	13,004	9,590	5,886

Alternative 3 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	14,483	9,344	25,723	36,059	46,138	33,342	15,625	13,322	15,327	15,354	11,682	7,984
20%	12,764	7,405	16,397	24,932	33,468	19,466	12,941	11,801	15,010	15,167	11,051	7,525
30%	10,915	6,973	11,238	15,567	21,385	14,309	10,613	10,994	14,355	15,088	10,625	7,149
40%	9,394	6,683	9,064	12,714	13,252	11,443	9,315	10,302	13,532	14,943	10,231	6,763
50%	8,246	6,238	7,393	9,705	10,772	9,017	8,675	9,920	13,045	14,384	9,743	6,189
60%	7,535	5,881	6,825	8,187	8,829	8,035	8,120	8,953	12,200	13,262	9,308	5,751
70%	6,629	5,586	6,173	7,239	7,630	7,448	7,444	8,436	11,895	12,417	9,004	5,512
80%	5,681	5,209	5,454	6,189	6,563	6,686	7,145	7,700	11,378	11,381	8,357	4,956
90%	4,778	4,526	4,917	5,376	5,148	5,569	6,604	7,198	9,992	10,387	7,840	4,222
Long Term												
Full Simulation Period[a]	9,068	7,068	11,809	16,381	19,327	14,947	10,580	10,075	12,915	13,473	9,623	6,300
Water Year Types[b]												
Wet (32%)	9,145	9,310	20,199	30,551	33,451	26,195	14,671	10,709	13,029	14,649	10,567	7,543
Above Normal (15%)	9,818	6,443	9,870	16,499	25,197	16,273	10,216	11,058	14,362	14,753	10,769	6,838
Below Normal (17%)	9,091	5,924	8,478	10,188	12,490	8,934	8,886	9,057	12,218	12,777	9,472	5,616
Dry (22%)	8,715	6,375	7,776	7,330	9,027	8,167	7,972	10,284	12,727	12,610	9,178	5,104
Critical (15%)	8,655	5,208	5,504	6,362	6,283	6,434	7,966	8,590	12,315	11,749	7,274	5,660

Alternative 3 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4,091	**-2,961**	**-848**	2,605	2,875	4,352	**-1,698**	**-676**	2,001	85	**-914**	**-3,786**
20%	3,257	**-1,772**	**-2,631**	1,849	4,371	49	171	302	2,587	241	**-757**	**-2,338**
30%	2,577	**-699**	**-377**	261	2,720	**-1,678**	553	709	2,325	654	**-552**	**-140**
40%	2,266	**-429**	238	559	248	85	320	755	1,849	1,201	**-478**	17
50%	1,521	**-465**	279	387	116	**-64**	179	1,092	1,625	1,220	**-807**	**-105**
60%	1,020	**-282**	270	709	157	129	7	388	991	427	**-948**	**-168**
70%	381	**-290**	332	602	233	397	**-193**	291	891	108	**-1,012**	**-142**
80%	**-249**	**-381**	75	222	184	842	**-96**	7	1,057	**-651**	**-1,132**	**-463**
90%	**-618**	**-699**	**-138**	487	24	606	**-227**	19	44	**-868**	**-963**	**-833**
Long Term												
Full Simulation Period[a]	1,645	**-889**	**-46**	1,166	1,523	374	**-57**	115	1,254	144	**-1,007**	**-1,001**
Water Year Types[b]												
Wet (32%)	1,139	**-511**	**-568**	2,856	3,508	1,340	**-378**	**-1,799**	1,134	1,396	**-716**	**-2,312**
Above Normal (15%)	1,715	**-1,672**	**-49**	**0**	1,966	**-206**	**-193**	1,066	2,367	624	189	560
Below Normal (17%)	2,004	**-845**	162	919	694	**-328**	241	293	758	**-233**	**-730**	**-203**
Dry (22%)	1,819	**-1,145**	568	299	193	**-153**	64	1,618	954	**-758**	**-1,569**	**-1,286**
Critical (15%)	1,993	**-589**	**-79**	262	**-254**	468	245	851	1,433	**-1,255**	**-2,317**	**-226**

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-16-5. Sacramento River at Bend Bridge, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	10,393	12,305	26,571	33,455	43,263	28,990	17,323	13,997	13,326	15,269	12,596	11,770
20%	9,507	9,178	19,027	23,084	29,097	19,416	12,770	11,498	12,423	14,926	11,809	9,863
30%	8,338	7,672	11,615	15,306	18,665	15,987	10,060	10,285	12,030	14,435	11,177	7,288
40%	7,128	7,112	8,826	12,155	13,004	11,357	8,996	9,547	11,684	13,742	10,709	6,746
50%	6,725	6,704	7,114	9,317	10,657	9,081	8,497	8,828	11,421	13,165	10,550	6,293
60%	6,514	6,163	6,555	7,477	8,672	7,906	8,113	8,564	11,209	12,835	10,256	5,918
70%	6,248	5,876	5,841	6,637	7,397	7,051	7,637	8,145	11,004	12,310	10,016	5,653
80%	5,930	5,589	5,379	5,967	6,379	5,845	7,242	7,693	10,321	12,031	9,489	5,419
90%	5,396	5,225	5,056	4,888	5,124	4,963	6,831	7,179	9,948	11,255	8,803	5,056
Long Term												
Full Simulation Period[a]	7,423	7,956	11,855	15,214	17,804	14,573	10,637	9,959	11,661	13,329	10,630	7,301
Water Year Types[b]												
Wet (32%)	8,006	9,821	20,767	27,694	29,943	24,855	15,049	12,508	11,896	13,253	11,283	9,854
Above Normal (15%)	8,104	8,115	9,919	16,499	23,232	16,479	10,409	9,992	11,996	14,129	10,580	6,277
Below Normal (17%)	7,087	6,769	8,315	9,269	11,796	9,262	8,645	8,765	11,459	13,010	10,202	5,819
Dry (22%)	6,895	7,520	7,208	7,031	8,834	8,320	7,908	8,666	11,774	13,368	10,747	6,390
Critical (15%)	6,662	5,797	5,583	6,099	6,537	5,966	7,721	7,739	10,882	13,004	9,590	5,886

Alternative 4 H1 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,902	7,931	26,191	37,296	46,718	33,353	15,628	13,421	15,489	15,787	12,508	7,856
20%	9,464	7,252	17,393	27,142	33,783	19,568	12,467	11,559	15,175	15,333	11,587	7,441
30%	8,556	6,889	10,358	17,104	23,399	15,825	10,440	10,922	14,398	15,170	10,939	7,136
40%	8,003	6,572	8,687	13,558	13,229	10,678	9,070	10,367	13,502	14,983	10,570	6,707
50%	7,393	6,187	7,674	10,160	10,772	8,958	8,462	9,409	12,797	14,573	10,246	6,570
60%	6,632	5,696	6,787	8,071	8,827	7,969	8,026	8,632	12,295	14,080	9,683	6,211
70%	6,111	5,476	6,278	7,230	7,707	7,438	7,308	8,128	11,813	13,039	9,169	5,711
80%	5,705	5,184	5,464	6,358	6,571	6,727	7,103	7,657	10,823	11,722	8,657	5,156
90%	4,900	4,887	4,881	5,095	5,055	5,487	6,451	7,036	9,879	10,473	7,937	4,434
Long Term												
Full Simulation Period[a]	7,458	6,940	12,018	16,917	19,560	15,017	10,463	9,910	12,921	13,739	10,051	6,438
Water Year Types[b]												
Wet (32%)	7,598	9,013	20,895	31,287	33,659	26,160	14,739	10,475	12,818	14,747	10,625	7,587
Above Normal (15%)	7,897	6,492	10,043	18,031	26,205	16,799	9,987	10,990	14,275	15,121	11,560	6,627
Below Normal (17%)	7,261	5,904	8,665	9,971	12,938	8,965	8,606	8,960	12,610	13,156	10,057	5,877
Dry (22%)	7,449	6,165	7,396	7,137	8,680	8,167	7,857	10,032	13,189	13,202	9,637	5,607
Critical (15%)	6,957	5,267	5,603	7,441	6,414	6,429	7,751	8,530	11,752	11,659	7,915	5,659

Alternative 4 H1 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	**-491**	**-4,374**	**-380**	3,841	3,455	4,364	**-1,694**	**-576**	2,164	517	**-88**	**-3,914**
20%	**-43**	**-1,926**	**-1,635**	4,058	4,686	152	**-303**	61	2,752	407	**-221**	**-2,422**
30%	219	**-783**	**-1,257**	1,798	4,734	**-162**	380	637	2,369	735	**-238**	**-153**
40%	875	**-540**	**-139**	1,403	225	**-679**	75	820	1,818	1,242	**-139**	**-40**
50%	668	**-516**	560	842	115	**-123**	**-35**	581	1,377	1,408	**-304**	276
60%	118	**-467**	232	594	155	63	**-87**	67	1,087	1,245	**-573**	293
70%	**-136**	**-400**	437	593	310	388	**-329**	**-17**	808	729	**-846**	57
80%	**-225**	**-405**	85	391	192	882	**-139**	**-36**	502	**-309**	**-832**	**-263**
90%	**-496**	**-338**	**-174**	207	**-69**	524	**-380**	**-143**	**-69**	**-782**	**-866**	**-621**
Long Term												
Full Simulation Period[a]	35	**-1,016**	163	1,703	1,757	444	**-173**	**-49**	1,260	411	**-579**	**-863**
Water Year Types[b]												
Wet (32%)	**-408**	**-808**	129	3,593	3,716	1,304	**-310**	**-2,032**	922	1,494	**-658**	**-2,268**
Above Normal (15%)	**-207**	**-1,622**	124	1,532	2,973	320	**-422**	998	2,279	993	980	349
Below Normal (17%)	175	**-865**	350	702	1,142	**-297**	**-39**	195	1,151	145	**-145**	57
Dry (22%)	553	**-1,354**	188	105	**-153**	**-153**	**-51**	1,366	1,416	**-165**	**-1,110**	**-783**
Critical (15%)	295	**-531**	20	1,342	**-123**	463	31	792	870	**-1,345**	**-1,675**	**-226**

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-16-6. Sacramento River at Bend Bridge, Monthly Flow

Existing Condition

Statistic	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	10,393	12,305	26,571	33,455	43,263	28,990	17,323	13,997	13,326	15,269	12,596	11,770
20%	9,507	9,178	19,027	23,084	29,097	19,416	12,770	11,498	12,423	14,926	11,809	9,863
30%	8,338	7,672	11,615	15,306	18,665	15,987	10,060	10,285	12,030	14,435	11,177	7,288
40%	7,128	7,112	8,826	12,155	13,004	11,357	8,996	9,547	11,684	13,742	10,709	6,746
50%	6,725	6,704	7,114	9,317	10,657	9,081	8,497	8,828	11,421	13,165	10,550	6,293
60%	6,514	6,163	6,555	7,477	8,672	7,906	8,113	8,564	11,209	12,835	10,256	5,918
70%	6,248	5,876	5,841	6,637	7,397	7,051	7,637	8,145	11,004	12,310	10,016	5,653
80%	5,930	5,589	5,379	5,967	6,379	5,845	7,242	7,693	10,321	12,031	9,489	5,419
90%	5,396	5,225	5,056	4,888	5,124	4,963	6,831	7,179	9,948	11,255	8,803	5,056
Long Term												
Full Simulation Period[a]	7,423	7,956	11,855	15,214	17,804	14,573	10,637	9,959	11,661	13,329	10,630	7,301
Water Year Types[b]												
Wet (32%)	8,006	9,821	20,767	27,694	29,943	24,855	15,049	12,508	11,896	13,253	11,283	9,854
Above Normal (15%)	8,104	8,115	9,919	16,499	23,232	16,479	10,409	9,992	11,996	14,129	10,580	6,277
Below Normal (17%)	7,087	6,769	8,315	9,269	11,796	9,262	8,645	8,765	11,459	13,010	10,202	5,819
Dry (22%)	6,895	7,520	7,208	7,031	8,834	8,320	7,908	8,666	11,774	13,368	10,747	6,390
Critical (15%)	6,662	5,797	5,583	6,099	6,537	5,966	7,721	7,739	10,882	13,004	9,590	5,886

Alternative 4 H2 (LLT)

Statistic	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	10,336	9,625	28,048	37,948	46,715	33,345	15,564	12,649	14,648	15,310	13,742	8,595
20%	9,418	7,405	17,482	25,137	33,792	19,566	12,494	11,067	13,681	15,165	12,669	7,579
30%	8,421	6,973	11,416	17,339	23,407	14,956	9,887	10,100	12,933	15,038	11,916	7,280
40%	7,874	6,690	8,782	13,158	13,404	10,601	8,948	9,325	12,453	14,941	11,230	7,021
50%	7,486	6,059	7,051	10,124	10,773	8,800	8,407	8,590	11,950	14,754	10,604	6,715
60%	7,167	5,709	6,489	7,973	8,819	7,929	7,909	8,212	11,547	13,985	10,243	6,498
70%	6,500	5,430	5,470	7,239	7,601	7,365	7,312	7,965	11,113	12,494	9,746	6,123
80%	6,066	5,175	5,237	6,484	6,441	6,586	7,087	7,481	10,428	11,692	8,903	5,541
90%	4,774	4,381	4,883	5,811	5,053	5,353	6,387	7,101	9,676	10,956	7,898	4,687
Long Term												
Full Simulation Period[a]	7,668	7,003	11,938	16,878	19,504	14,949	10,372	9,514	12,097	13,728	10,681	6,837
Water Year Types[b]												
Wet (32%)	7,755	9,119	21,342	31,200	33,789	26,155	14,718	10,233	12,049	14,555	11,061	7,716
Above Normal (15%)	8,354	6,449	9,758	17,817	26,085	16,720	9,901	10,723	12,394	14,852	12,079	6,720
Below Normal (17%)	7,119	6,173	8,294	10,009	12,513	8,824	8,446	8,060	11,552	12,981	10,769	7,008
Dry (22%)	7,510	6,276	7,007	7,473	8,671	8,174	7,692	9,510	12,646	13,581	10,921	6,012
Critical (15%)	7,672	5,031	5,390	7,030	6,376	6,208	7,693	8,452	11,720	11,907	7,999	6,089

Alternative 4 H2 (LLT) minus Existing Condition

Statistic	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-57	-2,680	1,478	4,493	3,453	4,356	-1,759	-1,348	1,323	41	1,146	-3,175
20%	-89	-1,773	-1,546	2,054	4,695	150	-277	-431	1,258	239	860	-2,284
30%	84	-699	-199	2,033	4,742	-1,031	-173	-185	903	603	739	-8
40%	747	-422	-44	1,003	400	-756	-48	-221	769	1,199	520	275
50%	761	-645	-63	807	117	-281	-89	-238	529	1,590	54	421
60%	653	-454	-67	496	146	23	-204	-353	338	1,150	-13	580
70%	253	-447	-371	601	204	314	-326	-180	109	184	-270	470
80%	136	-415	-142	516	62	741	-154	-212	107	-339	-586	122
90%	-622	-844	-172	922	-71	389	-444	-78	-272	-299	-905	-369
Long Term												
Full Simulation Period[a]	245	-953	83	1,664	1,700	376	-265	-445	437	400	51	-464
Water Year Types[b]												
Wet (32%)	-251	-702	575	3,506	3,846	1,300	-331	-2,274	153	1,302	-222	-2,139
Above Normal (15%)	250	-1,666	-161	1,317	2,853	241	-508	731	398	723	1,499	443
Below Normal (17%)	32	-596	-21	740	717	-437	-199	-705	93	-29	567	1,189
Dry (22%)	615	-1,243	-201	441	-163	-145	-215	844	873	213	174	-379
Critical (15%)	1,010	-767	-193	931	-161	241	-27	714	838	-1,097	-1,592	203

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-16-7. Sacramento River at Bend Bridge, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	10,393	12,305	26,571	33,455	43,263	28,990	17,323	13,997	13,326	15,269	12,596	11,770
20%	9,507	9,178	19,027	23,084	29,097	19,416	12,770	11,498	12,423	14,926	11,809	9,863
30%	8,338	7,672	11,615	15,306	18,665	15,987	10,060	10,285	12,030	14,435	11,177	7,288
40%	7,128	7,112	8,826	12,155	13,004	11,357	8,996	9,547	11,684	13,742	10,709	6,746
50%	6,725	6,704	7,114	9,317	10,657	9,081	8,497	8,828	11,421	13,165	10,550	6,293
60%	6,514	6,163	6,555	7,477	8,672	7,906	8,113	8,564	11,209	12,835	10,256	5,918
70%	6,248	5,876	5,841	6,637	7,397	7,051	7,637	8,145	11,004	12,310	10,016	5,653
80%	5,930	5,589	5,379	5,967	6,379	5,845	7,242	7,693	10,321	12,031	9,489	5,419
90%	5,396	5,225	5,056	4,888	5,124	4,963	6,831	7,179	9,948	11,255	8,803	5,056
Long Term												
Full Simulation Period[a]	7,423	7,956	11,855	15,214	17,804	14,573	10,637	9,959	11,661	13,329	10,630	7,301
Water Year Types[b]												
Wet (32%)	8,006	9,821	20,767	27,694	29,943	24,855	15,049	12,508	11,896	13,253	11,283	9,854
Above Normal (15%)	8,104	8,115	9,919	16,499	23,232	16,479	10,409	9,992	11,996	14,129	10,580	6,277
Below Normal (17%)	7,087	6,769	8,315	9,269	11,796	9,262	8,645	8,765	11,459	13,010	10,202	5,819
Dry (22%)	6,895	7,520	7,208	7,031	8,834	8,320	7,908	8,666	11,774	13,368	10,747	6,390
Critical (15%)	6,662	5,797	5,583	6,099	6,537	5,966	7,721	7,739	10,882	13,004	9,590	5,886

Alternative 4 H3 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,850	11,026	25,129	32,795	46,728	33,369	15,627	13,395	15,344	15,489	12,542	15,213
20%	9,095	8,195	16,425	23,603	33,784	19,465	12,466	11,678	15,122	15,271	11,664	13,352
30%	8,428	7,573	9,619	16,283	21,407	14,024	10,579	10,990	14,155	15,063	10,974	11,706
40%	8,003	7,114	8,542	12,155	13,265	10,140	9,305	10,030	13,536	14,981	10,416	9,442
50%	7,399	6,673	7,232	9,971	10,678	8,795	8,402	9,269	12,718	14,401	10,238	7,523
60%	6,883	6,263	6,578	7,586	8,627	7,969	7,982	8,670	12,345	13,813	9,870	6,032
70%	6,404	5,748	5,897	6,670	7,585	7,294	7,374	8,238	11,867	12,711	9,156	5,172
80%	5,902	5,327	5,344	6,051	6,443	6,680	6,956	7,660	11,037	11,734	8,578	4,682
90%	4,898	4,972	4,880	5,088	4,987	5,479	6,531	7,115	9,856	10,611	7,767	4,327
Long Term												
Full Simulation Period[a]	7,469	7,455	11,350	16,111	19,102	14,811	10,421	9,868	12,875	13,629	9,962	8,694
Water Year Types[b]												
Wet (32%)	8,034	9,596	19,212	30,343	33,177	26,129	14,593	10,430	12,671	14,649	10,689	13,672
Above Normal (15%)	8,249	7,401	10,058	16,242	25,136	16,288	9,981	11,210	14,352	14,975	11,424	9,737
Below Normal (17%)	7,139	6,576	8,449	9,189	12,162	8,331	8,624	8,752	12,402	13,097	10,276	5,200
Dry (22%)	7,100	6,452	7,054	6,901	8,676	8,174	7,862	9,924	13,179	12,859	9,581	5,504
Critical (15%)	6,403	5,403	5,436	7,034	6,304	6,331	7,756	8,526	11,934	11,851	7,128	5,726

Alternative 4 H3 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	**-543**	**-1,280**	**-1,442**	**-659**	3,465	4,379	**-1,696**	**-603**	2,019	220	**-54**	3,443
20%	**-411**	**-983**	**-2,603**	519	4,688	48	**-304**	180	2,699	345	**-145**	3,489
30%	90	**-100**	**-1,996**	977	2,742	**-1,963**	519	705	2,125	628	**-203**	4,418
40%	875	3	**-284**	0	261	**-1,218**	309	483	1,853	1,239	**-293**	2,696
50%	674	**-30**	118	654	22	**-286**	**-95**	441	1,297	1,236	**-312**	1,230
60%	369	99	23	109	**-45**	63	**-130**	106	1,136	978	**-386**	114
70%	156	**-128**	56	33	188	244	**-264**	93	863	401	**-860**	**-482**
80%	**-28**	**-262**	**-35**	84	64	835	**-286**	**-33**	716	**-297**	**-911**	**-737**
90%	**-498**	**-252**	**-176**	200	**-136**	515	**-300**	**-64**	**-92**	**-644**	**-1,037**	**-729**
Long Term												
Full Simulation Period[a]	46	**-501**	**-505**	897	1,298	238	**-216**	**-91**	1,214	301	**-668**	1,393
Water Year Types[b]												
Wet (32%)	28	**-224**	**-1,554**	2,649	3,234	1,273	**-456**	**-2,078**	775	1,396	**-594**	3,818
Above Normal (15%)	145	**-714**	139	**-258**	1,905	**-192**	**-427**	1,218	2,357	846	843	3,460
Below Normal (17%)	52	**-193**	134	**-81**	366	**-930**	**-21**	**-13**	942	87	75	**-620**
Dry (22%)	204	**-1,068**	**-154**	**-130**	**-158**	**-146**	**-46**	1,258	1,406	**-509**	**-1,165**	**-886**
Critical (15%)	**-259**	**-395**	**-147**	935	**-233**	364	35	787	1,052	**-1,153**	**-2,463**	**-160**

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-16-8. Sacramento River at Bend Bridge, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	10,393	12,305	26,571	33,455	43,263	28,990	17,323	13,997	13,326	15,269	12,596	11,770
20%	9,507	9,178	19,027	23,084	29,097	19,416	12,770	11,498	12,423	14,926	11,809	9,863
30%	8,338	7,672	11,615	15,306	18,665	15,987	10,060	10,285	12,030	14,435	11,177	7,288
40%	7,128	7,112	8,826	12,155	13,004	11,357	8,996	9,547	11,684	13,742	10,709	6,746
50%	6,725	6,704	7,114	9,317	10,657	9,081	8,497	8,828	11,421	13,165	10,550	6,293
60%	6,514	6,163	6,555	7,477	8,672	7,906	8,113	8,564	11,209	12,835	10,256	5,918
70%	6,248	5,876	5,841	6,637	7,397	7,051	7,637	8,145	11,004	12,310	10,016	5,653
80%	5,930	5,589	5,379	5,967	6,379	5,845	7,242	7,693	10,321	12,031	9,489	5,419
90%	5,396	5,225	5,056	4,888	5,124	4,963	6,831	7,179	9,948	11,255	8,803	5,056
Long Term												
Full Simulation Period[a]	7,423	7,956	11,855	15,214	17,804	14,573	10,637	9,959	11,661	13,329	10,630	7,301
Water Year Types[b]												
Wet (32%)	8,006	9,821	20,767	27,694	29,943	24,855	15,049	12,508	11,896	13,253	11,283	9,854
Above Normal (15%)	8,104	8,115	9,919	16,499	23,232	16,479	10,409	9,992	11,996	14,129	10,580	6,277
Below Normal (17%)	7,087	6,769	8,315	9,269	11,796	9,262	8,645	8,765	11,459	13,010	10,202	5,819
Dry (22%)	6,895	7,520	7,208	7,031	8,834	8,320	7,908	8,666	11,774	13,368	10,747	6,390
Critical (15%)	6,662	5,797	5,583	6,099	6,537	5,966	7,721	7,739	10,882	13,004	9,590	5,886

Alternative 4 H4 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	10,804	11,641	25,536	32,041	46,710	33,368	15,628	12,632	14,729	15,321	14,065	15,435
20%	9,195	9,077	15,969	23,562	33,789	19,562	12,468	11,147	13,787	15,163	12,410	14,039
30%	8,361	7,657	10,019	15,779	21,040	14,024	9,477	9,840	12,816	15,011	11,628	11,924
40%	7,757	7,130	8,542	12,156	13,273	10,020	8,750	9,204	12,280	14,900	11,241	10,782
50%	7,423	6,694	7,043	9,519	10,725	8,637	8,402	8,605	11,698	14,535	10,581	8,388
60%	6,974	6,245	6,220	7,518	8,630	7,804	7,885	8,201	11,311	13,863	10,211	6,612
70%	6,473	5,701	5,575	6,530	7,585	7,292	7,197	7,740	10,989	12,937	9,704	5,686
80%	6,203	5,284	5,257	5,846	6,445	6,585	6,945	7,224	10,227	11,688	8,850	4,853
90%	4,771	4,369	4,887	4,975	5,056	5,358	6,386	7,036	9,641	10,847	8,056	4,317
Long Term												
Full Simulation Period[a]	7,668	7,555	11,312	15,923	19,084	14,756	10,277	9,414	12,010	13,731	10,706	9,171
Water Year Types[b]												
Wet (32%)	8,110	9,633	19,384	30,294	33,188	26,126	14,603	10,188	11,934	14,637	11,057	14,053
Above Normal (15%)	8,974	8,015	10,119	16,066	24,903	16,010	10,016	10,602	12,588	14,700	12,311	10,533
Below Normal (17%)	7,028	6,603	8,199	9,286	12,165	8,240	8,110	7,958	11,583	12,982	10,648	5,720
Dry (22%)	7,515	6,534	6,813	6,715	8,679	8,271	7,588	9,274	12,382	13,360	10,922	5,939
Critical (15%)	6,381	5,236	5,396	6,195	6,384	6,194	7,727	8,455	11,537	12,227	8,084	6,108

Alternative 4 H4 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	411	-664	-1,035	-1,414	3,447	4,378	-1,695	-1,366	1,403	52	1,469	3,666
20%	-312	-101	-3,058	478	4,693	146	-303	-351	1,364	237	601	4,176
30%	23	-15	-1,595	473	2,375	-1,963	-583	-445	786	576	451	4,635
40%	629	18	-284	2	270	-1,337	-246	-343	597	1,158	532	4,035
50%	698	-10	-71	201	69	-444	-94	-223	278	1,370	31	2,095
60%	459	82	-335	41	-43	-102	-228	-363	102	1,028	-45	693
70%	226	-175	-266	-107	188	241	-440	-405	-15	627	-312	33
80%	273	-306	-121	-122	66	740	-297	-469	-94	-343	-640	-566
90%	-625	-855	-168	86	-68	394	-446	-143	-307	-408	-748	-739
Long Term												
Full Simulation Period[a]	245	-401	-543	708	1,280	182	-360	-545	349	402	76	1,871
Water Year Types[b]												
Wet (32%)	104	-188	-1,382	2,600	3,245	1,271	-446	-2,320	39	1,384	-226	4,199
Above Normal (15%)	870	-100	200	-433	1,671	-470	-392	610	592	571	1,731	4,255
Below Normal (17%)	-58	-166	-116	17	369	-1,022	-535	-807	123	-28	446	-100
Dry (22%)	620	-986	-395	-316	-155	-48	-320	608	608	-8	175	-451
Critical (15%)	-281	-561	-187	95	-153	228	6	717	655	-777	-1,506	223

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-16-9. Sacramento River at Bend Bridge, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	10,393	12,305	26,571	33,455	43,263	28,990	17,323	13,997	13,326	15,269	12,596	11,770
20%	9,507	9,178	19,027	23,084	29,097	19,416	12,770	11,498	12,423	14,926	11,809	9,863
30%	8,338	7,672	11,615	15,306	18,665	15,987	10,060	10,285	12,030	14,435	11,177	7,288
40%	7,128	7,112	8,826	12,155	13,004	11,357	8,996	9,547	11,684	13,742	10,709	6,746
50%	6,725	6,704	7,114	9,317	10,657	9,081	8,497	8,828	11,421	13,165	10,550	6,293
60%	6,514	6,163	6,555	7,477	8,672	7,906	8,113	8,564	11,209	12,835	10,256	5,918
70%	6,248	5,876	5,841	6,637	7,397	7,051	7,637	8,145	11,004	12,310	10,016	5,653
80%	5,930	5,589	5,379	5,967	6,379	5,845	7,242	7,693	10,321	12,031	9,489	5,419
90%	5,396	5,225	5,056	4,888	5,124	4,963	6,831	7,179	9,948	11,255	8,803	5,056
Long Term												
Full Simulation Period[a]	7,423	7,956	11,855	15,214	17,804	14,573	10,637	9,959	11,661	13,329	10,630	7,301
Water Year Types[b]												
Wet (32%)	8,006	9,821	20,767	27,694	29,943	24,855	15,049	12,508	11,896	13,253	11,283	9,854
Above Normal (15%)	8,104	8,115	9,919	16,499	23,232	16,479	10,409	9,992	11,996	14,129	10,580	6,277
Below Normal (17%)	7,087	6,769	8,315	9,269	11,796	9,262	8,645	8,765	11,459	13,010	10,202	5,819
Dry (22%)	6,895	7,520	7,208	7,031	8,834	8,320	7,908	8,666	11,774	13,368	10,747	6,390
Critical (15%)	6,662	5,797	5,583	6,099	6,537	5,966	7,721	7,739	10,882	13,004	9,590	5,886

Alternative 5 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	11,904	10,846	24,928	32,349	46,704	33,361	15,629	12,635	14,973	15,505	12,583	15,425
20%	9,900	8,275	15,617	23,743	33,443	19,464	12,466	11,276	14,377	15,276	11,810	14,334
30%	8,593	7,634	10,914	16,304	20,335	14,024	10,412	10,210	13,578	15,177	11,285	11,808
40%	8,123	7,213	8,805	12,007	13,272	10,018	9,273	9,665	12,903	15,079	10,782	9,932
50%	7,609	6,972	7,204	9,971	10,682	8,637	8,399	9,239	12,591	14,933	10,172	7,266
60%	6,950	6,394	6,576	7,773	8,638	7,930	7,942	8,672	12,027	14,215	9,721	5,669
70%	6,535	6,117	5,951	6,669	7,586	7,291	7,341	8,023	11,223	13,149	9,218	5,002
80%	5,931	5,300	5,482	6,037	6,464	6,685	6,930	7,500	10,869	11,918	8,590	4,620
90%	4,763	4,917	5,040	4,973	5,055	5,368	6,484	6,999	9,719	10,630	8,137	4,175
Long Term												
Full Simulation Period[a]	7,894	7,615	11,182	16,074	18,887	14,765	10,413	9,623	12,495	13,848	10,130	8,767
Water Year Types[b]												
Wet (32%)	8,144	9,872	18,886	30,378	33,167	26,116	14,620	10,230	12,375	14,525	11,207	14,092
Above Normal (15%)	8,741	7,561	9,881	16,014	24,570	16,262	9,965	10,909	13,229	15,209	11,450	10,327
Below Normal (17%)	8,651	6,461	7,788	9,478	11,291	8,322	8,527	8,258	12,415	13,493	10,119	5,124
Dry (22%)	7,227	6,802	7,379	6,826	8,761	8,035	7,718	9,812	12,999	13,639	9,540	4,849
Critical (15%)	6,622	5,342	5,454	6,712	6,318	6,288	7,987	8,329	11,358	11,747	7,372	5,796

Alternative 5 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,511	-1,459	-1,643	-1,105	3,441	4,372	-1,694	-1,362	1,647	236	-13	3,655
20%	394	-902	-3,411	659	4,347	48	-304	-222	1,954	349	2	4,471
30%	255	-38	-701	998	1,670	-1,963	352	-75	1,548	742	108	4,520
40%	995	102	-22	-148	269	-1,339	277	118	1,219	1,337	72	3,186
50%	884	268	90	654	25	-444	-98	411	1,171	1,768	-378	972
60%	436	231	21	296	-34	24	-170	108	818	1,380	-535	-250
70%	288	241	110	32	189	240	-297	-122	219	840	-797	-651
80%	2	-290	103	70	85	840	-312	-193	548	-113	-899	-798
90%	-633	-307	-16	85	-69	405	-347	-180	-229	-625	-666	-881
Long Term												
Full Simulation Period[a]	471	-342	-673	860	1,084	192	-224	-336	835	519	-500	1,466
Water Year Types[b]												
Wet (32%)	138	51	-1,880	2,683	3,224	1,261	-429	-2,277	480	1,272	-76	4,237
Above Normal (15%)	637	-554	-38	-486	1,338	-218	-443	917	1,233	1,081	870	4,050
Below Normal (17%)	1,564	-309	-527	209	-505	-939	-118	-507	956	483	-82	-695
Dry (22%)	332	-717	171	-205	-73	-284	-190	1,147	1,226	271	-1,207	-1,542
Critical (15%)	-40	-455	-129	613	-219	322	267	590	477	-1,257	-2,218	-89

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-16-10. Sacramento River at Bend Bridge, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	10,393	12,305	26,571	33,455	43,263	28,990	17,323	13,997	13,326	15,269	12,596	11,770
20%	9,507	9,178	19,027	23,084	29,097	19,416	12,770	11,498	12,423	14,926	11,809	9,863
30%	8,338	7,672	11,615	15,306	18,665	15,987	10,060	10,285	12,030	14,435	11,177	7,288
40%	7,128	7,112	8,826	12,155	13,004	11,357	8,996	9,547	11,684	13,742	10,709	6,746
50%	6,725	6,704	7,114	9,317	10,657	9,081	8,497	8,828	11,421	13,165	10,550	6,293
60%	6,514	6,163	6,555	7,477	8,672	7,906	8,113	8,564	11,209	12,835	10,256	5,918
70%	6,248	5,876	5,841	6,637	7,397	7,051	7,637	8,145	11,004	12,310	10,016	5,653
80%	5,930	5,589	5,379	5,967	6,379	5,845	7,242	7,693	10,321	12,031	9,489	5,419
90%	5,396	5,225	5,056	4,888	5,124	4,963	6,831	7,179	9,948	11,255	8,803	5,056
Long Term												
Full Simulation Period[a]	7,423	7,956	11,855	15,214	17,804	14,573	10,637	9,959	11,661	13,329	10,630	7,301
Water Year Types[b]												
Wet (32%)	8,006	9,821	20,767	27,694	29,943	24,855	15,049	12,508	11,896	13,253	11,283	9,854
Above Normal (15%)	8,104	8,115	9,919	16,499	23,232	16,479	10,409	9,992	11,996	14,129	10,580	6,277
Below Normal (17%)	7,087	6,769	8,315	9,269	11,796	9,262	8,645	8,765	11,459	13,010	10,202	5,819
Dry (22%)	6,895	7,520	7,208	7,031	8,834	8,320	7,908	8,666	11,774	13,368	10,747	6,390
Critical (15%)	6,662	5,797	5,583	6,099	6,537	5,966	7,721	7,739	10,882	13,004	9,590	5,886

Alternative 6A,6B,6C (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,171	10,405	25,054	38,082	46,569	33,336	15,567	12,737	14,479	15,376	12,868	13,335
20%	8,607	8,158	16,779	25,929	33,781	19,690	12,764	11,329	13,939	15,231	12,115	10,882
30%	8,181	7,926	11,238	17,750	23,426	14,022	9,908	10,637	12,725	15,121	11,145	9,620
40%	7,946	7,647	8,545	11,820	13,259	10,605	8,429	9,423	12,282	15,011	10,741	8,311
50%	7,563	7,268	7,045	9,518	10,691	8,795	8,087	8,693	11,828	14,798	10,227	6,755
60%	7,279	6,971	6,223	7,514	8,925	7,968	7,481	8,376	11,243	14,519	9,924	5,720
70%	6,991	6,549	5,510	6,503	7,745	7,280	7,133	7,764	11,002	13,921	9,532	4,956
80%	6,450	6,052	5,213	5,847	6,466	6,590	6,888	7,216	10,470	13,315	8,826	4,501
90%	5,084	5,675	4,868	4,940	5,052	4,939	6,275	6,721	9,623	11,114	8,090	4,322
Long Term												
Full Simulation Period[a]	7,398	7,915	11,524	16,506	19,394	14,798	10,241	9,461	12,044	14,122	10,206	7,786
Water Year Types[b]												
Wet (32%)	7,921	9,848	20,314	31,347	33,367	26,157	14,693	10,557	12,058	14,974	11,544	11,844
Above Normal (15%)	7,402	7,911	10,114	17,590	25,692	16,494	10,003	10,577	12,762	14,683	10,673	8,656
Below Normal (17%)	7,479	6,971	7,761	9,152	12,624	8,230	8,027	7,849	11,464	13,317	9,695	5,171
Dry (22%)	7,482	7,199	6,785	6,998	8,706	8,286	7,573	9,072	12,171	14,110	10,052	5,044
Critical (15%)	6,041	5,911	5,389	6,108	6,749	5,925	7,421	8,436	11,782	12,672	7,671	5,288

Alternative 6A,6B,6C (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	**-1,222**	**-1,900**	**-1,517**	4,628	3,307	4,347	**-1,756**	**-1,260**	1,153	106	272	1,565
20%	**-900**	**-1,020**	**-2,248**	2,846	4,684	274	**-6**	**-169**	1,516	305	306	1,019
30%	**-157**	254	**-377**	2,444	4,761	**-1,965**	**-152**	352	695	686	**-32**	2,332
40%	818	536	**-281**	**-335**	256	**-753**	**-567**	**-124**	598	1,270	32	1,565
50%	838	564	**-69**	200	34	**-286**	**-409**	**-135**	407	1,633	**-323**	462
60%	765	807	**-332**	37	253	62	**-632**	**-188**	35	1,685	**-332**	**-199**
70%	744	673	**-330**	**-134**	348	229	**-505**	**-381**	**-2**	1,611	**-484**	**-697**
80%	521	463	**-166**	**-120**	87	745	**-354**	**-477**	148	1,284	**-663**	**-918**
90%	**-312**	451	**-187**	51	**-71**	**-24**	**-556**	**-459**	**-324**	**-141**	**-713**	**-734**
Long Term												
Full Simulation Period[a]	**-24**	**-41**	**-331**	1,292	1,590	225	**-395**	**-498**	383	794	**-424**	485
Water Year Types[b]												
Wet (32%)	**-84**	27	**-453**	3,653	3,424	1,301	**-356**	**-1,951**	163	1,721	261	1,990
Above Normal (15%)	**-702**	**-204**	196	1,091	2,460	15	**-405**	585	767	554	92	2,378
Below Normal (17%)	393	202	**-555**	**-117**	828	**-1,032**	**-618**	**-915**	4	307	**-507**	**-649**
Dry (22%)	587	**-321**	**-423**	**-33**	**-128**	**-34**	**-335**	407	397	743	**-695**	**-1,346**
Critical (15%)	**-621**	113	**-194**	9	212	**-41**	**-300**	697	900	**-332**	**-1,919**	**-598**

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-16-11. Sacramento River at Bend Bridge, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	10,393	12,305	26,571	33,455	43,263	28,990	17,323	13,997	13,326	15,269	12,596	11,770
20%	9,507	9,178	19,027	23,084	29,097	19,416	12,770	11,498	12,423	14,926	11,809	9,863
30%	8,338	7,672	11,615	15,306	18,665	15,987	10,060	10,285	12,030	14,435	11,177	7,288
40%	7,128	7,112	8,826	12,155	13,004	11,357	8,996	9,547	11,684	13,742	10,709	6,746
50%	6,725	6,704	7,114	9,317	10,657	9,081	8,497	8,828	11,421	13,165	10,550	6,293
60%	6,514	6,163	6,555	7,477	8,672	7,906	8,113	8,564	11,209	12,835	10,256	5,918
70%	6,248	5,876	5,841	6,637	7,397	7,051	7,637	8,145	11,004	12,310	10,016	5,653
80%	5,930	5,589	5,379	5,967	6,379	5,845	7,242	7,693	10,321	12,031	9,489	5,419
90%	5,396	5,225	5,056	4,888	5,124	4,963	6,831	7,179	9,948	11,255	8,803	5,056
Long Term												
Full Simulation Period[a]	7,423	7,956	11,855	15,214	17,804	14,573	10,637	9,959	11,661	13,329	10,630	7,301
Water Year Types[b]												
Wet (32%)	8,006	9,821	20,767	27,694	29,943	24,855	15,049	12,508	11,896	13,253	11,283	9,854
Above Normal (15%)	8,104	8,115	9,919	16,499	23,232	16,479	10,409	9,992	11,996	14,129	10,580	6,277
Below Normal (17%)	7,087	6,769	8,315	9,269	11,796	9,262	8,645	8,765	11,459	13,010	10,202	5,819
Dry (22%)	6,895	7,520	7,208	7,031	8,834	8,320	7,908	8,666	11,774	13,368	10,747	6,390
Critical (15%)	6,662	5,797	5,583	6,099	6,537	5,966	7,721	7,739	10,882	13,004	9,590	5,886

Alternative 7 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,508	10,731	25,049	35,913	46,713	33,341	15,629	12,415	15,047	15,958	12,587	15,337
20%	8,891	8,480	16,320	25,384	33,781	19,464	12,764	11,020	14,124	15,371	11,788	12,711
30%	8,246	7,866	9,915	16,296	22,799	14,021	9,652	10,092	13,692	15,165	11,317	11,510
40%	7,979	7,360	8,544	11,942	13,261	10,470	8,409	9,236	12,808	15,041	10,998	8,838
50%	7,585	7,108	7,043	9,519	10,755	8,795	8,024	8,688	12,382	14,805	10,528	6,523
60%	7,349	6,789	6,123	7,514	8,905	7,968	7,378	8,306	11,684	14,455	10,265	5,221
70%	7,055	6,458	5,516	6,529	7,747	7,279	7,101	7,770	11,154	14,157	9,802	4,894
80%	6,656	6,201	5,226	5,847	6,465	6,588	6,886	7,171	10,439	12,900	9,298	4,496
90%	5,237	5,489	4,870	4,938	5,053	4,926	6,178	6,766	9,436	11,774	7,795	4,362
Long Term												
Full Simulation Period[a]	7,640	7,814	11,157	16,174	19,330	14,762	10,172	9,384	12,369	14,217	10,281	8,405
Water Year Types[b]												
Wet (32%)	8,089	9,774	19,431	30,790	33,122	26,128	14,674	10,282	12,644	14,695	10,637	13,649
Above Normal (15%)	8,276	7,831	9,435	16,880	25,683	16,352	9,986	10,745	13,348	15,496	11,199	9,555
Below Normal (17%)	7,276	6,886	7,825	9,228	12,670	8,229	7,895	7,819	11,636	13,866	10,564	4,874
Dry (22%)	7,684	7,012	6,789	6,694	8,647	8,254	7,396	8,774	12,157	14,389	10,753	5,230
Critical (15%)	6,390	5,837	5,394	6,128	6,888	5,929	7,423	8,816	11,969	12,055	7,555	4,775

Alternative 7 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	**-885**	**-1,574**	**-1,522**	2,458	3,451	4,351	**-1,694**	**-1,583**	1,721	689	**-9**	3,567
20%	**-616**	**-698**	**-2,707**	2,300	4,684	47	**-6**	**-478**	1,701	445	**-20**	2,848
30%	**-92**	193	**-1,700**	989	4,134	**-1,966**	**-408**	**-193**	1,663	730	140	4,222
40%	851	249	**-282**	**-212**	258	**-887**	**-586**	**-311**	1,125	1,300	288	2,091
50%	860	404	**-71**	202	98	**-286**	**-472**	**-140**	962	1,640	**-22**	229
60%	835	625	**-432**	37	232	62	**-735**	**-258**	476	1,620	9	**-697**
70%	807	582	**-325**	**-108**	349	228	**-537**	**-374**	149	1,847	**-213**	**-759**
80%	727	612	**-153**	**-121**	86	743	**-356**	**-522**	118	869	**-192**	**-923**
90%	**-159**	264	**-186**	50	**-71**	**-37**	**-653**	**-413**	**-512**	518	**-1,008**	**-694**
Long Term												
Full Simulation Period[a]	217	**-142**	**-698**	960	1,526	189	**-465**	**-576**	708	888	**-349**	1,104
Water Year Types[b]												
Wet (32%)	84	**-46**	**-1,335**	3,095	3,179	1,272	**-375**	**-2,226**	748	1,442	**-646**	3,794
Above Normal (15%)	172	**-283**	**-484**	381	2,452	**-127**	**-423**	753	1,352	1,367	619	3,278
Below Normal (17%)	189	117	**-491**	**-41**	874	**-1,032**	**-750**	**-946**	176	855	362	**-945**
Dry (22%)	788	**-508**	**-419**	**-338**	**-187**	**-65**	**-512**	108	383	1,021	7	**-1,160**
Critical (15%)	**-272**	40	**-189**	28	351	**-37**	**-297**	1,077	1,087	**-949**	**-2,035**	**-1,111**

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-16-12. Sacramento River at Bend Bridge, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	10,393	12,305	26,571	33,455	43,263	28,990	17,323	13,997	13,326	15,269	12,596	11,770
20%	9,507	9,178	19,027	23,084	29,097	19,416	12,770	11,498	12,423	14,926	11,809	9,863
30%	8,338	7,672	11,615	15,306	18,665	15,987	10,060	10,285	12,030	14,435	11,177	7,288
40%	7,128	7,112	8,826	12,155	13,004	11,357	8,996	9,547	11,684	13,742	10,709	6,746
50%	6,725	6,704	7,114	9,317	10,657	9,081	8,497	8,828	11,421	13,165	10,550	6,293
60%	6,514	6,163	6,555	7,477	8,672	7,906	8,113	8,564	11,209	12,835	10,256	5,918
70%	6,248	5,876	5,841	6,637	7,397	7,051	7,637	8,145	11,004	12,310	10,016	5,653
80%	5,930	5,589	5,379	5,967	6,379	5,845	7,242	7,693	10,321	12,031	9,489	5,419
90%	5,396	5,225	5,056	4,888	5,124	4,963	6,831	7,179	9,948	11,255	8,803	5,056
Long Term												
Full Simulation Period[a]	7,423	7,956	11,855	15,214	17,804	14,573	10,637	9,959	11,661	13,329	10,630	7,301
Water Year Types[b]												
Wet (32%)	8,006	9,821	20,767	27,694	29,943	24,855	15,049	12,508	11,896	13,253	11,283	9,854
Above Normal (15%)	8,104	8,115	9,919	16,499	23,232	16,479	10,409	9,992	11,996	14,129	10,580	6,277
Below Normal (17%)	7,087	6,769	8,315	9,269	11,796	9,262	8,645	8,765	11,459	13,010	10,202	5,819
Dry (22%)	6,895	7,520	7,208	7,031	8,834	8,320	7,908	8,666	11,774	13,368	10,747	6,390
Critical (15%)	6,662	5,797	5,583	6,099	6,537	5,966	7,721	7,739	10,882	13,004	9,590	5,886

Alternative 8 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,244	10,326	25,014	37,856	46,684	33,337	16,517	14,936	15,407	15,235	11,612	12,695
20%	7,587	7,974	16,896	25,352	33,789	19,602	14,141	12,647	14,576	14,780	11,145	11,954
30%	6,849	7,367	10,014	17,867	19,788	14,386	12,260	11,743	14,217	14,214	10,427	10,665
40%	6,336	7,065	8,540	12,647	13,413	12,480	11,253	10,568	13,470	13,674	9,929	7,796
50%	5,939	6,644	7,041	10,122	11,063	9,982	10,662	9,352	12,670	13,227	9,780	5,575
60%	5,640	6,202	6,187	7,511	9,389	8,650	8,744	8,703	11,852	12,766	9,388	4,778
70%	5,305	5,878	5,518	6,494	8,068	7,739	8,327	8,218	11,151	12,141	9,000	4,559
80%	4,902	5,618	5,221	5,839	7,333	6,824	7,421	7,873	10,657	11,358	8,634	4,166
90%	4,534	5,316	5,037	4,949	5,261	5,484	6,586	7,161	9,820	10,273	8,008	3,994
Long Term												
Full Simulation Period[a]	6,489	7,470	11,405	16,697	19,401	15,372	11,592	10,401	12,647	12,936	9,610	7,591
Water Year Types[b]												
Wet (32%)	7,051	9,547	20,127	31,684	33,526	26,181	15,170	11,471	13,425	13,954	10,324	12,274
Above Normal (15%)	7,254	7,492	9,073	17,469	24,863	16,567	11,595	12,561	13,961	13,565	9,685	8,557
Below Normal (17%)	5,938	6,495	8,155	10,133	11,970	9,072	11,193	9,835	11,666	11,567	8,741	4,408
Dry (22%)	6,500	6,575	6,783	6,693	9,433	9,891	9,416	8,967	11,360	12,899	10,438	4,449
Critical (15%)	5,134	5,430	5,561	6,121	6,954	6,331	7,562	8,734	12,724	11,757	7,762	4,902

Alternative 8 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-1,149	-1,979	-1,557	4,402	3,421	4,347	-806	939	2,082	-34	-984	925
20%	-1,920	-1,204	-2,132	2,268	4,693	186	1,371	1,148	2,153	-146	-663	2,091
30%	-1,489	-305	-1,601	2,561	1,123	-1,600	2,200	1,458	2,187	-221	-750	3,376
40%	-792	-47	-287	492	409	1,122	2,258	1,021	1,787	-67	-781	1,050
50%	-787	-59	-73	805	406	901	2,165	524	1,249	63	-770	-719
60%	-875	39	-369	34	717	744	632	138	643	-69	-868	-1,141
70%	-942	2	-322	-143	671	688	690	73	147	-169	-1,015	-1,095
80%	-1,028	29	-158	-129	955	979	179	181	336	-673	-855	-1,253
90%	-862	92	-19	61	137	521	-245	-18	-128	-983	-795	-1,062
Long Term												
Full Simulation Period[a]	-933	-486	-450	1,483	1,597	799	955	442	986	-392	-1,020	290
Water Year Types[b]												
Wet (32%)	-954	-274	-639	3,990	3,583	1,325	121	-1,036	1,529	701	-959	2,420
Above Normal (15%)	-850	-623	-846	969	1,631	87	1,186	2,569	1,965	-563	-895	2,280
Below Normal (17%)	-1,149	-274	-160	864	174	-190	2,548	1,070	207	-1,443	-1,461	-1,412
Dry (22%)	-395	-945	-425	-339	599	1,571	1,508	301	-414	-469	-309	-1,941
Critical (15%)	-1,528	-367	-22	22	417	365	-159	995	1,842	-1,247	-1,828	-984

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-16-13. Sacramento River at Bend Bridge, Monthly Flow

Existing Condition

Statistic	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	10,393	12,305	26,571	33,455	43,263	28,990	17,323	13,997	13,326	15,269	12,596	11,770
20%	9,507	9,178	19,027	23,084	29,097	19,416	12,770	11,498	12,423	14,926	11,809	9,863
30%	8,338	7,672	11,615	15,306	18,665	15,987	10,060	10,285	12,030	14,435	11,177	7,288
40%	7,128	7,112	8,826	12,155	13,004	11,357	8,996	9,547	11,684	13,742	10,709	6,746
50%	6,725	6,704	7,114	9,317	10,657	9,081	8,497	8,828	11,421	13,165	10,550	6,293
60%	6,514	6,163	6,555	7,477	8,672	7,906	8,113	8,564	11,209	12,835	10,256	5,918
70%	6,248	5,876	5,841	6,637	7,397	7,051	7,637	8,145	11,004	12,310	10,016	5,653
80%	5,930	5,589	5,379	5,967	6,379	5,845	7,242	7,693	10,321	12,031	9,489	5,419
90%	5,396	5,225	5,056	4,888	5,124	4,963	6,831	7,179	9,948	11,255	8,803	5,056
Long Term												
Full Simulation Period[a]	7,423	7,956	11,855	15,214	17,804	14,573	10,637	9,959	11,661	13,329	10,630	7,301
Water Year Types[b]												
Wet (32%)	8,006	9,821	20,767	27,694	29,943	24,855	15,049	12,508	11,896	13,253	11,283	9,854
Above Normal (15%)	8,104	8,115	9,919	16,499	23,232	16,479	10,409	9,992	11,996	14,129	10,580	6,277
Below Normal (17%)	7,087	6,769	8,315	9,269	11,796	9,262	8,645	8,765	11,459	13,010	10,202	5,819
Dry (22%)	6,895	7,520	7,208	7,031	8,834	8,320	7,908	8,666	11,774	13,368	10,747	6,390
Critical (15%)	6,662	5,797	5,583	6,099	6,537	5,966	7,721	7,739	10,882	13,004	9,590	5,886

Alternative 9 (LLT)

Statistic	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,561	12,714	25,682	35,973	47,644	33,376	15,573	13,106	14,982	15,385	12,554	15,267
20%	8,719	11,015	16,334	25,721	33,556	19,563	12,647	11,578	14,231	15,190	11,344	14,213
30%	8,049	9,885	9,619	15,639	21,635	14,021	10,583	10,606	12,762	15,004	11,023	12,045
40%	7,392	8,251	8,529	11,818	13,270	10,135	9,281	9,726	12,219	14,771	10,707	9,573
50%	7,000	7,385	7,178	9,525	10,704	8,841	8,411	9,127	11,704	14,203	10,402	6,747
60%	6,732	6,838	6,359	7,520	8,517	7,899	7,753	8,606	11,200	13,431	10,086	6,014
70%	6,402	6,353	5,871	6,531	7,586	7,141	7,257	7,979	10,770	12,870	9,783	5,230
80%	5,532	5,872	5,523	5,852	6,444	6,588	6,922	7,664	10,149	12,169	8,919	4,622
90%	4,953	5,151	5,111	4,939	5,011	5,244	6,181	6,916	9,712	11,126	8,188	4,138
Long Term												
Full Simulation Period[a]	7,226	8,626	11,295	16,014	19,041	14,727	10,415	9,731	12,032	13,622	10,208	8,791
Water Year Types[b]												
Wet (32%)	8,082	10,687	19,130	30,367	33,287	26,057	14,576	10,042	11,704	14,407	10,472	14,119
Above Normal (15%)	7,312	9,163	9,812	16,763	24,661	15,972	9,937	10,071	13,008	14,891	10,994	10,307
Below Normal (17%)	6,776	8,249	8,277	9,180	12,099	8,234	8,243	8,640	11,443	12,876	10,059	6,099
Dry (22%)	7,165	7,185	6,967	6,692	8,597	8,346	8,121	10,662	12,595	13,434	10,686	4,807
Critical (15%)	5,899	6,224	5,816	6,125	6,316	6,079	7,852	8,595	11,609	11,801	8,303	4,847

Alternative 9 (LLT) minus Existing Condition

Statistic	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	**-832**	409	**-889**	2,518	4,381	4,387	**-1,750**	**-891**	1,656	115	**-42**	3,497
20%	**-787**	1,837	**-2,693**	2,637	4,459	147	**-124**	80	1,808	264	**-464**	4,351
30%	**-289**	2,213	**-1,996**	333	2,970	**-1,966**	523	321	732	569	**-154**	4,757
40%	264	1,139	**-297**	**-337**	266	**-1,222**	285	179	536	1,030	**-2**	2,826
50%	275	682	64	208	47	**-240**	**-86**	299	283	1,039	**-148**	454
60%	218	675	**-196**	43	**-156**	**-8**	**-360**	41	**-9**	596	**-170**	95
70%	154	477	30	**-107**	189	90	**-381**	**-166**	**-234**	560	**-233**	**-423**
80%	**-398**	283	144	**-115**	66	743	**-320**	**-29**	**-173**	137	**-570**	**-797**
90%	**-443**	**-74**	56	50	**-113**	280	**-650**	**-263**	**-236**	**-129**	**-615**	**-917**
Long Term												
Full Simulation Period[a]	**-197**	670	**-560**	800	1,237	154	**-222**	**-228**	372	293	**-423**	1,490
Water Year Types[b]												
Wet (32%)	76	866	**-1,636**	2,672	3,344	1,202	**-473**	**-2,465**	**-191**	1,154	**-811**	4,264
Above Normal (15%)	**-792**	1,049	**-106**	264	1,430	**-508**	**-472**	79	1,012	762	414	4,030
Below Normal (17%)	**-311**	1,479	**-38**	**-89**	303	**-1,027**	**-402**	**-125**	**-16**	**-134**	**-143**	280
Dry (22%)	269	**-335**	**-241**	**-340**	**-236**	26	214	1,996	821	67	**-61**	**-1,584**
Critical (15%)	**-763**	426	233	26	**-221**	112	131	856	728	**-1,203**	**-1,287**	**-1,039**

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-16-14. Sacramento River at Bend Bridge, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	10,447	12,623	25,396	31,966	46,128	33,361	15,567	12,345	14,638	15,501	12,585	15,057
20%	9,416	11,068	16,427	24,980	33,376	19,691	12,466	10,776	13,774	15,189	11,756	13,374
30%	8,545	9,497	9,919	15,671	20,374	14,024	10,006	9,763	12,967	15,104	11,521	11,144
40%	8,045	8,208	8,534	12,137	13,251	10,021	8,923	8,942	12,195	14,986	11,052	8,921
50%	7,486	7,714	7,184	9,977	10,678	8,637	8,100	8,430	11,737	14,755	10,716	6,972
60%	7,095	6,993	6,339	7,698	8,560	7,803	7,760	8,125	11,322	14,285	10,323	5,906
70%	6,717	6,360	5,871	6,855	7,589	7,320	7,203	7,740	10,950	13,218	9,942	5,228
80%	6,118	5,545	5,485	6,069	6,445	6,689	6,877	7,342	10,374	12,271	9,478	4,762
90%	4,881	4,697	4,926	4,958	5,055	5,273	6,478	6,921	9,873	11,192	8,063	4,342
Long Term												
Full Simulation Period[a]	7,665	8,487	11,310	16,092	18,882	14,779	10,303	9,188	12,040	13,897	10,464	8,534
Water Year Types[b]												
Wet (32%)	8,174	10,764	19,356	30,034	33,147	26,057	14,716	10,039	11,710	14,523	10,735	13,311
Above Normal (15%)	8,154	9,069	9,950	16,655	24,563	16,307	9,691	10,026	12,784	15,141	11,775	10,318
Below Normal (17%)	7,771	7,661	8,136	9,035	11,408	8,403	8,217	7,859	11,646	13,257	10,364	5,962
Dry (22%)	7,279	7,318	7,009	7,196	8,678	8,236	7,621	9,001	12,438	13,826	11,143	4,910
Critical (15%)	6,528	5,690	5,389	6,899	6,318	6,070	7,808	8,341	11,878	12,149	7,665	4,837

Alternative 1A,1B,1C (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	15,337	10,657	25,724	36,139	46,762	33,387	15,625	13,340	15,376	15,326	11,597	7,627
20%	13,105	7,278	16,329	23,664	33,789	19,465	12,796	11,751	15,126	15,157	10,936	7,267
30%	11,062	6,902	11,464	15,351	21,612	14,308	10,738	10,817	14,463	15,028	10,568	6,945
40%	9,899	6,618	9,061	13,145	12,969	11,372	9,750	10,235	13,819	14,923	10,231	6,585
50%	8,395	6,223	7,318	10,697	10,678	9,170	8,798	9,813	13,166	14,104	9,724	6,416
60%	7,267	5,798	6,715	8,300	8,637	7,967	8,352	8,972	12,486	13,103	9,296	5,795
70%	6,655	5,499	6,007	7,362	7,630	7,299	7,767	8,458	11,982	12,399	8,834	5,444
80%	5,929	5,221	5,282	6,310	6,572	6,683	7,183	7,754	11,489	11,286	8,298	5,050
90%	4,715	4,768	4,887	5,243	5,314	5,523	6,882	7,198	9,944	10,286	7,859	4,234
Long Term												
Full Simulation Period[a]	9,173	7,120	11,721	16,374	19,280	14,898	10,692	10,072	13,056	13,366	9,599	6,237
Water Year Types[b]												
Wet (32%)	9,185	9,614	20,294	30,405	33,133	26,193	14,670	10,756	13,200	14,584	10,542	7,474
Above Normal (15%)	9,476	6,378	9,970	16,431	26,003	16,039	10,293	11,102	14,528	14,715	10,714	6,678
Below Normal (17%)	9,670	5,950	8,368	10,512	12,095	8,948	8,925	8,923	12,282	12,205	9,565	5,648
Dry (22%)	8,895	6,221	7,289	7,467	8,873	8,152	8,394	10,266	13,024	12,687	9,034	5,177
Critical (15%)	8,682	5,172	5,454	6,117	6,534	6,345	7,982	8,608	12,224	11,748	7,330	5,392

Alternative 1A,1B,1C (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4,890	**-1,965**	328	4,174	634	26	58	995	738	**-175**	**-988**	**-7,430**
20%	3,689	**-3,790**	**-97**	**-1,317**	413	**-225**	330	975	1,351	**-31**	**-820**	**-6,106**
30%	2,517	**-2,596**	1,544	**-320**	1,238	284	731	1,055	1,496	**-76**	**-953**	**-4,199**
40%	1,854	**-1,590**	527	1,008	**-282**	1,351	827	1,293	1,625	**-63**	**-821**	**-2,336**
50%	908	**-1,492**	134	720	**0**	533	698	1,383	1,428	**-651**	**-992**	**-555**
60%	172	**-1,195**	376	602	77	164	592	848	1,164	**-1,182**	**-1,027**	**-111**
70%	**-62**	**-861**	136	507	40	**-22**	565	719	1,032	**-819**	**-1,108**	216
80%	**-189**	**-325**	**-204**	241	127	**-7**	307	411	1,115	**-986**	**-1,180**	288
90%	**-165**	71	**-39**	285	258	250	404	278	72	**-906**	**-204**	**-108**
Long Term												
Full Simulation Period[a]	1,508	**-1,367**	411	282	398	119	389	883	1,016	**-531**	**-865**	**-2,297**
Water Year Types[b]												
Wet (32%)	1,012	**-1,150**	938	371	**-13**	136	**-46**	717	1,490	61	**-192**	**-5,837**
Above Normal (15%)	1,323	**-2,691**	20	**-224**	1,441	**-268**	601	1,076	1,744	**-426**	**-1,061**	**-3,640**
Below Normal (17%)	1,899	**-1,711**	231	1,476	687	545	707	1,064	636	**-1,053**	**-799**	**-314**
Dry (22%)	1,615	**-1,097**	280	271	195	**-83**	772	1,265	587	**-1,139**	**-2,109**	267
Critical (15%)	2,154	**-518**	65	**-782**	216	275	173	267	346	**-400**	**-335**	555

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-16-15. Sacramento River at Bend Bridge, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	10,447	12,623	25,396	31,966	46,128	33,361	15,567	12,345	14,638	15,501	12,585	15,057
20%	9,416	11,068	16,427	24,980	33,376	19,691	12,466	10,776	13,774	15,189	11,756	13,374
30%	8,545	9,497	9,919	15,671	20,374	14,024	10,006	9,763	12,967	15,104	11,521	11,144
40%	8,045	8,208	8,534	12,137	13,251	10,021	8,923	8,942	12,195	14,986	11,052	8,921
50%	7,486	7,714	7,184	9,977	10,678	8,637	8,100	8,430	11,737	14,755	10,716	6,972
60%	7,095	6,993	6,339	7,698	8,560	7,803	7,760	8,125	11,322	14,285	10,323	5,906
70%	6,717	6,360	5,871	6,855	7,589	7,320	7,203	7,740	10,950	13,218	9,942	5,228
80%	6,118	5,545	5,485	6,069	6,445	6,689	6,877	7,342	10,374	12,271	9,478	4,762
90%	4,881	4,697	4,926	4,958	5,055	5,273	6,478	6,921	9,873	11,192	8,063	4,342
Long Term												
Full Simulation Period[a]	7,665	8,487	11,310	16,092	18,882	14,779	10,303	9,188	12,040	13,897	10,464	8,534
Water Year Types[b]												
Wet (32%)	8,174	10,764	19,356	30,034	33,147	26,057	14,716	10,039	11,710	14,523	10,735	13,311
Above Normal (15%)	8,154	9,069	9,950	16,655	24,563	16,307	9,691	10,026	12,784	15,141	11,775	10,318
Below Normal (17%)	7,771	7,661	8,136	9,035	11,408	8,403	8,217	7,859	11,646	13,257	10,364	5,962
Dry (22%)	7,279	7,318	7,009	7,196	8,678	8,236	7,621	9,001	12,438	13,826	11,143	4,910
Critical (15%)	6,528	5,690	5,389	6,899	6,318	6,070	7,808	8,341	11,878	12,149	7,665	4,837

Alternative 2A,2B,2C (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	10,513	10,869	24,871	32,620	46,718	33,369	15,561	13,965	15,337	15,332	11,802	15,186
20%	9,410	8,228	16,563	23,597	33,789	19,465	12,465	11,813	14,881	15,171	11,157	13,146
30%	8,961	7,541	10,999	16,280	21,526	14,045	10,362	11,089	14,266	15,038	10,878	11,670
40%	7,989	7,129	8,941	11,946	13,270	10,533	9,359	10,243	13,507	14,901	10,402	9,009
50%	7,491	6,591	7,287	9,971	10,680	8,794	8,378	9,438	13,166	14,242	9,988	7,519
60%	6,952	6,248	6,667	7,585	8,627	7,935	7,978	8,746	12,458	13,644	9,729	5,659
70%	6,415	5,730	5,917	6,673	7,585	7,291	7,436	8,196	11,657	12,720	9,130	5,094
80%	5,974	5,335	5,418	6,040	6,443	6,682	6,978	7,568	11,107	11,592	8,556	4,656
90%	4,921	4,971	4,931	5,021	4,987	5,481	6,531	7,114	9,863	10,143	7,565	4,257
Long Term												
Full Simulation Period[a]	7,702	7,448	11,454	16,053	19,032	14,854	10,413	9,980	12,959	13,463	9,801	8,604
Water Year Types[b]												
Wet (32%)	8,093	9,576	19,145	30,363	33,068	26,142	14,626	10,640	13,014	14,466	10,519	13,593
Above Normal (15%)	8,472	7,492	9,885	16,220	24,875	16,421	9,933	11,288	14,518	14,722	11,012	9,756
Below Normal (17%)	7,283	6,384	8,679	9,159	12,179	8,314	8,584	8,764	12,327	12,991	9,945	5,089
Dry (22%)	7,558	6,516	7,195	6,843	8,678	8,280	7,843	10,073	12,933	12,930	9,531	5,326
Critical (15%)	6,787	5,430	5,982	6,739	6,302	6,324	7,752	8,522	12,058	11,380	7,273	5,660

Alternative 2A,2B,2C (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	65	-1,753	-525	654	590	9	-7	1,620	699	-169	-783	129
20%	-6	-2,840	136	-1,384	413	-226	-1	1,037	1,106	-17	-599	-228
30%	416	-1,956	1,080	609	1,152	21	356	1,327	1,299	-66	-642	527
40%	-55	-1,079	407	-191	18	512	437	1,301	1,312	-85	-649	88
50%	5	-1,124	103	-6	2	157	278	1,008	1,429	-513	-728	548
60%	-142	-744	328	-113	66	132	217	621	1,136	-640	-594	-247
70%	-302	-629	46	-182	-4	-30	233	456	707	-498	-812	-134
80%	-144	-210	-67	-30	-1	-8	102	226	733	-680	-922	-106
90%	40	273	5	64	-68	208	53	193	-9	-1,049	-498	-85
Long Term												
Full Simulation Period[a]	37	-1,040	144	-39	150	75	110	792	918	-434	-663	70
Water Year Types[b]												
Wet (32%)	-80	-1,188	-211	330	-79	86	-90	602	1,304	-57	-215	282
Above Normal (15%)	318	-1,576	-65	-435	312	114	241	1,261	1,734	-419	-763	-563
Below Normal (17%)	-487	-1,277	542	124	771	-89	367	905	681	-267	-418	-873
Dry (22%)	279	-803	186	-354	0	44	221	1,072	496	-896	-1,612	416
Critical (15%)	258	-260	593	-160	-16	254	-57	181	180	-769	-392	823

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-16-16. Sacramento River at Bend Bridge, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	10,447	12,623	25,396	31,966	46,128	33,361	15,567	12,345	14,638	15,501	12,585	15,057
20%	9,416	11,068	16,427	24,980	33,376	19,691	12,466	10,776	13,774	15,189	11,756	13,374
30%	8,545	9,497	9,919	15,671	20,374	14,024	10,006	9,763	12,967	15,104	11,521	11,144
40%	8,045	8,208	8,534	12,137	13,251	10,021	8,923	8,942	12,195	14,986	11,052	8,921
50%	7,486	7,714	7,184	9,977	10,678	8,637	8,100	8,430	11,737	14,755	10,716	6,972
60%	7,095	6,993	6,339	7,698	8,560	7,803	7,760	8,125	11,322	14,285	10,323	5,906
70%	6,717	6,360	5,871	6,855	7,589	7,320	7,203	7,740	10,950	13,218	9,942	5,228
80%	6,118	5,545	5,485	6,069	6,445	6,689	6,877	7,342	10,374	12,271	9,478	4,762
90%	4,881	4,697	4,926	4,958	5,055	5,273	6,478	6,921	9,873	11,192	8,063	4,342
Long Term												
Full Simulation Period[a]	7,665	8,487	11,310	16,092	18,882	14,779	10,303	9,188	12,040	13,897	10,464	8,534
Water Year Types[b]												
Wet (32%)	8,174	10,764	19,356	30,034	33,147	26,057	14,716	10,039	11,710	14,523	10,735	13,311
Above Normal (15%)	8,154	9,069	9,950	16,655	24,563	16,307	9,691	10,026	12,784	15,141	11,775	10,318
Below Normal (17%)	7,771	7,661	8,136	9,035	11,408	8,403	8,217	7,859	11,646	13,257	10,364	5,962
Dry (22%)	7,279	7,318	7,009	7,196	8,678	8,236	7,621	9,001	12,438	13,826	11,143	4,910
Critical (15%)	6,528	5,690	5,389	6,899	6,318	6,070	7,808	8,341	11,878	12,149	7,665	4,837

Alternative 3 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	14,483	9,344	25,723	36,059	46,138	33,342	15,625	13,322	15,327	15,354	11,682	7,984
20%	12,764	7,405	16,397	24,932	33,468	19,466	12,941	11,801	15,010	15,167	11,051	7,525
30%	10,915	6,973	11,238	15,567	21,385	14,309	10,613	10,994	14,355	15,088	10,625	7,149
40%	9,394	6,683	9,064	12,714	13,252	11,443	9,315	10,302	13,532	14,943	10,231	6,763
50%	8,246	6,238	7,393	9,705	10,772	9,017	8,675	9,920	13,045	14,384	9,743	6,189
60%	7,535	5,881	6,825	8,187	8,829	8,035	8,120	8,953	12,200	13,262	9,308	5,751
70%	6,629	5,586	6,173	7,239	7,630	7,448	7,444	8,436	11,895	12,417	9,004	5,512
80%	5,681	5,209	5,454	6,189	6,563	6,686	7,145	7,700	11,378	11,381	8,357	4,956
90%	4,778	4,526	4,917	5,376	5,148	5,569	6,604	7,198	9,992	10,387	7,840	4,222
Long Term												
Full Simulation Period[a]	9,068	7,068	11,809	16,381	19,327	14,947	10,580	10,075	12,915	13,473	9,623	6,300
Water Year Types[b]												
Wet (32%)	9,145	9,310	20,199	30,551	33,451	26,195	14,671	10,709	13,029	14,649	10,567	7,543
Above Normal (15%)	9,818	6,443	9,870	16,499	25,197	16,273	10,216	11,058	14,362	14,753	10,769	6,838
Below Normal (17%)	9,091	5,924	8,478	10,188	12,490	8,934	8,886	9,057	12,218	12,777	9,472	5,616
Dry (22%)	8,715	6,375	7,776	7,330	9,027	8,167	7,972	10,284	12,727	12,610	9,178	5,104
Critical (15%)	8,655	5,208	5,504	6,362	6,283	6,434	7,966	8,590	12,315	11,749	7,274	5,660

Alternative 3 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4,036	-3,278	326	4,094	10	-19	57	977	688	-147	-903	-7,073
20%	3,348	-3,663	-30	-48	92	-225	475	1,025	1,236	-22	-705	-5,849
30%	2,370	-2,524	1,319	-104	1,011	285	606	1,232	1,388	-15	-896	-3,995
40%	1,349	-1,525	530	577	0	1,422	393	1,360	1,338	-43	-821	-2,158
50%	760	-1,476	210	-273	95	380	576	1,489	1,308	-371	-973	-783
60%	440	-1,112	486	488	269	233	360	828	878	-1,023	-1,015	-155
70%	-88	-774	302	384	41	127	241	696	944	-801	-938	283
80%	-437	-337	-31	119	119	-3	269	358	1,004	-891	-1,121	194
90%	-103	-172	-9	418	92	296	127	277	119	-805	-223	-120
Long Term												
Full Simulation Period[a]	1,403	-1,420	499	289	445	168	276	886	874	-424	-841	-2,234
Water Year Types[b]												
Wet (32%)	971	-1,455	843	517	304	139	-45	670	1,319	126	-168	-5,768
Above Normal (15%)	1,665	-2,626	-80	-156	635	-34	524	1,032	1,578	-388	-1,006	-3,481
Below Normal (17%)	1,321	-1,737	341	1,152	1,082	531	669	1,199	572	-480	-892	-346
Dry (22%)	1,435	-944	768	134	349	-69	350	1,283	290	-1,216	-1,965	194
Critical (15%)	2,127	-482	115	-537	-35	364	157	249	436	-400	-391	823

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-16-17. Sacramento River at Bend Bridge, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	10,447	12,623	25,396	31,966	46,128	33,361	15,567	12,345	14,638	15,501	12,585	15,057
20%	9,416	11,068	16,427	24,980	33,376	19,691	12,466	10,776	13,774	15,189	11,756	13,374
30%	8,545	9,497	9,919	15,671	20,374	14,024	10,006	9,763	12,967	15,104	11,521	11,144
40%	8,045	8,208	8,534	12,137	13,251	10,021	8,923	8,942	12,195	14,986	11,052	8,921
50%	7,486	7,714	7,184	9,977	10,678	8,637	8,100	8,430	11,737	14,755	10,716	6,972
60%	7,095	6,993	6,339	7,698	8,560	7,803	7,760	8,125	11,322	14,285	10,323	5,906
70%	6,717	6,360	5,871	6,855	7,589	7,320	7,203	7,740	10,950	13,218	9,942	5,228
80%	6,118	5,545	5,485	6,069	6,445	6,689	6,877	7,342	10,374	12,271	9,478	4,762
90%	4,881	4,697	4,926	4,958	5,055	5,273	6,478	6,921	9,873	11,192	8,063	4,342
Long Term												
Full Simulation Period[a]	7,665	8,487	11,310	16,092	18,882	14,779	10,303	9,188	12,040	13,897	10,464	8,534
Water Year Types[b]												
Wet (32%)	8,174	10,764	19,356	30,034	33,147	26,057	14,716	10,039	11,710	14,523	10,735	13,311
Above Normal (15%)	8,154	9,069	9,950	16,655	24,563	16,307	9,691	10,026	12,784	15,141	11,775	10,318
Below Normal (17%)	7,771	7,661	8,136	9,035	11,408	8,403	8,217	7,859	11,646	13,257	10,364	5,962
Dry (22%)	7,279	7,318	7,009	7,196	8,678	8,236	7,621	9,001	12,438	13,826	11,143	4,910
Critical (15%)	6,528	5,690	5,389	6,899	6,318	6,070	7,808	8,341	11,878	12,149	7,665	4,837

Alternative 4 H1 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,902	7,931	26,191	37,296	46,718	33,353	15,628	13,421	15,489	15,787	12,508	7,856
20%	9,464	7,252	17,393	27,142	33,783	19,568	12,467	11,559	15,175	15,333	11,587	7,441
30%	8,556	6,889	10,358	17,104	23,399	15,825	10,440	10,922	14,398	15,170	10,939	7,136
40%	8,003	6,572	8,687	13,558	13,229	10,678	9,070	10,367	13,502	14,983	10,570	6,707
50%	7,393	6,187	7,674	10,160	10,772	8,958	8,462	9,409	12,797	14,573	10,246	6,570
60%	6,632	5,696	6,787	8,071	8,827	7,969	8,026	8,632	12,295	14,080	9,683	6,211
70%	6,111	5,476	6,278	7,230	7,707	7,438	7,308	8,128	11,813	13,039	9,169	5,711
80%	5,705	5,184	5,464	6,358	6,571	6,727	7,103	7,657	10,823	11,722	8,657	5,156
90%	4,900	4,887	4,881	5,095	5,055	5,487	6,451	7,036	9,879	10,473	7,937	4,434
Long Term												
Full Simulation Period[a]	7,458	6,940	12,018	16,917	19,560	15,017	10,463	9,910	12,921	13,739	10,051	6,438
Water Year Types[b]												
Wet (32%)	7,598	9,013	20,895	31,287	33,659	26,160	14,739	10,475	12,818	14,747	10,625	7,587
Above Normal (15%)	7,897	6,492	10,043	18,031	26,205	16,799	9,987	10,990	14,275	15,121	11,560	6,627
Below Normal (17%)	7,261	5,904	8,665	9,971	12,938	8,965	8,606	8,960	12,610	13,156	10,057	5,877
Dry (22%)	7,449	6,165	7,396	7,137	8,680	8,167	7,857	10,032	13,189	13,202	9,637	5,607
Critical (15%)	6,957	5,267	5,603	7,441	6,414	6,429	7,751	8,530	11,752	11,659	7,915	5,659

Alternative 4 H1 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	**-546**	**-4,692**	795	5,330	590	**-7**	61	1,076	851	286	**-77**	**-7,201**
20%	48	**-3,816**	966	2,161	407	**-122**	1	783	1,401	144	**-169**	**-5,933**
30%	12	**-2,608**	439	1,433	3,025	1,801	433	1,159	1,432	67	**-582**	**-4,008**
40%	**-42**	**-1,636**	153	1,421	**-22**	657	148	1,425	1,307	**-2**	**-482**	**-2,214**
50%	**-94**	**-1,527**	490	183	94	321	362	979	1,060	**-182**	**-471**	**-402**
60%	**-463**	**-1,296**	448	373	267	166	266	507	973	**-205**	**-640**	306
70%	**-606**	**-884**	407	375	118	118	105	388	862	**-179**	**-772**	482
80%	**-413**	**-361**	**-22**	289	126	38	226	315	449	**-550**	**-821**	394
90%	19	190	**-45**	138	**-1**	214	**-26**	115	6	**-719**	**-125**	92
Long Term												
Full Simulation Period[a]	**-207**	**-1,547**	708	825	679	238	160	721	881	**-158**	**-413**	**-2,096**
Water Year Types[b]												
Wet (32%)	**-576**	**-1,751**	1,539	1,253	512	103	23	437	1,108	224	**-110**	**-5,724**
Above Normal (15%)	**-257**	**-2,576**	93	1,377	1,643	492	295	963	1,491	**-20**	**-215**	**-3,692**
Below Normal (17%)	**-509**	**-1,757**	529	935	1,530	562	389	1,101	964	**-102**	**-307**	**-85**
Dry (22%)	169	**-1,153**	387	**-60**	3	**-69**	235	1,031	752	**-623**	**-1,506**	697
Critical (15%)	428	**-423**	214	542	96	360	**-57**	189	**-127**	**-490**	251	822

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-16-18. Sacramento River at Bend Bridge, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	10,447	12,623	25,396	31,966	46,128	33,361	15,567	12,345	14,638	15,501	12,585	15,057
20%	9,416	11,068	16,427	24,980	33,376	19,691	12,466	10,776	13,774	15,189	11,756	13,374
30%	8,545	9,497	9,919	15,671	20,374	14,024	10,006	9,763	12,967	15,104	11,521	11,144
40%	8,045	8,208	8,534	12,137	13,251	10,021	8,923	8,942	12,195	14,986	11,052	8,921
50%	7,486	7,714	7,184	9,977	10,678	8,637	8,100	8,430	11,737	14,755	10,716	6,972
60%	7,095	6,993	6,339	7,698	8,560	7,803	7,760	8,125	11,322	14,285	10,323	5,906
70%	6,717	6,360	5,871	6,855	7,589	7,320	7,203	7,740	10,950	13,218	9,942	5,228
80%	6,118	5,545	5,485	6,069	6,445	6,689	6,877	7,342	10,374	12,271	9,478	4,762
90%	4,881	4,697	4,926	4,958	5,055	5,273	6,478	6,921	9,873	11,192	8,063	4,342
Long Term												
Full Simulation Period[a]	7,665	8,487	11,310	16,092	18,882	14,779	10,303	9,188	12,040	13,897	10,464	8,534
Water Year Types[b]												
Wet (32%)	8,174	10,764	19,356	30,034	33,147	26,057	14,716	10,039	11,710	14,523	10,735	13,311
Above Normal (15%)	8,154	9,069	9,950	16,655	24,563	16,307	9,691	10,026	12,784	15,141	11,775	10,318
Below Normal (17%)	7,771	7,661	8,136	9,035	11,408	8,403	8,217	7,859	11,646	13,257	10,364	5,962
Dry (22%)	7,279	7,318	7,009	7,196	8,678	8,236	7,621	9,001	12,438	13,826	11,143	4,910
Critical (15%)	6,528	5,690	5,389	6,899	6,318	6,070	7,808	8,341	11,878	12,149	7,665	4,837

Alternative 4 H2 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	10,336	9,625	28,048	37,948	46,715	33,345	15,564	12,649	14,648	15,310	13,742	8,595
20%	9,418	7,405	17,482	25,137	33,792	19,566	12,494	11,067	13,681	15,165	12,669	7,579
30%	8,421	6,973	11,416	17,339	23,407	14,956	9,887	10,100	12,933	15,038	11,916	7,280
40%	7,874	6,690	8,782	13,158	13,404	10,601	8,948	9,325	12,453	14,941	11,230	7,021
50%	7,486	6,059	7,051	10,124	10,773	8,800	8,407	8,590	11,950	14,754	10,604	6,715
60%	7,167	5,709	6,489	7,973	8,819	7,929	7,909	8,212	11,547	13,985	10,243	6,498
70%	6,500	5,430	5,470	7,239	7,601	7,365	7,312	7,965	11,113	12,494	9,746	6,123
80%	6,066	5,175	5,237	6,484	6,441	6,586	7,087	7,481	10,428	11,692	8,903	5,541
90%	4,774	4,381	4,883	5,811	5,053	5,353	6,387	7,101	9,676	10,956	7,898	4,687
Long Term												
Full Simulation Period[a]	7,668	7,003	11,938	16,878	19,504	14,949	10,372	9,514	12,097	13,728	10,681	6,837
Water Year Types[b]												
Wet (32%)	7,755	9,119	21,342	31,200	33,789	26,155	14,718	10,233	12,049	14,555	11,061	7,716
Above Normal (15%)	8,354	6,449	9,758	17,817	26,085	16,720	9,901	10,723	12,394	14,852	12,079	6,720
Below Normal (17%)	7,119	6,173	8,294	10,009	12,513	8,824	8,446	8,060	11,552	12,981	10,769	7,008
Dry (22%)	7,510	6,276	7,007	7,473	8,671	8,174	7,692	9,510	12,646	13,581	10,921	6,012
Critical (15%)	7,672	5,031	5,390	7,030	6,376	6,208	7,693	8,452	11,720	11,907	7,999	6,089

Alternative 4 H2 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-111	-2,997	2,652	5,982	587	-15	-4	304	10	-191	1,157	-6,462
20%	2	-3,664	1,055	157	416	-125	28	291	-94	-24	913	-5,795
30%	-123	-2,524	1,497	1,668	3,033	932	-120	338	-34	-66	395	-3,864
40%	-171	-1,518	248	1,021	152	581	25	383	258	-45	178	-1,900
50%	0	-1,656	-133	147	96	163	308	159	213	-1	-112	-257
60%	73	-1,284	149	275	258	127	149	87	225	-299	-81	592
70%	-217	-930	-401	383	12	45	109	225	163	-724	-196	895
80%	-52	-371	-249	414	-4	-103	211	139	54	-579	-575	779
90%	-106	-316	-43	853	-2	80	-91	180	-196	-236	-165	345
Long Term												
Full Simulation Period[a]	3	-1,484	628	786	622	170	69	326	57	-169	217	-1,697
Water Year Types[b]												
Wet (32%)	-419	-1,645	1,986	1,166	643	99	2	195	339	32	326	-5,595
Above Normal (15%)	200	-2,619	-192	1,162	1,522	413	209	696	-390	-289	304	-3,598
Below Normal (17%)	-651	-1,488	158	973	1,104	421	229	201	-94	-276	405	1,046
Dry (22%)	231	-1,042	-2	276	-7	-62	71	509	209	-245	-222	1,101
Critical (15%)	1,144	-659	1	131	58	138	-115	111	-159	-242	334	1,252

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-16-19. Sacramento River at Bend Bridge, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	10,447	12,623	25,396	31,966	46,128	33,361	15,567	12,345	14,638	15,501	12,585	15,057
20%	9,416	11,068	16,427	24,980	33,376	19,691	12,466	10,776	13,774	15,189	11,756	13,374
30%	8,545	9,497	9,919	15,671	20,374	14,024	10,006	9,763	12,967	15,104	11,521	11,144
40%	8,045	8,208	8,534	12,137	13,251	10,021	8,923	8,942	12,195	14,986	11,052	8,921
50%	7,486	7,714	7,184	9,977	10,678	8,637	8,100	8,430	11,737	14,755	10,716	6,972
60%	7,095	6,993	6,339	7,698	8,560	7,803	7,760	8,125	11,322	14,285	10,323	5,906
70%	6,717	6,360	5,871	6,855	7,589	7,320	7,203	7,740	10,950	13,218	9,942	5,228
80%	6,118	5,545	5,485	6,069	6,445	6,689	6,877	7,342	10,374	12,271	9,478	4,762
90%	4,881	4,697	4,926	4,958	5,055	5,273	6,478	6,921	9,873	11,192	8,063	4,342
Long Term												
Full Simulation Period[a]	7,665	8,487	11,310	16,092	18,882	14,779	10,303	9,188	12,040	13,897	10,464	8,534
Water Year Types[b]												
Wet (32%)	8,174	10,764	19,356	30,034	33,147	26,057	14,716	10,039	11,710	14,523	10,735	13,311
Above Normal (15%)	8,154	9,069	9,950	16,655	24,563	16,307	9,691	10,026	12,784	15,141	11,775	10,318
Below Normal (17%)	7,771	7,661	8,136	9,035	11,408	8,403	8,217	7,859	11,646	13,257	10,364	5,962
Dry (22%)	7,279	7,318	7,009	7,196	8,678	8,236	7,621	9,001	12,438	13,826	11,143	4,910
Critical (15%)	6,528	5,690	5,389	6,899	6,318	6,070	7,808	8,341	11,878	12,149	7,665	4,837

Alternative 4 H3 (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	9,850	11,026	25,129	32,795	46,728	33,369	15,627	13,395	15,344	15,489	12,542	15,213
20%	9,095	8,195	16,425	23,603	33,784	19,465	12,466	11,678	15,122	15,271	11,664	13,352
30%	8,428	7,573	9,619	16,283	21,407	14,024	10,579	10,990	14,155	15,063	10,974	11,706
40%	8,003	7,114	8,542	12,155	13,265	10,140	9,305	10,030	13,536	14,981	10,416	9,442
50%	7,399	6,673	7,232	9,971	10,678	8,795	8,402	9,269	12,718	14,401	10,238	7,523
60%	6,883	6,263	6,578	7,586	8,627	7,969	7,982	8,670	12,345	13,813	9,870	6,032
70%	6,404	5,748	5,897	6,670	7,585	7,294	7,374	8,238	11,867	12,711	9,156	5,172
80%	5,902	5,327	5,344	6,051	6,443	6,680	6,956	7,660	11,037	11,734	8,578	4,682
90%	4,898	4,972	4,880	5,088	4,987	5,479	6,531	7,115	9,856	10,611	7,767	4,327
Long Term												
Full Simulation Period[a]	7,469	7,455	11,350	16,111	19,102	14,811	10,421	9,868	12,875	13,629	9,962	8,694
Water Year Types[b]												
Wet (32%)	8,034	9,596	19,212	30,343	33,177	26,129	14,593	10,430	12,671	14,649	10,689	13,672
Above Normal (15%)	8,249	7,401	10,058	16,242	25,136	16,288	9,981	11,210	14,352	14,975	11,424	9,737
Below Normal (17%)	7,139	6,576	8,449	9,189	12,162	8,331	8,624	8,752	12,402	13,097	10,276	5,200
Dry (22%)	7,100	6,452	7,054	6,901	8,676	8,174	7,862	9,924	13,179	12,859	9,581	5,504
Critical (15%)	6,403	5,403	5,436	7,034	6,304	6,331	7,756	8,526	11,934	11,851	7,128	5,726

Alternative 4 H3 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	**-597**	**-1,597**	**-267**	830	600	8	60	1,050	706	**-12**	**-43**	156
20%	**-321**	**-2,873**	**-2**	**-1,378**	408	**-226**	**0**	902	1,348	83	**-92**	**-22**
30%	**-117**	**-1,925**	**-300**	612	1,033	**0**	573	1,227	1,188	**-40**	**-546**	562
40%	**-42**	**-1,093**	8	18	14	119	382	1,088	1,342	**-5**	**-636**	521
50%	**-87**	**-1,041**	48	**-6**	1	157	302	838	981	**-355**	**-478**	552
60%	**-212**	**-730**	239	**-112**	67	166	222	546	1,023	**-472**	**-453**	126
70%	**-314**	**-612**	26	**-185**	**-4**	**-26**	171	498	917	**-507**	**-786**	**-57**
80%	**-216**	**-218**	**-141**	**-18**	**-2**	**-9**	79	318	663	**-537**	**-900**	**-80**
90%	17	275	**-46**	131	**-68**	206	53	194	**-17**	**-581**	**-296**	**-15**
Long Term												
Full Simulation Period[a]	**-196**	**-1,032**	40	19	220	32	118	679	834	**-268**	**-502**	160
Water Year Types[b]												
Wet (32%)	**-140**	**-1,168**	**-144**	309	30	72	**-123**	391	961	126	**-46**	361
Above Normal (15%)	95	**-1,668**	107	**-413**	574	**-20**	290	1,184	1,568	**-166**	**-351**	**-581**
Below Normal (17%)	**-632**	**-1,085**	313	153	754	**-72**	406	893	756	**-160**	**-87**	**-762**
Dry (22%)	**-180**	**-867**	45	**-295**	**-2**	**-62**	241	923	742	**-967**	**-1,561**	594
Critical (15%)	**-126**	**-287**	47	135	**-13**	261	**-53**	185	56	**-298**	**-537**	889

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-16-20. Sacramento River at Bend Bridge, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	10,447	12,623	25,396	31,966	46,128	33,361	15,567	12,345	14,638	15,501	12,585	15,057
20%	9,416	11,068	16,427	24,980	33,376	19,691	12,466	10,776	13,774	15,189	11,756	13,374
30%	8,545	9,497	9,919	15,671	20,374	14,024	10,006	9,763	12,967	15,104	11,521	11,144
40%	8,045	8,208	8,534	12,137	13,251	10,021	8,923	8,942	12,195	14,986	11,052	8,921
50%	7,486	7,714	7,184	9,977	10,678	8,637	8,100	8,430	11,737	14,755	10,716	6,972
60%	7,095	6,993	6,339	7,698	8,560	7,803	7,760	8,125	11,322	14,285	10,323	5,906
70%	6,717	6,360	5,871	6,855	7,589	7,320	7,203	7,740	10,950	13,218	9,942	5,228
80%	6,118	5,545	5,485	6,069	6,445	6,689	6,877	7,342	10,374	12,271	9,478	4,762
90%	4,881	4,697	4,926	4,958	5,055	5,273	6,478	6,921	9,873	11,192	8,063	4,342
Long Term												
Full Simulation Period[a]	7,665	8,487	11,310	16,092	18,882	14,779	10,303	9,188	12,040	13,897	10,464	8,534
Water Year Types[b]												
Wet (32%)	8,174	10,764	19,356	30,034	33,147	26,057	14,716	10,039	11,710	14,523	10,735	13,311
Above Normal (15%)	8,154	9,069	9,950	16,655	24,563	16,307	9,691	10,026	12,784	15,141	11,775	10,318
Below Normal (17%)	7,771	7,661	8,136	9,035	11,408	8,403	8,217	7,859	11,646	13,257	10,364	5,962
Dry (22%)	7,279	7,318	7,009	7,196	8,678	8,236	7,621	9,001	12,438	13,826	11,143	4,910
Critical (15%)	6,528	5,690	5,389	6,899	6,318	6,070	7,808	8,341	11,878	12,149	7,665	4,837

Alternative 4 H4 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	10,804	11,641	25,536	32,041	46,710	33,368	15,628	12,632	14,729	15,321	14,065	15,435
20%	9,195	9,077	15,969	23,562	33,789	19,562	12,468	11,147	13,787	15,163	12,410	14,039
30%	8,361	7,657	10,019	15,779	21,040	14,024	9,477	9,840	12,816	15,011	11,628	11,924
40%	7,757	7,130	8,542	12,156	13,273	10,020	8,750	9,204	12,280	14,900	11,241	10,782
50%	7,423	6,694	7,043	9,519	10,725	8,637	8,402	8,605	11,698	14,535	10,581	8,388
60%	6,974	6,245	6,220	7,518	8,630	7,804	7,885	8,201	11,311	13,863	10,211	6,612
70%	6,473	5,701	5,575	6,530	7,585	7,292	7,197	7,740	10,989	12,937	9,704	5,686
80%	6,203	5,284	5,257	5,846	6,445	6,585	6,945	7,224	10,227	11,688	8,850	4,853
90%	4,771	4,369	4,887	4,975	5,056	5,358	6,386	7,036	9,641	10,847	8,056	4,317
Long Term												
Full Simulation Period[a]	7,668	7,555	11,312	15,923	19,084	14,756	10,277	9,414	12,010	13,731	10,706	9,171
Water Year Types[b]												
Wet (32%)	8,110	9,633	19,384	30,294	33,188	26,126	14,603	10,188	11,934	14,637	11,057	14,053
Above Normal (15%)	8,974	8,015	10,119	16,066	24,903	16,010	10,016	10,602	12,588	14,700	12,311	10,533
Below Normal (17%)	7,028	6,603	8,199	9,286	12,165	8,240	8,110	7,958	11,583	12,982	10,648	5,720
Dry (22%)	7,515	6,534	6,813	6,715	8,679	8,271	7,588	9,274	12,382	13,360	10,922	5,939
Critical (15%)	6,381	5,236	5,396	6,195	6,384	6,194	7,727	8,455	11,537	12,227	8,084	6,108

Alternative 4 H4 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	357	**-981**	140	75	582	7	61	287	90	**-180**	1,480	378
20%	**-221**	**-1,992**	**-457**	**-1,418**	413	**-128**	2	371	13	**-25**	654	665
30%	**-184**	**-1,840**	100	108	666	**0**	**-530**	77	**-150**	**-92**	108	780
40%	**-288**	**-1,078**	8	19	22	**0**	**-173**	262	85	**-86**	190	1,861
50%	**-63**	**-1,020**	**-141**	**-458**	48	**-1**	303	174	**-39**	**-220**	**-135**	1,416
60%	**-121**	**-747**	**-119**	**-180**	69	2	125	76	**-11**	**-422**	**-112**	706
70%	**-244**	**-659**	**-296**	**-325**	**-4**	**-29**	**-6**	0	38	**-282**	**-238**	458
80%	85	**-262**	**-228**	**-224**	0	**-104**	68	**-118**	**-147**	**-583**	**-629**	90
90%	**-109**	**-328**	**-39**	17	0	84	**-92**	116	**-232**	**-345**	**-7**	**-25**
Long Term												
Full Simulation Period[a]	3	**-932**	2	**-169**	202	**-23**	**-26**	225	**-31**	**-166**	242	637
Water Year Types[b]												
Wet (32%)	**-63**	**-1,131**	28	261	42	69	**-113**	149	224	114	322	743
Above Normal (15%)	820	**-1,054**	169	**-589**	340	**-298**	325	576	**-196**	**-441**	536	214
Below Normal (17%)	**-742**	**-1,058**	63	251	757	**-163**	**-107**	99	**-63**	**-275**	284	**-242**
Dry (22%)	235	**-785**	**-196**	**-481**	1	36	**-34**	273	**-56**	**-466**	**-221**	1,029
Critical (15%)	**-148**	**-453**	8	**-704**	66	124	**-82**	114	**-341**	78	419	1,271

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-16-21. Sacramento River at Bend Bridge, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	10,447	12,623	25,396	31,966	46,128	33,361	15,567	12,345	14,638	15,501	12,585	15,057
20%	9,416	11,068	16,427	24,980	33,376	19,691	12,466	10,776	13,774	15,189	11,756	13,374
30%	8,545	9,497	9,919	15,671	20,374	14,024	10,006	9,763	12,967	15,104	11,521	11,144
40%	8,045	8,208	8,534	12,137	13,251	10,021	8,923	8,942	12,195	14,986	11,052	8,921
50%	7,486	7,714	7,184	9,977	10,678	8,637	8,100	8,430	11,737	14,755	10,716	6,972
60%	7,095	6,993	6,339	7,698	8,560	7,803	7,760	8,125	11,322	14,285	10,323	5,906
70%	6,717	6,360	5,871	6,855	7,589	7,320	7,203	7,740	10,950	13,218	9,942	5,228
80%	6,118	5,545	5,485	6,069	6,445	6,689	6,877	7,342	10,374	12,271	9,478	4,762
90%	4,881	4,697	4,926	4,958	5,055	5,273	6,478	6,921	9,873	11,192	8,063	4,342
Long Term												
Full Simulation Period[a]	7,665	8,487	11,310	16,092	18,882	14,779	10,303	9,188	12,040	13,897	10,464	8,534
Water Year Types[b]												
Wet (32%)	8,174	10,764	19,356	30,034	33,147	26,057	14,716	10,039	11,710	14,523	10,735	13,311
Above Normal (15%)	8,154	9,069	9,950	16,655	24,563	16,307	9,691	10,026	12,784	15,141	11,775	10,318
Below Normal (17%)	7,771	7,661	8,136	9,035	11,408	8,403	8,217	7,859	11,646	13,257	10,364	5,962
Dry (22%)	7,279	7,318	7,009	7,196	8,678	8,236	7,621	9,001	12,438	13,826	11,143	4,910
Critical (15%)	6,528	5,690	5,389	6,899	6,318	6,070	7,808	8,341	11,878	12,149	7,665	4,837

Alternative 5 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	11,904	10,846	24,928	32,349	46,704	33,361	15,629	12,635	14,973	15,505	12,583	15,425
20%	9,900	8,275	15,617	23,743	33,443	19,464	12,466	11,276	14,377	15,276	11,810	14,334
30%	8,593	7,634	10,914	16,304	20,335	14,024	10,412	10,210	13,578	15,177	11,285	11,808
40%	8,123	7,213	8,805	12,007	13,272	10,018	9,273	9,665	12,903	15,079	10,782	9,932
50%	7,609	6,972	7,204	9,971	10,682	8,637	8,399	9,239	12,591	14,933	10,172	7,266
60%	6,950	6,394	6,576	7,773	8,638	7,930	7,942	8,672	12,027	14,215	9,721	5,669
70%	6,535	6,117	5,951	6,669	7,586	7,291	7,341	8,023	11,223	13,149	9,218	5,002
80%	5,931	5,300	5,482	6,037	6,464	6,685	6,930	7,500	10,869	11,918	8,590	4,620
90%	4,763	4,917	5,040	4,973	5,055	5,368	6,484	6,999	9,719	10,630	8,137	4,175
Long Term												
Full Simulation Period[a]	7,894	7,615	11,182	16,074	18,887	14,765	10,413	9,623	12,495	13,848	10,130	8,767
Water Year Types[b]												
Wet (32%)	8,144	9,872	18,886	30,378	33,167	26,116	14,620	10,230	12,375	14,525	11,207	14,092
Above Normal (15%)	8,741	7,561	9,881	16,014	24,570	16,262	9,965	10,909	13,229	15,209	11,450	10,327
Below Normal (17%)	8,651	6,461	7,788	9,478	11,291	8,322	8,527	8,258	12,415	13,493	10,119	5,124
Dry (22%)	7,227	6,802	7,379	6,826	8,761	8,035	7,718	9,812	12,999	13,639	9,540	4,849
Critical (15%)	6,622	5,342	5,454	6,712	6,318	6,288	7,987	8,329	11,358	11,747	7,372	5,796

Alternative 5 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,456	-1,776	-468	384	576	1	61	290	335	4	-2	368
20%	484	-2,793	-810	-1,238	67	-226	0	500	603	87	54	960
30%	48	-1,863	995	633	-39	0	406	448	611	74	-236	665
40%	78	-994	270	-130	21	-2	350	723	708	93	-270	1,011
50%	123	-743	20	-6	4	0	299	808	854	178	-544	294
60%	-145	-598	237	75	78	127	182	547	705	-70	-602	-237
70%	-182	-243	80	-186	-3	-30	138	283	273	-69	-723	-226
80%	-186	-246	-3	-32	20	-4	53	158	495	-354	-888	-142
90%	-118	220	114	15	0	95	7	78	-154	-562	74	-167
Long Term												
Full Simulation Period[a]	229	-873	-128	-18	5	-14	110	435	455	-49	-334	233
Water Year Types[b]												
Wet (32%)	-29	-892	-470	344	20	60	-96	192	665	2	472	781
Above Normal (15%)	587	-1,508	-69	-641	7	-46	274	883	445	68	-325	9
Below Normal (17%)	881	-1,201	-348	443	-117	-81	309	400	769	236	-244	-838
Dry (22%)	-52	-516	370	-370	83	-200	97	811	562	-187	-1,603	-62
Critical (15%)	93	-347	65	-186	0	218	179	-12	-520	-402	-293	959

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-16-22. Sacramento River at Bend Bridge, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	10,447	12,623	25,396	31,966	46,128	33,361	15,567	12,345	14,638	15,501	12,585	15,057
20%	9,416	11,068	16,427	24,980	33,376	19,691	12,466	10,776	13,774	15,189	11,756	13,374
30%	8,545	9,497	9,919	15,671	20,374	14,024	10,006	9,763	12,967	15,104	11,521	11,144
40%	8,045	8,208	8,534	12,137	13,251	10,021	8,923	8,942	12,195	14,986	11,052	8,921
50%	7,486	7,714	7,184	9,977	10,678	8,637	8,100	8,430	11,737	14,755	10,716	6,972
60%	7,095	6,993	6,339	7,698	8,560	7,803	7,760	8,125	11,322	14,285	10,323	5,906
70%	6,717	6,360	5,871	6,855	7,589	7,320	7,203	7,740	10,950	13,218	9,942	5,228
80%	6,118	5,545	5,485	6,069	6,445	6,689	6,877	7,342	10,374	12,271	9,478	4,762
90%	4,881	4,697	4,926	4,958	5,055	5,273	6,478	6,921	9,873	11,192	8,063	4,342
Long Term												
Full Simulation Period[a]	7,665	8,487	11,310	16,092	18,882	14,779	10,303	9,188	12,040	13,897	10,464	8,534
Water Year Types[b]												
Wet (32%)	8,174	10,764	19,356	30,034	33,147	26,057	14,716	10,039	11,710	14,523	10,735	13,311
Above Normal (15%)	8,154	9,069	9,950	16,655	24,563	16,307	9,691	10,026	12,784	15,141	11,775	10,318
Below Normal (17%)	7,771	7,661	8,136	9,035	11,408	8,403	8,217	7,859	11,646	13,257	10,364	5,962
Dry (22%)	7,279	7,318	7,009	7,196	8,678	8,236	7,621	9,001	12,438	13,826	11,143	4,910
Critical (15%)	6,528	5,690	5,389	6,899	6,318	6,070	7,808	8,341	11,878	12,149	7,665	4,837

Alternative 6A,6B,6C (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,171	10,405	25,054	38,082	46,569	33,336	15,567	12,737	14,479	15,376	12,868	13,335
20%	8,607	8,158	16,779	25,929	33,781	19,690	12,764	11,329	13,939	15,231	12,115	10,882
30%	8,181	7,926	11,238	17,750	23,426	14,022	9,908	10,637	12,725	15,121	11,145	9,620
40%	7,946	7,647	8,545	11,820	13,259	10,605	8,429	9,423	12,282	15,011	10,741	8,311
50%	7,563	7,268	7,045	9,518	10,691	8,795	8,087	8,693	11,828	14,798	10,227	6,755
60%	7,279	6,971	6,223	7,514	8,925	7,968	7,481	8,376	11,243	14,519	9,924	5,720
70%	6,991	6,549	5,510	6,503	7,745	7,280	7,133	7,764	11,002	13,921	9,532	4,956
80%	6,450	6,052	5,213	5,847	6,466	6,590	6,888	7,216	10,470	13,315	8,826	4,501
90%	5,084	5,675	4,868	4,940	5,052	4,939	6,275	6,721	9,623	11,114	8,090	4,322
Long Term												
Full Simulation Period[a]	7,398	7,915	11,524	16,506	19,394	14,798	10,241	9,461	12,044	14,122	10,206	7,786
Water Year Types[b]												
Wet (32%)	7,921	9,848	20,314	31,347	33,367	26,157	14,693	10,557	12,058	14,974	11,544	11,844
Above Normal (15%)	7,402	7,911	10,114	17,590	25,692	16,494	10,003	10,577	12,762	14,683	10,673	8,656
Below Normal (17%)	7,479	6,971	7,761	9,152	12,624	8,230	8,027	7,849	11,464	13,317	9,695	5,171
Dry (22%)	7,482	7,199	6,785	6,998	8,706	8,286	7,573	9,072	12,171	14,110	10,052	5,044
Critical (15%)	6,041	5,911	5,389	6,108	6,749	5,925	7,421	8,436	11,782	12,672	7,671	5,288

Alternative 6A,6B,6C (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-1,277	-2,218	-342	6,117	441	-24	-1	392	-159	-125	283	-1,722
20%	-809	-2,910	352	949	405	0	298	553	165	42	359	-2,492
30%	-364	-1,571	1,319	2,079	3,052	-2	-99	875	-241	17	-376	-1,523
40%	-99	-560	11	-317	8	584	-494	481	87	25	-311	-610
50%	76	-447	-139	-460	13	158	-12	263	91	42	-490	-217
60%	184	-22	-116	-184	365	166	-280	252	-79	235	-400	-186
70%	274	189	-360	-353	155	-41	-70	24	52	703	-410	-272
80%	332	507	-272	-222	21	-99	12	-126	96	1,044	-652	-261
90%	203	978	-58	-18	-3	-334	-202	-200	-249	-78	27	-20
Long Term												
Full Simulation Period[a]	-267	-572	215	414	512	19	-62	273	4	225	-258	-748
Water Year Types[b]												
Wet (32%)	-252	-917	958	1,313	221	100	-23	518	349	451	809	-1,467
Above Normal (15%)	-752	-1,158	164	935	1,129	187	312	551	-21	-458	-1,102	-1,663
Below Normal (17%)	-291	-690	-375	117	1,215	-173	-190	-9	-182	60	-669	-791
Dry (22%)	203	-119	-224	-198	28	50	-49	71	-267	285	-1,091	134
Critical (15%)	-487	221	0	-791	431	-145	-387	95	-96	523	6	451

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-16-23. Sacramento River at Bend Bridge, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	10,447	12,623	25,396	31,966	46,128	33,361	15,567	12,345	14,638	15,501	12,585	15,057
20%	9,416	11,068	16,427	24,980	33,376	19,691	12,466	10,776	13,774	15,189	11,756	13,374
30%	8,545	9,497	9,919	15,671	20,374	14,024	10,006	9,763	12,967	15,104	11,521	11,144
40%	8,045	8,208	8,534	12,137	13,251	10,021	8,923	8,942	12,195	14,986	11,052	8,921
50%	7,486	7,714	7,184	9,977	10,678	8,637	8,100	8,430	11,737	14,755	10,716	6,972
60%	7,095	6,993	6,339	7,698	8,560	7,803	7,760	8,125	11,322	14,285	10,323	5,906
70%	6,717	6,360	5,871	6,855	7,589	7,320	7,203	7,740	10,950	13,218	9,942	5,228
80%	6,118	5,545	5,485	6,069	6,445	6,689	6,877	7,342	10,374	12,271	9,478	4,762
90%	4,881	4,697	4,926	4,958	5,055	5,273	6,478	6,921	9,873	11,192	8,063	4,342
Long Term												
Full Simulation Period[a]	7,665	8,487	11,310	16,092	18,882	14,779	10,303	9,188	12,040	13,897	10,464	8,534
Water Year Types[b]												
Wet (32%)	8,174	10,764	19,356	30,034	33,147	26,057	14,716	10,039	11,710	14,523	10,735	13,311
Above Normal (15%)	8,154	9,069	9,950	16,655	24,563	16,307	9,691	10,026	12,784	15,141	11,775	10,318
Below Normal (17%)	7,771	7,661	8,136	9,035	11,408	8,403	8,217	7,859	11,646	13,257	10,364	5,962
Dry (22%)	7,279	7,318	7,009	7,196	8,678	8,236	7,621	9,001	12,438	13,826	11,143	4,910
Critical (15%)	6,528	5,690	5,389	6,899	6,318	6,070	7,808	8,341	11,878	12,149	7,665	4,837

Alternative 7 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,508	10,731	25,049	35,913	46,713	33,341	15,629	12,415	15,047	15,958	12,587	15,337
20%	8,891	8,480	16,320	25,384	33,781	19,464	12,764	11,020	14,124	15,371	11,788	12,711
30%	8,246	7,866	9,915	16,296	22,799	14,021	9,652	10,092	13,692	15,165	11,317	11,510
40%	7,979	7,360	8,544	11,942	13,261	10,470	8,409	9,236	12,808	15,041	10,998	8,838
50%	7,585	7,108	7,043	9,519	10,755	8,795	8,024	8,688	12,382	14,805	10,528	6,523
60%	7,349	6,789	6,123	7,514	8,905	7,968	7,378	8,306	11,684	14,455	10,265	5,221
70%	7,055	6,458	5,516	6,529	7,747	7,279	7,101	7,770	11,154	14,157	9,802	4,894
80%	6,656	6,201	5,226	5,847	6,465	6,588	6,886	7,171	10,439	12,900	9,298	4,496
90%	5,237	5,489	4,870	4,938	5,053	4,926	6,178	6,766	9,436	11,774	7,795	4,362
Long Term												
Full Simulation Period[a]	7,640	7,814	11,157	16,174	19,330	14,762	10,172	9,384	12,369	14,217	10,281	8,405
Water Year Types[b]												
Wet (32%)	8,089	9,774	19,431	30,790	33,122	26,128	14,674	10,282	12,644	14,695	10,637	13,649
Above Normal (15%)	8,276	7,831	9,435	16,880	25,683	16,352	9,986	10,745	13,348	15,496	11,199	9,555
Below Normal (17%)	7,276	6,886	7,825	9,228	12,670	8,229	7,895	7,819	11,636	13,866	10,564	4,874
Dry (22%)	7,684	7,012	6,789	6,694	8,647	8,254	7,396	8,774	12,157	14,389	10,753	5,230
Critical (15%)	6,390	5,837	5,394	6,128	6,888	5,929	7,423	8,816	11,969	12,055	7,555	4,775

Alternative 7 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-939	-1,891	-347	3,947	585	-20	62	70	409	457	2	280
20%	-525	-2,588	-106	403	405	-227	298	244	350	182	32	-663
30%	-299	-1,632	-4	624	2,425	-3	-354	330	726	61	-203	367
40%	-66	-847	10	-194	10	449	-514	294	614	55	-54	-83
50%	99	-607	-141	-458	77	158	-75	258	645	50	-188	-449
60%	254	-204	-216	-184	344	165	-382	182	362	170	-58	-685
70%	338	98	-355	-327	157	-41	-102	31	203	938	-139	-335
80%	539	656	-259	-223	20	-101	9	-171	65	629	-180	-267
90%	356	791	-56	-19	-2	-347	-299	-155	-437	582	-268	19
Long Term												
Full Simulation Period[a]	-25	-673	-152	82	448	-17	-131	195	329	320	-183	-129
Water Year Types[b]												
Wet (32%)	-84	-990	75	756	-25	71	-42	243	934	172	-98	338
Above Normal (15%)	122	-1,237	-515	225	1,121	45	294	719	564	355	-576	-763
Below Normal (17%)	-495	-775	-311	192	1,262	-174	-323	-40	-10	608	200	-1,088
Dry (22%)	404	-307	-220	-503	-31	19	-225	-227	-280	563	-389	320
Critical (15%)	-139	147	5	-771	570	-141	-385	475	91	-94	-110	-62

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-16-24. Sacramento River at Bend Bridge, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	10,447	12,623	25,396	31,966	46,128	33,361	15,567	12,345	14,638	15,501	12,585	15,057
20%	9,416	11,068	16,427	24,980	33,376	19,691	12,466	10,776	13,774	15,189	11,756	13,374
30%	8,545	9,497	9,919	15,671	20,374	14,024	10,006	9,763	12,967	15,104	11,521	11,144
40%	8,045	8,208	8,534	12,137	13,251	10,021	8,923	8,942	12,195	14,986	11,052	8,921
50%	7,486	7,714	7,184	9,977	10,678	8,637	8,100	8,430	11,737	14,755	10,716	6,972
60%	7,095	6,993	6,339	7,698	8,560	7,803	7,760	8,125	11,322	14,285	10,323	5,906
70%	6,717	6,360	5,871	6,855	7,589	7,320	7,203	7,740	10,950	13,218	9,942	5,228
80%	6,118	5,545	5,485	6,069	6,445	6,689	6,877	7,342	10,374	12,271	9,478	4,762
90%	4,881	4,697	4,926	4,958	5,055	5,273	6,478	6,921	9,873	11,192	8,063	4,342
Long Term												
Full Simulation Period[a]	7,665	8,487	11,310	16,092	18,882	14,779	10,303	9,188	12,040	13,897	10,464	8,534
Water Year Types[b]												
Wet (32%)	8,174	10,764	19,356	30,034	33,147	26,057	14,716	10,039	11,710	14,523	10,735	13,311
Above Normal (15%)	8,154	9,069	9,950	16,655	24,563	16,307	9,691	10,026	12,784	15,141	11,775	10,318
Below Normal (17%)	7,771	7,661	8,136	9,035	11,408	8,403	8,217	7,859	11,646	13,257	10,364	5,962
Dry (22%)	7,279	7,318	7,009	7,196	8,678	8,236	7,621	9,001	12,438	13,826	11,143	4,910
Critical (15%)	6,528	5,690	5,389	6,899	6,318	6,070	7,808	8,341	11,878	12,149	7,665	4,837

Alternative 8 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,244	10,326	25,014	37,856	46,684	33,337	16,517	14,936	15,407	15,235	11,612	12,695
20%	7,587	7,974	16,896	25,352	33,789	19,602	14,141	12,647	14,576	14,780	11,145	11,954
30%	6,849	7,367	10,014	17,867	19,788	14,386	12,260	11,743	14,217	14,214	10,427	10,665
40%	6,336	7,065	8,540	12,647	13,413	12,480	11,253	10,568	13,470	13,674	9,929	7,796
50%	5,939	6,644	7,041	10,122	11,063	9,982	10,662	9,352	12,670	13,227	9,780	5,575
60%	5,640	6,202	6,187	7,511	9,389	8,650	8,744	8,703	11,852	12,766	9,388	4,778
70%	5,305	5,878	5,518	6,494	8,068	7,739	8,327	8,218	11,151	12,141	9,000	4,559
80%	4,902	5,618	5,221	5,839	7,333	6,824	7,421	7,873	10,657	11,358	8,634	4,166
90%	4,534	5,316	5,037	4,949	5,261	5,484	6,586	7,161	9,820	10,273	8,008	3,994
Long Term												
Full Simulation Period[a]	6,489	7,470	11,405	16,697	19,401	15,372	11,592	10,401	12,647	12,936	9,610	7,591
Water Year Types[b]												
Wet (32%)	7,051	9,547	20,127	31,684	33,526	26,181	15,170	11,471	13,425	13,954	10,324	12,274
Above Normal (15%)	7,254	7,492	9,073	17,469	24,863	16,567	11,595	12,561	13,961	13,565	9,685	8,557
Below Normal (17%)	5,938	6,495	8,155	10,133	11,970	9,072	11,193	9,835	11,666	11,567	8,741	4,408
Dry (22%)	6,500	6,575	6,783	6,693	9,433	9,891	9,416	8,967	11,360	12,899	10,438	4,449
Critical (15%)	5,134	5,430	5,561	6,121	6,954	6,331	7,562	8,734	12,724	11,757	7,762	4,902

Alternative 8 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-1,203	-2,296	-382	5,890	556	-24	950	2,591	769	-265	-973	-2,362
20%	-1,829	-3,094	469	371	413	-88	1,675	1,871	801	-408	-611	-1,420
30%	-1,696	-2,130	94	2,196	-586	362	2,254	1,980	1,250	-890	-1,094	-479
40%	-1,709	-1,143	6	510	161	2,459	2,331	1,626	1,276	-1,312	-1,123	-1,125
50%	-1,548	-1,070	-142	145	385	1,345	2,562	921	933	-1,528	-936	-1,397
60%	-1,455	-791	-153	-187	829	848	984	578	530	-1,519	-935	-1,128
70%	-1,412	-482	-353	-361	479	418	1,124	478	201	-1,077	-941	-670
80%	-1,216	73	-265	-231	889	135	544	531	283	-913	-844	-596
90%	-347	619	111	-9	206	211	109	240	-53	-919	-55	-348
Long Term												
Full Simulation Period[a]	-1,175	-1,017	95	605	519	593	1,288	1,213	607	-961	-854	-943
Water Year Types[b]												
Wet (32%)	-1,122	-1,217	771	1,650	380	124	454	1,433	1,715	-570	-411	-1,037
Above Normal (15%)	-900	-1,577	-877	814	300	259	1,903	2,535	1,177	-1,576	-2,090	-1,761
Below Normal (17%)	-1,833	-1,166	19	1,098	561	668	2,976	1,977	20	-1,690	-1,623	-1,554
Dry (22%)	-779	-744	-225	-504	755	1,655	1,794	-34	-1,078	-927	-705	-461
Critical (15%)	-1,394	-260	172	-777	636	261	-246	393	846	-392	97	65

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-16-25. Sacramento River at Bend Bridge, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	10,447	12,623	25,396	31,966	46,128	33,361	15,567	12,345	14,638	15,501	12,585	15,057
20%	9,416	11,068	16,427	24,980	33,376	19,691	12,466	10,776	13,774	15,189	11,756	13,374
30%	8,545	9,497	9,919	15,671	20,374	14,024	10,006	9,763	12,967	15,104	11,521	11,144
40%	8,045	8,208	8,534	12,137	13,251	10,021	8,923	8,942	12,195	14,986	11,052	8,921
50%	7,486	7,714	7,184	9,977	10,678	8,637	8,100	8,430	11,737	14,755	10,716	6,972
60%	7,095	6,993	6,339	7,698	8,560	7,803	7,760	8,125	11,322	14,285	10,323	5,906
70%	6,717	6,360	5,871	6,855	7,589	7,320	7,203	7,740	10,950	13,218	9,942	5,228
80%	6,118	5,545	5,485	6,069	6,445	6,689	6,877	7,342	10,374	12,271	9,478	4,762
90%	4,881	4,697	4,926	4,958	5,055	5,273	6,478	6,921	9,873	11,192	8,063	4,342
Long Term												
Full Simulation Period[a]	7,665	8,487	11,310	16,092	18,882	14,779	10,303	9,188	12,040	13,897	10,464	8,534
Water Year Types[b]												
Wet (32%)	8,174	10,764	19,356	30,034	33,147	26,057	14,716	10,039	11,710	14,523	10,735	13,311
Above Normal (15%)	8,154	9,069	9,950	16,655	24,563	16,307	9,691	10,026	12,784	15,141	11,775	10,318
Below Normal (17%)	7,771	7,661	8,136	9,035	11,408	8,403	8,217	7,859	11,646	13,257	10,364	5,962
Dry (22%)	7,279	7,318	7,009	7,196	8,678	8,236	7,621	9,001	12,438	13,826	11,143	4,910
Critical (15%)	6,528	5,690	5,389	6,899	6,318	6,070	7,808	8,341	11,878	12,149	7,665	4,837

Alternative 9 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,561	12,714	25,682	35,973	47,644	33,376	15,573	13,106	14,982	15,385	12,554	15,267
20%	8,719	11,015	16,334	25,721	33,556	19,563	12,647	11,578	14,231	15,190	11,344	14,213
30%	8,049	9,885	9,619	15,639	21,635	14,021	10,583	10,606	12,762	15,004	11,023	12,045
40%	7,392	8,251	8,529	11,818	13,270	10,135	9,281	9,726	12,219	14,771	10,707	9,573
50%	7,000	7,385	7,178	9,525	10,704	8,841	8,411	9,127	11,704	14,203	10,402	6,747
60%	6,732	6,838	6,359	7,520	8,517	7,899	7,753	8,606	11,200	13,431	10,086	6,014
70%	6,402	6,353	5,871	6,531	7,586	7,141	7,257	7,979	10,770	12,870	9,783	5,230
80%	5,532	5,872	5,523	5,852	6,444	6,588	6,922	7,664	10,149	12,169	8,919	4,622
90%	4,953	5,151	5,111	4,939	5,011	5,244	6,181	6,916	9,712	11,126	8,188	4,138
Long Term												
Full Simulation Period[a]	7,226	8,626	11,295	16,014	19,041	14,727	10,415	9,731	12,032	13,622	10,208	8,791
Water Year Types[b]												
Wet (32%)	8,082	10,687	19,130	30,367	33,287	26,057	14,576	10,042	11,704	14,407	10,472	14,119
Above Normal (15%)	7,312	9,163	9,812	16,763	24,661	15,972	9,937	10,071	13,008	14,891	10,994	10,307
Below Normal (17%)	6,776	8,249	8,277	9,180	12,099	8,234	8,243	8,640	11,443	12,876	10,059	6,099
Dry (22%)	7,165	7,185	6,967	6,692	8,597	8,346	8,121	10,662	12,595	13,434	10,686	4,807
Critical (15%)	5,899	6,224	5,816	6,125	6,316	6,079	7,852	8,595	11,609	11,801	8,303	4,847

Alternative 9 (LLT) minus No Action Alternative (LLT)

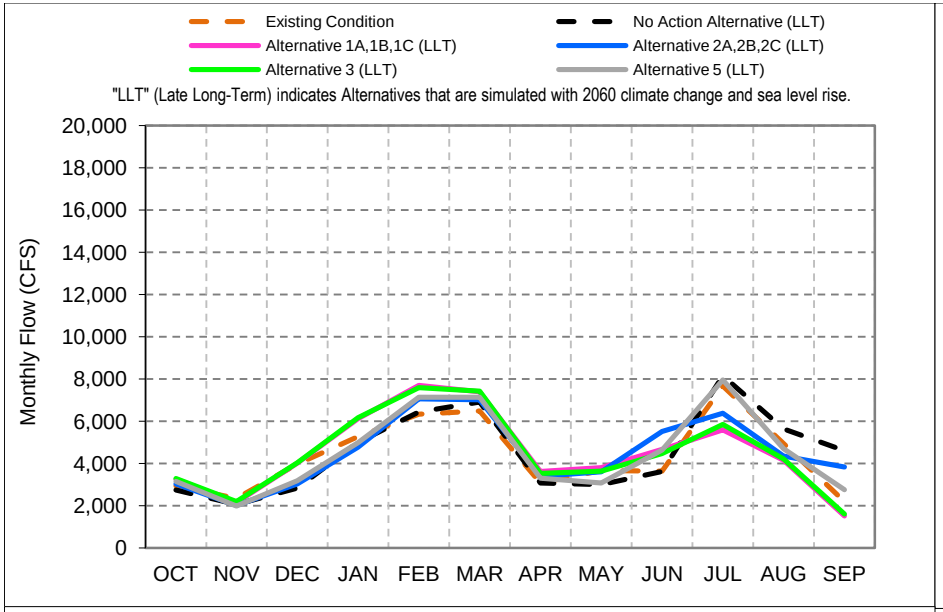
	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	**-887**	92	286	4,007	1,516	16	6	761	344	**-116**	**-31**	210
20%	**-697**	**-53**	**-92**	740	180	**-128**	180	802	457	1	**-412**	840
30%	**-496**	388	**-300**	**-32**	1,261	**-3**	576	844	**-205**	**-100**	**-498**	901
40%	**-653**	43	**-5**	**-319**	19	114	358	784	25	**-214**	**-345**	652
50%	**-486**	**-329**	**-6**	**-452**	27	204	311	697	**-33**	**-552**	**-314**	**-224**
60%	**-362**	**-155**	20	**-178**	**-44**	96	**-8**	481	**-122**	**-854**	**-238**	108
70%	**-316**	**-7**	**0**	**-325**	**-3**	**-179**	54	239	**-180**	**-349**	**-159**	2
80%	**-586**	327	38	**-217**	**0**	**-101**	45	322	**-225**	**-103**	**-559**	**-140**
90%	73	453	185	**-19**	**-45**	**-29**	**-296**	**-5**	**-161**	**-66**	126	**-204**
Long Term												
Full Simulation Period[a]	**-439**	139	**-14**	**-78**	159	**-52**	112	543	**-8**	**-275**	**-256**	257
Water Year Types[b]												
Wet (32%)	**-92**	**-77**	**-226**	333	140	1	**-140**	4	**-5**	**-116**	**-263**	808
Above Normal (15%)	**-841**	95	**-138**	109	99	**-336**	245	45	224	**-250**	**-781**	**-11**
Below Normal (17%)	**-994**	587	141	144	691	**-169**	25	781	**-203**	**-381**	**-305**	137
Dry (22%)	**-115**	**-134**	**-41**	**-505**	**-80**	110	500	1,661	157	**-391**	**-457**	**-104**
Critical (15%)	**-629**	534	427	**-774**	**-2**	9	43	254	**-269**	**-348**	639	10

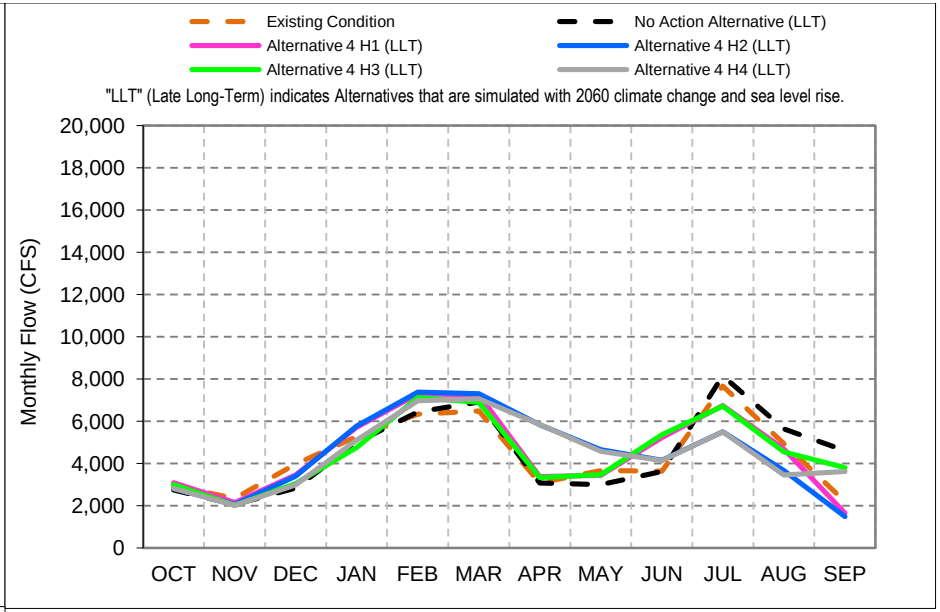
Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

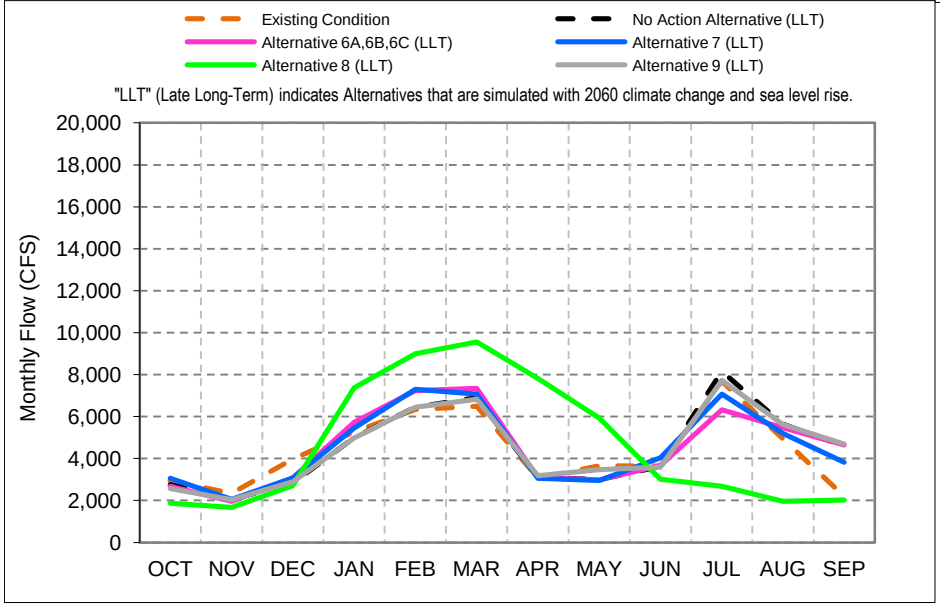
a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

C.17. Feather River Flow downstream of Thermalito



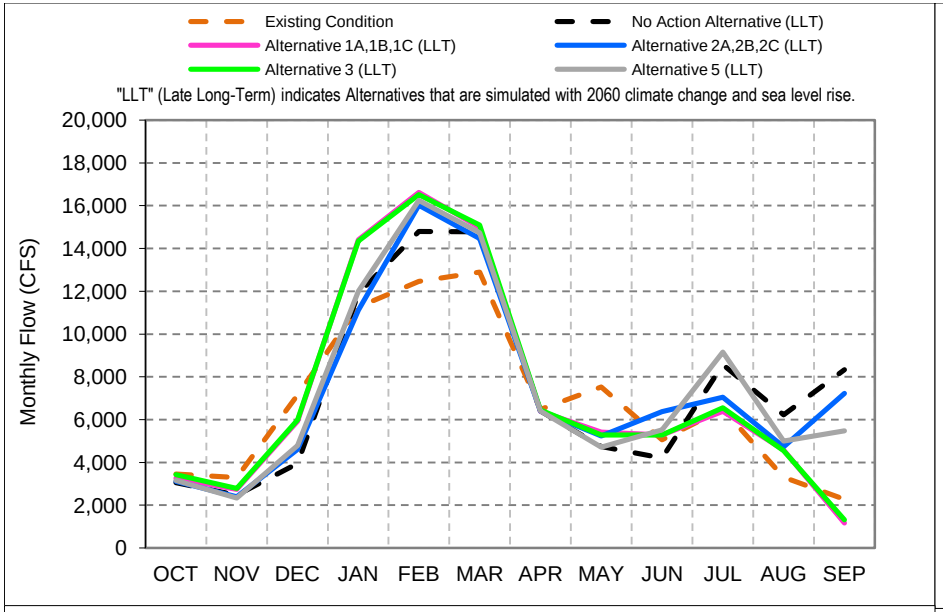


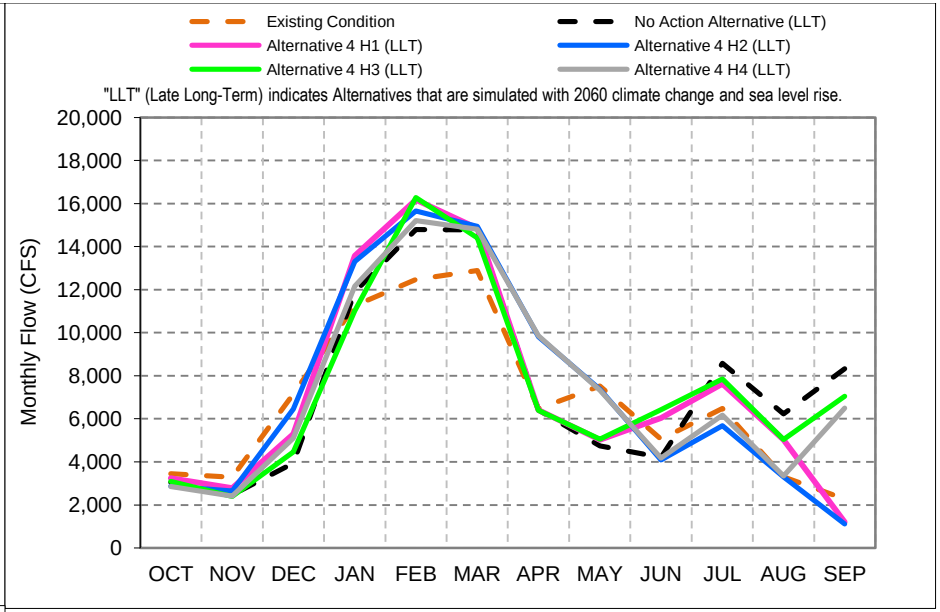


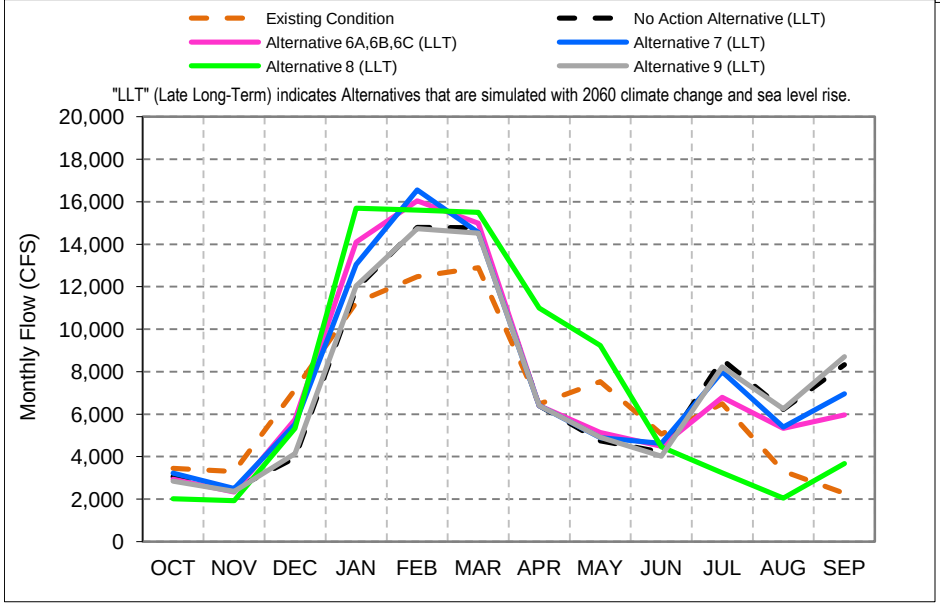
Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-17-1. Feather River d/s of Thermalito, Long-Term Average Flow





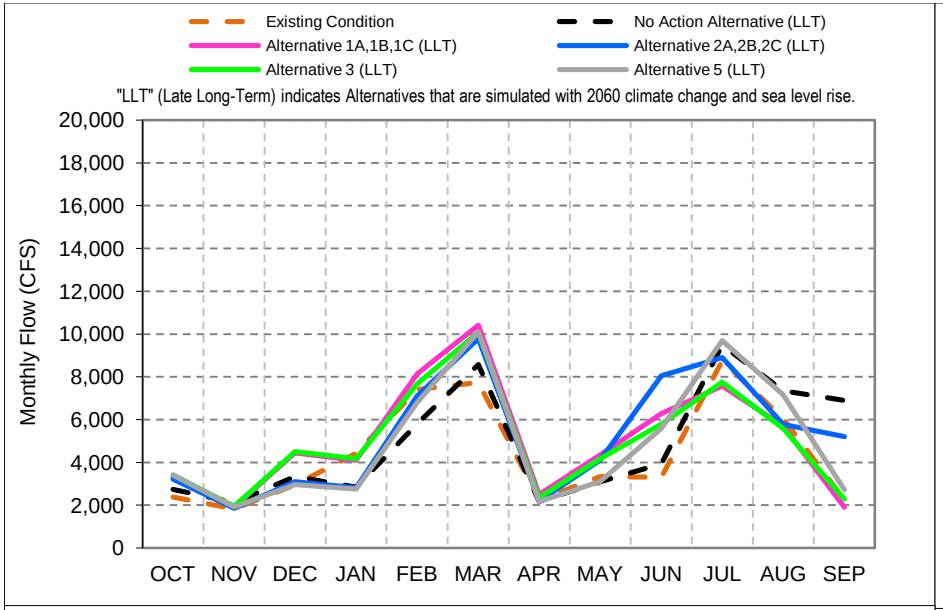


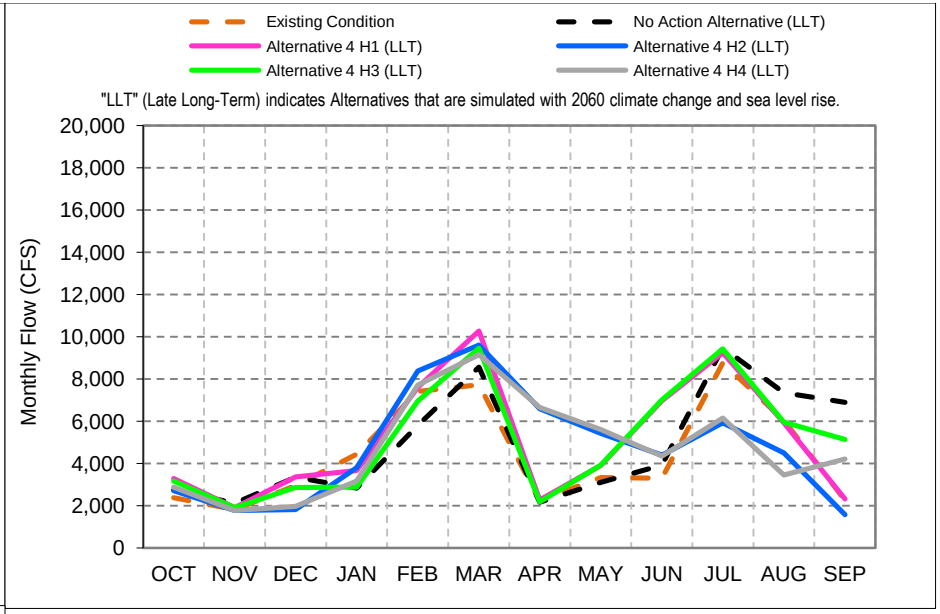
Alternative 4 Scenario Definitions:

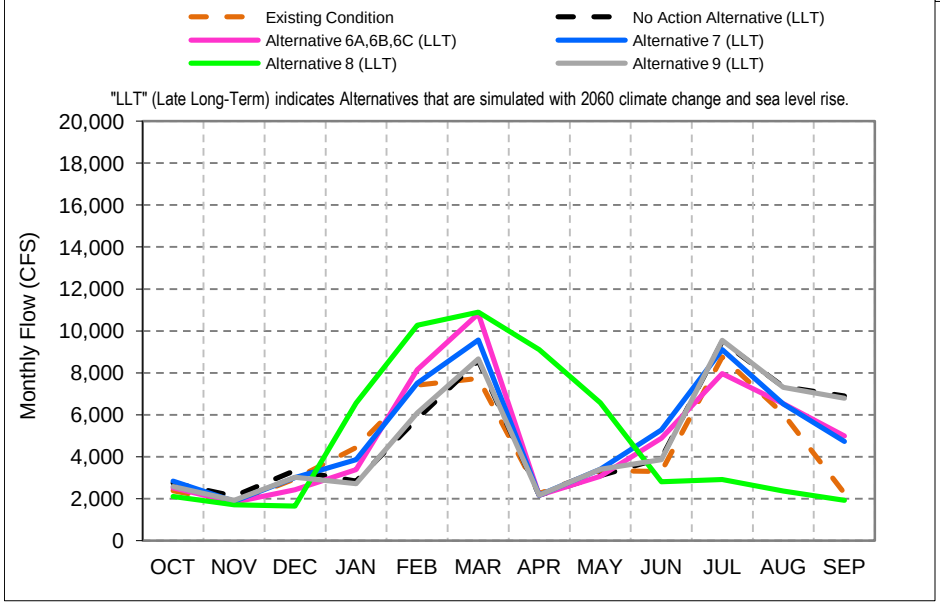
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-17-2. Feather River d/s of Thermalito, Wet Year* Average Flow





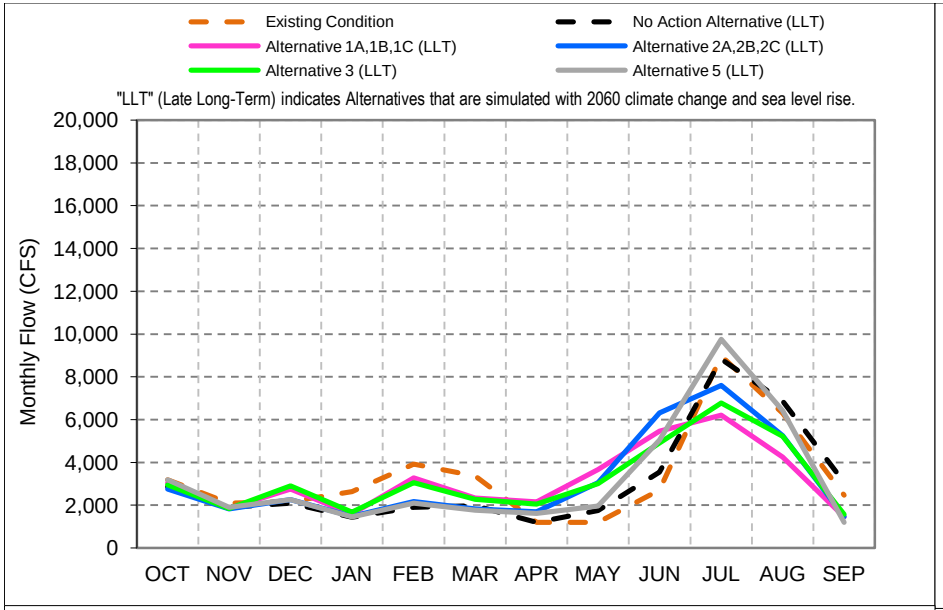


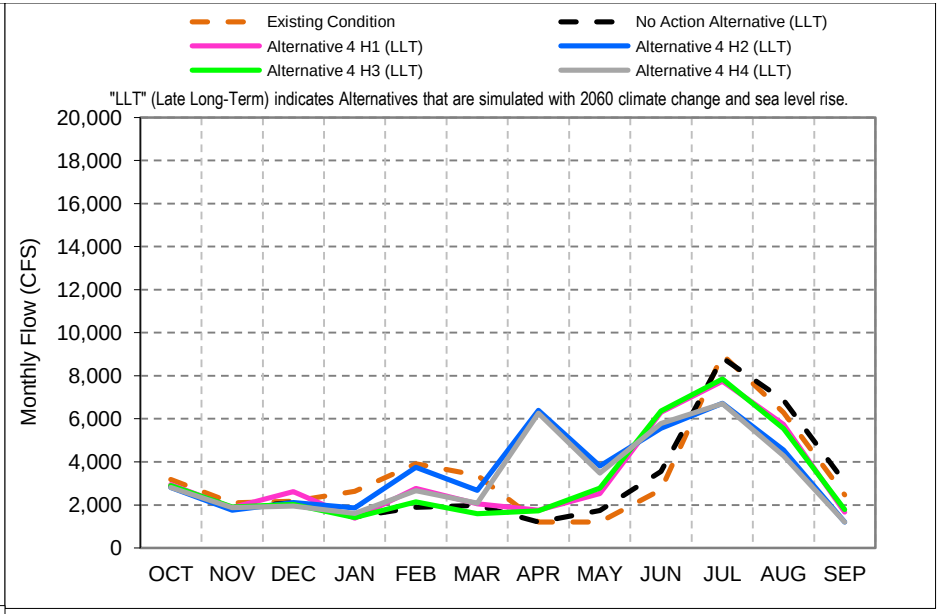
Alternative 4 Scenario Definitions:

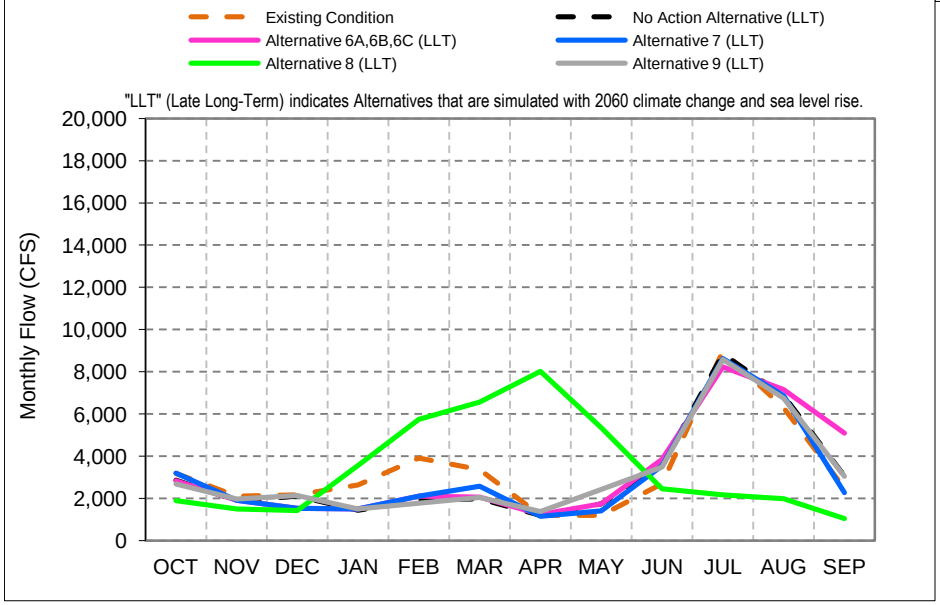
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-17-3. Feather River d/s of Thermalito, Above Normal Year* Average Flow





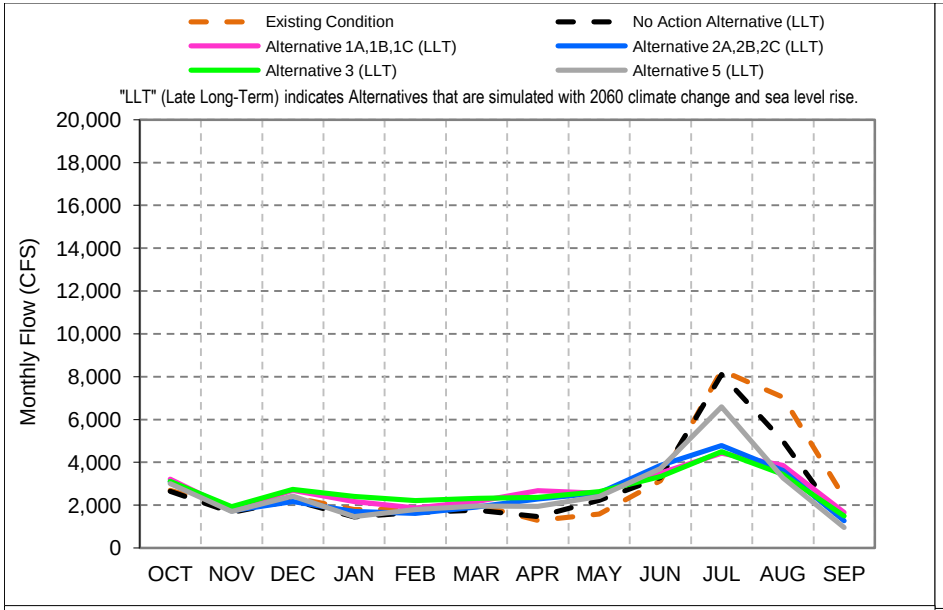


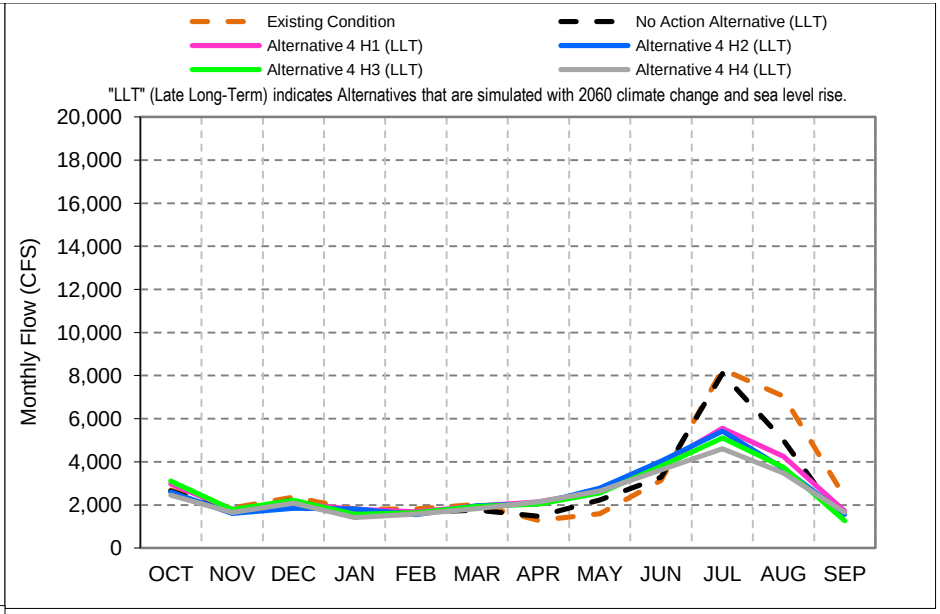
Alternative 4 Scenario Definitions:

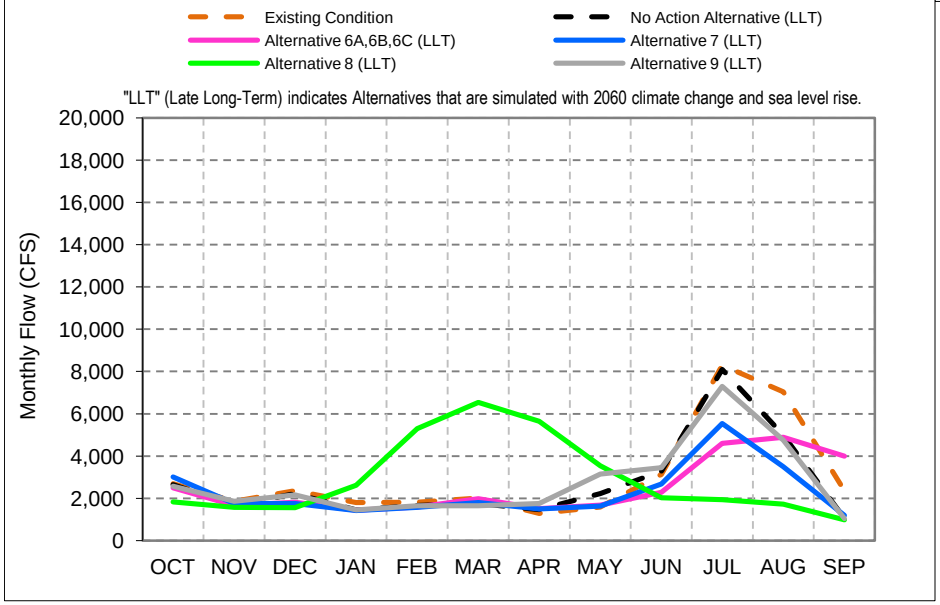
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-17-4. Feather River d/s of Thermalito, Below Normal Year* Average Flow





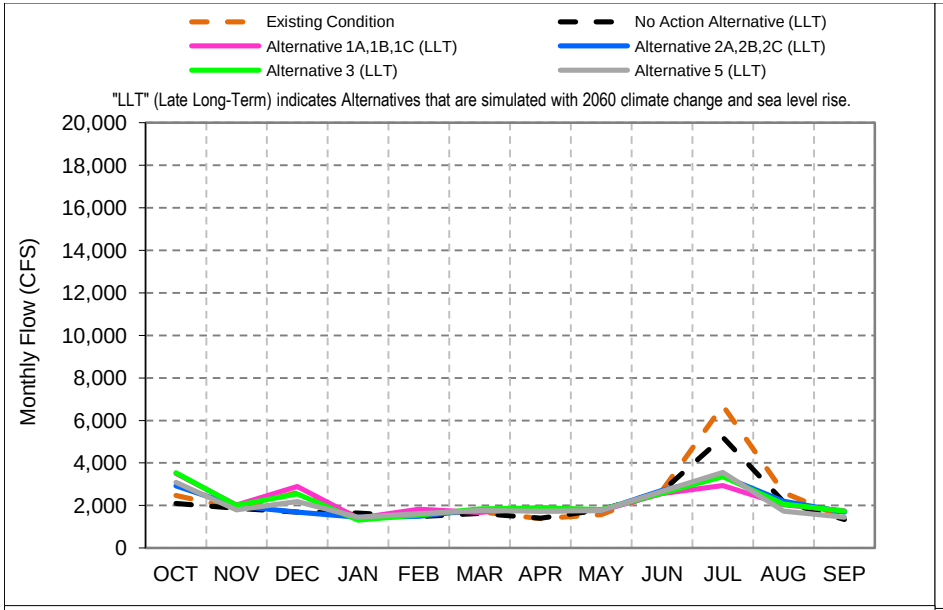


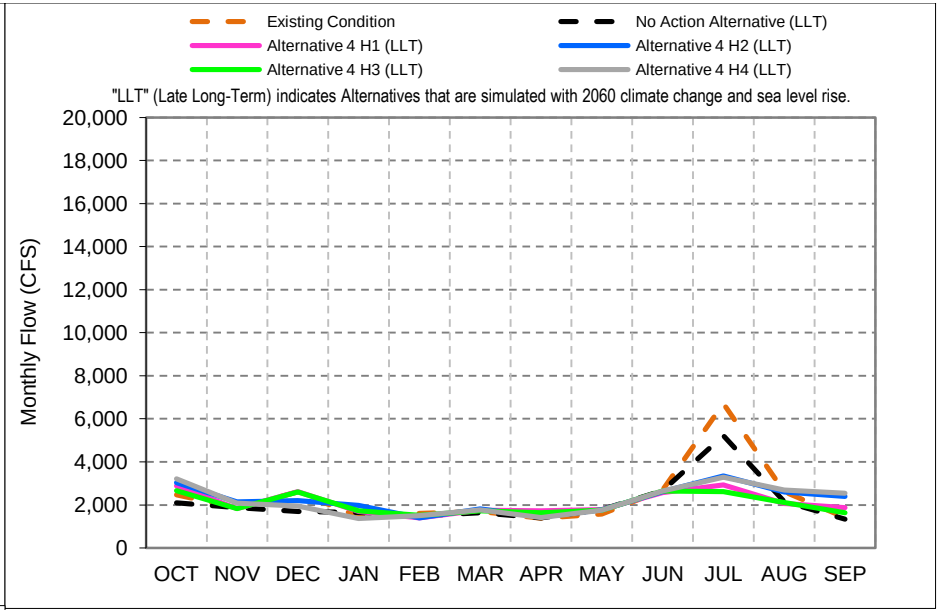
Alternative 4 Scenario Definitions:

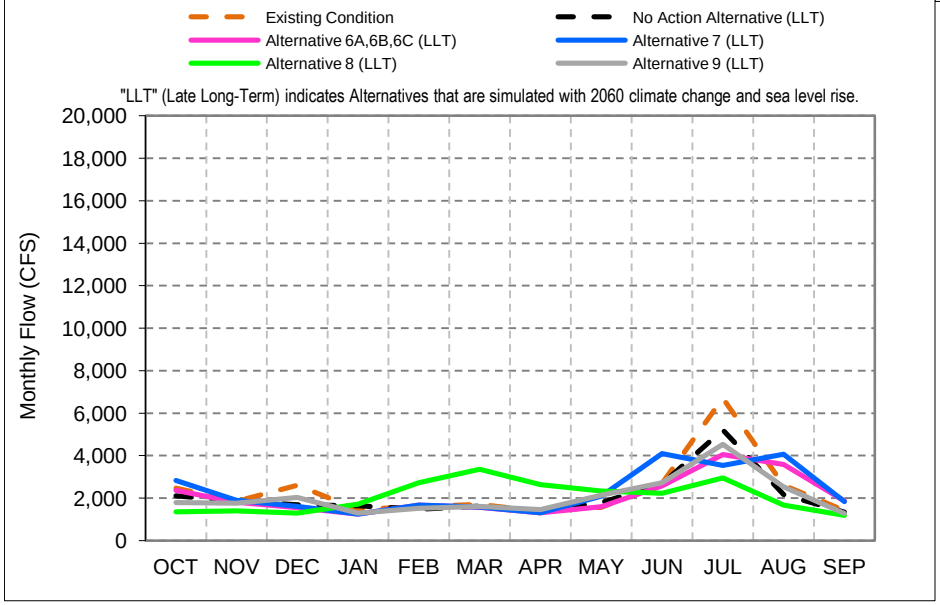
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-17-5. Feather River d/s of Thermalito, Dry Year* Average Flow







Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-17-6. Feather River d/s of Thermalito, Critical Year* Average Flow

Table C-17-1. Feather River d/s of Thermalito, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4,000	4,179	10,091	13,829	17,525	14,397	7,778	10,283	6,126	9,879	7,670	3,429
20%	4,000	2,500	4,250	7,711	12,078	10,140	3,835	5,812	4,449	9,393	7,097	3,187
30%	3,976	2,500	3,814	4,423	8,596	6,835	2,900	3,052	3,906	8,948	6,763	2,925
40%	3,621	2,247	3,064	3,091	4,711	5,308	1,774	2,022	3,570	8,700	6,341	2,680
50%	3,147	1,709	1,700	1,700	3,640	4,351	1,229	1,517	3,295	8,455	6,001	2,247
60%	2,491	1,700	1,700	1,700	1,700	2,771	1,000	1,139	2,985	8,181	4,870	1,595
70%	1,994	1,700	1,700	1,200	1,700	1,700	1,000	1,000	2,482	7,647	2,971	1,273
80%	1,700	1,200	1,356	1,175	1,200	1,283	1,000	1,000	1,982	6,536	2,061	1,000
90%	921	900	1,014	900	900	800	802	1,000	1,258	3,180	1,090	1,000
Long Term												
Full Simulation Period[a]	2,940	2,349	3,973	5,277	6,340	6,487	3,073	3,661	3,632	7,674	4,935	2,201
Water Year Types[b]												
Wet (32%)	3,456	3,292	7,157	11,257	12,466	12,895	6,472	7,528	5,062	6,490	3,308	2,280
Above Normal (15%)	2,386	1,824	2,951	4,434	7,411	7,733	2,251	3,340	3,301	8,757	6,042	2,253
Below Normal (17%)	3,183	2,101	2,176	2,640	3,916	3,373	1,205	1,205	2,707	8,981	6,295	2,466
Dry (22%)	2,688	1,859	2,364	1,798	1,817	2,017	1,286	1,591	3,134	8,294	7,036	2,366
Critical (15%)	2,472	1,854	2,609	1,459	1,610	1,697	1,389	1,574	2,695	6,703	2,613	1,421

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4,000	2,505	4,618	14,816	20,547	15,985	8,424	6,279	4,845	10,000	7,691	9,042
20%	4,000	2,500	3,736	4,226	12,670	11,259	3,587	4,047	4,367	9,800	7,218	8,233
30%	4,000	2,500	2,502	2,152	4,539	8,097	2,954	3,015	4,001	9,574	7,036	7,724
40%	3,980	2,500	1,700	1,700	3,106	5,068	2,019	2,653	3,852	9,257	6,754	6,219
50%	3,390	1,700	1,700	1,700	2,007	2,657	1,364	2,202	3,617	8,959	6,626	3,408
60%	1,756	1,700	1,700	1,700	1,700	1,916	1,000	1,669	3,433	8,642	6,314	2,304
70%	1,658	1,598	1,700	1,350	1,700	1,700	1,000	1,070	3,267	8,287	5,812	1,362
80%	1,264	1,200	1,200	900	1,200	1,387	1,000	1,000	3,001	7,426	3,441	1,007
90%	999	946	900	900	900	820	787	1,000	2,337	4,762	1,130	1,000
Long Term												
Full Simulation Period[a]	2,747	2,058	2,837	4,995	6,444	6,902	3,084	3,005	3,628	8,157	5,634	4,601
Water Year Types[b]												
Wet (32%)	3,051	2,470	3,948	11,896	14,787	14,772	6,408	4,740	4,211	8,577	6,228	8,327
Above Normal (15%)	2,741	2,119	3,344	2,838	5,809	8,568	2,170	3,101	3,930	9,488	7,346	6,899
Below Normal (17%)	2,862	1,900	2,102	1,441	1,897	1,985	1,203	1,749	3,552	8,833	6,868	3,068
Dry (22%)	2,652	1,664	2,229	1,459	1,659	1,762	1,470	2,223	3,284	8,099	4,990	1,052
Critical (15%)	2,102	1,876	1,694	1,648	1,482	1,634	1,407	1,790	2,666	5,217	2,163	1,345

No Action Alternative (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	-1,674	-5,473	987	3,021	1,588	646	-4,004	-1,282	121	21	5,613
20%	0	0	-514	-3,485	592	1,120	-248	-1,766	-81	406	121	5,046
30%	24	0	-1,313	-2,271	-4,057	1,262	54	-36	95	626	273	4,799
40%	359	253	-1,364	-1,391	-1,605	-240	245	632	282	557	413	3,538
50%	242	-9	0	0	-1,634	-1,694	134	685	322	504	625	1,162
60%	-735	0	0	0	0	-855	0	530	448	461	1,444	709
70%	-336	-102	0	150	0	0	0	70	785	639	2,841	89
80%	-436	0	-156	-275	0	105	0	0	1,018	891	1,380	7
90%	79	46	-114	0	0	20	-15	0	1,079	1,582	39	0
Long Term												
Full Simulation Period[a]	-193	-292	-1,136	-283	103	415	11	-656	-5	483	699	2,401
Water Year Types[b]												
Wet (32%)	-405	-822	-3,209	638	2,321	1,877	-64	-2,788	-851	2,087	2,920	6,047
Above Normal (15%)	355	295	393	-1,595	-1,602	835	-81	-239	628	731	1,303	4,647
Below Normal (17%)	-321	-201	-74	-1,199	-2,019	-1,389	-2	543	845	-148	573	602
Dry (22%)	-36	-195	-135	-339	-157	-255	184	632	150	-196	-2,046	-1,314
Critical (15%)	-369	22	-915	189	-129	-63	18	215	-29	-1,486	-450	-76

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-17-2. Feather River d/s of Thermalito, Monthly Flow

Existing Condition

Statistic	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4,000	4,179	10,091	13,829	17,525	14,397	7,778	10,283	6,126	9,879	7,670	3,429
20%	4,000	2,500	4,250	7,711	12,078	10,140	3,835	5,812	4,449	9,393	7,097	3,187
30%	3,976	2,500	3,814	4,423	8,596	6,835	2,900	3,052	3,906	8,948	6,763	2,925
40%	3,621	2,247	3,064	3,091	4,711	5,308	1,774	2,022	3,570	8,700	6,341	2,680
50%	3,147	1,709	1,700	1,700	3,640	4,351	1,229	1,517	3,295	8,455	6,001	2,247
60%	2,491	1,700	1,700	1,700	1,700	2,771	1,000	1,139	2,985	8,181	4,870	1,595
70%	1,994	1,700	1,700	1,200	1,700	1,700	1,000	1,000	2,482	7,647	2,971	1,273
80%	1,700	1,200	1,356	1,175	1,200	1,283	1,000	1,000	1,982	6,536	2,061	1,000
90%	921	900	1,014	900	900	800	802	1,000	1,258	3,180	1,090	1,000
Long Term												
Full Simulation Period[a]	2,940	2,349	3,973	5,277	6,340	6,487	3,073	3,661	3,632	7,674	4,935	2,201
Water Year Types[b]												
Wet (32%)	3,456	3,292	7,157	11,257	12,466	12,895	6,472	7,528	5,062	6,490	3,308	2,280
Above Normal (15%)	2,386	1,824	2,951	4,434	7,411	7,733	2,251	3,340	3,301	8,757	6,042	2,253
Below Normal (17%)	3,183	2,101	2,176	2,640	3,916	3,373	1,205	1,205	2,707	8,981	6,295	2,466
Dry (22%)	2,688	1,859	2,364	1,798	1,817	2,017	1,286	1,591	3,134	8,294	7,036	2,366
Critical (15%)	2,472	1,854	2,609	1,459	1,610	1,697	1,389	1,574	2,695	6,703	2,613	1,421

Alternative 1A,1B,1C (LLT)

Statistic	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4,000	2,500	8,556	18,065	21,972	16,705	8,424	7,853	7,916	9,563	8,114	2,463
20%	4,000	2,500	5,333	8,546	14,753	12,468	4,675	6,257	6,631	8,139	4,921	2,117
30%	4,000	2,500	3,959	4,207	9,798	8,596	3,931	4,304	5,843	6,817	4,536	1,724
40%	4,000	2,500	2,378	2,141	5,980	5,369	3,140	3,384	4,887	6,164	4,297	1,434
50%	4,000	1,734	1,826	1,700	3,702	4,098	2,443	2,929	4,396	5,798	3,974	1,267
60%	3,760	1,700	1,700	1,700	1,795	2,505	1,697	2,369	3,404	5,398	3,578	1,035
70%	2,891	1,700	1,700	1,564	1,700	1,700	1,035	1,636	2,977	3,383	3,177	1,000
80%	1,969	1,345	1,470	1,200	1,231	1,651	1,000	1,002	2,475	2,698	2,587	1,000
90%	1,420	1,180	1,200	900	900	1,000	1,000	1,000	2,046	2,103	1,362	1,000
Long Term												
Full Simulation Period[a]	3,256	2,160	4,012	6,118	7,699	7,396	3,627	3,798	4,667	5,597	4,159	1,518
Water Year Types[b]												
Wet (32%)	3,260	2,747	5,927	14,399	16,622	14,988	6,389	5,415	5,281	6,392	4,584	1,172
Above Normal (15%)	3,303	1,915	4,443	4,107	8,138	10,417	2,504	4,350	6,278	7,576	5,708	1,902
Below Normal (17%)	3,043	1,854	2,748	1,584	3,281	2,333	2,152	3,667	5,456	6,216	4,251	1,455
Dry (22%)	3,220	1,811	2,690	2,168	1,866	2,172	2,681	2,552	3,496	4,420	3,859	1,658
Critical (15%)	3,506	2,016	2,889	1,403	1,829	1,667	1,903	1,762	2,563	2,936	2,034	1,744

Alternative 1A,1B,1C (LLT) minus Existing Condition

Statistic	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	**-1,679**	**-1,535**	4,236	4,446	2,308	646	**-2,430**	1,790	**-316**	443	**-966**
20%	0	0	1,083	834	2,675	2,329	839	444	2,182	**-1,254**	**-2,176**	**-1,071**
30%	24	0	144	**-216**	1,202	1,761	1,031	1,252	1,937	**-2,131**	**-2,227**	**-1,201**
40%	379	253	**-687**	**-950**	1,269	61	1,365	1,362	1,317	**-2,536**	**-2,045**	**-1,246**
50%	853	25	126	**0**	62	**-253**	1,214	1,413	1,100	**-2,657**	**-2,027**	**-980**
60%	1,269	0	0	0	95	**-265**	697	1,230	418	**-2,782**	**-1,292**	**-560**
70%	897	0	**0**	364	0	0	35	636	495	**-4,265**	206	**-273**
80%	269	145	114	25	31	369	0	2	493	**-3,837**	526	**0**
90%	499	280	186	0	0	200	198	0	788	**-1,077**	271	0
Long Term												
Full Simulation Period[a]	316	**-189**	39	841	1,358	908	554	137	1,035	**-2,078**	**-776**	**-683**
Water Year Types[b]												
Wet (32%)	**-196**	**-545**	**-1,230**	3,141	4,156	2,093	**-84**	**-2,113**	219	**-98**	1,276	**-1,108**
Above Normal (15%)	917	91	1,492	**-327**	727	2,684	252	1,010	2,977	**-1,181**	**-334**	**-351**
Below Normal (17%)	**-140**	**-248**	573	**-1,056**	**-635**	**-1,040**	948	2,462	2,749	**-2,764**	**-2,044**	**-1,011**
Dry (22%)	532	**-48**	327	370	49	156	1,395	960	363	**-3,874**	**-3,177**	**-707**
Critical (15%)	1,035	162	280	**-57**	219	**-30**	514	188	**-131**	**-3,767**	**-579**	323

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-17-3. Feather River d/s of Thermalito, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4,000	4,179	10,091	13,829	17,525	14,397	7,778	10,283	6,126	9,879	7,670	3,429
20%	4,000	2,500	4,250	7,711	12,078	10,140	3,835	5,812	4,449	9,393	7,097	3,187
30%	3,976	2,500	3,814	4,423	8,596	6,835	2,900	3,052	3,906	8,948	6,763	2,925
40%	3,621	2,247	3,064	3,091	4,711	5,308	1,774	2,022	3,570	8,700	6,341	2,680
50%	3,147	1,709	1,700	1,700	3,640	4,351	1,229	1,517	3,295	8,455	6,001	2,247
60%	2,491	1,700	1,700	1,700	1,700	2,771	1,000	1,139	2,985	8,181	4,870	1,595
70%	1,994	1,700	1,700	1,200	1,700	1,700	1,000	1,000	2,482	7,647	2,971	1,273
80%	1,700	1,200	1,356	1,175	1,200	1,283	1,000	1,000	1,982	6,536	2,061	1,000
90%	921	900	1,014	900	900	800	802	1,000	1,258	3,180	1,090	1,000
Long Term												
Full Simulation Period[a]	2,940	2,349	3,973	5,277	6,340	6,487	3,073	3,661	3,632	7,674	4,935	2,201
Water Year Types[b]												
Wet (32%)	3,456	3,292	7,157	11,257	12,466	12,895	6,472	7,528	5,062	6,490	3,308	2,280
Above Normal (15%)	2,386	1,824	2,951	4,434	7,411	7,733	2,251	3,340	3,301	8,757	6,042	2,253
Below Normal (17%)	3,183	2,101	2,176	2,640	3,916	3,373	1,205	1,205	2,707	8,981	6,295	2,466
Dry (22%)	2,688	1,859	2,364	1,798	1,817	2,017	1,286	1,591	3,134	8,294	7,036	2,366
Critical (15%)	2,472	1,854	2,609	1,459	1,610	1,697	1,389	1,574	2,695	6,703	2,613	1,421

Alternative 2A,2B,2C (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4,000	2,500	4,601	14,810	21,516	17,074	8,524	7,571	10,615	10,000	8,188	7,565
20%	4,000	2,500	3,394	5,066	14,755	11,238	4,143	5,345	8,805	9,213	5,895	6,877
30%	4,000	2,500	2,266	2,134	7,713	8,321	3,395	4,137	7,081	8,261	4,964	5,952
40%	4,000	2,500	1,717	1,700	4,230	4,999	2,794	3,233	5,948	7,469	4,453	4,697
50%	4,000	1,720	1,700	1,700	1,994	3,296	1,863	2,710	4,660	6,483	4,021	2,764
60%	3,506	1,700	1,700	1,700	1,700	1,991	1,028	2,173	3,465	5,772	3,606	1,744
70%	1,782	1,700	1,700	1,642	1,700	1,700	1,000	1,419	3,155	5,310	3,134	1,308
80%	1,570	1,200	1,331	960	1,200	1,700	1,000	1,000	2,847	3,077	2,598	1,000
90%	1,200	926	930	900	900	958	1,000	1,000	2,210	2,259	1,445	1,000
Long Term												
Full Simulation Period[a]	3,035	2,011	3,028	4,777	7,063	7,015	3,400	3,608	5,521	6,380	4,356	3,835
Water Year Types[b]												
Wet (32%)	3,116	2,391	4,617	11,116	16,021	14,470	6,399	5,235	6,376	7,045	4,726	7,231
Above Normal (15%)	3,221	1,858	3,096	2,817	7,114	9,783	2,208	4,116	8,043	8,900	5,770	5,215
Below Normal (17%)	2,747	1,824	2,268	1,483	2,166	1,824	1,696	3,052	6,311	7,605	5,249	1,470
Dry (22%)	3,090	1,737	2,173	1,709	1,617	1,915	2,284	2,580	3,865	4,787	3,620	1,275
Critical (15%)	2,924	1,970	1,684	1,444	1,488	1,804	1,756	1,768	2,709	3,378	2,208	1,693

Alternative 2A,2B,2C (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	-1,679	-5,490	981	3,991	2,677	745	-2,712	4,489	121	517	4,136
20%	0	0	-856	-2,645	2,676	1,098	308	-467	4,356	-180	-1,202	3,690
30%	24	0	-1,548	-2,289	-883	1,486	495	1,085	3,175	-687	-1,799	3,028
40%	379	253	-1,348	-1,391	-481	-309	1,019	1,211	2,378	-1,231	-1,889	2,017
50%	853	11	0	0	-1,646	-1,054	633	1,194	1,365	-1,973	-1,980	517
60%	1,015	0	0	0	0	-780	28	1,034	479	-2,409	-1,264	149
70%	-212	0	0	442	0	0	0	419	673	-2,338	163	35
80%	-130	0	-24	-215	0	417	0	0	865	-3,459	536	0
90%	279	26	-84	0	0	158	198	0	951	-921	354	0
Long Term												
Full Simulation Period[a]	94	-338	-946	-501	723	528	327	-53	1,889	-1,294	-578	1,634
Water Year Types[b]												
Wet (32%)	-340	-902	-2,540	-141	3,555	1,575	-73	-2,292	1,314	555	1,417	4,951
Above Normal (15%)	834	34	145	-1,616	-296	2,050	-43	776	4,742	144	-273	2,962
Below Normal (17%)	-436	-277	92	-1,157	-1,750	-1,550	491	1,847	3,605	-1,376	-1,046	-996
Dry (22%)	402	-122	-191	-90	-200	-102	998	988	732	-3,507	-3,417	-1,090
Critical (15%)	452	116	-924	-15	-122	107	367	193	14	-3,325	-406	273

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-17-4. Feather River d/s of Thermalito, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4,000	4,179	10,091	13,829	17,525	14,397	7,778	10,283	6,126	9,879	7,670	3,429
20%	4,000	2,500	4,250	7,711	12,078	10,140	3,835	5,812	4,449	9,393	7,097	3,187
30%	3,976	2,500	3,814	4,423	8,596	6,835	2,900	3,052	3,906	8,948	6,763	2,925
40%	3,621	2,247	3,064	3,091	4,711	5,308	1,774	2,022	3,570	8,700	6,341	2,680
50%	3,147	1,709	1,700	1,700	3,640	4,351	1,229	1,517	3,295	8,455	6,001	2,247
60%	2,491	1,700	1,700	1,700	1,700	2,771	1,000	1,139	2,985	8,181	4,870	1,595
70%	1,994	1,700	1,700	1,200	1,700	1,700	1,000	1,000	2,482	7,647	2,971	1,273
80%	1,700	1,200	1,356	1,175	1,200	1,283	1,000	1,000	1,982	6,536	2,061	1,000
90%	921	900	1,014	900	900	800	802	1,000	1,258	3,180	1,090	1,000
Long Term												
Full Simulation Period[a]	2,940	2,349	3,973	5,277	6,340	6,487	3,073	3,661	3,632	7,674	4,935	2,201
Water Year Types[b]												
Wet (32%)	3,456	3,292	7,157	11,257	12,466	12,895	6,472	7,528	5,062	6,490	3,308	2,280
Above Normal (15%)	2,386	1,824	2,951	4,434	7,411	7,733	2,251	3,340	3,301	8,757	6,042	2,253
Below Normal (17%)	3,183	2,101	2,176	2,640	3,916	3,373	1,205	1,205	2,707	8,981	6,295	2,466
Dry (22%)	2,688	1,859	2,364	1,798	1,817	2,017	1,286	1,591	3,134	8,294	7,036	2,366
Critical (15%)	2,472	1,854	2,609	1,459	1,610	1,697	1,389	1,574	2,695	6,703	2,613	1,421

Alternative 3 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4,000	2,500	8,450	18,065	21,976	16,494	8,424	7,187	7,601	10,000	7,897	2,434
20%	4,000	2,500	4,956	9,198	14,946	12,468	4,138	6,023	6,221	9,021	5,206	2,168
30%	4,000	2,500	3,636	5,537	9,609	8,319	3,576	4,210	5,739	7,693	4,635	1,740
40%	4,000	2,500	2,382	2,211	5,305	5,398	3,186	3,215	4,900	6,667	4,259	1,475
50%	4,000	1,941	1,761	1,700	3,079	4,180	2,315	2,829	4,038	5,865	3,996	1,228
60%	3,996	1,700	1,700	1,700	1,835	2,732	1,697	2,277	3,323	5,360	3,647	1,011
70%	3,041	1,700	1,700	1,700	1,700	1,700	1,000	1,574	2,860	3,885	3,129	1,000
80%	2,038	1,406	1,615	1,200	1,200	1,700	1,000	1,002	2,461	2,415	2,239	1,000
90%	1,376	1,179	973	900	900	1,000	1,000	1,000	1,988	1,930	1,331	1,000
Long Term												
Full Simulation Period[a]	3,288	2,197	4,026	6,168	7,594	7,427	3,533	3,639	4,470	5,850	4,210	1,605
Water Year Types[b]												
Wet (32%)	3,421	2,780	5,987	14,347	16,515	15,093	6,442	5,280	5,284	6,557	4,552	1,323
Above Normal (15%)	3,415	1,944	4,499	4,175	7,670	10,085	2,351	4,176	5,795	7,751	5,586	2,299
Below Normal (17%)	2,946	1,836	2,907	1,679	3,059	2,275	2,049	3,007	4,904	6,779	5,216	1,569
Dry (22%)	3,112	1,937	2,739	2,414	2,207	2,311	2,369	2,628	3,341	4,501	3,441	1,494
Critical (15%)	3,536	1,998	2,542	1,312	1,560	1,846	1,887	1,803	2,570	3,353	2,071	1,730

Alternative 3 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	-1,679	-1,641	4,235	4,451	2,097	646	-3,095	1,475	121	226	-995
20%	0	0	706	1,487	2,868	2,329	303	211	1,773	-372	-1,891	-1,019
30%	24	0	-178	1,114	1,013	1,484	675	1,159	1,833	-1,255	-2,128	-1,184
40%	379	253	-682	-880	594	90	1,411	1,193	1,330	-2,033	-2,082	-1,205
50%	853	232	61	0	-561	-170	1,086	1,313	742	-2,590	-2,005	-1,019
60%	1,505	0	0	0	135	-39	697	1,138	338	-2,821	-1,223	-584
70%	1,046	0	0	500	0	0	0	574	378	-3,762	158	-273
80%	338	205	259	25	0	417	0	2	478	-4,121	178	0
90%	455	279	-40	0	0	200	198	0	730	-1,250	241	0
Long Term												
Full Simulation Period[a]	348	-152	53	891	1,254	940	460	-22	838	-1,825	-725	-596
Water Year Types[b]												
Wet (32%)	-35	-513	-1,170	3,089	4,049	2,198	-30	-2,248	222	67	1,244	-957
Above Normal (15%)	1,028	120	1,548	-259	260	2,353	99	836	2,494	-1,005	-457	46
Below Normal (17%)	-237	-266	732	-961	-857	-1,098	844	1,801	2,197	-2,201	-1,079	-897
Dry (22%)	424	77	376	615	390	295	1,083	1,036	207	-3,793	-3,595	-872
Critical (15%)	1,065	144	-67	-147	-50	149	498	229	-125	-3,350	-542	309

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-17-5. Feather River d/s of Thermalito, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4,000	4,179	10,091	13,829	17,525	14,397	7,778	10,283	6,126	9,879	7,670	3,429
20%	4,000	2,500	4,250	7,711	12,078	10,140	3,835	5,812	4,449	9,393	7,097	3,187
30%	3,976	2,500	3,814	4,423	8,596	6,835	2,900	3,052	3,906	8,948	6,763	2,925
40%	3,621	2,247	3,064	3,091	4,711	5,308	1,774	2,022	3,570	8,700	6,341	2,680
50%	3,147	1,709	1,700	1,700	3,640	4,351	1,229	1,517	3,295	8,455	6,001	2,247
60%	2,491	1,700	1,700	1,700	1,700	2,771	1,000	1,139	2,985	8,181	4,870	1,595
70%	1,994	1,700	1,700	1,200	1,700	1,700	1,000	1,000	2,482	7,647	2,971	1,273
80%	1,700	1,200	1,356	1,175	1,200	1,283	1,000	1,000	1,982	6,536	2,061	1,000
90%	921	900	1,014	900	900	800	802	1,000	1,258	3,180	1,090	1,000
Long Term												
Full Simulation Period[a]	2,940	2,349	3,973	5,277	6,340	6,487	3,073	3,661	3,632	7,674	4,935	2,201
Water Year Types[b]												
Wet (32%)	3,456	3,292	7,157	11,257	12,466	12,895	6,472	7,528	5,062	6,490	3,308	2,280
Above Normal (15%)	2,386	1,824	2,951	4,434	7,411	7,733	2,251	3,340	3,301	8,757	6,042	2,253
Below Normal (17%)	3,183	2,101	2,176	2,640	3,916	3,373	1,205	1,205	2,707	8,981	6,295	2,466
Dry (22%)	2,688	1,859	2,364	1,798	1,817	2,017	1,286	1,591	3,134	8,294	7,036	2,366
Critical (15%)	2,472	1,854	2,609	1,459	1,610	1,697	1,389	1,574	2,695	6,703	2,613	1,421

Alternative 4 H1 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4,000	2,500	5,910	17,746	21,959	17,074	8,451	6,833	9,370	10,000	8,900	2,883
20%	4,000	2,500	4,447	6,850	14,923	12,468	4,173	5,189	7,774	10,000	6,846	2,039
30%	4,000	2,500	2,942	3,394	7,593	8,322	3,257	3,719	6,737	9,928	5,216	1,601
40%	4,000	2,500	2,061	1,700	5,231	5,504	2,653	2,858	5,747	8,569	4,543	1,389
50%	4,000	1,700	1,700	1,700	2,404	3,616	1,995	2,591	4,820	6,558	4,159	1,156
60%	3,418	1,700	1,700	1,700	1,700	2,101	1,059	1,971	3,476	5,627	3,830	1,000
70%	2,095	1,700	1,700	1,202	1,700	1,700	1,000	1,413	3,169	5,134	3,428	1,000
80%	1,700	1,427	1,222	900	1,200	1,700	1,000	1,000	2,646	3,784	2,842	1,000
90%	1,370	1,200	1,166	900	900	1,000	1,000	1,000	2,064	2,080	1,520	1,000
Long Term												
Full Simulation Period[a]	3,087	2,146	3,453	5,720	7,285	7,251	3,386	3,436	5,236	6,742	4,678	1,658
Water Year Types[b]												
Wet (32%)	3,243	2,790	5,293	13,569	16,167	14,854	6,402	5,021	6,031	7,629	5,025	1,208
Above Normal (15%)	3,287	1,906	3,361	3,673	7,609	10,269	2,280	3,914	6,963	9,241	5,930	2,318
Below Normal (17%)	2,950	1,873	2,616	1,387	2,763	2,061	1,762	2,526	6,303	7,746	5,739	1,670
Dry (22%)	2,970	1,796	2,062	1,802	1,676	1,955	2,134	2,638	3,875	5,551	4,257	1,713
Critical (15%)	2,887	1,837	2,622	1,691	1,404	1,759	1,731	1,779	2,582	2,933	2,066	1,875

Alternative 4 H1 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	-1,679	-4,181	3,917	4,434	2,677	672	-3,449	3,244	121	1,229	-546
20%	0	0	197	-862	2,845	2,329	337	-623	3,326	607	-251	-1,148
30%	24	0	-872	-1,029	-1,003	1,487	357	667	2,831	980	-1,547	-1,324
40%	379	253	-1,003	-1,391	520	196	879	836	2,176	-131	-1,798	-1,291
50%	853	-9	0	0	-1,237	-735	765	1,074	1,525	-1,897	-1,842	-1,091
60%	927	0	0	0	0	-670	59	832	491	-2,554	-1,040	-595
70%	101	0	0	2	0	0	0	413	687	-2,513	457	-273
80%	0	227	-134	-275	0	417	0	0	664	-2,752	780	0
90%	449	300	152	0	0	200	198	0	805	-1,100	429	0
Long Term												
Full Simulation Period[a]	147	-203	-520	443	944	764	313	-226	1,603	-933	-257	-543
Water Year Types[b]												
Wet (32%)	-213	-503	-1,864	2,312	3,701	1,959	-71	-2,507	969	1,139	1,717	-1,072
Above Normal (15%)	901	82	411	-761	199	2,536	29	574	3,662	484	-112	65
Below Normal (17%)	-233	-228	440	-1,253	-1,153	-1,313	557	1,321	3,596	-1,234	-556	-795
Dry (22%)	282	-64	-301	4	-141	-62	848	1,047	742	-2,743	-2,779	-653
Critical (15%)	415	-17	13	231	-207	63	342	205	-113	-3,770	-548	455

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-17-6. Feather River d/s of Thermalito, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4,000	4,179	10,091	13,829	17,525	14,397	7,778	10,283	6,126	9,879	7,670	3,429
20%	4,000	2,500	4,250	7,711	12,078	10,140	3,835	5,812	4,449	9,393	7,097	3,187
30%	3,976	2,500	3,814	4,423	8,596	6,835	2,900	3,052	3,906	8,948	6,763	2,925
40%	3,621	2,247	3,064	3,091	4,711	5,308	1,774	2,022	3,570	8,700	6,341	2,680
50%	3,147	1,709	1,700	1,700	3,640	4,351	1,229	1,517	3,295	8,455	6,001	2,247
60%	2,491	1,700	1,700	1,700	1,700	2,771	1,000	1,139	2,985	8,181	4,870	1,595
70%	1,994	1,700	1,700	1,200	1,700	1,700	1,000	1,000	2,482	7,647	2,971	1,273
80%	1,700	1,200	1,356	1,175	1,200	1,283	1,000	1,000	1,982	6,536	2,061	1,000
90%	921	900	1,014	900	900	800	802	1,000	1,258	3,180	1,090	1,000
Long Term												
Full Simulation Period[a]	2,940	2,349	3,973	5,277	6,340	6,487	3,073	3,661	3,632	7,674	4,935	2,201
Water Year Types[b]												
Wet (32%)	3,456	3,292	7,157	11,257	12,466	12,895	6,472	7,528	5,062	6,490	3,308	2,280
Above Normal (15%)	2,386	1,824	2,951	4,434	7,411	7,733	2,251	3,340	3,301	8,757	6,042	2,253
Below Normal (17%)	3,183	2,101	2,176	2,640	3,916	3,373	1,205	1,205	2,707	8,981	6,295	2,466
Dry (22%)	2,688	1,859	2,364	1,798	1,817	2,017	1,286	1,591	3,134	8,294	7,036	2,366
Critical (15%)	2,472	1,854	2,609	1,459	1,610	1,697	1,389	1,574	2,695	6,703	2,613	1,421

Alternative 4 H2 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4,000	2,500	6,123	14,703	21,960	17,041	17,000	9,857	7,623	9,656	5,577	2,330
20%	4,000	2,500	3,386	9,513	13,700	12,114	12,858	6,978	6,191	7,788	4,820	1,984
30%	4,000	2,433	2,277	3,673	9,184	8,328	8,072	5,687	5,240	7,188	4,516	1,569
40%	3,991	1,786	1,700	1,828	6,202	5,486	3,176	4,361	3,923	6,370	4,153	1,308
50%	2,825	1,700	1,700	1,700	2,756	3,734	2,455	3,255	3,303	5,538	3,731	1,043
60%	2,214	1,700	1,700	1,700	1,700	2,265	1,921	2,472	2,849	4,750	3,357	1,000
70%	1,700	1,700	1,700	1,268	1,700	1,700	1,354	1,798	2,614	3,948	2,758	1,000
80%	1,603	1,357	1,200	900	1,200	1,700	1,000	1,239	2,036	2,864	2,264	1,000
90%	1,291	1,200	1,150	900	900	893	1,000	1,000	1,759	1,677	1,507	982
Long Term												
Full Simulation Period[a]	2,805	2,064	3,403	5,780	7,377	7,300	5,831	4,648	4,156	5,497	3,672	1,486
Water Year Types[b]												
Wet (32%)	2,873	2,648	6,461	13,308	15,655	14,943	9,816	7,370	4,093	5,684	3,300	1,119
Above Normal (15%)	2,718	1,769	1,816	3,798	8,383	9,610	6,591	5,420	4,390	5,931	4,505	1,573
Below Normal (17%)	2,816	1,757	2,108	1,862	3,752	2,681	6,390	3,807	5,558	6,721	4,550	1,212
Dry (22%)	2,607	1,604	1,849	1,810	1,548	1,969	2,059	2,773	4,020	5,420	3,687	1,564
Critical (15%)	3,031	2,143	2,207	1,976	1,407	1,814	1,443	1,771	2,626	3,348	2,599	2,398

Alternative 4 H2 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	-1,679	-3,968	873	4,435	2,645	9,222	-426	1,496	-223	-2,093	-1,099
20%	0	0	-864	1,801	1,622	1,975	9,022	1,166	1,742	-1,605	-2,277	-1,203
30%	24	-67	-1,537	-750	587	1,493	5,172	2,636	1,334	-1,760	-2,247	-1,355
40%	370	-462	-1,364	-1,263	1,491	178	1,401	2,339	353	-2,330	-2,188	-1,373
50%	-323	-9	0	0	-884	-616	1,225	1,739	8	-2,917	-2,270	-1,204
60%	-277	0	0	0	0	-506	921	1,333	-136	-3,431	-1,513	-595
70%	-294	0	0	68	0	0	354	798	132	-3,699	-213	-273
80%	-97	157	-156	-275	0	417	0	239	53	-3,672	203	0
90%	370	300	136	0	0	93	198	0	501	-1,503	417	-18
Long Term												
Full Simulation Period[a]	-135	-285	-570	503	1,037	813	2,758	987	524	-2,177	-1,263	-715
Water Year Types[b]												
Wet (32%)	-583	-645	-696	2,051	3,189	2,048	3,343	-158	-968	-806	-8	-1,161
Above Normal (15%)	332	-56	-1,135	-635	972	1,877	4,340	2,080	1,089	-2,826	-1,537	-680
Below Normal (17%)	-367	-344	-68	-777	-164	-692	5,185	2,601	2,851	-2,260	-1,744	-1,254
Dry (22%)	-81	-256	-515	12	-268	-47	773	1,182	886	-2,874	-3,350	-802
Critical (15%)	559	289	-402	517	-203	117	54	197	-69	-3,355	-14	977

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-17-7. Feather River d/s of Thermalito, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4,000	4,179	10,091	13,829	17,525	14,397	7,778	10,283	6,126	9,879	7,670	3,429
20%	4,000	2,500	4,250	7,711	12,078	10,140	3,835	5,812	4,449	9,393	7,097	3,187
30%	3,976	2,500	3,814	4,423	8,596	6,835	2,900	3,052	3,906	8,948	6,763	2,925
40%	3,621	2,247	3,064	3,091	4,711	5,308	1,774	2,022	3,570	8,700	6,341	2,680
50%	3,147	1,709	1,700	1,700	3,640	4,351	1,229	1,517	3,295	8,455	6,001	2,247
60%	2,491	1,700	1,700	1,700	1,700	2,771	1,000	1,139	2,985	8,181	4,870	1,595
70%	1,994	1,700	1,700	1,200	1,700	1,700	1,000	1,000	2,482	7,647	2,971	1,273
80%	1,700	1,200	1,356	1,175	1,200	1,283	1,000	1,000	1,982	6,536	2,061	1,000
90%	921	900	1,014	900	900	800	802	1,000	1,258	3,180	1,090	1,000
Long Term												
Full Simulation Period[a]	2,940	2,349	3,973	5,277	6,340	6,487	3,073	3,661	3,632	7,674	4,935	2,201
Water Year Types[b]												
Wet (32%)	3,456	3,292	7,157	11,257	12,466	12,895	6,472	7,528	5,062	6,490	3,308	2,280
Above Normal (15%)	2,386	1,824	2,951	4,434	7,411	7,733	2,251	3,340	3,301	8,757	6,042	2,253
Below Normal (17%)	3,183	2,101	2,176	2,640	3,916	3,373	1,205	1,205	2,707	8,981	6,295	2,466
Dry (22%)	2,688	1,859	2,364	1,798	1,817	2,017	1,286	1,591	3,134	8,294	7,036	2,366
Critical (15%)	2,472	1,854	2,609	1,459	1,610	1,697	1,389	1,574	2,695	6,703	2,613	1,421

Alternative 4 H3 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4,000	2,500	4,883	14,463	21,959	16,426	8,573	6,829	9,502	10,000	8,908	7,494
20%	4,000	2,500	3,165	4,703	14,768	11,238	4,142	5,089	8,415	10,000	6,304	6,872
30%	4,000	2,500	2,423	2,152	8,648	8,322	3,248	3,695	7,216	9,832	4,795	5,943
40%	4,000	2,500	1,772	1,700	4,229	4,598	2,528	3,183	6,087	8,773	4,554	4,434
50%	4,000	1,703	1,700	1,700	2,132	3,020	1,671	2,643	4,665	6,724	4,253	2,955
60%	3,052	1,700	1,700	1,700	1,700	2,072	1,023	2,086	3,498	5,893	3,678	1,740
70%	1,906	1,700	1,700	1,582	1,700	1,700	1,000	1,411	3,147	5,042	3,218	1,344
80%	1,468	1,200	1,389	900	1,200	1,700	1,000	1,000	2,883	3,338	2,647	1,000
90%	1,200	930	1,200	900	900	824	1,000	1,000	2,216	2,121	1,372	1,000
Long Term												
Full Simulation Period[a]	3,006	2,022	3,048	4,751	7,126	6,900	3,330	3,475	5,368	6,714	4,547	3,811
Water Year Types[b]												
Wet (32%)	3,087	2,391	4,456	11,023	16,276	14,401	6,399	5,060	6,423	7,849	5,037	7,049
Above Normal (15%)	3,163	1,916	2,864	2,874	6,955	9,456	2,180	3,929	7,008	9,427	5,955	5,142
Below Normal (17%)	2,895	1,904	2,029	1,419	2,145	1,598	1,728	2,780	6,365	7,843	5,550	1,790
Dry (22%)	3,101	1,782	2,221	1,556	1,636	1,930	2,036	2,563	3,790	5,117	3,743	1,266
Critical (15%)	2,656	1,829	2,610	1,721	1,516	1,729	1,637	1,762	2,648	2,618	2,116	1,638

Alternative 4 H3 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	-1,679	-5,208	634	4,434	2,029	794	-3,454	3,376	121	1,237	4,065
20%	0	0	-1,084	-3,008	2,690	1,098	307	-724	3,966	607	-793	3,685
30%	24	0	-1,391	-2,271	52	1,487	348	643	3,310	884	-1,968	3,019
40%	379	253	-1,292	-1,391	-482	-710	754	1,161	2,516	73	-1,787	1,754
50%	853	-6	0	0	-1,508	-1,330	441	1,127	1,370	-1,731	-1,748	708
60%	561	0	0	0	0	-699	23	947	513	-2,288	-1,192	145
70%	-89	0	0	382	0	0	0	411	665	-2,606	247	71
80%	-232	0	34	-275	0	417	0	0	901	-3,198	586	0
90%	279	30	186	0	0	24	198	0	958	-1,059	281	0
Long Term												
Full Simulation Period[a]	65	-327	-925	-526	785	412	257	-187	1,736	-960	-388	1,610
Water Year Types[b]												
Wet (32%)	-369	-902	-2,701	-235	3,810	1,506	-73	-2,468	1,361	1,359	1,729	4,769
Above Normal (15%)	777	92	-87	-1,559	-456	1,723	-71	589	3,707	670	-87	2,889
Below Normal (17%)	-287	-197	-147	-1,221	-1,771	-1,775	523	1,575	3,658	-1,138	-745	-675
Dry (22%)	413	-78	-142	-242	-181	-87	750	972	657	-3,177	-3,294	-1,100
Critical (15%)	184	-25	2	262	-94	32	248	187	-47	-4,085	-497	218

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-17-8. Feather River d/s of Thermalito, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4,000	4,179	10,091	13,829	17,525	14,397	7,778	10,283	6,126	9,879	7,670	3,429
20%	4,000	2,500	4,250	7,711	12,078	10,140	3,835	5,812	4,449	9,393	7,097	3,187
30%	3,976	2,500	3,814	4,423	8,596	6,835	2,900	3,052	3,906	8,948	6,763	2,925
40%	3,621	2,247	3,064	3,091	4,711	5,308	1,774	2,022	3,570	8,700	6,341	2,680
50%	3,147	1,709	1,700	1,700	3,640	4,351	1,229	1,517	3,295	8,455	6,001	2,247
60%	2,491	1,700	1,700	1,700	1,700	2,771	1,000	1,139	2,985	8,181	4,870	1,595
70%	1,994	1,700	1,700	1,200	1,700	1,700	1,000	1,000	2,482	7,647	2,971	1,273
80%	1,700	1,200	1,356	1,175	1,200	1,283	1,000	1,000	1,982	6,536	2,061	1,000
90%	921	900	1,014	900	900	800	802	1,000	1,258	3,180	1,090	1,000
Long Term												
Full Simulation Period[a]	2,940	2,349	3,973	5,277	6,340	6,487	3,073	3,661	3,632	7,674	4,935	2,201
Water Year Types[b]												
Wet (32%)	3,456	3,292	7,157	11,257	12,466	12,895	6,472	7,528	5,062	6,490	3,308	2,280
Above Normal (15%)	2,386	1,824	2,951	4,434	7,411	7,733	2,251	3,340	3,301	8,757	6,042	2,253
Below Normal (17%)	3,183	2,101	2,176	2,640	3,916	3,373	1,205	1,205	2,707	8,981	6,295	2,466
Dry (22%)	2,688	1,859	2,364	1,798	1,817	2,017	1,286	1,591	3,134	8,294	7,036	2,366
Critical (15%)	2,472	1,854	2,609	1,459	1,610	1,697	1,389	1,574	2,695	6,703	2,613	1,421

Alternative 4 H4 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4,000	2,500	4,548	14,681	21,028	15,991	17,000	9,829	8,057	9,304	5,716	7,477
20%	4,000	2,500	3,545	4,579	13,381	11,997	12,858	6,925	6,558	7,833	4,766	6,503
30%	4,000	2,500	2,338	2,130	9,297	8,231	8,072	5,712	4,570	7,272	4,414	5,188
40%	3,688	1,912	1,700	1,700	4,305	5,276	3,323	4,129	3,689	6,093	4,041	3,989
50%	2,950	1,700	1,700	1,700	2,265	3,323	2,450	3,201	3,226	5,571	3,554	2,760
60%	2,451	1,700	1,700	1,700	1,700	1,700	1,885	2,473	2,879	5,186	3,250	2,125
70%	1,738	1,700	1,700	1,318	1,700	1,700	1,354	1,813	2,601	3,853	2,407	1,765
80%	1,700	1,241	1,207	960	1,200	1,700	1,000	1,214	2,234	2,911	1,841	1,065
90%	1,259	1,200	944	900	900	932	1,000	1,000	1,788	1,755	1,065	865
Long Term												
Full Simulation Period[a]	2,814	2,016	2,983	5,106	6,971	7,054	5,846	4,577	4,130	5,494	3,453	3,620
Water Year Types[b]												
Wet (32%)	2,850	2,416	5,108	12,161	15,207	14,813	9,860	7,333	4,178	6,172	3,341	6,495
Above Normal (15%)	2,877	1,772	1,971	3,165	7,714	9,157	6,651	5,600	4,343	6,149	3,451	4,211
Below Normal (17%)	2,805	1,882	1,947	1,609	2,666	2,084	6,256	3,488	5,782	6,699	4,278	1,213
Dry (22%)	2,459	1,658	2,083	1,419	1,572	1,830	2,141	2,639	3,622	4,609	3,483	1,657
Critical (15%)	3,215	2,084	1,946	1,372	1,505	1,773	1,421	1,758	2,649	3,294	2,689	2,552

Alternative 4 H4 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	-1,679	-5,543	852	3,502	1,594	9,222	-454	1,931	-575	-1,954	4,048
20%	0	0	-705	-3,132	1,303	1,857	9,023	1,113	2,109	-1,560	-2,331	3,316
30%	24	0	-1,476	-2,292	701	1,396	5,172	2,660	664	-1,676	-2,349	2,263
40%	68	-335	-1,364	-1,391	-406	-32	1,549	2,107	119	-2,608	-2,301	1,309
50%	-197	-9	0	0	-1,375	-1,028	1,221	1,685	-69	-2,885	-2,447	514
60%	-40	0	0	0	0	-1,071	885	1,334	-106	-2,995	-1,620	530
70%	-256	0	0	118	0	0	354	813	119	-3,794	-564	492
80%	0	40	-148	-215	0	417	0	214	252	-3,625	-220	65
90%	339	300	-69	0	0	132	198	0	529	-1,425	-26	-135
Long Term												
Full Simulation Period[a]	-126	-333	-991	-171	631	567	2,773	916	498	-2,180	-1,482	1,419
Water Year Types[b]												
Wet (32%)	-606	-876	-2,049	904	2,741	1,918	3,387	-195	-884	-318	32	4,215
Above Normal (15%)	491	-53	-980	-1,268	303	1,424	4,399	2,260	1,042	-2,607	-2,591	1,958
Below Normal (17%)	-378	-219	-229	-1,031	-1,250	-1,289	5,051	2,283	3,076	-2,281	-2,017	-1,253
Dry (22%)	-229	-201	-280	-380	-244	-187	855	1,048	488	-3,685	-3,553	-708
Critical (15%)	744	230	-662	-87	-105	77	32	184	-45	-3,409	76	1,131

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-17-9. Feather River d/s of Thermalito, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4,000	4,179	10,091	13,829	17,525	14,397	7,778	10,283	6,126	9,879	7,670	3,429
20%	4,000	2,500	4,250	7,711	12,078	10,140	3,835	5,812	4,449	9,393	7,097	3,187
30%	3,976	2,500	3,814	4,423	8,596	6,835	2,900	3,052	3,906	8,948	6,763	2,925
40%	3,621	2,247	3,064	3,091	4,711	5,308	1,774	2,022	3,570	8,700	6,341	2,680
50%	3,147	1,709	1,700	1,700	3,640	4,351	1,229	1,517	3,295	8,455	6,001	2,247
60%	2,491	1,700	1,700	1,700	1,700	2,771	1,000	1,139	2,985	8,181	4,870	1,595
70%	1,994	1,700	1,700	1,200	1,700	1,700	1,000	1,000	2,482	7,647	2,971	1,273
80%	1,700	1,200	1,356	1,175	1,200	1,283	1,000	1,000	1,982	6,536	2,061	1,000
90%	921	900	1,014	900	900	800	802	1,000	1,258	3,180	1,090	1,000
Long Term												
Full Simulation Period[a]	2,940	2,349	3,973	5,277	6,340	6,487	3,073	3,661	3,632	7,674	4,935	2,201
Water Year Types[b]												
Wet (32%)	3,456	3,292	7,157	11,257	12,466	12,895	6,472	7,528	5,062	6,490	3,308	2,280
Above Normal (15%)	2,386	1,824	2,951	4,434	7,411	7,733	2,251	3,340	3,301	8,757	6,042	2,253
Below Normal (17%)	3,183	2,101	2,176	2,640	3,916	3,373	1,205	1,205	2,707	8,981	6,295	2,466
Dry (22%)	2,688	1,859	2,364	1,798	1,817	2,017	1,286	1,591	3,134	8,294	7,036	2,366
Critical (15%)	2,472	1,854	2,609	1,459	1,610	1,697	1,389	1,574	2,695	6,703	2,613	1,421

Alternative 5 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4,000	2,500	5,183	14,861	21,065	17,084	8,424	6,267	7,182	10,000	9,439	5,416
20%	4,000	2,500	4,372	7,888	14,924	12,479	4,132	4,168	6,408	10,000	8,094	4,535
30%	4,000	2,500	2,934	2,342	6,923	8,417	3,182	3,134	5,537	10,000	6,596	3,650
40%	4,000	2,500	2,057	1,700	4,247	4,829	2,462	2,759	5,260	10,000	4,901	2,432
50%	4,000	1,700	1,700	1,700	2,480	2,852	1,798	2,120	4,594	10,000	4,109	1,583
60%	3,953	1,700	1,700	1,700	1,700	2,185	1,061	1,754	3,907	9,730	2,979	1,231
70%	2,120	1,700	1,700	1,581	1,700	1,700	1,000	1,226	3,374	7,145	2,294	1,000
80%	1,700	1,200	1,281	1,200	1,200	1,560	1,000	1,000	2,977	4,427	1,709	1,000
90%	1,283	903	1,200	900	900	987	1,000	1,000	2,472	2,674	1,353	832
Long Term												
Full Simulation Period[a]	3,159	1,983	3,191	4,992	7,134	7,138	3,304	3,071	4,635	7,958	4,697	2,767
Water Year Types[b]												
Wet (32%)	3,163	2,338	4,792	12,002	16,244	14,732	6,403	4,712	5,525	9,161	4,995	5,484
Above Normal (15%)	3,407	1,916	2,965	2,756	6,807	10,097	2,167	3,116	5,591	9,700	7,149	2,729
Below Normal (17%)	3,188	1,905	2,259	1,456	2,099	1,771	1,613	1,956	5,039	9,752	6,417	1,205
Dry (22%)	3,010	1,702	2,428	1,470	1,793	1,960	1,951	2,410	3,707	6,599	3,270	959
Critical (15%)	3,088	1,792	2,182	1,447	1,610	1,757	1,728	1,760	2,674	3,554	1,733	1,451

Alternative 5 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	**-1,679**	**-4,908**	1,032	3,540	2,687	646	**-4,016**	1,056	121	1,769	1,987
20%	0	0	122	177	2,845	2,339	297	**-1,644**	1,959	607	997	1,348
30%	24	0	**-880**	**-2,081**	**-1,674**	1,582	281	82	1,631	1,052	**-167**	726
40%	379	253	**-1,008**	**-1,391**	**-464**	**-479**	688	737	1,690	1,300	**-1,440**	**-248**
50%	853	**-9**	**0**	**0**	**-1,160**	**-1,498**	569	604	1,298	1,545	**-1,892**	**-664**
60%	1,463	**0**	0	0	0	**-586**	61	615	922	1,549	**-1,890**	**-364**
70%	125	0	**0**	381	0	**0**	0	226	892	**-502**	**-677**	**-273**
80%	0	**0**	**-75**	25	0	277	0	**0**	994	**-2,108**	**-352**	**0**
90%	362	3	186	0	**0**	187	198	0	1,214	**-506**	262	**-168**
Long Term												
Full Simulation Period[a]	218	**-366**	**-782**	**-285**	794	651	231	**-590**	1,003	284	**-238**	566
Water Year Types[b]												
Wet (32%)	**-293**	**-955**	**-2,365**	745	3,778	1,837	**-69**	**-2,816**	464	2,670	1,687	3,204
Above Normal (15%)	1,021	92	14	**-1,677**	**-603**	2,365	**-84**	**-224**	2,290	943	1,106	476
Below Normal (17%)	5	**-196**	83	**-1,184**	**-1,817**	**-1,602**	409	750	2,332	771	122	**-1,261**
Dry (22%)	322	**-157**	64	**-328**	**-24**	**-57**	665	819	573	**-1,695**	**-3,767**	**-1,407**
Critical (15%)	616	**-62**	**-427**	**-12**	**-1**	60	339	186	**-21**	**-3,149**	**-880**	31

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-17-10. Feather River d/s of Thermalito, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4,000	4,179	10,091	13,829	17,525	14,397	7,778	10,283	6,126	9,879	7,670	3,429
20%	4,000	2,500	4,250	7,711	12,078	10,140	3,835	5,812	4,449	9,393	7,097	3,187
30%	3,976	2,500	3,814	4,423	8,596	6,835	2,900	3,052	3,906	8,948	6,763	2,925
40%	3,621	2,247	3,064	3,091	4,711	5,308	1,774	2,022	3,570	8,700	6,341	2,680
50%	3,147	1,709	1,700	1,700	3,640	4,351	1,229	1,517	3,295	8,455	6,001	2,247
60%	2,491	1,700	1,700	1,700	1,700	2,771	1,000	1,139	2,985	8,181	4,870	1,595
70%	1,994	1,700	1,700	1,200	1,700	1,700	1,000	1,000	2,482	7,647	2,971	1,273
80%	1,700	1,200	1,356	1,175	1,200	1,283	1,000	1,000	1,982	6,536	2,061	1,000
90%	921	900	1,014	900	900	800	802	1,000	1,258	3,180	1,090	1,000
Long Term												
Full Simulation Period[a]	2,940	2,349	3,973	5,277	6,340	6,487	3,073	3,661	3,632	7,674	4,935	2,201
Water Year Types[b]												
Wet (32%)	3,456	3,292	7,157	11,257	12,466	12,895	6,472	7,528	5,062	6,490	3,308	2,280
Above Normal (15%)	2,386	1,824	2,951	4,434	7,411	7,733	2,251	3,340	3,301	8,757	6,042	2,253
Below Normal (17%)	3,183	2,101	2,176	2,640	3,916	3,373	1,205	1,205	2,707	8,981	6,295	2,466
Dry (22%)	2,688	1,859	2,364	1,798	1,817	2,017	1,286	1,591	3,134	8,294	7,036	2,366
Critical (15%)	2,472	1,854	2,609	1,459	1,610	1,697	1,389	1,574	2,695	6,703	2,613	1,421

Alternative 6A,6B,6C (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4,000	2,500	4,225	16,502	21,082	17,129	8,424	6,414	7,014	10,000	8,064	6,887
20%	4,000	2,500	2,370	8,262	13,893	12,474	3,572	4,606	5,413	9,056	7,060	6,278
30%	4,000	2,500	1,963	2,214	8,775	8,330	2,798	2,453	4,231	7,495	6,601	5,893
40%	4,000	2,500	1,700	1,700	4,701	5,366	2,001	2,141	3,191	6,763	5,646	5,412
50%	3,040	1,700	1,700	1,700	2,831	3,868	1,400	1,791	2,692	6,380	5,037	4,807
60%	1,700	1,700	1,700	1,700	1,700	1,827	1,000	1,335	2,478	5,521	4,744	4,234
70%	1,700	1,700	1,700	1,403	1,700	1,700	1,000	1,000	2,240	4,815	4,386	3,936
80%	1,200	1,200	1,200	960	1,200	1,452	1,000	1,000	2,037	4,250	4,010	3,352
90%	900	900	930	900	900	820	973	1,000	1,800	3,428	3,416	1,423
Long Term												
Full Simulation Period[a]	2,672	1,964	3,069	5,723	7,235	7,353	3,083	2,981	3,672	6,328	5,466	4,640
Water Year Types[b]												
Wet (32%)	2,931	2,332	5,759	14,106	16,041	14,991	6,400	5,140	4,489	6,793	5,332	5,961
Above Normal (15%)	2,514	1,833	2,430	3,389	8,154	10,819	2,165	3,069	4,879	7,971	6,532	4,994
Below Normal (17%)	2,829	1,906	1,527	1,497	2,108	2,062	1,237	1,745	3,851	8,230	7,160	5,098
Dry (22%)	2,491	1,671	1,822	1,437	1,592	1,980	1,520	1,687	2,280	4,600	4,885	3,990
Critical (15%)	2,360	1,803	1,552	1,253	1,678	1,573	1,312	1,597	2,573	4,048	3,583	1,862

Alternative 6A,6B,6C (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	-1,679	-5,866	2,673	3,557	2,732	646	-3,869	888	121	394	3,458
20%	0	0	-1,880	551	1,815	2,334	-263	-1,206	964	-338	-37	3,091
30%	24	0	-1,851	-2,209	178	1,495	-102	-599	325	-1,453	-162	2,968
40%	379	253	-1,364	-1,391	-10	58	227	119	-379	-1,937	-695	2,732
50%	-107	-9	0	0	-810	-482	170	274	-603	-2,075	-964	2,561
60%	-791	0	0	0	0	-944	0	196	-507	-2,660	-126	2,639
70%	-294	0	0	203	0	0	0	0	-242	-2,832	1,415	2,664
80%	-500	0	-156	-215	0	169	0	0	54	-2,286	1,949	2,352
90%	-21	0	-84	0	0	20	171	0	542	248	2,326	423
Long Term												
Full Simulation Period[a]	-268	-385	-904	446	894	866	10	-680	39	-1,347	531	2,439
Water Year Types[b]												
Wet (32%)	-526	-960	-1,398	2,848	3,575	2,096	-72	-2,388	-573	303	2,024	3,681
Above Normal (15%)	127	9	-520	-1,045	744	3,086	-87	-271	1,578	-785	489	2,741
Below Normal (17%)	-354	-195	-648	-1,143	-1,808	-1,311	32	540	1,145	-751	865	2,632
Dry (22%)	-197	-189	-542	-361	-225	-36	234	96	-854	-3,694	-2,152	1,624
Critical (15%)	-111	-51	-1,057	-207	67	-124	-77	22	-122	-2,654	970	441

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-17-11. Feather River d/s of Thermalito, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4,000	4,179	10,091	13,829	17,525	14,397	7,778	10,283	6,126	9,879	7,670	3,429
20%	4,000	2,500	4,250	7,711	12,078	10,140	3,835	5,812	4,449	9,393	7,097	3,187
30%	3,976	2,500	3,814	4,423	8,596	6,835	2,900	3,052	3,906	8,948	6,763	2,925
40%	3,621	2,247	3,064	3,091	4,711	5,308	1,774	2,022	3,570	8,700	6,341	2,680
50%	3,147	1,709	1,700	1,700	3,640	4,351	1,229	1,517	3,295	8,455	6,001	2,247
60%	2,491	1,700	1,700	1,700	1,700	2,771	1,000	1,139	2,985	8,181	4,870	1,595
70%	1,994	1,700	1,700	1,200	1,700	1,700	1,000	1,000	2,482	7,647	2,971	1,273
80%	1,700	1,200	1,356	1,175	1,200	1,283	1,000	1,000	1,982	6,536	2,061	1,000
90%	921	900	1,014	900	900	800	802	1,000	1,258	3,180	1,090	1,000
Long Term												
Full Simulation Period[a]	2,940	2,349	3,973	5,277	6,340	6,487	3,073	3,661	3,632	7,674	4,935	2,201
Water Year Types[b]												
Wet (32%)	3,456	3,292	7,157	11,257	12,466	12,895	6,472	7,528	5,062	6,490	3,308	2,280
Above Normal (15%)	2,386	1,824	2,951	4,434	7,411	7,733	2,251	3,340	3,301	8,757	6,042	2,253
Below Normal (17%)	3,183	2,101	2,176	2,640	3,916	3,373	1,205	1,205	2,707	8,981	6,295	2,466
Dry (22%)	2,688	1,859	2,364	1,798	1,817	2,017	1,286	1,591	3,134	8,294	7,036	2,366
Critical (15%)	2,472	1,854	2,609	1,459	1,610	1,697	1,389	1,574	2,695	6,703	2,613	1,421

Alternative 7 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4,000	2,500	4,222	16,503	21,618	16,719	8,424	6,463	6,707	10,000	9,307	7,323
20%	4,000	2,500	2,358	7,638	15,272	11,337	3,488	4,320	5,890	10,000	7,803	7,006
30%	4,000	2,500	1,842	2,154	9,445	8,089	2,679	2,829	5,285	10,000	6,234	5,185
40%	4,000	2,500	1,700	1,700	3,700	5,095	1,892	2,156	4,112	8,893	5,249	4,415
50%	3,938	1,789	1,700	1,700	2,152	3,629	1,400	1,806	3,371	7,384	4,574	2,779
60%	2,968	1,700	1,700	1,700	1,700	2,150	1,000	1,409	2,911	6,304	4,107	2,115
70%	2,230	1,700	1,700	1,407	1,700	1,700	1,000	1,005	2,590	5,195	3,673	1,758
80%	1,700	1,200	1,237	960	1,200	1,700	1,000	1,000	2,340	3,919	3,008	1,208
90%	1,397	900	930	900	900	1,000	970	1,000	1,883	3,003	2,123	1,001
Long Term												
Full Simulation Period[a]	3,061	2,059	3,074	5,455	7,297	7,079	3,065	2,956	4,035	7,076	5,202	3,818
Water Year Types[b]												
Wet (32%)	3,219	2,505	5,527	13,052	16,549	14,548	6,403	4,889	4,629	8,000	5,398	6,955
Above Normal (15%)	2,840	1,877	3,010	3,867	7,513	9,566	2,164	3,405	5,282	9,111	6,520	4,732
Below Normal (17%)	3,207	1,904	1,525	1,496	2,106	2,573	1,160	1,415	3,550	8,619	6,870	2,281
Dry (22%)	3,012	1,764	1,754	1,419	1,573	1,805	1,496	1,638	2,687	5,541	3,501	1,196
Critical (15%)	2,840	1,901	1,611	1,255	1,676	1,575	1,312	2,092	4,091	3,538	4,063	1,832

Alternative 7 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	-1,679	-5,869	2,673	4,093	2,322	646	-3,820	581	121	1,636	3,894
20%	0	0	-1,892	-73	3,194	1,197	-347	-1,493	1,441	607	706	3,819
30%	24	0	-1,972	-2,269	849	1,254	-222	-223	1,379	1,052	-529	2,261
40%	379	253	-1,364	-1,391	-1,011	-212	117	134	541	193	-1,093	1,735
50%	791	80	0	0	-1,488	-721	170	290	76	-1,071	-1,427	532
60%	477	0	0	0	0	-621	0	270	-75	-1,877	-763	520
70%	236	0	0	207	0	0	0	5	108	-2,452	702	485
80%	0	0	-119	-215	0	417	0	0	357	-2,616	946	208
90%	477	0	-84	0	0	200	168	0	625	-177	1,032	1
Long Term												
Full Simulation Period[a]	120	-290	-899	178	957	592	-8	-706	403	-599	267	1,617
Water Year Types[b]												
Wet (32%)	-237	-787	-1,630	1,794	4,083	1,654	-70	-2,639	-433	1,510	2,089	4,675
Above Normal (15%)	454	53	59	-566	103	1,834	-87	65	1,981	354	478	2,479
Below Normal (17%)	24	-197	-650	-1,144	-1,810	-800	-45	209	843	-361	576	-185
Dry (22%)	324	-96	-610	-379	-244	-212	210	47	-446	-2,753	-3,535	-1,170
Critical (15%)	368	47	-998	-204	66	-122	-77	518	1,396	-3,165	1,450	411

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-17-12. Feather River d/s of Thermalito, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4,000	4,179	10,091	13,829	17,525	14,397	7,778	10,283	6,126	9,879	7,670	3,429
20%	4,000	2,500	4,250	7,711	12,078	10,140	3,835	5,812	4,449	9,393	7,097	3,187
30%	3,976	2,500	3,814	4,423	8,596	6,835	2,900	3,052	3,906	8,948	6,763	2,925
40%	3,621	2,247	3,064	3,091	4,711	5,308	1,774	2,022	3,570	8,700	6,341	2,680
50%	3,147	1,709	1,700	1,700	3,640	4,351	1,229	1,517	3,295	8,455	6,001	2,247
60%	2,491	1,700	1,700	1,700	1,700	2,771	1,000	1,139	2,985	8,181	4,870	1,595
70%	1,994	1,700	1,700	1,200	1,700	1,700	1,000	1,000	2,482	7,647	2,971	1,273
80%	1,700	1,200	1,356	1,175	1,200	1,283	1,000	1,000	1,982	6,536	2,061	1,000
90%	921	900	1,014	900	900	800	802	1,000	1,258	3,180	1,090	1,000
Long Term												
Full Simulation Period[a]	2,940	2,349	3,973	5,277	6,340	6,487	3,073	3,661	3,632	7,674	4,935	2,201
Water Year Types[b]												
Wet (32%)	3,456	3,292	7,157	11,257	12,466	12,895	6,472	7,528	5,062	6,490	3,308	2,280
Above Normal (15%)	2,386	1,824	2,951	4,434	7,411	7,733	2,251	3,340	3,301	8,757	6,042	2,253
Below Normal (17%)	3,183	2,101	2,176	2,640	3,916	3,373	1,205	1,205	2,707	8,981	6,295	2,466
Dry (22%)	2,688	1,859	2,364	1,798	1,817	2,017	1,286	1,591	3,134	8,294	7,036	2,366
Critical (15%)	2,472	1,854	2,609	1,459	1,610	1,697	1,389	1,574	2,695	6,703	2,613	1,421

Alternative 8 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,791	2,500	2,918	16,444	19,365	15,193	12,649	11,282	6,211	3,571	2,928	4,276
20%	2,518	2,500	2,154	12,436	12,339	12,537	11,505	9,304	3,850	3,243	2,626	3,700
30%	2,213	2,083	1,700	8,307	11,114	10,575	9,803	6,845	2,856	2,944	2,241	2,394
40%	1,927	1,700	1,700	5,395	9,819	8,713	8,432	6,182	2,599	2,719	2,073	1,801
50%	1,700	1,700	1,700	4,127	7,630	7,641	7,233	4,666	2,455	2,380	1,800	1,264
60%	1,700	1,360	1,700	2,618	5,501	6,905	6,110	4,024	2,208	2,089	1,679	1,145
70%	1,700	1,200	1,200	1,981	4,659	5,677	5,013	3,664	2,098	1,963	1,557	1,000
80%	1,200	900	900	1,377	3,797	4,935	4,226	2,740	1,897	1,725	1,177	1,000
90%	900	900	800	802	2,155	3,348	3,243	1,809	1,776	1,510	1,000	773
Long Term												
Full Simulation Period[a]	1,874	1,671	2,713	7,371	8,994	9,559	7,812	5,922	3,016	2,680	1,958	2,017
Water Year Types[b]												
Wet (32%)	2,021	1,934	5,338	15,693	15,609	15,495	10,993	9,237	4,456	3,245	2,046	3,680
Above Normal (15%)	2,106	1,711	1,655	6,555	10,262	10,896	9,113	6,578	2,808	2,910	2,367	1,922
Below Normal (17%)	1,899	1,496	1,429	3,568	5,745	6,571	8,015	5,348	2,456	2,168	1,994	1,044
Dry (22%)	1,834	1,580	1,567	2,626	5,295	6,545	5,647	3,539	2,032	1,931	1,724	984
Critical (15%)	1,355	1,405	1,299	1,711	2,733	3,365	2,630	2,332	2,232	2,948	1,668	1,193

Alternative 8 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-1,209	-1,679	-7,173	2,614	1,840	796	4,871	999	85	-6,308	-4,743	847
20%	-1,482	0	-2,095	4,725	261	2,397	7,670	3,492	-599	-6,150	-4,471	513
30%	-1,763	-417	-2,114	3,884	2,518	3,740	6,903	3,793	-1,050	-6,004	-4,522	-531
40%	-1,693	-547	-1,364	2,304	5,108	3,405	6,657	4,160	-971	-5,981	-4,269	-879
50%	-1,447	-9	0	2,427	3,990	3,290	6,004	3,150	-840	-6,075	-4,201	-983
60%	-791	-340	0	918	3,801	4,135	5,110	2,885	-777	-6,092	-3,191	-450
70%	-294	-500	-500	781	2,959	3,977	4,013	2,664	-384	-5,684	-1,414	-273
80%	-500	-300	-456	201	2,597	3,652	3,226	1,740	-85	-4,811	-884	0
90%	-21	0	-214	-98	1,255	2,548	2,441	809	518	-1,670	-90	-227
Long Term												
Full Simulation Period[a]	-1,066	-678	-1,260	2,094	2,654	3,071	4,739	2,261	-616	-4,994	-2,977	-184
Water Year Types[b]												
Wet (32%)	-1,435	-1,358	-1,819	4,436	3,143	2,601	4,520	1,709	-605	-3,246	-1,262	1,400
Above Normal (15%)	-280	-113	-1,295	2,121	2,851	3,163	6,862	3,238	-493	-5,847	-3,675	-330
Below Normal (17%)	-1,284	-606	-747	928	1,829	3,198	6,810	4,142	-250	-6,813	-4,301	-1,422
Dry (22%)	-855	-279	-796	827	3,479	4,528	4,361	1,947	-1,101	-6,363	-5,313	-1,382
Critical (15%)	-1,116	-449	-1,309	251	1,122	1,668	1,241	758	-463	-3,755	-945	-228

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-17-13. Feather River d/s of Thermalito, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4,000	4,179	10,091	13,829	17,525	14,397	7,778	10,283	6,126	9,879	7,670	3,429
20%	4,000	2,500	4,250	7,711	12,078	10,140	3,835	5,812	4,449	9,393	7,097	3,187
30%	3,976	2,500	3,814	4,423	8,596	6,835	2,900	3,052	3,906	8,948	6,763	2,925
40%	3,621	2,247	3,064	3,091	4,711	5,308	1,774	2,022	3,570	8,700	6,341	2,680
50%	3,147	1,709	1,700	1,700	3,640	4,351	1,229	1,517	3,295	8,455	6,001	2,247
60%	2,491	1,700	1,700	1,700	1,700	2,771	1,000	1,139	2,985	8,181	4,870	1,595
70%	1,994	1,700	1,700	1,200	1,700	1,700	1,000	1,000	2,482	7,647	2,971	1,273
80%	1,700	1,200	1,356	1,175	1,200	1,283	1,000	1,000	1,982	6,536	2,061	1,000
90%	921	900	1,014	900	900	800	802	1,000	1,258	3,180	1,090	1,000
Long Term												
Full Simulation Period[a]	2,940	2,349	3,973	5,277	6,340	6,487	3,073	3,661	3,632	7,674	4,935	2,201
Water Year Types[b]												
Wet (32%)	3,456	3,292	7,157	11,257	12,466	12,895	6,472	7,528	5,062	6,490	3,308	2,280
Above Normal (15%)	2,386	1,824	2,951	4,434	7,411	7,733	2,251	3,340	3,301	8,757	6,042	2,253
Below Normal (17%)	3,183	2,101	2,176	2,640	3,916	3,373	1,205	1,205	2,707	8,981	6,295	2,466
Dry (22%)	2,688	1,859	2,364	1,798	1,817	2,017	1,286	1,591	3,134	8,294	7,036	2,366
Critical (15%)	2,472	1,854	2,609	1,459	1,610	1,697	1,389	1,574	2,695	6,703	2,613	1,421

Alternative 9 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4,000	2,512	4,545	14,819	20,314	15,885	8,424	6,262	4,855	10,000	7,579	9,939
20%	4,000	2,500	3,249	2,817	12,666	11,799	3,995	4,706	4,414	9,848	7,279	8,797
30%	4,000	2,500	2,726	2,086	6,829	8,081	3,170	3,994	4,064	9,413	7,093	7,999
40%	3,753	2,500	2,090	1,700	3,244	4,865	2,239	3,390	3,868	8,933	6,853	5,992
50%	1,879	1,703	1,700	1,700	1,990	2,845	1,502	2,859	3,686	8,478	6,495	3,453
60%	1,700	1,700	1,700	1,700	1,700	1,875	1,000	2,544	3,403	8,124	6,106	2,318
70%	1,555	1,696	1,700	1,401	1,700	1,700	1,000	1,698	3,184	7,642	5,645	1,121
80%	1,200	1,200	1,222	1,200	1,200	1,170	1,000	1,023	2,850	6,864	2,670	1,000
90%	911	930	930	900	900	800	993	1,000	2,311	2,701	1,397	1,000
Long Term												
Full Simulation Period[a]	2,572	2,032	2,895	4,979	6,447	6,822	3,181	3,473	3,593	7,730	5,619	4,691
Water Year Types[b]												
Wet (32%)	2,855	2,361	4,138	12,037	14,726	14,525	6,403	4,907	4,015	8,217	6,251	8,707
Above Normal (15%)	2,587	1,916	3,027	2,713	6,086	8,668	2,165	3,400	3,863	9,547	7,311	6,790
Below Normal (17%)	2,688	1,964	2,143	1,498	1,774	2,050	1,376	2,428	3,490	8,577	6,750	3,048
Dry (22%)	2,579	1,869	2,166	1,459	1,647	1,647	1,755	3,153	3,455	7,289	4,757	1,044
Critical (15%)	1,798	1,756	2,037	1,293	1,521	1,618	1,462	2,141	2,734	4,532	2,528	1,275

Alternative 9 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	-1,667	-5,546	990	2,789	1,488	646	-4,021	-1,271	121	-92	6,510
20%	0	0	-1,001	-4,895	588	1,660	160	-1,106	-34	455	182	5,610
30%	24	0	-1,088	-2,337	-1,767	1,246	270	942	158	465	330	5,074
40%	133	253	-974	-1,391	-1,467	-442	464	1,368	298	233	511	3,312
50%	-1,268	-6	0	0	-1,650	-1,505	273	1,343	391	23	494	1,206
60%	-791	0	0	0	0	-895	0	1,405	418	-57	1,236	723
70%	-439	-4	0	201	0	0	0	698	702	-5	2,674	-152
80%	-500	0	-133	25	0	-112	0	23	868	328	608	0
90%	-10	30	-84	0	0	0	191	0	1,053	-478	306	0
Long Term												
Full Simulation Period[a]	-368	-317	-1,078	-298	107	335	108	-188	-40	56	684	2,490
Water Year Types[b]												
Wet (32%)	-601	-931	-3,019	780	2,260	1,630	-70	-2,621	-1,046	1,727	2,943	6,427
Above Normal (15%)	200	92	77	-1,720	-1,325	935	-87	60	562	790	1,268	4,537
Below Normal (17%)	-494	-137	-32	-1,142	-2,142	-1,323	171	1,223	783	-404	455	582
Dry (22%)	-109	10	-198	-339	-170	-370	469	1,562	321	-1,006	-2,279	-1,322
Critical (15%)	-673	-97	-571	-167	-90	-79	73	567	39	-2,171	-85	-145

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-17-14. Feather River d/s of Thermalito, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4,000	2,505	4,618	14,816	20,547	15,985	8,424	6,279	4,845	10,000	7,691	9,042
20%	4,000	2,500	3,736	4,226	12,670	11,259	3,587	4,047	4,367	9,800	7,218	8,233
30%	4,000	2,500	2,502	2,152	4,539	8,097	2,954	3,015	4,001	9,574	7,036	7,724
40%	3,980	2,500	1,700	1,700	3,106	5,068	2,019	2,653	3,852	9,257	6,754	6,219
50%	3,390	1,700	1,700	1,700	2,007	2,657	1,364	2,202	3,617	8,959	6,626	3,408
60%	1,756	1,700	1,700	1,700	1,700	1,916	1,000	1,669	3,433	8,642	6,314	2,304
70%	1,658	1,598	1,700	1,350	1,700	1,700	1,000	1,070	3,267	8,287	5,812	1,362
80%	1,264	1,200	1,200	900	1,200	1,387	1,000	1,000	3,001	7,426	3,441	1,007
90%	999	946	900	900	900	820	787	1,000	2,337	4,762	1,130	1,000
Long Term												
Full Simulation Period[a]	2,747	2,058	2,837	4,995	6,444	6,902	3,084	3,005	3,628	8,157	5,634	4,601
Water Year Types[b]												
Wet (32%)	3,051	2,470	3,948	11,896	14,787	14,772	6,408	4,740	4,211	8,577	6,228	8,327
Above Normal (15%)	2,741	2,119	3,344	2,838	5,809	8,568	2,170	3,101	3,930	9,488	7,346	6,899
Below Normal (17%)	2,862	1,900	2,102	1,441	1,897	1,985	1,203	1,749	3,552	8,833	6,868	3,068
Dry (22%)	2,652	1,664	2,229	1,459	1,659	1,762	1,470	2,223	3,284	8,099	4,990	1,052
Critical (15%)	2,102	1,876	1,694	1,648	1,482	1,634	1,407	1,790	2,666	5,217	2,163	1,345

Alternative 1A,1B,1C (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4,000	2,500	8,556	18,065	21,972	16,705	8,424	7,853	7,916	9,563	8,114	2,463
20%	4,000	2,500	5,333	8,546	14,753	12,468	4,675	6,257	6,631	8,139	4,921	2,117
30%	4,000	2,500	3,959	4,207	9,798	8,596	3,931	4,304	5,843	6,817	4,536	1,724
40%	4,000	2,500	2,378	2,141	5,980	5,369	3,140	3,384	4,887	6,164	4,297	1,434
50%	4,000	1,734	1,826	1,700	3,702	4,098	2,443	2,929	4,396	5,798	3,974	1,267
60%	3,760	1,700	1,700	1,700	1,795	2,505	1,697	2,369	3,404	5,398	3,578	1,035
70%	2,891	1,700	1,700	1,564	1,700	1,700	1,035	1,636	2,977	3,383	3,177	1,000
80%	1,969	1,345	1,470	1,200	1,231	1,651	1,000	1,002	2,475	2,698	2,587	1,000
90%	1,420	1,180	1,200	900	900	1,000	1,000	1,000	2,046	2,103	1,362	1,000
Long Term												
Full Simulation Period[a]	3,256	2,160	4,012	6,118	7,699	7,396	3,627	3,798	4,667	5,597	4,159	1,518
Water Year Types[b]												
Wet (32%)	3,260	2,747	5,927	14,399	16,622	14,988	6,389	5,415	5,281	6,392	4,584	1,172
Above Normal (15%)	3,303	1,915	4,443	4,107	8,138	10,417	2,504	4,350	6,278	7,576	5,708	1,902
Below Normal (17%)	3,043	1,854	2,748	1,584	3,281	2,333	2,152	3,667	5,456	6,216	4,251	1,455
Dry (22%)	3,220	1,811	2,690	2,168	1,866	2,172	2,681	2,552	3,496	4,420	3,859	1,658
Critical (15%)	3,506	2,016	2,889	1,403	1,829	1,667	1,903	1,762	2,563	2,936	2,034	1,744

Alternative 1A,1B,1C (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	-5	3,938	3,249	1,425	720	0	1,574	3,071	-437	422	-6,579
20%	0	0	1,597	4,320	2,083	1,209	1,088	2,210	2,263	-1,661	-2,297	-6,116
30%	0	0	1,457	2,055	5,258	499	977	1,288	1,843	-2,757	-2,500	-6,000
40%	20	0	678	441	2,875	301	1,120	731	1,035	-3,093	-2,457	-4,784
50%	610	34	126	0	1,695	1,441	1,079	727	778	-3,161	-2,652	-2,141
60%	2,004	0	0	0	95	590	697	700	-30	-3,244	-2,736	-1,269
70%	1,233	102	0	214	0	0	35	566	-290	-4,904	-2,635	-362
80%	705	145	270	300	31	264	0	2	-525	-4,728	-854	-7
90%	421	234	300	0	0	180	213	0	-291	-2,659	232	0
Long Term												
Full Simulation Period[a]	509	103	1,175	1,124	1,255	493	543	793	1,040	-2,561	-1,475	-3,084
Water Year Types[b]												
Wet (32%)	209	277	1,979	2,503	1,835	216	-19	675	1,070	-2,185	-1,644	-7,155
Above Normal (15%)	562	-204	1,099	1,269	2,329	1,849	333	1,249	2,349	-1,912	-1,637	-4,997
Below Normal (17%)	181	-47	646	143	1,384	348	949	1,919	1,904	-2,616	-2,617	-1,613
Dry (22%)	568	147	461	709	206	410	1,211	328	212	-3,678	-1,131	606
Critical (15%)	1,404	140	1,195	-245	347	34	495	-28	-103	-2,281	-129	399

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-17-15. Feather River d/s of Thermalito, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4,000	2,505	4,618	14,816	20,547	15,985	8,424	6,279	4,845	10,000	7,691	9,042
20%	4,000	2,500	3,736	4,226	12,670	11,259	3,587	4,047	4,367	9,800	7,218	8,233
30%	4,000	2,500	2,502	2,152	4,539	8,097	2,954	3,015	4,001	9,574	7,036	7,724
40%	3,980	2,500	1,700	1,700	3,106	5,068	2,019	2,653	3,852	9,257	6,754	6,219
50%	3,390	1,700	1,700	1,700	2,007	2,657	1,364	2,202	3,617	8,959	6,626	3,408
60%	1,756	1,700	1,700	1,700	1,700	1,916	1,000	1,669	3,433	8,642	6,314	2,304
70%	1,658	1,598	1,700	1,350	1,700	1,700	1,000	1,070	3,267	8,287	5,812	1,362
80%	1,264	1,200	1,200	900	1,200	1,387	1,000	1,000	3,001	7,426	3,441	1,007
90%	999	946	900	900	900	820	787	1,000	2,337	4,762	1,130	1,000
Long Term												
Full Simulation Period[a]	2,747	2,058	2,837	4,995	6,444	6,902	3,084	3,005	3,628	8,157	5,634	4,601
Water Year Types[b]												
Wet (32%)	3,051	2,470	3,948	11,896	14,787	14,772	6,408	4,740	4,211	8,577	6,228	8,327
Above Normal (15%)	2,741	2,119	3,344	2,838	5,809	8,568	2,170	3,101	3,930	9,488	7,346	6,899
Below Normal (17%)	2,862	1,900	2,102	1,441	1,897	1,985	1,203	1,749	3,552	8,833	6,868	3,068
Dry (22%)	2,652	1,664	2,229	1,459	1,659	1,762	1,470	2,223	3,284	8,099	4,990	1,052
Critical (15%)	2,102	1,876	1,694	1,648	1,482	1,634	1,407	1,790	2,666	5,217	2,163	1,345

Alternative 2A,2B,2C (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4,000	2,500	4,601	14,810	21,516	17,074	8,524	7,571	10,615	10,000	8,188	7,565
20%	4,000	2,500	3,394	5,066	14,755	11,238	4,143	5,345	8,805	9,213	5,895	6,877
30%	4,000	2,500	2,266	2,134	7,713	8,321	3,395	4,137	7,081	8,261	4,964	5,952
40%	4,000	2,500	1,717	1,700	4,230	4,999	2,794	3,233	5,948	7,469	4,453	4,697
50%	4,000	1,720	1,700	1,700	1,994	3,296	1,863	2,710	4,660	6,483	4,021	2,764
60%	3,506	1,700	1,700	1,700	1,700	1,991	1,028	2,173	3,465	5,772	3,606	1,744
70%	1,782	1,700	1,700	1,642	1,700	1,700	1,000	1,419	3,155	5,310	3,134	1,308
80%	1,570	1,200	1,331	960	1,200	1,700	1,000	1,000	2,847	3,077	2,598	1,000
90%	1,200	926	930	900	900	958	1,000	1,000	2,210	2,259	1,445	1,000
Long Term												
Full Simulation Period[a]	3,035	2,011	3,028	4,777	7,063	7,015	3,400	3,608	5,521	6,380	4,356	3,835
Water Year Types[b]												
Wet (32%)	3,116	2,391	4,617	11,116	16,021	14,470	6,399	5,235	6,376	7,045	4,726	7,231
Above Normal (15%)	3,221	1,858	3,096	2,817	7,114	9,783	2,208	4,116	8,043	8,900	5,770	5,215
Below Normal (17%)	2,747	1,824	2,268	1,483	2,166	1,824	1,696	3,052	6,311	7,605	5,249	1,470
Dry (22%)	3,090	1,737	2,173	1,709	1,617	1,915	2,284	2,580	3,865	4,787	3,620	1,275
Critical (15%)	2,924	1,970	1,684	1,444	1,488	1,804	1,756	1,768	2,709	3,378	2,208	1,693

Alternative 2A,2B,2C (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	-5	-17	-6	969	1,089	100	1,292	5,771	0	496	-1,477
20%	0	0	-342	840	2,084	-22	556	1,298	4,438	-586	-1,322	-1,355
30%	0	0	-235	-18	3,174	224	442	1,122	3,081	-1,313	-2,072	-1,771
40%	20	0	17	0	1,124	-69	774	579	2,096	-1,788	-2,301	-1,521
50%	610	20	0	0	-13	639	499	509	1,043	-2,476	-2,604	-644
60%	1,750	0	0	0	0	75	28	504	31	-2,871	-2,708	-560
70%	124	102	0	292	0	0	0	349	-112	-2,977	-2,678	-54
80%	305	0	131	60	0	313	0	0	-153	-4,349	-843	-7
90%	201	-20	30	0	0	138	213	0	-128	-2,503	315	0
Long Term												
Full Simulation Period[a]	288	-47	190	-218	620	113	316	603	1,894	-1,777	-1,278	-767
Water Year Types[b]												
Wet (32%)	65	-79	669	-779	1,233	-302	-9	495	2,165	-1,532	-1,503	-1,096
Above Normal (15%)	479	-261	-248	-21	1,306	1,215	38	1,014	4,114	-588	-1,576	-1,684
Below Normal (17%)	-114	-76	166	42	270	-161	492	1,303	2,760	-1,228	-1,619	-1,598
Dry (22%)	438	73	-56	250	-43	153	814	356	581	-3,312	-1,371	223
Critical (15%)	822	94	-10	-204	7	170	349	-22	43	-1,839	45	349

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-17-16. Feather River d/s of Thermalito, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4,000	2,505	4,618	14,816	20,547	15,985	8,424	6,279	4,845	10,000	7,691	9,042
20%	4,000	2,500	3,736	4,226	12,670	11,259	3,587	4,047	4,367	9,800	7,218	8,233
30%	4,000	2,500	2,502	2,152	4,539	8,097	2,954	3,015	4,001	9,574	7,036	7,724
40%	3,980	2,500	1,700	1,700	3,106	5,068	2,019	2,653	3,852	9,257	6,754	6,219
50%	3,390	1,700	1,700	1,700	2,007	2,657	1,364	2,202	3,617	8,959	6,626	3,408
60%	1,756	1,700	1,700	1,700	1,700	1,916	1,000	1,669	3,433	8,642	6,314	2,304
70%	1,658	1,598	1,700	1,350	1,700	1,700	1,000	1,070	3,267	8,287	5,812	1,362
80%	1,264	1,200	1,200	900	1,200	1,387	1,000	1,000	3,001	7,426	3,441	1,007
90%	999	946	900	900	900	820	787	1,000	2,337	4,762	1,130	1,000
Long Term												
Full Simulation Period[a]	2,747	2,058	2,837	4,995	6,444	6,902	3,084	3,005	3,628	8,157	5,634	4,601
Water Year Types[b]												
Wet (32%)	3,051	2,470	3,948	11,896	14,787	14,772	6,408	4,740	4,211	8,577	6,228	8,327
Above Normal (15%)	2,741	2,119	3,344	2,838	5,809	8,568	2,170	3,101	3,930	9,488	7,346	6,899
Below Normal (17%)	2,862	1,900	2,102	1,441	1,897	1,985	1,203	1,749	3,552	8,833	6,868	3,068
Dry (22%)	2,652	1,664	2,229	1,459	1,659	1,762	1,470	2,223	3,284	8,099	4,990	1,052
Critical (15%)	2,102	1,876	1,694	1,648	1,482	1,634	1,407	1,790	2,666	5,217	2,163	1,345

Alternative 3 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4,000	2,500	8,450	18,065	21,976	16,494	8,424	7,187	7,601	10,000	7,897	2,434
20%	4,000	2,500	4,956	9,198	14,946	12,468	4,138	6,023	6,221	9,021	5,206	2,168
30%	4,000	2,500	3,636	5,537	9,609	8,319	3,576	4,210	5,739	7,693	4,635	1,740
40%	4,000	2,500	2,382	2,211	5,305	5,398	3,186	3,215	4,900	6,667	4,259	1,475
50%	4,000	1,941	1,761	1,700	3,079	4,180	2,315	2,829	4,038	5,865	3,996	1,228
60%	3,996	1,700	1,700	1,700	1,835	2,732	1,697	2,277	3,323	5,360	3,647	1,011
70%	3,041	1,700	1,700	1,700	1,700	1,700	1,000	1,574	2,860	3,885	3,129	1,000
80%	2,038	1,406	1,615	1,200	1,200	1,700	1,000	1,002	2,461	2,415	2,239	1,000
90%	1,376	1,179	973	900	900	1,000	1,000	1,000	1,988	1,930	1,331	1,000
Long Term												
Full Simulation Period[a]	3,288	2,197	4,026	6,168	7,594	7,427	3,533	3,639	4,470	5,850	4,210	1,605
Water Year Types[b]												
Wet (32%)	3,421	2,780	5,987	14,347	16,515	15,093	6,442	5,280	5,284	6,557	4,552	1,323
Above Normal (15%)	3,415	1,944	4,499	4,175	7,670	10,085	2,351	4,176	5,795	7,751	5,586	2,299
Below Normal (17%)	2,946	1,836	2,907	1,679	3,059	2,275	2,049	3,007	4,904	6,779	5,216	1,569
Dry (22%)	3,112	1,937	2,739	2,414	2,207	2,311	2,369	2,628	3,341	4,501	3,441	1,494
Critical (15%)	3,536	1,998	2,542	1,312	1,560	1,846	1,887	1,803	2,570	3,353	2,071	1,730

Alternative 3 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	-5	3,832	3,249	1,429	509	0	909	2,757	0	206	-6,608
20%	0	0	1,220	4,972	2,275	1,209	551	1,976	1,854	-778	-2,012	-6,065
30%	0	0	1,135	3,385	5,070	222	622	1,195	1,738	-1,881	-2,402	-5,983
40%	20	0	682	511	2,200	330	1,167	562	1,049	-2,590	-2,495	-4,744
50%	610	241	61	0	1,073	1,523	952	628	420	-3,094	-2,630	-2,180
60%	2,240	0	0	0	135	817	697	607	-110	-3,282	-2,668	-1,294
70%	1,383	102	0	350	0	0	0	504	-407	-4,401	-2,683	-362
80%	774	206	415	300	0	313	0	2	-540	-5,011	-1,202	-7
90%	377	232	73	0	0	180	213	0	-349	-2,832	202	0
Long Term												
Full Simulation Period[a]	541	139	1,189	1,174	1,150	525	449	634	843	-2,308	-1,425	-2,997
Water Year Types[b]												
Wet (32%)	370	310	2,039	2,451	1,727	321	34	540	1,073	-2,020	-1,676	-7,004
Above Normal (15%)	673	-175	1,155	1,337	1,862	1,518	180	1,074	1,865	-1,737	-1,760	-4,601
Below Normal (17%)	84	-65	806	238	1,163	291	846	1,258	1,352	-2,053	-1,652	-1,499
Dry (22%)	460	273	510	955	548	550	899	404	57	-3,597	-1,549	442
Critical (15%)	1,434	122	848	-336	79	212	480	14	-96	-1,864	-92	385

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-17-17. Feather River d/s of Thermalito, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4,000	2,505	4,618	14,816	20,547	15,985	8,424	6,279	4,845	10,000	7,691	9,042
20%	4,000	2,500	3,736	4,226	12,670	11,259	3,587	4,047	4,367	9,800	7,218	8,233
30%	4,000	2,500	2,502	2,152	4,539	8,097	2,954	3,015	4,001	9,574	7,036	7,724
40%	3,980	2,500	1,700	1,700	3,106	5,068	2,019	2,653	3,852	9,257	6,754	6,219
50%	3,390	1,700	1,700	1,700	2,007	2,657	1,364	2,202	3,617	8,959	6,626	3,408
60%	1,756	1,700	1,700	1,700	1,700	1,916	1,000	1,669	3,433	8,642	6,314	2,304
70%	1,658	1,598	1,700	1,350	1,700	1,700	1,000	1,070	3,267	8,287	5,812	1,362
80%	1,264	1,200	1,200	900	1,200	1,387	1,000	1,000	3,001	7,426	3,441	1,007
90%	999	946	900	900	900	820	787	1,000	2,337	4,762	1,130	1,000
Long Term												
Full Simulation Period[a]	2,747	2,058	2,837	4,995	6,444	6,902	3,084	3,005	3,628	8,157	5,634	4,601
Water Year Types[b]												
Wet (32%)	3,051	2,470	3,948	11,896	14,787	14,772	6,408	4,740	4,211	8,577	6,228	8,327
Above Normal (15%)	2,741	2,119	3,344	2,838	5,809	8,568	2,170	3,101	3,930	9,488	7,346	6,899
Below Normal (17%)	2,862	1,900	2,102	1,441	1,897	1,985	1,203	1,749	3,552	8,833	6,868	3,068
Dry (22%)	2,652	1,664	2,229	1,459	1,659	1,762	1,470	2,223	3,284	8,099	4,990	1,052
Critical (15%)	2,102	1,876	1,694	1,648	1,482	1,634	1,407	1,790	2,666	5,217	2,163	1,345

Alternative 4 H1 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4,000	2,500	5,910	17,746	21,959	17,074	8,451	6,833	9,370	10,000	8,900	2,883
20%	4,000	2,500	4,447	6,850	14,923	12,468	4,173	5,189	7,774	10,000	6,846	2,039
30%	4,000	2,500	2,942	3,394	7,593	8,322	3,257	3,719	6,737	9,928	5,216	1,601
40%	4,000	2,500	2,061	1,700	5,231	5,504	2,653	2,858	5,747	8,569	4,543	1,389
50%	4,000	1,700	1,700	1,700	2,404	3,616	1,995	2,591	4,820	6,558	4,159	1,156
60%	3,418	1,700	1,700	1,700	1,700	2,101	1,059	1,971	3,476	5,627	3,830	1,000
70%	2,095	1,700	1,700	1,202	1,700	1,700	1,000	1,413	3,169	5,134	3,428	1,000
80%	1,700	1,427	1,222	900	1,200	1,700	1,000	1,000	2,646	3,784	2,842	1,000
90%	1,370	1,200	1,166	900	900	1,000	1,000	1,000	2,064	2,080	1,520	1,000
Long Term												
Full Simulation Period[a]	3,087	2,146	3,453	5,720	7,285	7,251	3,386	3,436	5,236	6,742	4,678	1,658
Water Year Types[b]												
Wet (32%)	3,243	2,790	5,293	13,569	16,167	14,854	6,402	5,021	6,031	7,629	5,025	1,208
Above Normal (15%)	3,287	1,906	3,361	3,673	7,609	10,269	2,280	3,914	6,963	9,241	5,930	2,318
Below Normal (17%)	2,950	1,873	2,616	1,387	2,763	2,061	1,762	2,526	6,303	7,746	5,739	1,670
Dry (22%)	2,970	1,796	2,062	1,802	1,676	1,955	2,134	2,638	3,875	5,551	4,257	1,713
Critical (15%)	2,887	1,837	2,622	1,691	1,404	1,759	1,731	1,779	2,582	2,933	2,066	1,875

Alternative 4 H1 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	-5	1,292	2,930	1,412	1,089	27	555	4,525	0	1,208	-6,159
20%	0	0	711	2,624	2,253	1,209	586	1,142	3,407	200	-371	-6,193
30%	0	0	440	1,242	3,054	225	303	704	2,737	354	-1,820	-6,123
40%	20	0	361	0	2,126	436	634	204	1,895	-688	-2,211	-4,829
50%	610	0	0	0	397	959	631	389	1,203	-2,401	-2,467	-2,253
60%	1,662	0	0	0	0	185	59	302	43	-3,016	-2,484	-1,304
70%	437	102	0	-148	0	0	0	343	-97	-3,153	-2,384	-362
80%	436	227	22	0	0	313	0	0	-354	-3,642	-600	-7
90%	370	254	266	0	0	180	213	0	-273	-2,682	390	0
Long Term												
Full Simulation Period[a]	340	89	616	725	841	349	302	430	1,608	-1,416	-957	-2,944
Water Year Types[b]												
Wet (32%)	192	320	1,345	1,674	1,380	82	-7	281	1,820	-948	-1,203	-7,118
Above Normal (15%)	546	-214	18	835	1,801	1,701	110	812	3,033	-247	-1,416	-4,582
Below Normal (17%)	88	-27	514	-54	866	76	559	778	2,751	-1,086	-1,129	-1,398
Dry (22%)	318	131	-167	343	16	193	664	415	591	-2,548	-733	661
Critical (15%)	785	-38	928	43	-78	126	324	-11	-84	-2,285	-97	531

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-17-18. Feather River d/s of Thermalito, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4,000	2,505	4,618	14,816	20,547	15,985	8,424	6,279	4,845	10,000	7,691	9,042
20%	4,000	2,500	3,736	4,226	12,670	11,259	3,587	4,047	4,367	9,800	7,218	8,233
30%	4,000	2,500	2,502	2,152	4,539	8,097	2,954	3,015	4,001	9,574	7,036	7,724
40%	3,980	2,500	1,700	1,700	3,106	5,068	2,019	2,653	3,852	9,257	6,754	6,219
50%	3,390	1,700	1,700	1,700	2,007	2,657	1,364	2,202	3,617	8,959	6,626	3,408
60%	1,756	1,700	1,700	1,700	1,700	1,916	1,000	1,669	3,433	8,642	6,314	2,304
70%	1,658	1,598	1,700	1,350	1,700	1,700	1,000	1,070	3,267	8,287	5,812	1,362
80%	1,264	1,200	1,200	900	1,200	1,387	1,000	1,000	3,001	7,426	3,441	1,007
90%	999	946	900	900	900	820	787	1,000	2,337	4,762	1,130	1,000
Long Term												
Full Simulation Period[a]	2,747	2,058	2,837	4,995	6,444	6,902	3,084	3,005	3,628	8,157	5,634	4,601
Water Year Types[b]												
Wet (32%)	3,051	2,470	3,948	11,896	14,787	14,772	6,408	4,740	4,211	8,577	6,228	8,327
Above Normal (15%)	2,741	2,119	3,344	2,838	5,809	8,568	2,170	3,101	3,930	9,488	7,346	6,899
Below Normal (17%)	2,862	1,900	2,102	1,441	1,897	1,985	1,203	1,749	3,552	8,833	6,868	3,068
Dry (22%)	2,652	1,664	2,229	1,459	1,659	1,762	1,470	2,223	3,284	8,099	4,990	1,052
Critical (15%)	2,102	1,876	1,694	1,648	1,482	1,634	1,407	1,790	2,666	5,217	2,163	1,345

Alternative 4 H2 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4,000	2,500	6,123	14,703	21,960	17,041	17,000	9,857	7,623	9,656	5,577	2,330
20%	4,000	2,500	3,386	9,513	13,700	12,114	12,858	6,978	6,191	7,788	4,820	1,984
30%	4,000	2,433	2,277	3,673	9,184	8,328	8,072	5,687	5,240	7,188	4,516	1,569
40%	3,991	1,786	1,700	1,828	6,202	5,486	3,176	4,361	3,923	6,370	4,153	1,308
50%	2,825	1,700	1,700	1,700	2,756	3,734	2,455	3,255	3,303	5,538	3,731	1,043
60%	2,214	1,700	1,700	1,700	1,700	2,265	1,921	2,472	2,849	4,750	3,357	1,000
70%	1,700	1,700	1,700	1,268	1,700	1,700	1,354	1,798	2,614	3,948	2,758	1,000
80%	1,603	1,357	1,200	900	1,200	1,700	1,000	1,239	2,036	2,864	2,264	1,000
90%	1,291	1,200	1,150	900	900	893	1,000	1,000	1,759	1,677	1,507	982
Long Term												
Full Simulation Period[a]	2,805	2,064	3,403	5,780	7,377	7,300	5,831	4,648	4,156	5,497	3,672	1,486
Water Year Types[b]												
Wet (32%)	2,873	2,648	6,461	13,308	15,655	14,943	9,816	7,370	4,093	5,684	3,300	1,119
Above Normal (15%)	2,718	1,769	1,816	3,798	8,383	9,610	6,591	5,420	4,390	5,931	4,505	1,573
Below Normal (17%)	2,816	1,757	2,108	1,862	3,752	2,681	6,390	3,807	5,558	6,721	4,550	1,212
Dry (22%)	2,607	1,604	1,849	1,810	1,548	1,969	2,059	2,773	4,020	5,420	3,687	1,564
Critical (15%)	3,031	2,143	2,207	1,976	1,407	1,814	1,443	1,771	2,626	3,348	2,599	2,398

Alternative 4 H2 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	-5	1,505	-113	1,413	1,057	8,576	3,578	2,778	-344	-2,114	-6,712
20%	0	0	-350	5,287	1,030	855	9,271	2,931	1,823	-2,012	-2,398	-6,249
30%	0	-67	-224	1,521	4,644	231	5,118	2,672	1,239	-2,386	-2,520	-6,155
40%	11	-714	0	128	3,097	419	1,157	1,707	71	-2,887	-2,601	-4,911
50%	-565	0	0	0	749	1,077	1,091	1,053	-314	-3,421	-2,895	-2,366
60%	458	0	0	0	0	349	921	802	-584	-3,892	-2,958	-1,304
70%	42	102	0	-82	0	0	354	728	-652	-4,338	-3,054	-362
80%	339	157	0	0	0	313	0	239	-965	-4,563	-1,177	-7
90%	292	254	250	0	0	73	213	0	-578	-3,085	377	-18
Long Term												
Full Simulation Period[a]	58	6	566	785	933	398	2,747	1,643	528	-2,660	-1,962	-3,115
Water Year Types[b]												
Wet (32%)	-178	178	2,513	1,413	868	171	3,408	2,630	-117	-2,893	-2,928	-7,208
Above Normal (15%)	-23	-351	-1,528	960	2,574	1,042	4,421	2,319	461	-3,557	-2,841	-5,327
Below Normal (17%)	-46	-143	6	421	1,855	697	5,187	2,058	2,006	-2,112	-2,318	-1,856
Dry (22%)	-45	-61	-380	351	-111	207	589	550	736	-2,679	-1,304	512
Critical (15%)	929	267	513	328	-75	180	36	-18	-40	-1,870	436	1,053

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-17-19. Feather River d/s of Thermalito, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4,000	2,505	4,618	14,816	20,547	15,985	8,424	6,279	4,845	10,000	7,691	9,042
20%	4,000	2,500	3,736	4,226	12,670	11,259	3,587	4,047	4,367	9,800	7,218	8,233
30%	4,000	2,500	2,502	2,152	4,539	8,097	2,954	3,015	4,001	9,574	7,036	7,724
40%	3,980	2,500	1,700	1,700	3,106	5,068	2,019	2,653	3,852	9,257	6,754	6,219
50%	3,390	1,700	1,700	1,700	2,007	2,657	1,364	2,202	3,617	8,959	6,626	3,408
60%	1,756	1,700	1,700	1,700	1,700	1,916	1,000	1,669	3,433	8,642	6,314	2,304
70%	1,658	1,598	1,700	1,350	1,700	1,700	1,000	1,070	3,267	8,287	5,812	1,362
80%	1,264	1,200	1,200	900	1,200	1,387	1,000	1,000	3,001	7,426	3,441	1,007
90%	999	946	900	900	900	820	787	1,000	2,337	4,762	1,130	1,000
Long Term												
Full Simulation Period[a]	2,747	2,058	2,837	4,995	6,444	6,902	3,084	3,005	3,628	8,157	5,634	4,601
Water Year Types[b]												
Wet (32%)	3,051	2,470	3,948	11,896	14,787	14,772	6,408	4,740	4,211	8,577	6,228	8,327
Above Normal (15%)	2,741	2,119	3,344	2,838	5,809	8,568	2,170	3,101	3,930	9,488	7,346	6,899
Below Normal (17%)	2,862	1,900	2,102	1,441	1,897	1,985	1,203	1,749	3,552	8,833	6,868	3,068
Dry (22%)	2,652	1,664	2,229	1,459	1,659	1,762	1,470	2,223	3,284	8,099	4,990	1,052
Critical (15%)	2,102	1,876	1,694	1,648	1,482	1,634	1,407	1,790	2,666	5,217	2,163	1,345

Alternative 4 H3 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4,000	2,500	4,883	14,463	21,959	16,426	8,573	6,829	9,502	10,000	8,908	7,494
20%	4,000	2,500	3,165	4,703	14,768	11,238	4,142	5,089	8,415	10,000	6,304	6,872
30%	4,000	2,500	2,423	2,152	8,648	8,322	3,248	3,695	7,216	9,832	4,795	5,943
40%	4,000	2,500	1,772	1,700	4,229	4,598	2,528	3,183	6,087	8,773	4,554	4,434
50%	4,000	1,703	1,700	1,700	2,132	3,020	1,671	2,643	4,665	6,724	4,253	2,955
60%	3,052	1,700	1,700	1,700	1,700	2,072	1,023	2,086	3,498	5,893	3,678	1,740
70%	1,906	1,700	1,700	1,582	1,700	1,700	1,000	1,411	3,147	5,042	3,218	1,344
80%	1,468	1,200	1,389	900	1,200	1,700	1,000	1,000	2,883	3,338	2,647	1,000
90%	1,200	930	1,200	900	900	824	1,000	1,000	2,216	2,121	1,372	1,000
Long Term												
Full Simulation Period[a]	3,006	2,022	3,048	4,751	7,126	6,900	3,330	3,475	5,368	6,714	4,547	3,811
Water Year Types[b]												
Wet (32%)	3,087	2,391	4,456	11,023	16,276	14,401	6,399	5,060	6,423	7,849	5,037	7,049
Above Normal (15%)	3,163	1,916	2,864	2,874	6,955	9,456	2,180	3,929	7,008	9,427	5,955	5,142
Below Normal (17%)	2,895	1,904	2,029	1,419	2,145	1,598	1,728	2,780	6,365	7,843	5,550	1,790
Dry (22%)	3,101	1,782	2,221	1,556	1,636	1,930	2,036	2,563	3,790	5,117	3,743	1,266
Critical (15%)	2,656	1,829	2,610	1,721	1,516	1,729	1,637	1,762	2,648	2,618	2,116	1,638

Alternative 4 H3 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	-5	266	-353	1,413	441	149	550	4,658	0	1,217	-1,548
20%	0	0	-570	477	2,097	-22	555	1,042	4,048	200	-913	-1,361
30%	0	0	-78	0	4,109	225	294	680	3,215	258	-2,242	-1,781
40%	20	0	72	0	1,124	-470	509	530	2,235	-484	-2,200	-1,784
50%	610	3	0	0	126	363	307	441	1,047	-2,234	-2,372	-454
60%	1,296	0	0	0	0	156	23	417	65	-2,749	-2,637	-564
70%	247	102	0	232	0	0	0	341	-120	-3,245	-2,594	-18
80%	204	0	189	0	0	313	0	0	-117	-4,089	-794	-7
90%	201	-16	300	0	0	4	213	0	-121	-2,641	242	0
Long Term												
Full Simulation Period[a]	258	-35	211	-243	682	-3	246	469	1,741	-1,444	-1,087	-791
Water Year Types[b]												
Wet (32%)	36	-79	508	-873	1,489	-371	-9	320	2,212	-728	-1,191	-1,278
Above Normal (15%)	422	-203	-480	36	1,146	888	10	828	3,079	-61	-1,391	-1,757
Below Normal (17%)	34	4	-73	-22	248	-387	524	1,032	2,813	-989	-1,318	-1,278
Dry (22%)	449	117	-8	97	-23	168	565	340	506	-2,981	-1,248	214
Critical (15%)	554	-47	916	73	34	95	230	-28	-18	-2,599	-47	294

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-17-20. Feather River d/s of Thermalito, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	4,000	2,505	4,618	14,816	20,547	15,985	8,424	6,279	4,845	10,000	7,691	9,042
20%	4,000	2,500	3,736	4,226	12,670	11,259	3,587	4,047	4,367	9,800	7,218	8,233
30%	4,000	2,500	2,502	2,152	4,539	8,097	2,954	3,015	4,001	9,574	7,036	7,724
40%	3,980	2,500	1,700	1,700	3,106	5,068	2,019	2,653	3,852	9,257	6,754	6,219
50%	3,390	1,700	1,700	1,700	2,007	2,657	1,364	2,202	3,617	8,959	6,626	3,408
60%	1,756	1,700	1,700	1,700	1,700	1,916	1,000	1,669	3,433	8,642	6,314	2,304
70%	1,658	1,598	1,700	1,350	1,700	1,700	1,000	1,070	3,267	8,287	5,812	1,362
80%	1,264	1,200	1,200	900	1,200	1,387	1,000	1,000	3,001	7,426	3,441	1,007
90%	999	946	900	900	900	820	787	1,000	2,337	4,762	1,130	1,000
Long Term												
Full Simulation Period[a]	2,747	2,058	2,837	4,995	6,444	6,902	3,084	3,005	3,628	8,157	5,634	4,601
Water Year Types[b]												
Wet (32%)	3,051	2,470	3,948	11,896	14,787	14,772	6,408	4,740	4,211	8,577	6,228	8,327
Above Normal (15%)	2,741	2,119	3,344	2,838	5,809	8,568	2,170	3,101	3,930	9,488	7,346	6,899
Below Normal (17%)	2,862	1,900	2,102	1,441	1,897	1,985	1,203	1,749	3,552	8,833	6,868	3,068
Dry (22%)	2,652	1,664	2,229	1,459	1,659	1,762	1,470	2,223	3,284	8,099	4,990	1,052
Critical (15%)	2,102	1,876	1,694	1,648	1,482	1,634	1,407	1,790	2,666	5,217	2,163	1,345

Alternative 4 H4 (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	4,000	2,500	4,548	14,681	21,028	15,991	17,000	9,829	8,057	9,304	5,716	7,477
20%	4,000	2,500	3,545	4,579	13,381	11,997	12,858	6,925	6,558	7,833	4,766	6,503
30%	4,000	2,500	2,338	2,130	9,297	8,231	8,072	5,712	4,570	7,272	4,414	5,188
40%	3,688	1,912	1,700	1,700	4,305	5,276	3,323	4,129	3,689	6,093	4,041	3,989
50%	2,950	1,700	1,700	1,700	2,265	3,323	2,450	3,201	3,226	5,571	3,554	2,760
60%	2,451	1,700	1,700	1,700	1,700	1,700	1,885	2,473	2,879	5,186	3,250	2,125
70%	1,738	1,700	1,700	1,318	1,700	1,700	1,354	1,813	2,601	3,853	2,407	1,765
80%	1,700	1,241	1,207	960	1,200	1,700	1,000	1,214	2,234	2,911	1,841	1,065
90%	1,259	1,200	944	900	900	932	1,000	1,000	1,788	1,755	1,065	865
Long Term												
Full Simulation Period[a]	2,814	2,016	2,983	5,106	6,971	7,054	5,846	4,577	4,130	5,494	3,453	3,620
Water Year Types[b]												
Wet (32%)	2,850	2,416	5,108	12,161	15,207	14,813	9,860	7,333	4,178	6,172	3,341	6,495
Above Normal (15%)	2,877	1,772	1,971	3,165	7,714	9,157	6,651	5,600	4,343	6,149	3,451	4,211
Below Normal (17%)	2,805	1,882	1,947	1,609	2,666	2,084	6,256	3,488	5,782	6,699	4,278	1,213
Dry (22%)	2,459	1,658	2,083	1,419	1,572	1,830	2,141	2,639	3,622	4,609	3,483	1,657
Critical (15%)	3,215	2,084	1,946	1,372	1,505	1,773	1,421	1,758	2,649	3,294	2,689	2,552

Alternative 4 H4 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	**0**	**-5**	**-69**	**-135**	481	6	8,576	3,550	3,212	**-696**	**-1,975**	**-1,565**
20%	0	0	**-191**	353	710	737	9,272	2,879	2,190	**-1,967**	**-2,451**	**-1,730**
30%	0	0	**-163**	**-21**	4,758	134	5,118	2,697	569	**-2,302**	**-2,623**	**-2,536**
40%	**-292**	**-588**	**0**	**0**	1,199	209	1,304	1,475	**-163**	**-3,164**	**-2,713**	**-2,230**
50%	**-440**	**0**	**0**	**0**	259	666	1,087	999	**-391**	**-3,388**	**-3,071**	**-648**
60%	695	**0**	0	0	**0**	**-216**	885	804	**-554**	**-3,456**	**-3,064**	**-179**
70%	80	102	0	**-32**	0	0	354	743	**-666**	**-4,433**	**-3,405**	403
80%	436	41	7	60	**0**	313	0	214	**-767**	**-4,516**	**-1,600**	58
90%	260	254	44	0	0	112	213	0	**-549**	**-3,007**	**-65**	**-135**
Long Term												
Full Simulation Period[a]	67	**-42**	145	111	528	152	2,762	1,572	503	**-2,663**	**-2,182**	**-982**
Water Year Types[b]												
Wet (32%)	**-201**	**-54**	1,160	265	420	41	3,452	2,593	**-33**	**-2,405**	**-2,888**	**-1,832**
Above Normal (15%)	136	**-348**	**-1,373**	327	1,905	589	4,481	2,499	413	**-3,339**	**-3,895**	**-2,688**
Below Normal (17%)	**-56**	**-18**	**-155**	168	770	100	5,052	1,739	2,231	**-2,133**	**-2,590**	**-1,855**
Dry (22%)	**-193**	**-6**	**-146**	**-40**	**-87**	68	671	416	338	**-3,490**	**-1,507**	605
Critical (15%)	1,113	208	252	**-276**	23	140	14	**-31**	**-16**	**-1,924**	526	1,207

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-17-21. Feather River d/s of Thermalito, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4,000	2,505	4,618	14,816	20,547	15,985	8,424	6,279	4,845	10,000	7,691	9,042
20%	4,000	2,500	3,736	4,226	12,670	11,259	3,587	4,047	4,367	9,800	7,218	8,233
30%	4,000	2,500	2,502	2,152	4,539	8,097	2,954	3,015	4,001	9,574	7,036	7,724
40%	3,980	2,500	1,700	1,700	3,106	5,068	2,019	2,653	3,852	9,257	6,754	6,219
50%	3,390	1,700	1,700	1,700	2,007	2,657	1,364	2,202	3,617	8,959	6,626	3,408
60%	1,756	1,700	1,700	1,700	1,700	1,916	1,000	1,669	3,433	8,642	6,314	2,304
70%	1,658	1,598	1,700	1,350	1,700	1,700	1,000	1,070	3,267	8,287	5,812	1,362
80%	1,264	1,200	1,200	900	1,200	1,387	1,000	1,000	3,001	7,426	3,441	1,007
90%	999	946	900	900	900	820	787	1,000	2,337	4,762	1,130	1,000
Long Term												
Full Simulation Period[a]	2,747	2,058	2,837	4,995	6,444	6,902	3,084	3,005	3,628	8,157	5,634	4,601
Water Year Types[b]												
Wet (32%)	3,051	2,470	3,948	11,896	14,787	14,772	6,408	4,740	4,211	8,577	6,228	8,327
Above Normal (15%)	2,741	2,119	3,344	2,838	5,809	8,568	2,170	3,101	3,930	9,488	7,346	6,899
Below Normal (17%)	2,862	1,900	2,102	1,441	1,897	1,985	1,203	1,749	3,552	8,833	6,868	3,068
Dry (22%)	2,652	1,664	2,229	1,459	1,659	1,762	1,470	2,223	3,284	8,099	4,990	1,052
Critical (15%)	2,102	1,876	1,694	1,648	1,482	1,634	1,407	1,790	2,666	5,217	2,163	1,345

Alternative 5 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4,000	2,500	5,183	14,861	21,065	17,084	8,424	6,267	7,182	10,000	9,439	5,416
20%	4,000	2,500	4,372	7,888	14,924	12,479	4,132	4,168	6,408	10,000	8,094	4,535
30%	4,000	2,500	2,934	2,342	6,923	8,417	3,182	3,134	5,537	10,000	6,596	3,650
40%	4,000	2,500	2,057	1,700	4,247	4,829	2,462	2,759	5,260	10,000	4,901	2,432
50%	4,000	1,700	1,700	1,700	2,480	2,852	1,798	2,120	4,594	10,000	4,109	1,583
60%	3,953	1,700	1,700	1,700	1,700	2,185	1,061	1,754	3,907	9,730	2,979	1,231
70%	2,120	1,700	1,700	1,581	1,700	1,700	1,000	1,226	3,374	7,145	2,294	1,000
80%	1,700	1,200	1,281	1,200	1,200	1,560	1,000	1,000	2,977	4,427	1,709	1,000
90%	1,283	903	1,200	900	900	987	1,000	1,000	2,472	2,674	1,353	832
Long Term												
Full Simulation Period[a]	3,159	1,983	3,191	4,992	7,134	7,138	3,304	3,071	4,635	7,958	4,697	2,767
Water Year Types[b]												
Wet (32%)	3,163	2,338	4,792	12,002	16,244	14,732	6,403	4,712	5,525	9,161	4,995	5,484
Above Normal (15%)	3,407	1,916	2,965	2,756	6,807	10,097	2,167	3,116	5,591	9,700	7,149	2,729
Below Normal (17%)	3,188	1,905	2,259	1,456	2,099	1,771	1,613	1,956	5,039	9,752	6,417	1,205
Dry (22%)	3,010	1,702	2,428	1,470	1,793	1,960	1,951	2,410	3,707	6,599	3,270	959
Critical (15%)	3,088	1,792	2,182	1,447	1,610	1,757	1,728	1,760	2,674	3,554	1,733	1,451

Alternative 5 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	-5	565	45	518	1,099	0	-12	2,338	0	1,748	-3,626
20%	0	0	636	3,662	2,253	1,220	545	121	2,041	200	877	-3,697
30%	0	0	433	190	2,383	320	228	118	1,536	426	-440	-4,074
40%	20	0	357	0	1,141	-238	443	105	1,408	743	-1,853	-3,787
50%	610	0	0	0	473	195	434	-82	976	1,041	-2,517	-1,825
60%	2,198	0	0	0	0	270	61	85	474	1,088	-3,335	-1,073
70%	461	102	0	231	0	0	0	156	108	-1,141	-3,518	-362
80%	436	0	81	300	0	173	0	0	-24	-2,999	-1,732	-7
90%	284	-44	300	0	0	167	213	0	135	-2,088	223	-168
Long Term												
Full Simulation Period[a]	412	-75	354	-2	691	236	221	66	1,008	-200	-937	-1,835
Water Year Types[b]												
Wet (32%)	112	-132	844	107	1,457	-40	-5	-28	1,315	583	-1,233	-2,843
Above Normal (15%)	666	-203	-379	-82	999	1,529	-3	15	1,661	212	-197	-4,170
Below Normal (17%)	326	5	157	15	202	-214	410	207	1,487	919	-451	-1,863
Dry (22%)	358	38	198	12	133	198	481	187	423	-1,499	-1,721	-93
Critical (15%)	986	-83	488	-201	128	123	321	-30	8	-1,663	-430	107

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-17-22. Feather River d/s of Thermalito, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	4,000	2,505	4,618	14,816	20,547	15,985	8,424	6,279	4,845	10,000	7,691	9,042
20%	4,000	2,500	3,736	4,226	12,670	11,259	3,587	4,047	4,367	9,800	7,218	8,233
30%	4,000	2,500	2,502	2,152	4,539	8,097	2,954	3,015	4,001	9,574	7,036	7,724
40%	3,980	2,500	1,700	1,700	3,106	5,068	2,019	2,653	3,852	9,257	6,754	6,219
50%	3,390	1,700	1,700	1,700	2,007	2,657	1,364	2,202	3,617	8,959	6,626	3,408
60%	1,756	1,700	1,700	1,700	1,700	1,916	1,000	1,669	3,433	8,642	6,314	2,304
70%	1,658	1,598	1,700	1,350	1,700	1,700	1,000	1,070	3,267	8,287	5,812	1,362
80%	1,264	1,200	1,200	900	1,200	1,387	1,000	1,000	3,001	7,426	3,441	1,007
90%	999	946	900	900	900	820	787	1,000	2,337	4,762	1,130	1,000
Long Term												
Full Simulation Period[a]	2,747	2,058	2,837	4,995	6,444	6,902	3,084	3,005	3,628	8,157	5,634	4,601
Water Year Types[b]												
Wet (32%)	3,051	2,470	3,948	11,896	14,787	14,772	6,408	4,740	4,211	8,577	6,228	8,327
Above Normal (15%)	2,741	2,119	3,344	2,838	5,809	8,568	2,170	3,101	3,930	9,488	7,346	6,899
Below Normal (17%)	2,862	1,900	2,102	1,441	1,897	1,985	1,203	1,749	3,552	8,833	6,868	3,068
Dry (22%)	2,652	1,664	2,229	1,459	1,659	1,762	1,470	2,223	3,284	8,099	4,990	1,052
Critical (15%)	2,102	1,876	1,694	1,648	1,482	1,634	1,407	1,790	2,666	5,217	2,163	1,345

Alternative 6A,6B,6C (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	4,000	2,500	4,225	16,502	21,082	17,129	8,424	6,414	7,014	10,000	8,064	6,887
20%	4,000	2,500	2,370	8,262	13,893	12,474	3,572	4,606	5,413	9,056	7,060	6,278
30%	4,000	2,500	1,963	2,214	8,775	8,330	2,798	2,453	4,231	7,495	6,601	5,893
40%	4,000	2,500	1,700	1,700	4,701	5,366	2,001	2,141	3,191	6,763	5,646	5,412
50%	3,040	1,700	1,700	1,700	2,831	3,868	1,400	1,791	2,692	6,380	5,037	4,807
60%	1,700	1,700	1,700	1,700	1,700	1,827	1,000	1,335	2,478	5,521	4,744	4,234
70%	1,700	1,700	1,700	1,403	1,700	1,700	1,000	1,000	2,240	4,815	4,386	3,936
80%	1,200	1,200	1,200	960	1,200	1,452	1,000	1,000	2,037	4,250	4,010	3,352
90%	900	900	930	900	900	820	973	1,000	1,800	3,428	3,416	1,423
Long Term												
Full Simulation Period[a]	2,672	1,964	3,069	5,723	7,235	7,353	3,083	2,981	3,672	6,328	5,466	4,640
Water Year Types[b]												
Wet (32%)	2,931	2,332	5,759	14,106	16,041	14,991	6,400	5,140	4,489	6,793	5,332	5,961
Above Normal (15%)	2,514	1,833	2,430	3,389	8,154	10,819	2,165	3,069	4,879	7,971	6,532	4,994
Below Normal (17%)	2,829	1,906	1,527	1,497	2,108	2,062	1,237	1,745	3,851	8,230	7,160	5,098
Dry (22%)	2,491	1,671	1,822	1,437	1,592	1,980	1,520	1,687	2,280	4,600	4,885	3,990
Critical (15%)	2,360	1,803	1,552	1,253	1,678	1,573	1,312	1,597	2,573	4,048	3,583	1,862

Alternative 6A,6B,6C (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	**0**	**-5**	**-393**	1,686	535	1,144	**0**	135	2,170	0	373	**-2,155**
20%	0	0	**-1,366**	4,036	1,222	1,214	**-15**	560	1,046	**-744**	**-157**	**-1,954**
30%	0	0	**-538**	62	4,235	233	**-156**	**-563**	230	**-2,079**	**-435**	**-1,831**
40%	20	0	**0**	0	1,596	299	**-18**	**-513**	**-661**	**-2,494**	**-1,108**	**-807**
50%	**-349**	0	0	0	824	1,211	36	**-411**	**-926**	**-2,579**	**-1,589**	1,399
60%	**-56**	**0**	0	0	0	**-89**	0	**-334**	**-955**	**-3,121**	**-1,571**	1,930
70%	42	102	0	53	0	0	0	**-70**	**-1,027**	**-3,471**	**-1,426**	2,575
80%	**-64**	**0**	0	60	**0**	65	0	**0**	**-964**	**-3,177**	569	2,345
90%	**-99**	**-46**	30	0	0	0	186	0	**-537**	**-1,334**	2,287	423
Long Term												
Full Simulation Period[a]	**-75**	**-94**	232	728	791	451	**-1**	**-25**	44	**-1,830**	**-169**	38
Water Year Types[b]												
Wet (32%)	**-120**	**-138**	1,811	2,210	1,254	219	**-8**	400	278	**-1,784**	**-896**	**-2,366**
Above Normal (15%)	**-228**	**-286**	**-913**	551	2,346	2,251	**-6**	**-32**	949	**-1,517**	**-814**	**-1,905**
Below Normal (17%)	**-32**	6	**-574**	56	212	77	34	**-3**	300	**-603**	292	2,030
Dry (22%)	**-161**	7	**-408**	**-21**	**-68**	218	50	**-536**	**-1,004**	**-3,499**	**-106**	2,938
Critical (15%)	258	**-73**	**-142**	**-395**	196	**-61**	**-95**	**-193**	**-93**	**-1,169**	1,420	517

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-17-23. Feather River d/s of Thermalito, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4,000	2,505	4,618	14,816	20,547	15,985	8,424	6,279	4,845	10,000	7,691	9,042
20%	4,000	2,500	3,736	4,226	12,670	11,259	3,587	4,047	4,367	9,800	7,218	8,233
30%	4,000	2,500	2,502	2,152	4,539	8,097	2,954	3,015	4,001	9,574	7,036	7,724
40%	3,980	2,500	1,700	1,700	3,106	5,068	2,019	2,653	3,852	9,257	6,754	6,219
50%	3,390	1,700	1,700	1,700	2,007	2,657	1,364	2,202	3,617	8,959	6,626	3,408
60%	1,756	1,700	1,700	1,700	1,700	1,916	1,000	1,669	3,433	8,642	6,314	2,304
70%	1,658	1,598	1,700	1,350	1,700	1,700	1,000	1,070	3,267	8,287	5,812	1,362
80%	1,264	1,200	1,200	900	1,200	1,387	1,000	1,000	3,001	7,426	3,441	1,007
90%	999	946	900	900	900	820	787	1,000	2,337	4,762	1,130	1,000
Long Term												
Full Simulation Period[a]	2,747	2,058	2,837	4,995	6,444	6,902	3,084	3,005	3,628	8,157	5,634	4,601
Water Year Types[b]												
Wet (32%)	3,051	2,470	3,948	11,896	14,787	14,772	6,408	4,740	4,211	8,577	6,228	8,327
Above Normal (15%)	2,741	2,119	3,344	2,838	5,809	8,568	2,170	3,101	3,930	9,488	7,346	6,899
Below Normal (17%)	2,862	1,900	2,102	1,441	1,897	1,985	1,203	1,749	3,552	8,833	6,868	3,068
Dry (22%)	2,652	1,664	2,229	1,459	1,659	1,762	1,470	2,223	3,284	8,099	4,990	1,052
Critical (15%)	2,102	1,876	1,694	1,648	1,482	1,634	1,407	1,790	2,666	5,217	2,163	1,345

Alternative 7 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4,000	2,500	4,222	16,503	21,618	16,719	8,424	6,463	6,707	10,000	9,307	7,323
20%	4,000	2,500	2,358	7,638	15,272	11,337	3,488	4,320	5,890	10,000	7,803	7,006
30%	4,000	2,500	1,842	2,154	9,445	8,089	2,679	2,829	5,285	10,000	6,234	5,185
40%	4,000	2,500	1,700	1,700	3,700	5,095	1,892	2,156	4,112	8,893	5,249	4,415
50%	3,938	1,789	1,700	1,700	2,152	3,629	1,400	1,806	3,371	7,384	4,574	2,779
60%	2,968	1,700	1,700	1,700	1,700	2,150	1,000	1,409	2,911	6,304	4,107	2,115
70%	2,230	1,700	1,700	1,407	1,700	1,700	1,000	1,005	2,590	5,195	3,673	1,758
80%	1,700	1,200	1,237	960	1,200	1,700	1,000	1,000	2,340	3,919	3,008	1,208
90%	1,397	900	930	900	900	1,000	970	1,000	1,883	3,003	2,123	1,001
Long Term												
Full Simulation Period[a]	3,061	2,059	3,074	5,455	7,297	7,079	3,065	2,956	4,035	7,076	5,202	3,818
Water Year Types[b]												
Wet (32%)	3,219	2,505	5,527	13,052	16,549	14,548	6,403	4,889	4,629	8,000	5,398	6,955
Above Normal (15%)	2,840	1,877	3,010	3,867	7,513	9,566	2,164	3,405	5,282	9,111	6,520	4,732
Below Normal (17%)	3,207	1,904	1,525	1,496	2,106	2,573	1,160	1,415	3,550	8,619	6,870	2,281
Dry (22%)	3,012	1,764	1,754	1,419	1,573	1,805	1,496	1,638	2,687	5,541	3,501	1,196
Critical (15%)	2,840	1,901	1,611	1,255	1,676	1,575	1,312	2,092	4,091	3,538	4,063	1,832

Alternative 7 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	-5	-396	1,687	1,071	734	0	184	1,862	0	1,616	-1,719
20%	0	0	-1,378	3,412	2,601	77	-99	273	1,523	200	586	-1,227
30%	0	0	-659	2	4,906	-8	-275	-187	1,285	426	-802	-2,538
40%	20	0	0	0	595	28	-127	-497	260	-364	-1,505	-1,803
50%	548	89	0	0	146	972	36	-395	-246	-1,575	-2,052	-630
60%	1,212	0	0	0	0	234	0	-261	-523	-2,338	-2,207	-190
70%	572	102	0	57	0	0	0	-65	-676	-3,091	-2,139	396
80%	436	0	37	60	0	313	0	0	-661	-3,507	-433	201
90%	398	-46	30	0	0	180	183	0	-454	-1,759	993	1
Long Term												
Full Simulation Period[a]	314	2	237	460	854	176	-18	-50	408	-1,082	-433	-784
Water Year Types[b]												
Wet (32%)	168	35	1,580	1,156	1,762	-224	-6	149	418	-577	-830	-1,372
Above Normal (15%)	99	-242	-334	1,029	1,705	999	-6	303	1,352	-377	-825	-2,168
Below Normal (17%)	345	4	-577	55	210	588	-43	-334	-2	-213	2	-788
Dry (22%)	360	99	-475	-40	-86	43	26	-585	-597	-2,557	-1,489	144
Critical (15%)	737	25	-83	-393	195	-59	-95	302	1,425	-1,679	1,900	487

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-17-24. Feather River d/s of Thermalito, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4,000	2,505	4,618	14,816	20,547	15,985	8,424	6,279	4,845	10,000	7,691	9,042
20%	4,000	2,500	3,736	4,226	12,670	11,259	3,587	4,047	4,367	9,800	7,218	8,233
30%	4,000	2,500	2,502	2,152	4,539	8,097	2,954	3,015	4,001	9,574	7,036	7,724
40%	3,980	2,500	1,700	1,700	3,106	5,068	2,019	2,653	3,852	9,257	6,754	6,219
50%	3,390	1,700	1,700	1,700	2,007	2,657	1,364	2,202	3,617	8,959	6,626	3,408
60%	1,756	1,700	1,700	1,700	1,700	1,916	1,000	1,669	3,433	8,642	6,314	2,304
70%	1,658	1,598	1,700	1,350	1,700	1,700	1,000	1,070	3,267	8,287	5,812	1,362
80%	1,264	1,200	1,200	900	1,200	1,387	1,000	1,000	3,001	7,426	3,441	1,007
90%	999	946	900	900	900	820	787	1,000	2,337	4,762	1,130	1,000
Long Term												
Full Simulation Period[a]	2,747	2,058	2,837	4,995	6,444	6,902	3,084	3,005	3,628	8,157	5,634	4,601
Water Year Types[b]												
Wet (32%)	3,051	2,470	3,948	11,896	14,787	14,772	6,408	4,740	4,211	8,577	6,228	8,327
Above Normal (15%)	2,741	2,119	3,344	2,838	5,809	8,568	2,170	3,101	3,930	9,488	7,346	6,899
Below Normal (17%)	2,862	1,900	2,102	1,441	1,897	1,985	1,203	1,749	3,552	8,833	6,868	3,068
Dry (22%)	2,652	1,664	2,229	1,459	1,659	1,762	1,470	2,223	3,284	8,099	4,990	1,052
Critical (15%)	2,102	1,876	1,694	1,648	1,482	1,634	1,407	1,790	2,666	5,217	2,163	1,345

Alternative 8 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,791	2,500	2,918	16,444	19,365	15,193	12,649	11,282	6,211	3,571	2,928	4,276
20%	2,518	2,500	2,154	12,436	12,339	12,537	11,505	9,304	3,850	3,243	2,626	3,700
30%	2,213	2,083	1,700	8,307	11,114	10,575	9,803	6,845	2,856	2,944	2,241	2,394
40%	1,927	1,700	1,700	5,395	9,819	8,713	8,432	6,182	2,599	2,719	2,073	1,801
50%	1,700	1,700	1,700	4,127	7,630	7,641	7,233	4,666	2,455	2,380	1,800	1,264
60%	1,700	1,360	1,700	2,618	5,501	6,905	6,110	4,024	2,208	2,089	1,679	1,145
70%	1,700	1,200	1,200	1,981	4,659	5,677	5,013	3,664	2,098	1,963	1,557	1,000
80%	1,200	900	900	1,377	3,797	4,935	4,226	2,740	1,897	1,725	1,177	1,000
90%	900	900	800	802	2,155	3,348	3,243	1,809	1,776	1,510	1,000	773
Long Term												
Full Simulation Period[a]	1,874	1,671	2,713	7,371	8,994	9,559	7,812	5,922	3,016	2,680	1,958	2,017
Water Year Types[b]												
Wet (32%)	2,021	1,934	5,338	15,693	15,609	15,495	10,993	9,237	4,456	3,245	2,046	3,680
Above Normal (15%)	2,106	1,711	1,655	6,555	10,262	10,896	9,113	6,578	2,808	2,910	2,367	1,922
Below Normal (17%)	1,899	1,496	1,429	3,568	5,745	6,571	8,015	5,348	2,456	2,168	1,994	1,044
Dry (22%)	1,834	1,580	1,567	2,626	5,295	6,545	5,647	3,539	2,032	1,931	1,724	984
Critical (15%)	1,355	1,405	1,299	1,711	2,733	3,365	2,630	2,332	2,232	2,948	1,668	1,193

Alternative 8 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-1,209	-5	-1,700	1,628	-1,182	-792	4,226	5,003	1,367	-6,429	-4,764	-4,765
20%	-1,482	0	-1,581	8,210	-331	1,277	7,918	5,257	-518	-6,557	-4,591	-4,533
30%	-1,787	-417	-802	6,155	6,574	2,478	6,850	3,830	-1,144	-6,630	-4,795	-5,330
40%	-2,053	-800	0	3,695	6,713	3,646	6,413	3,528	-1,253	-6,538	-4,681	-4,417
50%	-1,690	0	0	2,427	5,624	4,984	5,869	2,465	-1,162	-6,579	-4,826	-2,145
60%	-56	-340	0	918	3,801	4,990	5,110	2,355	-1,225	-6,554	-4,635	-1,160
70%	42	-398	-500	631	2,959	3,977	4,013	2,594	-1,168	-6,323	-4,255	-362
80%	-64	-300	-300	477	2,597	3,548	3,226	1,740	-1,103	-5,702	-2,264	-7
90%	-99	-46	-100	-98	1,255	2,528	2,456	809	-561	-3,252	-130	-227
Long Term												
Full Simulation Period[a]	-873	-386	-124	2,376	2,551	2,656	4,728	2,917	-612	-5,477	-3,676	-2,584
Water Year Types[b]												
Wet (32%)	-1,030	-536	1,390	3,798	822	723	4,584	4,497	246	-5,333	-4,182	-4,647
Above Normal (15%)	-635	-409	-1,688	3,717	4,453	2,328	6,943	3,476	-1,122	-6,578	-4,978	-4,977
Below Normal (17%)	-963	-405	-673	2,127	3,848	4,587	6,811	3,599	-1,095	-6,664	-4,874	-2,024
Dry (22%)	-819	-84	-662	1,167	3,636	4,783	4,177	1,315	-1,251	-6,168	-3,267	-68
Critical (15%)	-747	-470	-395	63	1,251	1,731	1,223	543	-434	-2,269	-495	-152

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-17-25. Feather River d/s of Thermalito, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4,000	2,505	4,618	14,816	20,547	15,985	8,424	6,279	4,845	10,000	7,691	9,042
20%	4,000	2,500	3,736	4,226	12,670	11,259	3,587	4,047	4,367	9,800	7,218	8,233
30%	4,000	2,500	2,502	2,152	4,539	8,097	2,954	3,015	4,001	9,574	7,036	7,724
40%	3,980	2,500	1,700	1,700	3,106	5,068	2,019	2,653	3,852	9,257	6,754	6,219
50%	3,390	1,700	1,700	1,700	2,007	2,657	1,364	2,202	3,617	8,959	6,626	3,408
60%	1,756	1,700	1,700	1,700	1,700	1,916	1,000	1,669	3,433	8,642	6,314	2,304
70%	1,658	1,598	1,700	1,350	1,700	1,700	1,000	1,070	3,267	8,287	5,812	1,362
80%	1,264	1,200	1,200	900	1,200	1,387	1,000	1,000	3,001	7,426	3,441	1,007
90%	999	946	900	900	900	820	787	1,000	2,337	4,762	1,130	1,000
Long Term												
Full Simulation Period[a]	2,747	2,058	2,837	4,995	6,444	6,902	3,084	3,005	3,628	8,157	5,634	4,601
Water Year Types[b]												
Wet (32%)	3,051	2,470	3,948	11,896	14,787	14,772	6,408	4,740	4,211	8,577	6,228	8,327
Above Normal (15%)	2,741	2,119	3,344	2,838	5,809	8,568	2,170	3,101	3,930	9,488	7,346	6,899
Below Normal (17%)	2,862	1,900	2,102	1,441	1,897	1,985	1,203	1,749	3,552	8,833	6,868	3,068
Dry (22%)	2,652	1,664	2,229	1,459	1,659	1,762	1,470	2,223	3,284	8,099	4,990	1,052
Critical (15%)	2,102	1,876	1,694	1,648	1,482	1,634	1,407	1,790	2,666	5,217	2,163	1,345

Alternative 9 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4,000	2,512	4,545	14,819	20,314	15,885	8,424	6,262	4,855	10,000	7,579	9,939
20%	4,000	2,500	3,249	2,817	12,666	11,799	3,995	4,706	4,414	9,848	7,279	8,797
30%	4,000	2,500	2,726	2,086	6,829	8,081	3,170	3,994	4,064	9,413	7,093	7,999
40%	3,753	2,500	2,090	1,700	3,244	4,865	2,239	3,390	3,868	8,933	6,853	5,992
50%	1,879	1,703	1,700	1,700	1,990	2,845	1,502	2,859	3,686	8,478	6,495	3,453
60%	1,700	1,700	1,700	1,700	1,700	1,875	1,000	2,544	3,403	8,124	6,106	2,318
70%	1,555	1,696	1,700	1,401	1,700	1,700	1,000	1,698	3,184	7,642	5,645	1,121
80%	1,200	1,200	1,222	1,200	1,200	1,170	1,000	1,023	2,850	6,864	2,670	1,000
90%	911	930	930	900	900	800	993	1,000	2,311	2,701	1,397	1,000
Long Term												
Full Simulation Period[a]	2,572	2,032	2,895	4,979	6,447	6,822	3,181	3,473	3,593	7,730	5,619	4,691
Water Year Types[b]												
Wet (32%)	2,855	2,361	4,138	12,037	14,726	14,525	6,403	4,907	4,015	8,217	6,251	8,707
Above Normal (15%)	2,587	1,916	3,027	2,713	6,086	8,668	2,165	3,400	3,863	9,547	7,311	6,790
Below Normal (17%)	2,688	1,964	2,143	1,498	1,774	2,050	1,376	2,428	3,490	8,577	6,750	3,048
Dry (22%)	2,579	1,869	2,166	1,459	1,647	1,647	1,755	3,153	3,455	7,289	4,757	1,044
Critical (15%)	1,798	1,756	2,037	1,293	1,521	1,618	1,462	2,141	2,734	4,532	2,528	1,275

Alternative 9 (LLT) minus No Action Alternative (LLT)

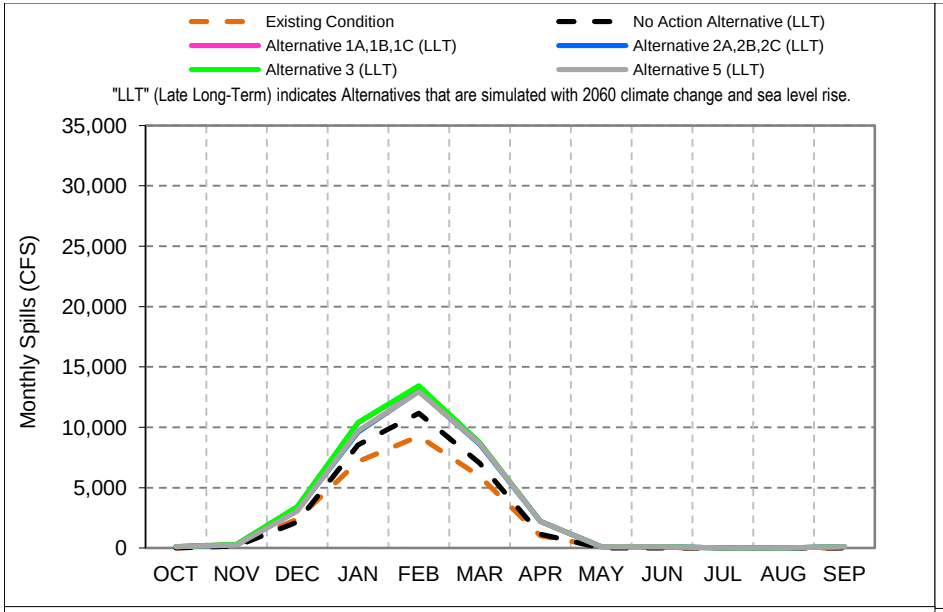
	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	6	-73	3	-233	-100	0	-17	11	0	-112	898
20%	0	0	-487	-1,409	-4	540	408	660	47	48	62	564
30%	0	0	225	-66	2,290	-16	217	978	64	-161	57	275
40%	-227	0	390	0	138	-202	220	736	16	-324	99	-227
50%	-1,510	3	0	0	-16	188	139	657	69	-481	-131	44
60%	-56	0	0	0	0	-40	0	875	-31	-518	-208	14
70%	-103	98	0	51	0	0	0	628	-82	-645	-167	-241
80%	-64	0	22	300	0	-217	0	23	-151	-563	-772	-7
90%	-89	-16	30	0	0	-20	206	0	-26	-2,060	267	0
Long Term												
Full Simulation Period[a]	-175	-26	58	-16	3	-80	97	468	-35	-427	-16	89
Water Year Types[b]												
Wet (32%)	-196	-109	190	142	-61	-247	-6	167	-196	-360	23	380
Above Normal (15%)	-155	-203	-317	-125	277	100	-5	298	-66	59	-35	-110
Below Normal (17%)	-173	64	42	57	-123	66	173	679	-62	-255	-118	-20
Dry (22%)	-73	205	-63	1	-13	-115	284	930	171	-810	-233	-8
Critical (15%)	-304	-119	343	-355	39	-15	55	351	68	-685	365	-69

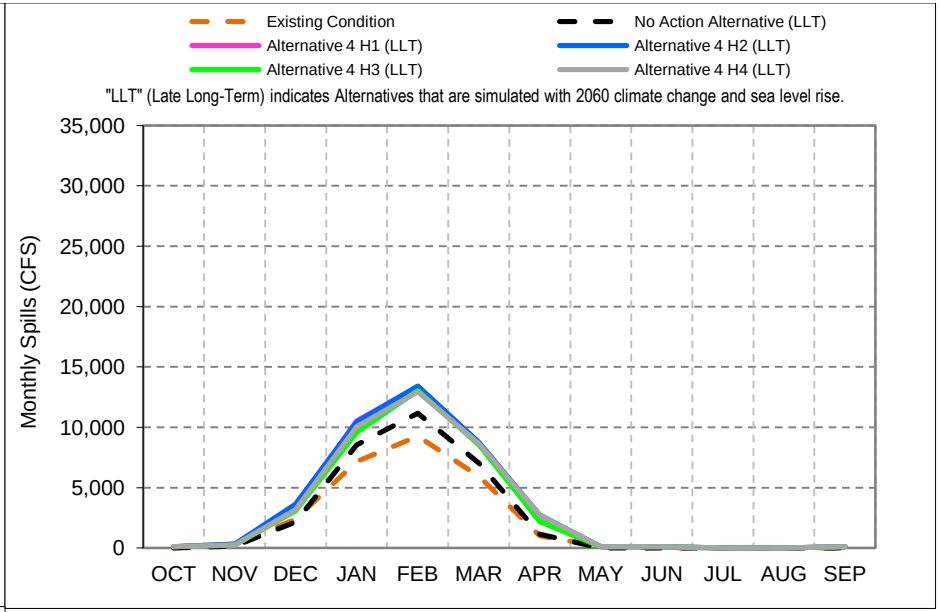
Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

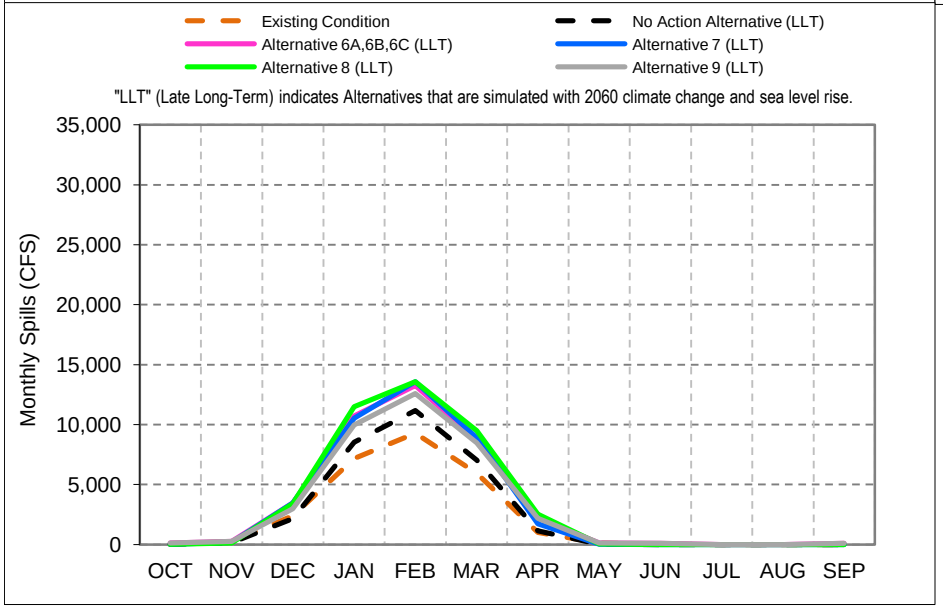
a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

C.18. Fremont Weir Spills



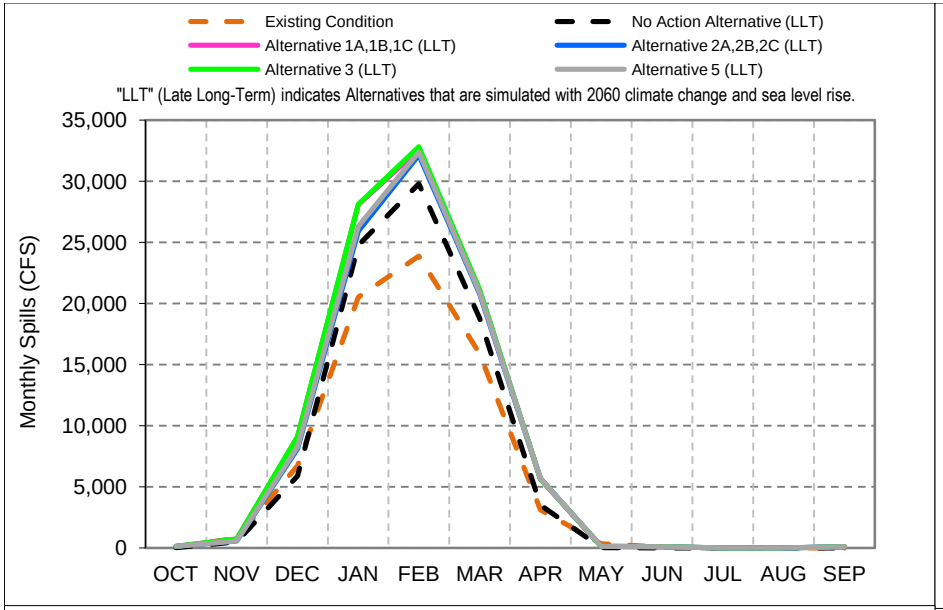


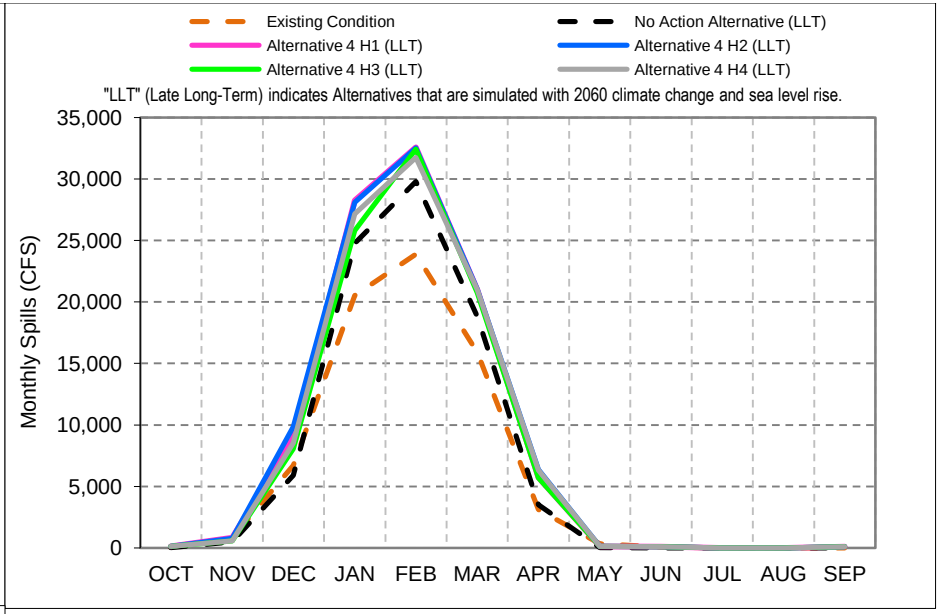


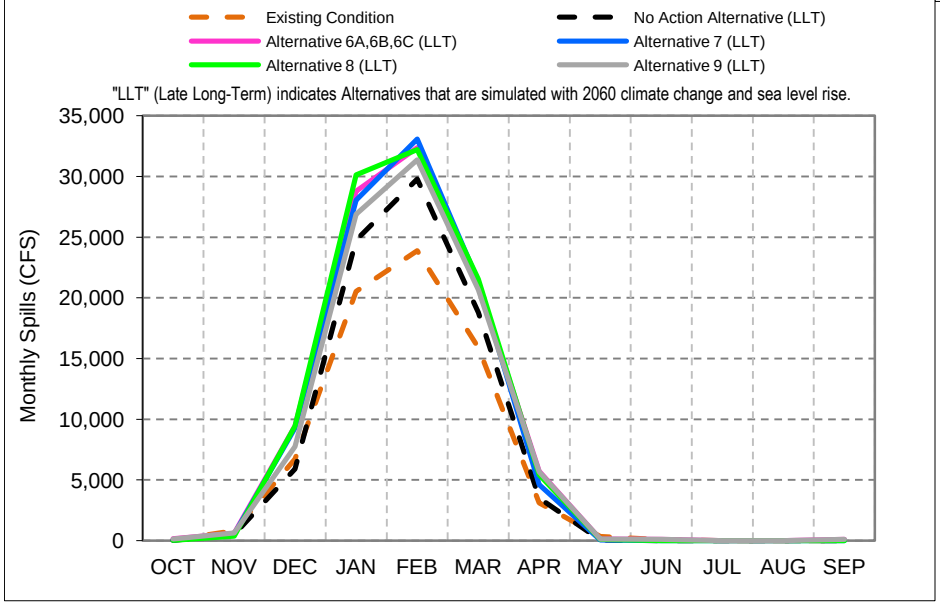
Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-18-1. Fremont Weir, Long-Term Average Spills





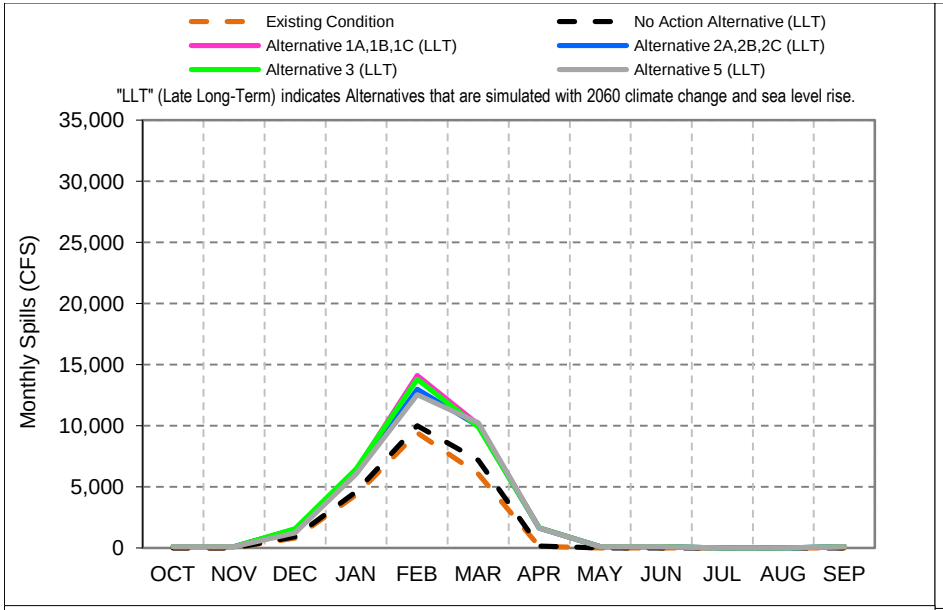


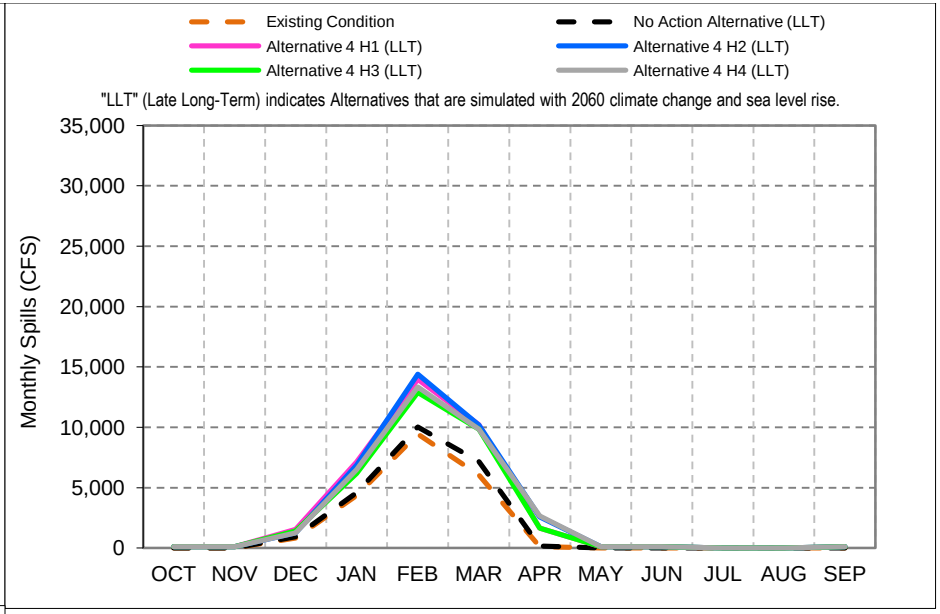
Alternative 4 Scenario Definitions:

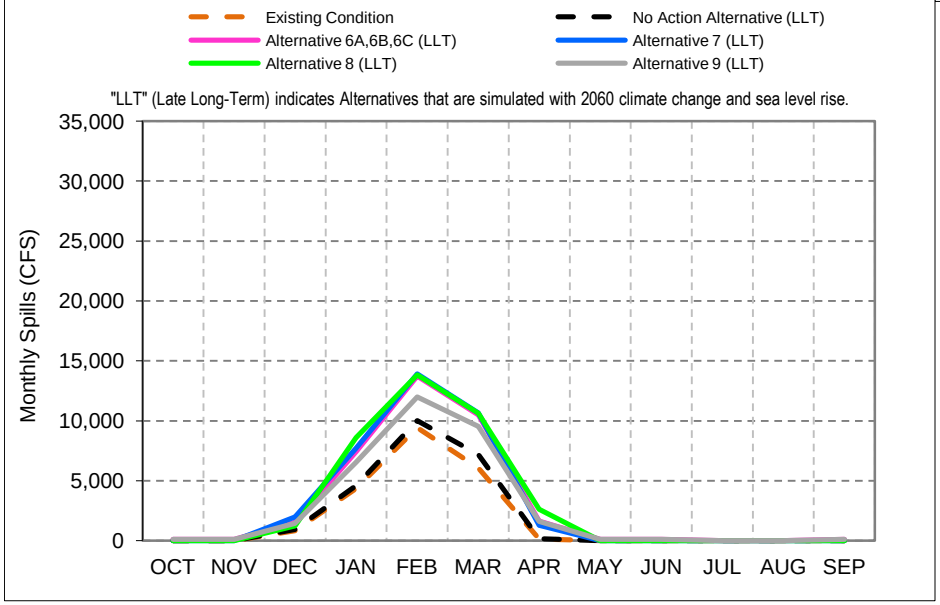
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-18-2. Fremont Weir, Wet Year* Average Spills





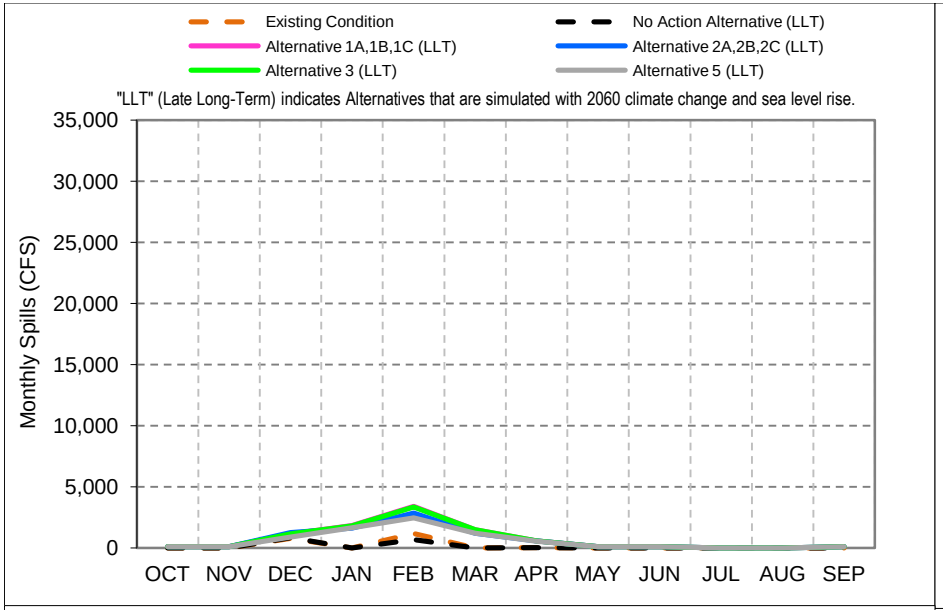


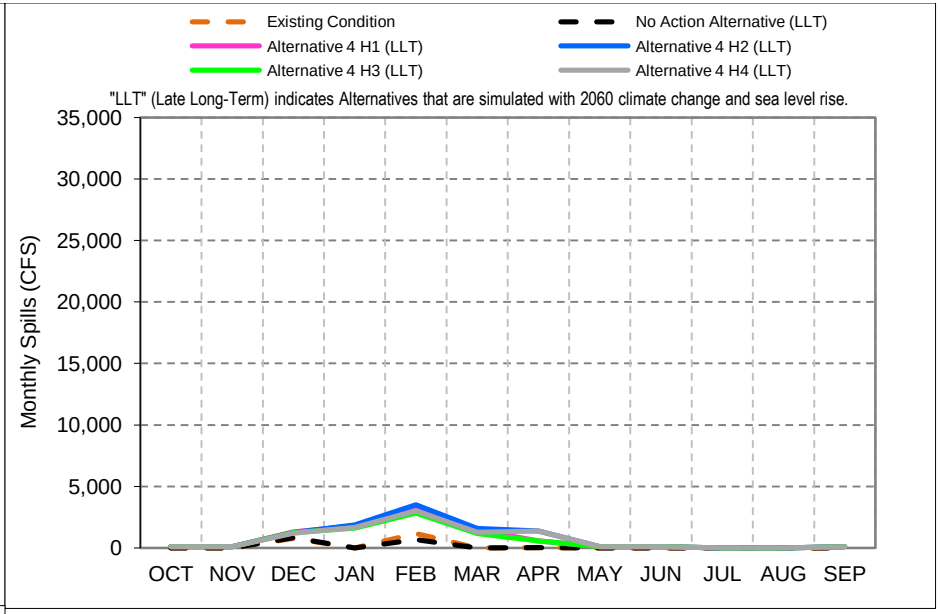
Alternative 4 Scenario Definitions:

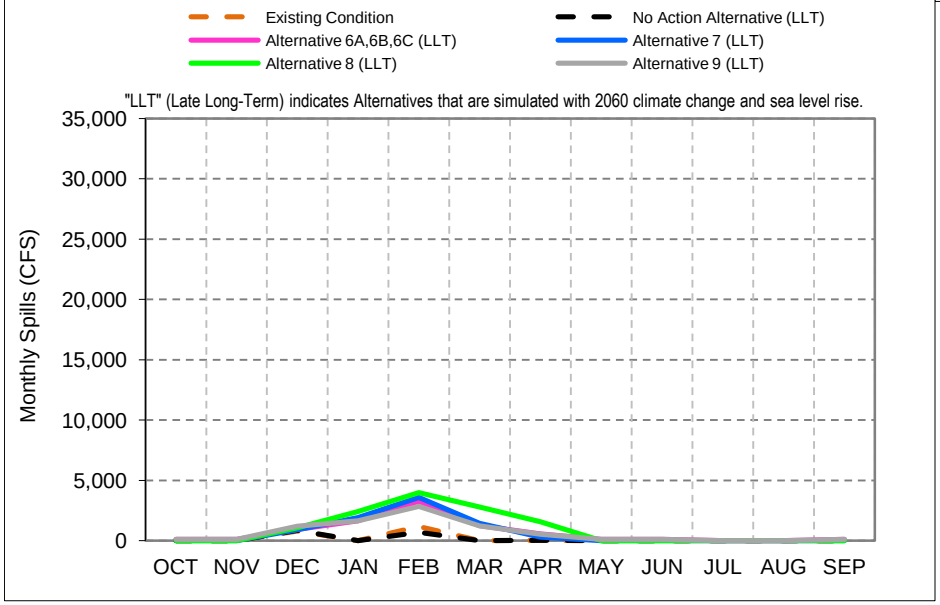
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-18-3. Fremont Weir, Above Normal Year* Average Spills





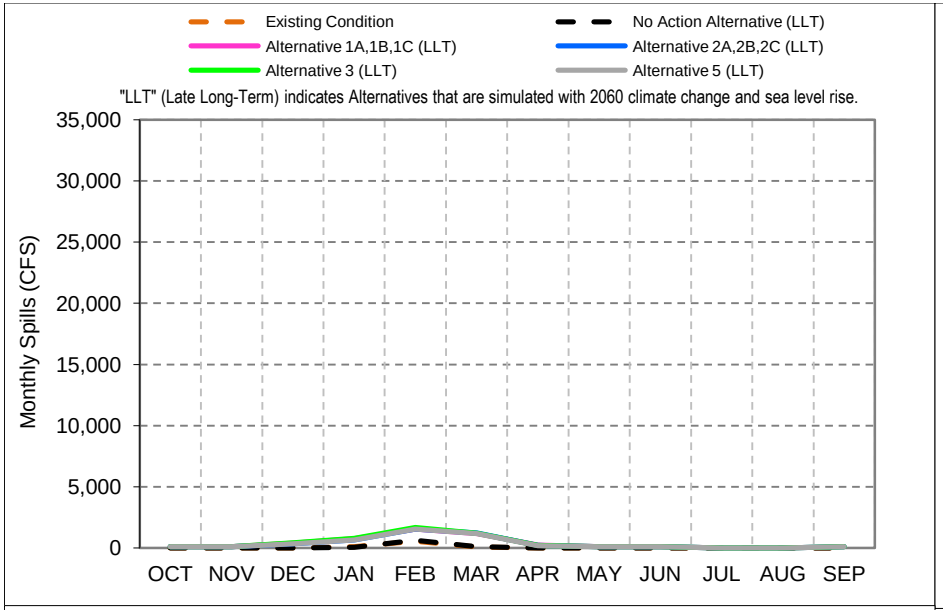


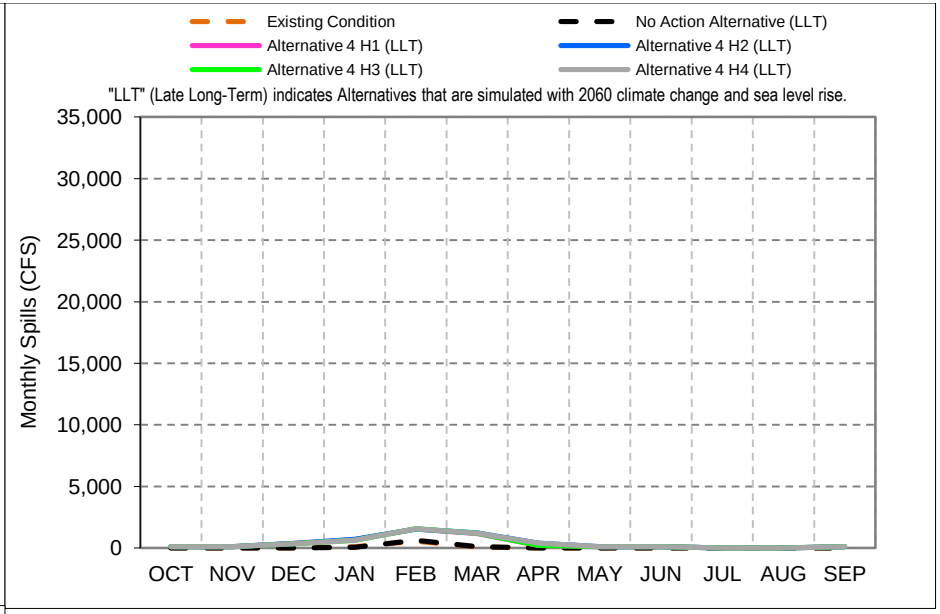
Alternative 4 Scenario Definitions:

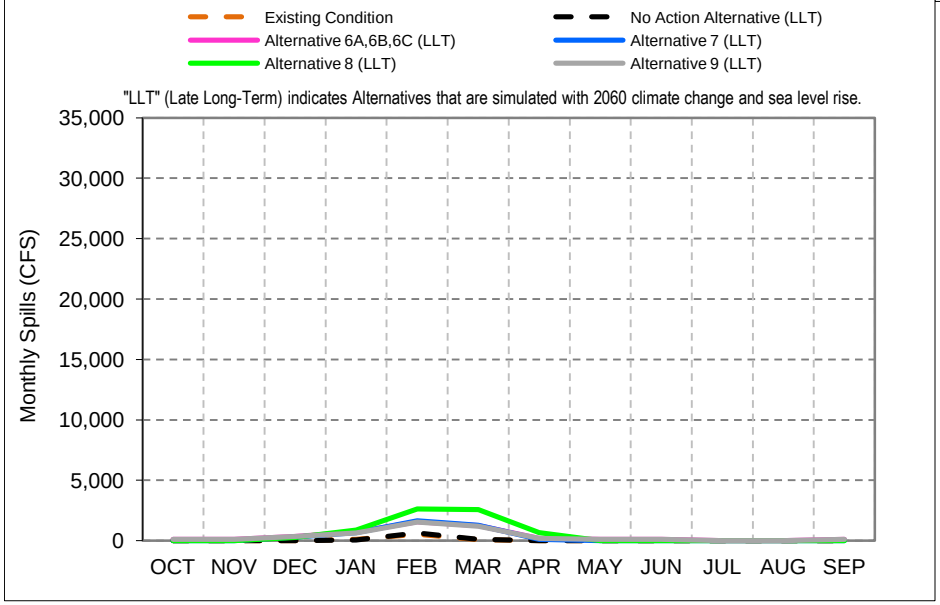
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-18-4. Fremont Weir, Below Normal Year* Average Spills





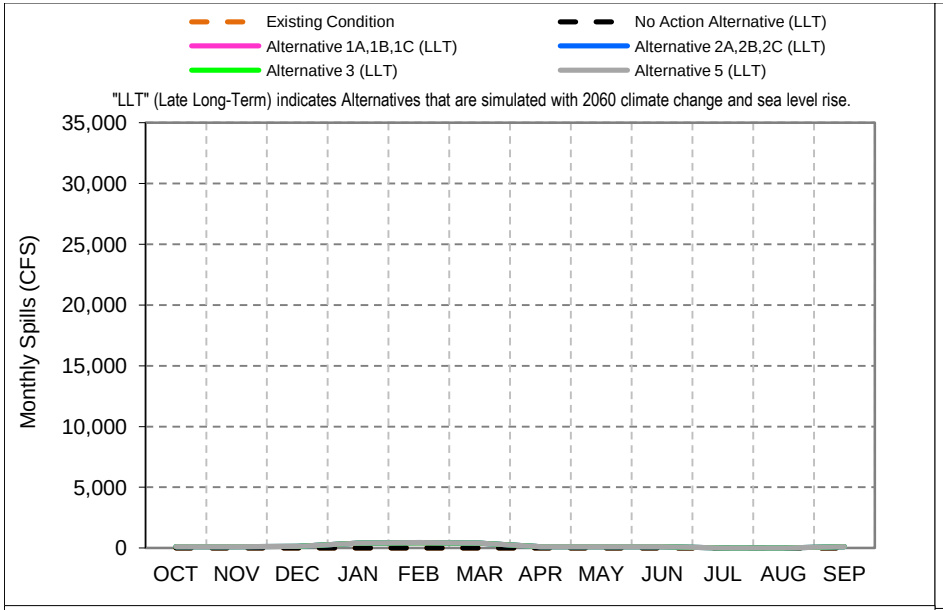


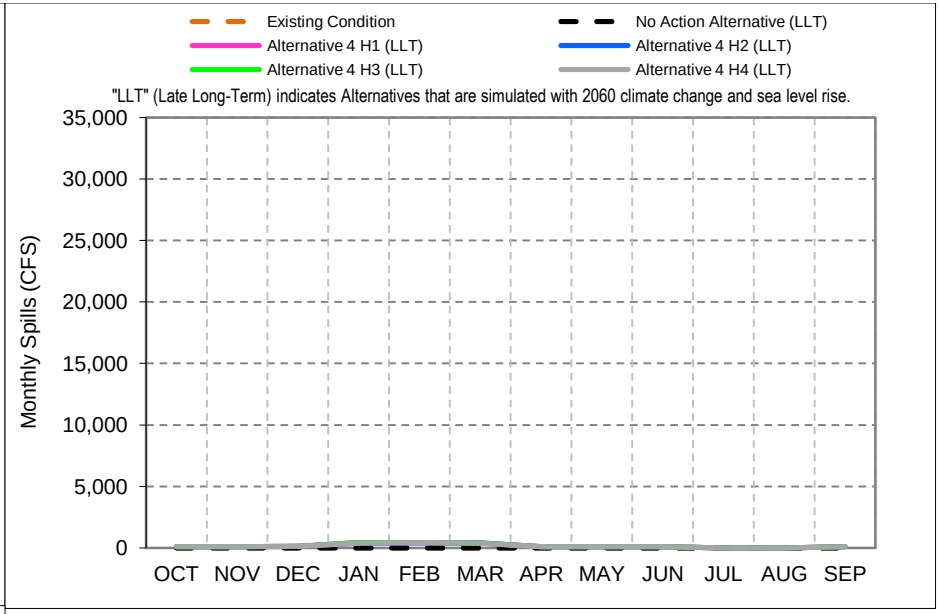
Alternative 4 Scenario Definitions:

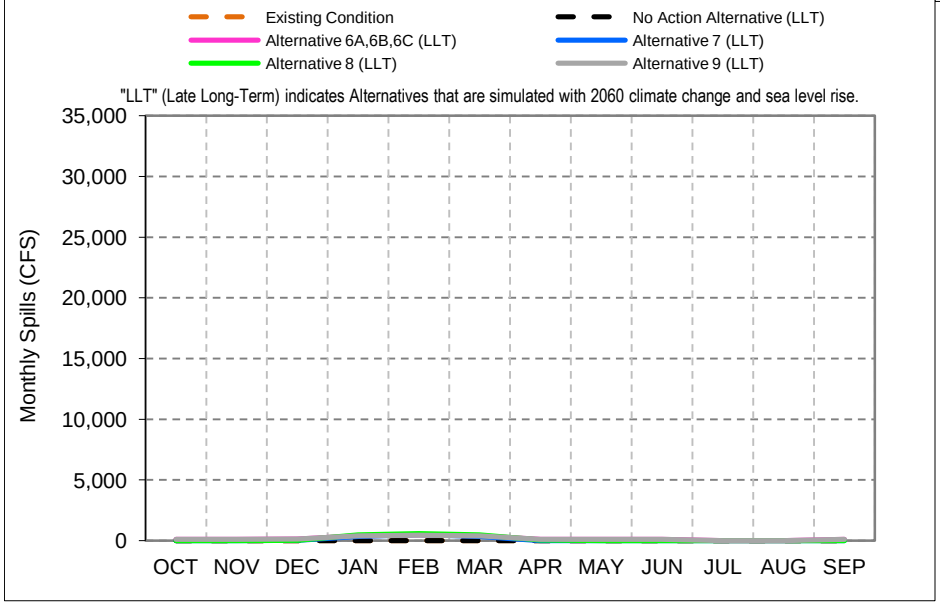
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-18-5. Fremont Weir, Dry Year* Average Spills







Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-18-6. Fremont Weir, Critical Year* Average Spills

Table C-18-1. Fremont Weir, Monthly Spills

Existing Condition

	Monthly Spills (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	8,900	25,431	35,828	18,376	1,191	0	0	0	0	0
20%	0	0	163	6,615	10,476	4,328	0	0	0	0	0	0
30%	0	0	0	945	4,562	274	0	0	0	0	0	0
40%	0	0	0	0	1,014	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	17	263	2,388	7,170	9,269	5,946	1,014	110	26	0	0	0
Water Year Types[b]												
Wet (32%)	53	828	6,724	20,528	23,869	15,897	3,122	345	82	0	0	0
Above Normal (15%)	0	0	823	4,359	9,430	6,058	124	0	0	0	0	0
Below Normal (17%)	0	0	793	0	1,179	1	36	0	0	0	0	0
Dry (22%)	0	0	0	103	542	86	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0

No Action Alternative (LLT)

	Monthly Spills (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	5,079	23,714	42,108	17,813	1,744	0	0	0	0	0
20%	0	0	0	9,090	14,222	5,684	0	0	0	0	0	0
30%	0	0	0	849	3,953	621	0	0	0	0	0	0
40%	0	0	0	0	821	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	12	159	2,151	8,533	11,171	7,037	1,142	14	0	0	0	0
Water Year Types[b]												
Wet (32%)	39	502	5,906	24,758	29,796	18,802	3,513	43	0	0	0	0
Above Normal (15%)	0	0	926	4,602	10,011	7,175	158	0	0	0	0	0
Below Normal (17%)	0	0	839	0	691	5	28	0	0	0	0	0
Dry (22%)	0	0	0	45	641	111	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0

No Action Alternative (LLT) minus Existing Condition

	Monthly Spills (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	-3,822	-1,717	6,280	-564	554	0	0	0	0	0
20%	0	0	-163	2,475	3,746	1,356	0	0	0	0	0	0
30%	0	0	0	-97	-610	347	0	0	0	0	0	0
40%	0	0	0	0	-193	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	-4	-104	-236	1,364	1,903	1,091	128	-96	-26	0	0	0
Water Year Types[b]												
Wet (32%)	-14	-327	-818	4,229	5,927	2,905	391	-303	-82	0	0	0
Above Normal (15%)	0	0	103	242	581	1,117	34	0	0	0	0	0
Below Normal (17%)	0	0	46	0	-488	4	-8	0	0	0	0	0
Dry (22%)	0	0	0	-58	99	26	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-18-2. Fremont Weir, Monthly Spills

Existing Condition

	Monthly Spills (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	8,900	25,431	35,828	18,376	1,191	0	0	0	0	0
20%	0	0	163	6,615	10,476	4,328	0	0	0	0	0	0
30%	0	0	0	945	4,562	274	0	0	0	0	0	0
40%	0	0	0	0	1,014	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	17	263	2,388	7,170	9,269	5,946	1,014	110	26	0	0	0
Water Year Types[b]												
Wet (32%)	53	828	6,724	20,528	23,869	15,897	3,122	345	82	0	0	0
Above Normal (15%)	0	0	823	4,359	9,430	6,058	124	0	0	0	0	0
Below Normal (17%)	0	0	793	0	1,179	1	36	0	0	0	0	0
Dry (22%)	0	0	0	103	542	86	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0

Alternative 1A,1B,1C (LLT)

	Monthly Spills (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	100	100	10,029	31,930	45,540	24,952	5,753	100	100	0	0	100
20%	100	100	2,878	11,974	15,547	8,001	4,022	100	100	0	0	100
30%	100	100	1,679	5,048	9,356	5,728	1,136	100	100	0	0	100
40%	100	100	649	2,896	5,237	3,657	375	100	100	0	0	100
50%	100	100	251	1,638	3,232	2,168	177	100	100	0	0	100
60%	100	100	113	1,079	1,961	1,359	119	100	100	0	0	100
70%	100	100	100	332	596	584	100	100	100	0	0	100
80%	100	100	100	108	143	150	100	100	100	0	0	100
90%	100	100	100	100	100	100	100	100	100	0	0	100
Long Term												
Full Simulation Period[a]	113	302	3,409	10,373	13,383	8,736	2,195	113	100	0	0	100
Water Year Types[b]												
Wet (32%)	140	736	9,094	28,086	32,583	21,084	5,627	142	100	0	0	100
Above Normal (15%)	100	100	1,513	6,353	14,110	10,114	1,651	100	100	0	0	100
Below Normal (17%)	100	100	1,169	1,830	3,414	1,485	586	100	100	0	0	100
Dry (22%)	100	100	386	768	1,556	1,178	243	100	100	0	0	100
Critical (15%)	100	100	140	389	426	401	106	100	100	0	0	100

Alternative 1A,1B,1C (LLT) minus Existing Condition

	Monthly Spills (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	100	100	1,129	6,499	9,712	6,575	4,562	100	100	0	0	100
20%	100	100	2,715	5,359	5,070	3,674	4,022	100	100	0	0	100
30%	100	100	1,679	4,103	4,794	5,453	1,136	100	100	0	0	100
40%	100	100	649	2,896	4,223	3,657	375	100	100	0	0	100
50%	100	100	251	1,638	3,232	2,168	177	100	100	0	0	100
60%	100	100	113	1,079	1,961	1,359	119	100	100	0	0	100
70%	100	100	100	332	596	584	100	100	100	0	0	100
80%	100	100	100	108	143	150	100	100	100	0	0	100
90%	100	100	100	100	100	100	100	100	100	0	0	100
Long Term												
Full Simulation Period[a]	96	39	1,022	3,203	4,114	2,790	1,181	4	74	0	0	100
Water Year Types[b]												
Wet (32%)	87	-93	2,370	7,558	8,714	5,187	2,505	-203	18	0	0	100
Above Normal (15%)	100	100	689	1,994	4,680	4,056	1,527	100	100	0	0	100
Below Normal (17%)	100	100	376	1,830	2,235	1,484	550	100	100	0	0	100
Dry (22%)	100	100	386	665	1,014	1,092	243	100	100	0	0	100
Critical (15%)	100	100	140	389	426	401	106	100	100	0	0	100

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-18-3. Fremont Weir, Monthly Spills

Existing Condition

	Monthly Spills (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	8,900	25,431	35,828	18,376	1,191	0	0	0	0	0
20%	0	0	163	6,615	10,476	4,328	0	0	0	0	0	0
30%	0	0	0	945	4,562	274	0	0	0	0	0	0
40%	0	0	0	0	1,014	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	17	263	2,388	7,170	9,269	5,946	1,014	110	26	0	0	0
Water Year Types[b]												
Wet (32%)	53	828	6,724	20,528	23,869	15,897	3,122	345	82	0	0	0
Above Normal (15%)	0	0	823	4,359	9,430	6,058	124	0	0	0	0	0
Below Normal (17%)	0	0	793	0	1,179	1	36	0	0	0	0	0
Dry (22%)	0	0	0	103	542	86	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0

Alternative 2A,2B,2C (LLT)

	Monthly Spills (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	100	100	7,400	25,432	42,356	21,378	5,749	100	100	0	0	100
20%	100	100	2,816	10,293	18,635	8,032	4,015	100	100	0	0	100
30%	100	100	1,397	5,412	7,436	5,732	1,134	100	100	0	0	100
40%	100	100	525	2,800	5,583	3,757	349	100	100	0	0	100
50%	100	100	216	1,448	3,244	1,736	113	100	100	0	0	100
60%	100	100	103	805	1,774	1,061	101	100	100	0	0	100
70%	100	100	100	178	640	548	100	100	100	0	0	100
80%	100	100	100	102	131	150	100	100	100	0	0	100
90%	100	100	100	100	100	100	100	100	100	0	0	100
Long Term												
Full Simulation Period[a]	113	256	3,108	9,594	12,987	8,586	2,204	113	100	0	0	100
Water Year Types[b]												
Wet (32%)	142	591	8,123	25,924	32,140	20,785	5,693	142	100	0	0	100
Above Normal (15%)	100	100	1,520	6,113	12,998	9,967	1,627	100	100	0	0	100
Below Normal (17%)	100	100	1,260	1,630	2,849	1,212	569	100	100	0	0	100
Dry (22%)	100	100	338	655	1,557	1,233	221	100	100	0	0	100
Critical (15%)	100	100	139	390	452	404	106	100	100	0	0	100

Alternative 2A,2B,2C (LLT) minus Existing Condition

	Monthly Spills (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	100	100	**-1,500**	1	6,528	3,001	4,559	100	100	0	0	100
20%	100	100	2,652	3,677	8,159	3,704	4,015	100	100	0	0	100
30%	100	100	1,397	4,467	2,874	5,458	1,134	100	100	0	0	100
40%	100	100	525	2,800	4,568	3,757	349	100	100	0	0	100
50%	100	100	216	1,448	3,244	1,736	113	100	100	0	0	100
60%	100	100	103	805	1,774	1,061	101	100	100	0	0	100
70%	100	100	100	178	640	548	100	100	100	0	0	100
80%	100	100	100	102	131	150	100	100	100	0	0	100
90%	100	100	100	100	100	100	100	100	100	0	0	100
Long Term												
Full Simulation Period[a]	97	**-7**	720	2,424	3,719	2,640	1,190	4	74	0	0	100
Water Year Types[b]												
Wet (32%)	89	**-237**	1,399	5,396	8,271	4,888	2,571	**-204**	18	0	0	100
Above Normal (15%)	100	100	697	1,754	3,568	3,909	1,504	100	100	0	0	100
Below Normal (17%)	100	100	467	1,630	1,670	1,211	533	100	100	0	0	100
Dry (22%)	100	100	338	552	1,015	1,148	221	100	100	0	0	100
Critical (15%)	100	100	139	390	452	404	106	100	100	0	0	100

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-18-4. Fremont Weir, Monthly Spills

Existing Condition

	Monthly Spills (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	8,900	25,431	35,828	18,376	1,191	0	0	0	0	0
20%	0	0	163	6,615	10,476	4,328	0	0	0	0	0	0
30%	0	0	0	945	4,562	274	0	0	0	0	0	0
40%	0	0	0	0	1,014	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	17	263	2,388	7,170	9,269	5,946	1,014	110	26	0	0	0
Water Year Types[b]												
Wet (32%)	53	828	6,724	20,528	23,869	15,897	3,122	345	82	0	0	0
Above Normal (15%)	0	0	823	4,359	9,430	6,058	124	0	0	0	0	0
Below Normal (17%)	0	0	793	0	1,179	1	36	0	0	0	0	0
Dry (22%)	0	0	0	103	542	86	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0

Alternative 3 (LLT)

	Monthly Spills (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	100	100	10,503	31,514	44,463	24,966	5,754	100	100	0	0	100
20%	100	100	2,874	12,482	15,542	8,071	4,006	100	100	0	0	100
30%	100	100	1,621	5,109	8,675	5,662	1,134	100	100	0	0	100
40%	100	100	578	3,087	5,122	3,657	354	100	100	0	0	100
50%	100	100	288	1,631	3,241	2,043	161	100	100	0	0	100
60%	100	100	139	1,090	1,962	1,323	111	100	100	0	0	100
70%	100	100	100	264	752	583	100	100	100	0	0	100
80%	100	100	100	101	140	176	100	100	100	0	0	100
90%	100	100	100	100	100	100	100	100	100	0	0	100
Long Term												
Full Simulation Period[a]	113	303	3,428	10,404	13,435	8,731	2,195	114	100	0	0	100
Water Year Types[b]												
Wet (32%)	141	739	9,111	28,120	32,831	21,135	5,660	146	100	0	0	100
Above Normal (15%)	100	100	1,577	6,457	13,792	9,909	1,644	100	100	0	0	100
Below Normal (17%)	100	100	1,153	1,816	3,362	1,500	570	100	100	0	0	100
Dry (22%)	100	100	415	801	1,689	1,200	215	100	100	0	0	100
Critical (15%)	100	100	141	389	426	407	106	100	100	0	0	100

Alternative 3 (LLT) minus Existing Condition

	Monthly Spills (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	100	100	1,603	6,083	8,635	6,589	4,563	100	100	0	0	100
20%	100	100	2,710	5,867	5,066	3,743	4,006	100	100	0	0	100
30%	100	100	1,621	4,164	4,113	5,387	1,134	100	100	0	0	100
40%	100	100	578	3,087	4,108	3,657	354	100	100	0	0	100
50%	100	100	288	1,631	3,241	2,043	161	100	100	0	0	100
60%	100	100	139	1,090	1,962	1,323	111	100	100	0	0	100
70%	100	100	100	264	752	583	100	100	100	0	0	100
80%	100	100	100	101	140	176	100	100	100	0	0	100
90%	100	100	100	100	100	100	100	100	100	0	0	100
Long Term												
Full Simulation Period[a]	96	40	1,041	3,234	4,167	2,784	1,181	5	74	0	0	100
Water Year Types[b]												
Wet (32%)	88	-90	2,388	7,592	8,962	5,237	2,538	-200	18	0	0	100
Above Normal (15%)	100	100	754	2,098	4,362	3,851	1,520	100	100	0	0	100
Below Normal (17%)	100	100	360	1,816	2,183	1,499	533	100	100	0	0	100
Dry (22%)	100	100	415	698	1,147	1,114	215	100	100	0	0	100
Critical (15%)	100	100	141	389	426	407	106	100	100	0	0	100

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-18-5. Fremont Weir, Monthly Spills

Existing Condition

	Monthly Spills (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	8,900	25,431	35,828	18,376	1,191	0	0	0	0	0
20%	0	0	163	6,615	10,476	4,328	0	0	0	0	0	0
30%	0	0	0	945	4,562	274	0	0	0	0	0	0
40%	0	0	0	0	1,014	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	17	263	2,388	7,170	9,269	5,946	1,014	110	26	0	0	0
Water Year Types[b]												
Wet (32%)	53	828	6,724	20,528	23,869	15,897	3,122	345	82	0	0	0
Above Normal (15%)	0	0	823	4,359	9,430	6,058	124	0	0	0	0	0
Below Normal (17%)	0	0	793	0	1,179	1	36	0	0	0	0	0
Dry (22%)	0	0	0	103	542	86	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0

Alternative 4 H1 (LLT)

	Monthly Spills (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	100	100	9,689	32,168	45,187	24,910	5,751	100	100	0	0	100
20%	100	100	3,092	13,396	15,544	8,025	4,014	100	100	0	0	100
30%	100	100	1,430	5,512	8,531	5,730	1,128	100	100	0	0	100
40%	100	100	526	3,012	5,583	3,758	352	100	100	0	0	100
50%	100	100	247	1,668	3,246	1,978	114	100	100	0	0	100
60%	100	100	128	1,042	2,002	1,304	101	100	100	0	0	100
70%	100	100	100	267	718	564	100	100	100	0	0	100
80%	100	100	100	114	143	150	100	100	100	0	0	100
90%	100	100	100	100	100	100	100	100	100	0	0	100
Long Term												
Full Simulation Period[a]	113	333	3,406	10,527	13,365	8,722	2,215	113	100	0	0	100
Water Year Types[b]												
Wet (32%)	141	836	9,004	28,253	32,573	21,004	5,723	142	100	0	0	100
Above Normal (15%)	100	100	1,550	7,139	13,981	10,209	1,646	100	100	0	0	100
Below Normal (17%)	100	100	1,313	1,792	3,443	1,461	568	100	100	0	0	100
Dry (22%)	100	100	358	691	1,550	1,185	215	100	100	0	0	100
Critical (15%)	100	100	144	455	425	402	106	100	100	0	0	100

Alternative 4 H1 (LLT) minus Existing Condition

	Monthly Spills (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	100	100	789	6,736	9,359	6,533	4,560	100	100	0	0	100
20%	100	100	2,929	6,780	5,068	3,697	4,014	100	100	0	0	100
30%	100	100	1,430	4,567	3,968	5,455	1,128	100	100	0	0	100
40%	100	100	526	3,012	4,569	3,758	352	100	100	0	0	100
50%	100	100	247	1,668	3,246	1,978	114	100	100	0	0	100
60%	100	100	128	1,042	2,002	1,304	101	100	100	0	0	100
70%	100	100	100	267	718	564	100	100	100	0	0	100
80%	100	100	100	114	143	150	100	100	100	0	0	100
90%	100	100	100	100	100	100	100	100	100	0	0	100
Long Term												
Full Simulation Period[a]	96	71	1,018	3,358	4,096	2,776	1,201	4	74	0	0	100
Water Year Types[b]												
Wet (32%)	88	7	2,281	7,725	8,704	5,107	2,601	-204	18	0	0	100
Above Normal (15%)	100	100	726	2,780	4,551	4,151	1,522	100	100	0	0	100
Below Normal (17%)	100	100	520	1,792	2,264	1,460	532	100	100	0	0	100
Dry (22%)	100	100	358	588	1,008	1,099	215	100	100	0	0	100
Critical (15%)	100	100	144	455	425	402	106	100	100	0	0	100

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-18-6. Fremont Weir, Monthly Spills

Existing Condition

	Monthly Spills (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	8,900	25,431	35,828	18,376	1,191	0	0	0	0	0
20%	0	0	163	6,615	10,476	4,328	0	0	0	0	0	0
30%	0	0	0	945	4,562	274	0	0	0	0	0	0
40%	0	0	0	0	1,014	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	17	263	2,388	7,170	9,269	5,946	1,014	110	26	0	0	0
Water Year Types[b]												
Wet (32%)	53	828	6,724	20,528	23,869	15,897	3,122	345	82	0	0	0
Above Normal (15%)	0	0	823	4,359	9,430	6,058	124	0	0	0	0	0
Below Normal (17%)	0	0	793	0	1,179	1	36	0	0	0	0	0
Dry (22%)	0	0	0	103	542	86	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0

Alternative 4 H2 (LLT)

	Monthly Spills (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	100	100	11,926	35,516	45,448	24,886	5,790	100	100	0	0	100
20%	100	100	3,229	11,284	16,123	8,032	4,214	100	100	0	0	100
30%	100	100	1,599	5,554	8,977	5,418	3,270	100	100	0	0	100
40%	100	100	517	3,214	5,144	3,799	2,117	100	100	0	0	100
50%	100	100	225	1,728	3,251	1,981	839	100	100	0	0	100
60%	100	100	100	909	1,770	1,399	167	100	100	0	0	100
70%	100	100	100	268	569	539	100	100	100	0	0	100
80%	100	100	100	122	134	148	100	100	100	0	0	100
90%	100	100	100	100	100	100	100	100	100	0	0	100
Long Term												
Full Simulation Period[a]	113	314	3,623	10,451	13,416	8,758	2,733	113	100	0	0	100
Water Year Types[b]												
Wet (32%)	141	776	9,864	28,095	32,506	21,030	6,365	142	100	0	0	100
Above Normal (15%)	100	100	1,244	6,870	14,404	10,174	2,566	100	100	0	0	100
Below Normal (17%)	100	100	1,249	1,890	3,506	1,583	1,396	100	100	0	0	100
Dry (22%)	100	100	363	712	1,549	1,226	391	100	100	0	0	100
Critical (15%)	100	100	141	398	427	418	106	100	100	0	0	100

Alternative 4 H2 (LLT) minus Existing Condition

	Monthly Spills (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	100	100	3,025	10,085	9,620	6,509	4,599	100	100	0	0	100
20%	100	100	3,066	4,669	5,647	3,705	4,214	100	100	0	0	100
30%	100	100	1,599	4,609	4,415	5,144	3,270	100	100	0	0	100
40%	100	100	517	3,214	4,129	3,799	2,117	100	100	0	0	100
50%	100	100	225	1,728	3,251	1,981	839	100	100	0	0	100
60%	100	100	100	909	1,770	1,399	167	100	100	0	0	100
70%	100	100	100	268	569	539	100	100	100	0	0	100
80%	100	100	100	122	134	148	100	100	100	0	0	100
90%	100	100	100	100	100	100	100	100	100	0	0	100
Long Term												
Full Simulation Period[a]	96	52	1,235	3,281	4,147	2,812	1,719	4	74	0	0	100
Water Year Types[b]												
Wet (32%)	89	-52	3,140	7,566	8,637	5,133	3,243	-203	18	0	0	100
Above Normal (15%)	100	100	420	2,511	4,974	4,116	2,442	100	100	0	0	100
Below Normal (17%)	100	100	456	1,890	2,327	1,582	1,359	100	100	0	0	100
Dry (22%)	100	100	363	609	1,007	1,141	391	100	100	0	0	100
Critical (15%)	100	100	141	398	427	418	106	100	100	0	0	100

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-18-7. Fremont Weir, Monthly Spills

Existing Condition

	Monthly Spills (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	8,900	25,431	35,828	18,376	1,191	0	0	0	0	0
20%	0	0	163	6,615	10,476	4,328	0	0	0	0	0	0
30%	0	0	0	945	4,562	274	0	0	0	0	0	0
40%	0	0	0	0	1,014	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	17	263	2,388	7,170	9,269	5,946	1,014	110	26	0	0	0
Water Year Types[b]												
Wet (32%)	53	828	6,724	20,528	23,869	15,897	3,122	345	82	0	0	0
Above Normal (15%)	0	0	823	4,359	9,430	6,058	124	0	0	0	0	0
Below Normal (17%)	0	0	793	0	1,179	1	36	0	0	0	0	0
Dry (22%)	0	0	0	103	542	86	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0

Alternative 4 H3 (LLT)

	Monthly Spills (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	100	100	6,879	25,466	43,746	21,552	5,748	100	100	0	0	100
20%	100	100	2,770	11,310	17,192	8,031	4,013	100	100	0	0	100
30%	100	100	1,461	5,420	7,472	5,727	1,095	100	100	0	0	100
40%	100	100	518	2,795	5,582	3,757	349	100	100	0	0	100
50%	100	100	182	1,462	3,247	1,735	113	100	100	0	0	100
60%	100	100	107	911	1,775	964	101	100	100	0	0	100
70%	100	100	100	199	609	454	100	100	100	0	0	100
80%	100	100	100	103	131	177	100	100	100	0	0	100
90%	100	100	100	100	100	100	100	100	100	0	0	100
Long Term												
Full Simulation Period[a]	113	253	3,075	9,568	13,055	8,532	2,206	113	100	0	0	100
Water Year Types[b]												
Wet (32%)	141	581	8,075	25,795	32,418	20,724	5,692	141	100	0	0	100
Above Normal (15%)	100	100	1,421	6,176	12,875	9,851	1,636	100	100	0	0	100
Below Normal (17%)	100	100	1,241	1,630	2,838	1,171	580	100	100	0	0	100
Dry (22%)	100	100	337	637	1,552	1,188	216	100	100	0	0	100
Critical (15%)	100	100	144	457	452	402	106	100	100	0	0	100

Alternative 4 H3 (LLT) minus Existing Condition

	Monthly Spills (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	100	100	**-2,022**	35	7,918	3,176	4,557	100	100	0	0	100
20%	100	100	2,607	4,694	6,715	3,703	4,013	100	100	0	0	100
30%	100	100	1,461	4,474	2,910	5,453	1,095	100	100	0	0	100
40%	100	100	518	2,795	4,568	3,757	349	100	100	0	0	100
50%	100	100	182	1,462	3,247	1,735	113	100	100	0	0	100
60%	100	100	107	911	1,775	964	101	100	100	0	0	100
70%	100	100	100	199	609	454	100	100	100	0	0	100
80%	100	100	100	103	131	177	100	100	100	0	0	100
90%	100	100	100	100	100	100	100	100	100	0	0	100
Long Term												
Full Simulation Period[a]	96	**-10**	688	2,398	3,786	2,586	1,192	4	74	0	0	100
Water Year Types[b]												
Wet (32%)	88	**-247**	1,352	5,266	8,549	4,827	2,570	**-204**	18	0	0	100
Above Normal (15%)	100	100	597	1,817	3,445	3,793	1,513	100	100	0	0	100
Below Normal (17%)	100	100	448	1,630	1,659	1,171	544	100	100	0	0	100
Dry (22%)	100	100	337	534	1,010	1,103	216	100	100	0	0	100
Critical (15%)	100	100	144	457	452	402	106	100	100	0	0	100

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-18-8. Fremont Weir, Monthly Spills

Existing Condition

	Monthly Spills (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	8,900	25,431	35,828	18,376	1,191	0	0	0	0	0
20%	0	0	163	6,615	10,476	4,328	0	0	0	0	0	0
30%	0	0	0	945	4,562	274	0	0	0	0	0	0
40%	0	0	0	0	1,014	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	17	263	2,388	7,170	9,269	5,946	1,014	110	26	0	0	0
Water Year Types[b]												
Wet (32%)	53	828	6,724	20,528	23,869	15,897	3,122	345	82	0	0	0
Above Normal (15%)	0	0	823	4,359	9,430	6,058	124	0	0	0	0	0
Below Normal (17%)	0	0	793	0	1,179	1	36	0	0	0	0	0
Dry (22%)	0	0	0	103	542	86	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0

Alternative 4 H4 (LLT)

	Monthly Spills (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	100	100	8,413	30,882	45,350	25,003	5,789	100	100	0	0	100
20%	100	100	2,842	11,400	15,523	8,032	4,172	100	100	0	0	100
30%	100	100	1,455	5,394	7,289	5,578	3,270	100	100	0	0	100
40%	100	100	513	2,865	5,330	3,657	2,122	100	100	0	0	100
50%	100	100	164	1,451	3,250	1,782	825	100	100	0	0	100
60%	100	100	100	747	1,711	917	166	100	100	0	0	100
70%	100	100	100	139	555	428	100	100	100	0	0	100
80%	100	100	100	101	126	149	100	100	100	0	0	100
90%	100	100	100	100	100	100	100	100	100	0	0	100
Long Term												
Full Simulation Period[a]	113	255	3,187	10,048	12,937	8,640	2,734	114	100	0	0	100
Water Year Types[b]												
Wet (32%)	142	590	8,524	27,172	31,738	20,999	6,333	143	100	0	0	100
Above Normal (15%)	100	100	1,259	6,494	13,332	9,832	2,654	100	100	0	0	100
Below Normal (17%)	100	100	1,194	1,679	3,016	1,275	1,383	100	100	0	0	100
Dry (22%)	100	100	344	631	1,553	1,211	389	100	100	0	0	100
Critical (15%)	100	100	139	389	456	404	106	100	100	0	0	100

Alternative 4 H4 (LLT) minus Existing Condition

	Monthly Spills (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	100	100	-487	5,451	9,522	6,626	4,598	100	100	0	0	100
20%	100	100	2,679	4,785	5,047	3,704	4,172	100	100	0	0	100
30%	100	100	1,455	4,449	2,726	5,304	3,270	100	100	0	0	100
40%	100	100	513	2,865	4,315	3,657	2,122	100	100	0	0	100
50%	100	100	164	1,451	3,250	1,782	825	100	100	0	0	100
60%	100	100	100	747	1,711	917	166	100	100	0	0	100
70%	100	100	100	139	555	428	100	100	100	0	0	100
80%	100	100	100	101	126	149	100	100	100	0	0	100
90%	100	100	100	100	100	100	100	100	100	0	0	100
Long Term												
Full Simulation Period[a]	97	-7	799	2,879	3,668	2,693	1,719	4	74	0	0	100
Water Year Types[b]												
Wet (32%)	89	-238	1,800	6,644	7,869	5,101	3,211	-203	18	0	0	100
Above Normal (15%)	100	100	435	2,135	3,902	3,774	2,530	100	100	0	0	100
Below Normal (17%)	100	100	401	1,679	1,837	1,274	1,347	100	100	0	0	100
Dry (22%)	100	100	344	528	1,011	1,125	389	100	100	0	0	100
Critical (15%)	100	100	139	389	456	404	106	100	100	0	0	100

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-18-9. Fremont Weir, Monthly Spills

Existing Condition

	Monthly Spills (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	8,900	25,431	35,828	18,376	1,191	0	0	0	0	0
20%	0	0	163	6,615	10,476	4,328	0	0	0	0	0	0
30%	0	0	0	945	4,562	274	0	0	0	0	0	0
40%	0	0	0	0	1,014	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	17	263	2,388	7,170	9,269	5,946	1,014	110	26	0	0	0
Water Year Types[b]												
Wet (32%)	53	828	6,724	20,528	23,869	15,897	3,122	345	82	0	0	0
Above Normal (15%)	0	0	823	4,359	9,430	6,058	124	0	0	0	0	0
Below Normal (17%)	0	0	793	0	1,179	1	36	0	0	0	0	0
Dry (22%)	0	0	0	103	542	86	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0

Alternative 5 (LLT)

	Monthly Spills (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	100	100	7,350	25,360	42,440	24,155	5,747	100	100	0	0	100
20%	100	100	2,901	10,481	18,678	8,061	4,024	100	100	0	0	100
30%	100	100	1,387	5,525	7,803	5,727	1,052	100	100	0	0	100
40%	100	100	492	2,844	4,731	3,757	305	100	100	0	0	100
50%	100	100	212	1,477	3,165	1,740	130	100	100	0	0	100
60%	100	100	104	786	1,779	982	100	100	100	0	0	100
70%	100	100	100	260	593	474	100	100	100	0	0	100
80%	100	100	100	101	126	150	100	100	100	0	0	100
90%	100	100	100	100	100	100	100	100	100	0	0	100
Long Term												
Full Simulation Period[a]	113	249	3,054	9,712	12,934	8,648	2,198	113	100	0	0	100
Water Year Types[b]												
Wet (32%)	142	571	8,272	26,319	32,393	20,896	5,694	141	100	0	0	100
Above Normal (15%)	100	100	1,241	6,053	12,553	10,232	1,631	100	100	0	0	100
Below Normal (17%)	100	100	900	1,644	2,457	1,207	555	100	100	0	0	100
Dry (22%)	100	100	343	652	1,549	1,185	194	100	100	0	0	100
Critical (15%)	100	100	139	395	453	403	110	100	100	0	0	100

Alternative 5 (LLT) minus Existing Condition

	Monthly Spills (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	100	100	**-1,550**	**-71**	6,612	5,778	4,556	100	100	0	0	100
20%	100	100	2,738	3,865	8,202	3,733	4,024	100	100	0	0	100
30%	100	100	1,387	4,580	3,241	5,453	1,052	100	100	0	0	100
40%	100	100	492	2,844	3,716	3,757	305	100	100	0	0	100
50%	100	100	212	1,477	3,165	1,740	130	100	100	0	0	100
60%	100	100	104	786	1,779	982	100	100	100	0	0	100
70%	100	100	100	260	593	474	100	100	100	0	0	100
80%	100	100	100	101	126	150	100	100	100	0	0	100
90%	100	100	100	100	100	100	100	100	100	0	0	100
Long Term												
Full Simulation Period[a]	97	**-13**	666	2,543	3,665	2,702	1,183	4	74	0	0	100
Water Year Types[b]												
Wet (32%)	89	**-257**	1,549	5,790	8,524	4,998	2,572	**-204**	18	0	0	100
Above Normal (15%)	100	100	418	1,693	3,123	4,174	1,507	100	100	0	0	100
Below Normal (17%)	100	100	107	1,644	1,278	1,206	518	100	100	0	0	100
Dry (22%)	100	100	343	549	1,007	1,099	194	100	100	0	0	100
Critical (15%)	100	100	139	395	453	403	110	100	100	0	0	100

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-18-10. Fremont Weir, Monthly Spills

Existing Condition

	Monthly Spills (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	8,900	25,431	35,828	18,376	1,191	0	0	0	0	0
20%	0	0	163	6,615	10,476	4,328	0	0	0	0	0	0
30%	0	0	0	945	4,562	274	0	0	0	0	0	0
40%	0	0	0	0	1,014	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	17	263	2,388	7,170	9,269	5,946	1,014	110	26	0	0	0
Water Year Types[b]												
Wet (32%)	53	828	6,724	20,528	23,869	15,897	3,122	345	82	0	0	0
Above Normal (15%)	0	0	823	4,359	9,430	6,058	124	0	0	0	0	0
Below Normal (17%)	0	0	793	0	1,179	1	36	0	0	0	0	0
Dry (22%)	0	0	0	103	542	86	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0

Alternative 6A,6B,6C (LLT)

	Monthly Spills (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	100	100	9,377	27,615	45,151	22,878	5,755	100	100	0	0	100
20%	100	100	3,229	12,119	15,529	8,213	4,038	100	100	0	0	100
30%	100	100	1,330	5,548	8,683	5,737	953	100	100	0	0	100
40%	100	100	511	2,776	5,456	3,736	313	100	100	0	0	100
50%	100	100	186	1,461	3,315	1,781	110	100	100	0	0	100
60%	100	100	100	833	1,906	1,033	100	100	100	0	0	100
70%	100	100	100	145	487	519	100	100	100	0	0	100
80%	100	100	100	100	132	177	100	100	100	0	0	100
90%	100	100	100	100	100	100	100	100	100	0	0	100
Long Term												
Full Simulation Period[a]	119	262	3,470	10,711	13,248	8,755	2,201	115	100	0	0	100
Water Year Types[b]												
Wet (32%)	159	611	9,440	28,783	32,380	21,060	5,714	146	100	0	0	100
Above Normal (15%)	100	100	1,520	7,422	13,722	10,486	1,632	100	100	0	0	100
Below Normal (17%)	100	100	931	1,648	3,266	1,238	547	100	100	0	0	100
Dry (22%)	100	100	341	730	1,574	1,241	189	100	100	0	0	100
Critical (15%)	100	100	137	391	479	403	106	100	100	0	0	100

Alternative 6A,6B,6C (LLT) minus Existing Condition

	Monthly Spills (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	100	100	477	2,184	9,323	4,502	4,564	100	100	0	0	100
20%	100	100	3,066	5,504	5,053	3,885	4,038	100	100	0	0	100
30%	100	100	1,330	4,603	4,120	5,463	953	100	100	0	0	100
40%	100	100	511	2,776	4,441	3,736	313	100	100	0	0	100
50%	100	100	186	1,461	3,315	1,781	110	100	100	0	0	100
60%	100	100	100	833	1,906	1,033	100	100	100	0	0	100
70%	100	100	100	145	487	519	100	100	100	0	0	100
80%	100	100	100	100	132	177	100	100	100	0	0	100
90%	100	100	100	100	100	100	100	100	100	0	0	100
Long Term												
Full Simulation Period[a]	102	-1	1,082	3,542	3,980	2,809	1,187	5	74	0	0	100
Water Year Types[b]												
Wet (32%)	106	-217	2,717	8,255	8,511	5,163	2,592	-199	18	0	0	100
Above Normal (15%)	100	100	696	3,063	4,292	4,428	1,509	100	100	0	0	100
Below Normal (17%)	100	100	138	1,648	2,087	1,237	511	100	100	0	0	100
Dry (22%)	100	100	341	627	1,032	1,155	189	100	100	0	0	100
Critical (15%)	100	100	137	391	479	403	106	100	100	0	0	100

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-18-11. Fremont Weir, Monthly Spills

Existing Condition

	Monthly Spills (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	8,900	25,431	35,828	18,376	1,191	0	0	0	0	0
20%	0	0	163	6,615	10,476	4,328	0	0	0	0	0	0
30%	0	0	0	945	4,562	274	0	0	0	0	0	0
40%	0	0	0	0	1,014	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	17	263	2,388	7,170	9,269	5,946	1,014	110	26	0	0	0
Water Year Types[b]												
Wet (32%)	53	828	6,724	20,528	23,869	15,897	3,122	345	82	0	0	0
Above Normal (15%)	0	0	823	4,359	9,430	6,058	124	0	0	0	0	0
Below Normal (17%)	0	0	793	0	1,179	1	36	0	0	0	0	0
Dry (22%)	0	0	0	103	542	86	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0

Alternative 7 (LLT)

	Monthly Spills (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	10,401	25,900	45,813	20,330	4,000	0	0	0	0	0
20%	0	0	3,746	12,188	15,942	8,517	2,498	0	0	0	0	0
30%	0	0	1,462	6,627	8,821	7,000	797	0	0	0	0	0
40%	0	0	439	3,299	6,478	4,653	111	0	0	0	0	0
50%	0	0	87	1,717	4,103	2,075	9	0	0	0	0	0
60%	0	0	2	852	1,721	819	0	0	0	0	0	0
70%	0	0	0	77	765	498	0	0	0	0	0	0
80%	0	0	0	6	47	100	0	0	0	0	0	0
90%	0	0	0	0	1	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	13	169	3,453	10,543	13,575	8,901	1,722	15	0	0	0	0
Water Year Types[b]												
Wet (32%)	42	532	9,276	28,039	33,084	21,322	4,613	46	0	0	0	0
Above Normal (15%)	0	0	1,970	7,711	13,923	10,650	1,275	0	0	0	0	0
Below Normal (17%)	0	0	904	1,917	3,588	1,447	290	0	0	0	0	0
Dry (22%)	0	0	288	662	1,646	1,285	101	0	0	0	0	0
Critical (15%)	0	0	41	349	501	357	7	0	0	0	0	0

Alternative 7 (LLT) minus Existing Condition

	Monthly Spills (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	1,501	469	9,985	1,954	2,809	0	0	0	0	0
20%	0	0	3,583	5,573	5,466	4,189	2,498	0	0	0	0	0
30%	0	0	1,462	5,682	4,259	6,726	797	0	0	0	0	0
40%	0	0	439	3,299	5,463	4,653	111	0	0	0	0	0
50%	0	0	87	1,717	4,103	2,075	9	0	0	0	0	0
60%	0	0	2	852	1,721	819	0	0	0	0	0	0
70%	0	0	0	77	765	498	0	0	0	0	0	0
80%	0	0	0	6	47	100	0	0	0	0	0	0
90%	0	0	0	0	1	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	-3	-94	1,065	3,373	4,306	2,954	708	-95	-26	0	0	0
Water Year Types[b]												
Wet (32%)	-10	-297	2,553	7,511	9,215	5,424	1,491	-299	-82	0	0	0
Above Normal (15%)	0	0	1,147	3,352	4,493	4,592	1,152	0	0	0	0	0
Below Normal (17%)	0	0	111	1,917	2,409	1,446	254	0	0	0	0	0
Dry (22%)	0	0	288	559	1,104	1,199	101	0	0	0	0	0
Critical (15%)	0	0	41	349	501	357	7	0	0	0	0	0

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-18-12. Fremont Weir, Monthly Spills

Existing Condition

	Monthly Spills (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	8,900	25,431	35,828	18,376	1,191	0	0	0	0	0
20%	0	0	163	6,615	10,476	4,328	0	0	0	0	0	0
30%	0	0	0	945	4,562	274	0	0	0	0	0	0
40%	0	0	0	0	1,014	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	17	263	2,388	7,170	9,269	5,946	1,014	110	26	0	0	0
Water Year Types[b]												
Wet (32%)	53	828	6,724	20,528	23,869	15,897	3,122	345	82	0	0	0
Above Normal (15%)	0	0	823	4,359	9,430	6,058	124	0	0	0	0	0
Below Normal (17%)	0	0	793	0	1,179	1	36	0	0	0	0	0
Dry (22%)	0	0	0	103	542	86	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0

Alternative 8 (LLT)

	Monthly Spills (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	7,994	36,016	42,501	21,804	6,114	0	0	0	0	0
20%	0	0	3,507	13,965	16,257	9,107	3,812	0	0	0	0	0
30%	0	0	1,563	7,246	9,683	7,315	2,865	0	0	0	0	0
40%	0	0	395	3,917	7,125	5,286	1,462	0	0	0	0	0
50%	0	0	92	2,444	4,571	3,836	754	0	0	0	0	0
60%	0	0	2	1,451	3,164	2,723	469	0	0	0	0	0
70%	0	0	0	119	1,489	1,335	132	0	0	0	0	0
80%	0	0	0	9	289	360	22	0	0	0	0	0
90%	0	0	0	0	3	23	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	13	122	3,418	11,491	13,579	9,495	2,522	35	0	0	0	0
Water Year Types[b]												
Wet (32%)	40	384	9,444	30,139	32,208	21,535	5,424	111	0	0	0	0
Above Normal (15%)	0	0	1,223	8,597	13,837	10,622	2,612	0	0	0	0	0
Below Normal (17%)	0	0	1,064	2,427	3,983	2,785	1,563	0	0	0	0	0
Dry (22%)	0	0	266	886	2,633	2,581	658	0	0	0	0	0
Critical (15%)	0	0	34	466	571	481	62	0	0	0	0	0

Alternative 8 (LLT) minus Existing Condition

	Monthly Spills (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	-907	10,584	6,673	3,428	4,923	0	0	0	0	0
20%	0	0	3,344	7,349	5,781	4,780	3,812	0	0	0	0	0
30%	0	0	1,563	6,301	5,121	7,041	2,865	0	0	0	0	0
40%	0	0	395	3,917	6,110	5,286	1,462	0	0	0	0	0
50%	0	0	92	2,444	4,571	3,836	754	0	0	0	0	0
60%	0	0	2	1,451	3,164	2,723	469	0	0	0	0	0
70%	0	0	0	119	1,489	1,335	132	0	0	0	0	0
80%	0	0	0	9	289	360	22	0	0	0	0	0
90%	0	0	0	0	3	23	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	-4	-141	1,031	4,322	4,310	3,549	1,508	-74	-26	0	0	0
Water Year Types[b]												
Wet (32%)	-12	-445	2,720	9,611	8,339	5,637	2,302	-234	-82	0	0	0
Above Normal (15%)	0	0	400	4,237	4,407	4,564	2,489	0	0	0	0	0
Below Normal (17%)	0	0	271	2,427	2,804	2,784	1,526	0	0	0	0	0
Dry (22%)	0	0	266	783	2,091	2,496	658	0	0	0	0	0
Critical (15%)	0	0	34	466	571	481	62	0	0	0	0	0

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-18-13. Fremont Weir, Monthly Spills

Existing Condition

	Monthly Spills (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	8,900	25,431	35,828	18,376	1,191	0	0	0	0	0
20%	0	0	163	6,615	10,476	4,328	0	0	0	0	0	0
30%	0	0	0	945	4,562	274	0	0	0	0	0	0
40%	0	0	0	0	1,014	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	17	263	2,388	7,170	9,269	5,946	1,014	110	26	0	0	0
Water Year Types[b]												
Wet (32%)	53	828	6,724	20,528	23,869	15,897	3,122	345	82	0	0	0
Above Normal (15%)	0	0	823	4,359	9,430	6,058	124	0	0	0	0	0
Below Normal (17%)	0	0	793	0	1,179	1	36	0	0	0	0	0
Dry (22%)	0	0	0	103	542	86	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0

Alternative 9 (LLT)

	Monthly Spills (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	100	100	8,062	26,689	43,348	19,508	5,748	100	100	0	0	100
20%	100	100	2,823	11,336	15,499	8,030	4,045	100	100	0	0	100
30%	100	100	1,310	5,462	8,263	5,039	861	100	100	0	0	100
40%	100	100	497	2,778	5,199	3,658	308	100	100	0	0	100
50%	100	100	176	1,473	3,247	1,732	121	100	100	0	0	100
60%	100	100	100	737	1,496	946	100	100	100	0	0	100
70%	100	100	100	141	570	345	100	100	100	0	0	100
80%	100	100	100	100	124	183	100	100	100	0	0	100
90%	100	100	100	100	100	100	100	100	100	0	0	100
Long Term												
Full Simulation Period[a]	113	265	2,968	9,969	12,595	8,481	2,187	113	100	0	0	100
Water Year Types[b]												
Wet (32%)	140	621	7,748	26,900	31,371	20,664	5,680	142	100	0	0	100
Above Normal (15%)	100	100	1,455	6,556	11,996	9,538	1,613	100	100	0	0	100
Below Normal (17%)	100	100	1,198	1,658	2,846	1,231	546	100	100	0	0	100
Dry (22%)	100	100	337	640	1,550	1,206	185	100	100	0	0	100
Critical (15%)	100	100	137	390	453	403	108	100	100	0	0	100

Alternative 9 (LLT) minus Existing Condition

	Monthly Spills (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	100	100	**-838**	1,258	7,520	1,132	4,557	100	100	0	0	100
20%	100	100	2,660	4,720	5,023	3,702	4,045	100	100	0	0	100
30%	100	100	1,310	4,517	3,700	4,764	861	100	100	0	0	100
40%	100	100	497	2,778	4,184	3,658	308	100	100	0	0	100
50%	100	100	176	1,473	3,247	1,732	121	100	100	0	0	100
60%	100	100	100	737	1,496	946	100	100	100	0	0	100
70%	100	100	100	141	570	345	100	100	100	0	0	100
80%	100	100	100	100	124	183	100	100	100	0	0	100
90%	100	100	100	100	100	100	100	100	100	0	0	100
Long Term												
Full Simulation Period[a]	96	3	580	2,800	3,326	2,535	1,172	4	74	0	0	100
Water Year Types[b]												
Wet (32%)	87	**-207**	1,024	6,371	7,502	4,767	2,558	**-204**	18	0	0	100
Above Normal (15%)	100	100	631	2,197	2,566	3,479	1,489	100	100	0	0	100
Below Normal (17%)	100	100	405	1,658	1,667	1,230	509	100	100	0	0	100
Dry (22%)	100	100	337	537	1,008	1,120	185	100	100	0	0	100
Critical (15%)	100	100	137	390	453	403	108	100	100	0	0	100

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-18-14. Fremont Weir, Monthly Spills

No Action Alternative (LLT)

	Monthly Spills (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0	0	5,079	23,714	42,108	17,813	1,744	0	0	0	0	0
20%	0	0	0	9,090	14,222	5,684	0	0	0	0	0	0
30%	0	0	0	849	3,953	621	0	0	0	0	0	0
40%	0	0	0	0	821	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	12	159	2,151	8,533	11,171	7,037	1,142	14	0	0	0	0
Water Year Types[b]												
Wet (32%)	39	502	5,906	24,758	29,796	18,802	3,513	43	0	0	0	0
Above Normal (15%)	0	0	926	4,602	10,011	7,175	158	0	0	0	0	0
Below Normal (17%)	0	0	839	0	691	5	28	0	0	0	0	0
Dry (22%)	0	0	0	45	641	111	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0

Alternative 1A,1B,1C (LLT)

	Monthly Spills (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	100	100	10,029	31,930	45,540	24,952	5,753	100	100	0	0	100
20%	100	100	2,878	11,974	15,547	8,001	4,022	100	100	0	0	100
30%	100	100	1,679	5,048	9,356	5,728	1,136	100	100	0	0	100
40%	100	100	649	2,896	5,237	3,657	375	100	100	0	0	100
50%	100	100	251	1,638	3,232	2,168	177	100	100	0	0	100
60%	100	100	113	1,079	1,961	1,359	119	100	100	0	0	100
70%	100	100	100	332	596	584	100	100	100	0	0	100
80%	100	100	100	108	143	150	100	100	100	0	0	100
90%	100	100	100	100	100	100	100	100	100	0	0	100
Long Term												
Full Simulation Period[a]	113	302	3,409	10,373	13,383	8,736	2,195	113	100	0	0	100
Water Year Types[b]												
Wet (32%)	140	736	9,094	28,086	32,583	21,084	5,627	142	100	0	0	100
Above Normal (15%)	100	100	1,513	6,353	14,110	10,114	1,651	100	100	0	0	100
Below Normal (17%)	100	100	1,169	1,830	3,414	1,485	586	100	100	0	0	100
Dry (22%)	100	100	386	768	1,556	1,178	243	100	100	0	0	100
Critical (15%)	100	100	140	389	426	401	106	100	100	0	0	100

Alternative 1A,1B,1C (LLT) minus No Action Alternative (LLT)

	Monthly Spills (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	100	100	4,951	8,216	3,432	7,139	4,009	100	100	0	0	100
20%	100	100	2,878	2,884	1,324	2,317	4,022	100	100	0	0	100
30%	100	100	1,679	4,200	5,403	5,107	1,136	100	100	0	0	100
40%	100	100	649	2,896	4,416	3,657	375	100	100	0	0	100
50%	100	100	251	1,638	3,232	2,168	177	100	100	0	0	100
60%	100	100	113	1,079	1,961	1,359	119	100	100	0	0	100
70%	100	100	100	332	596	584	100	100	100	0	0	100
80%	100	100	100	108	143	150	100	100	100	0	0	100
90%	100	100	100	100	100	100	100	100	100	0	0	100
Long Term												
Full Simulation Period[a]	100	142	1,258	1,840	2,212	1,699	1,053	100	100	0	0	100
Water Year Types[b]												
Wet (32%)	101	234	3,188	3,328	2,787	2,282	2,114	100	100	0	0	100
Above Normal (15%)	100	100	586	1,752	4,099	2,939	1,493	100	100	0	0	100
Below Normal (17%)	100	100	330	1,830	2,723	1,480	558	100	100	0	0	100
Dry (22%)	100	100	386	723	915	1,067	243	100	100	0	0	100
Critical (15%)	100	100	140	389	426	401	106	100	100	0	0	100

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-18-15. Fremont Weir, Monthly Spills

No Action Alternative (LLT)

	Monthly Spills (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0	0	5,079	23,714	42,108	17,813	1,744	0	0	0	0	0
20%	0	0	0	9,090	14,222	5,684	0	0	0	0	0	0
30%	0	0	0	849	3,953	621	0	0	0	0	0	0
40%	0	0	0	0	821	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	12	159	2,151	8,533	11,171	7,037	1,142	14	0	0	0	0
Water Year Types[b]												
Wet (32%)	39	502	5,906	24,758	29,796	18,802	3,513	43	0	0	0	0
Above Normal (15%)	0	0	926	4,602	10,011	7,175	158	0	0	0	0	0
Below Normal (17%)	0	0	839	0	691	5	28	0	0	0	0	0
Dry (22%)	0	0	0	45	641	111	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0

Alternative 2A,2B,2C (LLT)

	Monthly Spills (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	100	100	7,400	25,432	42,356	21,378	5,749	100	100	0	0	100
20%	100	100	2,816	10,293	18,635	8,032	4,015	100	100	0	0	100
30%	100	100	1,397	5,412	7,436	5,732	1,134	100	100	0	0	100
40%	100	100	525	2,800	5,583	3,757	349	100	100	0	0	100
50%	100	100	216	1,448	3,244	1,736	113	100	100	0	0	100
60%	100	100	103	805	1,774	1,061	101	100	100	0	0	100
70%	100	100	100	178	640	548	100	100	100	0	0	100
80%	100	100	100	102	131	150	100	100	100	0	0	100
90%	100	100	100	100	100	100	100	100	100	0	0	100
Long Term												
Full Simulation Period[a]	113	256	3,108	9,594	12,987	8,586	2,204	113	100	0	0	100
Water Year Types[b]												
Wet (32%)	142	591	8,123	25,924	32,140	20,785	5,693	142	100	0	0	100
Above Normal (15%)	100	100	1,520	6,113	12,998	9,967	1,627	100	100	0	0	100
Below Normal (17%)	100	100	1,260	1,630	2,849	1,212	569	100	100	0	0	100
Dry (22%)	100	100	338	655	1,557	1,233	221	100	100	0	0	100
Critical (15%)	100	100	139	390	452	404	106	100	100	0	0	100

Alternative 2A,2B,2C (LLT) minus No Action Alternative (LLT)

	Monthly Spills (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	100	100	2,321	1,718	247	3,565	4,005	100	100	0	0	100
20%	100	100	2,816	1,202	4,413	2,348	4,015	100	100	0	0	100
30%	100	100	1,397	4,564	3,483	5,111	1,134	100	100	0	0	100
40%	100	100	525	2,800	4,762	3,757	349	100	100	0	0	100
50%	100	100	216	1,448	3,244	1,736	113	100	100	0	0	100
60%	100	100	103	805	1,774	1,061	101	100	100	0	0	100
70%	100	100	100	178	640	548	100	100	100	0	0	100
80%	100	100	100	102	131	150	100	100	100	0	0	100
90%	100	100	100	100	100	100	100	100	100	0	0	100
Long Term												
Full Simulation Period[a]	101	97	956	1,061	1,816	1,549	1,063	100	100	0	0	100
Water Year Types[b]												
Wet (32%)	103	89	2,217	1,167	2,345	1,983	2,180	99	100	0	0	100
Above Normal (15%)	100	100	594	1,511	2,987	2,792	1,470	100	100	0	0	100
Below Normal (17%)	100	100	421	1,630	2,158	1,207	541	100	100	0	0	100
Dry (22%)	100	100	338	611	916	1,122	221	100	100	0	0	100
Critical (15%)	100	100	139	390	452	404	106	100	100	0	0	100

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-18-16. Fremont Weir, Monthly Spills

No Action Alternative (LLT)

	Monthly Spills (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	5,079	23,714	42,108	17,813	1,744	0	0	0	0	0
20%	0	0	0	9,090	14,222	5,684	0	0	0	0	0	0
30%	0	0	0	849	3,953	621	0	0	0	0	0	0
40%	0	0	0	0	821	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	12	159	2,151	8,533	11,171	7,037	1,142	14	0	0	0	0
Water Year Types[b]												
Wet (32%)	39	502	5,906	24,758	29,796	18,802	3,513	43	0	0	0	0
Above Normal (15%)	0	0	926	4,602	10,011	7,175	158	0	0	0	0	0
Below Normal (17%)	0	0	839	0	691	5	28	0	0	0	0	0
Dry (22%)	0	0	0	45	641	111	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0

Alternative 3 (LLT)

	Monthly Spills (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	100	100	10,503	31,514	44,463	24,966	5,754	100	100	0	0	100
20%	100	100	2,874	12,482	15,542	8,071	4,006	100	100	0	0	100
30%	100	100	1,621	5,109	8,675	5,662	1,134	100	100	0	0	100
40%	100	100	578	3,087	5,122	3,657	354	100	100	0	0	100
50%	100	100	288	1,631	3,241	2,043	161	100	100	0	0	100
60%	100	100	139	1,090	1,962	1,323	111	100	100	0	0	100
70%	100	100	100	264	752	583	100	100	100	0	0	100
80%	100	100	100	101	140	176	100	100	100	0	0	100
90%	100	100	100	100	100	100	100	100	100	0	0	100
Long Term												
Full Simulation Period[a]	113	303	3,428	10,404	13,435	8,731	2,195	114	100	0	0	100
Water Year Types[b]												
Wet (32%)	141	739	9,111	28,120	32,831	21,135	5,660	146	100	0	0	100
Above Normal (15%)	100	100	1,577	6,457	13,792	9,909	1,644	100	100	0	0	100
Below Normal (17%)	100	100	1,153	1,816	3,362	1,500	570	100	100	0	0	100
Dry (22%)	100	100	415	801	1,689	1,200	215	100	100	0	0	100
Critical (15%)	100	100	141	389	426	407	106	100	100	0	0	100

Alternative 3 (LLT) minus No Action Alternative (LLT)

	Monthly Spills (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	100	100	5,425	7,800	2,355	7,153	4,009	100	100	0	0	100
20%	100	100	2,874	3,392	1,319	2,386	4,006	100	100	0	0	100
30%	100	100	1,621	4,260	4,723	5,041	1,134	100	100	0	0	100
40%	100	100	578	3,087	4,301	3,657	354	100	100	0	0	100
50%	100	100	288	1,631	3,241	2,043	161	100	100	0	0	100
60%	100	100	139	1,090	1,962	1,323	111	100	100	0	0	100
70%	100	100	100	264	752	583	100	100	100	0	0	100
80%	100	100	100	101	140	176	100	100	100	0	0	100
90%	100	100	100	100	100	100	100	100	100	0	0	100
Long Term												
Full Simulation Period[a]	101	143	1,277	1,871	2,264	1,694	1,054	101	100	0	0	100
Water Year Types[b]												
Wet (32%)	102	237	3,205	3,363	3,035	2,332	2,147	103	100	0	0	100
Above Normal (15%)	100	100	651	1,855	3,781	2,735	1,486	100	100	0	0	100
Below Normal (17%)	100	100	314	1,816	2,672	1,495	542	100	100	0	0	100
Dry (22%)	100	100	415	756	1,048	1,089	215	100	100	0	0	100
Critical (15%)	100	100	141	389	426	407	106	100	100	0	0	100

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-18-17. Fremont Weir, Monthly Spills

No Action Alternative (LLT)

	Monthly Spills (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	5,079	23,714	42,108	17,813	1,744	0	0	0	0	0
20%	0	0	0	9,090	14,222	5,684	0	0	0	0	0	0
30%	0	0	0	849	3,953	621	0	0	0	0	0	0
40%	0	0	0	0	821	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	12	159	2,151	8,533	11,171	7,037	1,142	14	0	0	0	0
Water Year Types[b]												
Wet (32%)	39	502	5,906	24,758	29,796	18,802	3,513	43	0	0	0	0
Above Normal (15%)	0	0	926	4,602	10,011	7,175	158	0	0	0	0	0
Below Normal (17%)	0	0	839	0	691	5	28	0	0	0	0	0
Dry (22%)	0	0	0	45	641	111	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0

Alternative 4 H1 (LLT)

	Monthly Spills (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	100	100	9,689	32,168	45,187	24,910	5,751	100	100	0	0	100
20%	100	100	3,092	13,396	15,544	8,025	4,014	100	100	0	0	100
30%	100	100	1,430	5,512	8,531	5,730	1,128	100	100	0	0	100
40%	100	100	526	3,012	5,583	3,758	352	100	100	0	0	100
50%	100	100	247	1,668	3,246	1,978	114	100	100	0	0	100
60%	100	100	128	1,042	2,002	1,304	101	100	100	0	0	100
70%	100	100	100	267	718	564	100	100	100	0	0	100
80%	100	100	100	114	143	150	100	100	100	0	0	100
90%	100	100	100	100	100	100	100	100	100	0	0	100
Long Term												
Full Simulation Period[a]	113	333	3,406	10,527	13,365	8,722	2,215	113	100	0	0	100
Water Year Types[b]												
Wet (32%)	141	836	9,004	28,253	32,573	21,004	5,723	142	100	0	0	100
Above Normal (15%)	100	100	1,550	7,139	13,981	10,209	1,646	100	100	0	0	100
Below Normal (17%)	100	100	1,313	1,792	3,443	1,461	568	100	100	0	0	100
Dry (22%)	100	100	358	691	1,550	1,185	215	100	100	0	0	100
Critical (15%)	100	100	144	455	425	402	106	100	100	0	0	100

Alternative 4 H1 (LLT) minus No Action Alternative (LLT)

	Monthly Spills (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	100	100	4,611	8,454	3,079	7,097	4,006	100	100	0	0	100
20%	100	100	3,092	4,306	1,321	2,341	4,014	100	100	0	0	100
30%	100	100	1,430	4,663	4,578	5,108	1,128	100	100	0	0	100
40%	100	100	526	3,012	4,762	3,758	352	100	100	0	0	100
50%	100	100	247	1,668	3,246	1,978	114	100	100	0	0	100
60%	100	100	128	1,042	2,002	1,304	101	100	100	0	0	100
70%	100	100	100	267	718	564	100	100	100	0	0	100
80%	100	100	100	114	143	150	100	100	100	0	0	100
90%	100	100	100	100	100	100	100	100	100	0	0	100
Long Term												
Full Simulation Period[a]	101	174	1,254	1,994	2,193	1,685	1,073	100	100	0	0	100
Water Year Types[b]												
Wet (32%)	102	334	3,099	3,496	2,777	2,202	2,210	99	100	0	0	100
Above Normal (15%)	100	100	623	2,537	3,970	3,035	1,488	100	100	0	0	100
Below Normal (17%)	100	100	474	1,792	2,753	1,456	540	100	100	0	0	100
Dry (22%)	100	100	358	646	909	1,074	215	100	100	0	0	100
Critical (15%)	100	100	144	455	425	402	106	100	100	0	0	100

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-18-18. Fremont Weir, Monthly Spills

No Action Alternative (LLT)

	Monthly Spills (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	5,079	23,714	42,108	17,813	1,744	0	0	0	0	0
20%	0	0	0	9,090	14,222	5,684	0	0	0	0	0	0
30%	0	0	0	849	3,953	621	0	0	0	0	0	0
40%	0	0	0	0	821	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	12	159	2,151	8,533	11,171	7,037	1,142	14	0	0	0	0
Water Year Types[b]												
Wet (32%)	39	502	5,906	24,758	29,796	18,802	3,513	43	0	0	0	0
Above Normal (15%)	0	0	926	4,602	10,011	7,175	158	0	0	0	0	0
Below Normal (17%)	0	0	839	0	691	5	28	0	0	0	0	0
Dry (22%)	0	0	0	45	641	111	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0

Alternative 4 H2 (LLT)

	Monthly Spills (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	100	100	11,926	35,516	45,448	24,886	5,790	100	100	0	0	100
20%	100	100	3,229	11,284	16,123	8,032	4,214	100	100	0	0	100
30%	100	100	1,599	5,554	8,977	5,418	3,270	100	100	0	0	100
40%	100	100	517	3,214	5,144	3,799	2,117	100	100	0	0	100
50%	100	100	225	1,728	3,251	1,981	839	100	100	0	0	100
60%	100	100	100	909	1,770	1,399	167	100	100	0	0	100
70%	100	100	100	268	569	539	100	100	100	0	0	100
80%	100	100	100	122	134	148	100	100	100	0	0	100
90%	100	100	100	100	100	100	100	100	100	0	0	100
Long Term												
Full Simulation Period[a]	113	314	3,623	10,451	13,416	8,758	2,733	113	100	0	0	100
Water Year Types[b]												
Wet (32%)	141	776	9,864	28,095	32,506	21,030	6,365	142	100	0	0	100
Above Normal (15%)	100	100	1,244	6,870	14,404	10,174	2,566	100	100	0	0	100
Below Normal (17%)	100	100	1,249	1,890	3,506	1,583	1,396	100	100	0	0	100
Dry (22%)	100	100	363	712	1,549	1,226	391	100	100	0	0	100
Critical (15%)	100	100	141	398	427	418	106	100	100	0	0	100

Alternative 4 H2 (LLT) minus No Action Alternative (LLT)

	Monthly Spills (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	100	100	6,847	11,802	3,340	7,073	4,046	100	100	0	0	100
20%	100	100	3,229	2,194	1,901	2,348	4,214	100	100	0	0	100
30%	100	100	1,599	4,706	5,024	4,797	3,270	100	100	0	0	100
40%	100	100	517	3,214	4,323	3,799	2,117	100	100	0	0	100
50%	100	100	225	1,728	3,251	1,981	839	100	100	0	0	100
60%	100	100	100	909	1,770	1,399	167	100	100	0	0	100
70%	100	100	100	268	569	539	100	100	100	0	0	100
80%	100	100	100	122	134	148	100	100	100	0	0	100
90%	100	100	100	100	100	100	100	100	100	0	0	100
Long Term												
Full Simulation Period[a]	101	155	1,472	1,917	2,245	1,721	1,592	100	100	0	0	100
Water Year Types[b]												
Wet (32%)	102	275	3,958	3,337	2,710	2,228	2,852	100	100	0	0	100
Above Normal (15%)	100	100	317	2,268	4,393	3,000	2,408	100	100	0	0	100
Below Normal (17%)	100	100	411	1,890	2,816	1,578	1,368	100	100	0	0	100
Dry (22%)	100	100	363	667	907	1,115	391	100	100	0	0	100
Critical (15%)	100	100	141	398	427	418	106	100	100	0	0	100

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-18-19. Fremont Weir, Monthly Spills

No Action Alternative (LLT)

	Monthly Spills (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	5,079	23,714	42,108	17,813	1,744	0	0	0	0	0
20%	0	0	0	9,090	14,222	5,684	0	0	0	0	0	0
30%	0	0	0	849	3,953	621	0	0	0	0	0	0
40%	0	0	0	0	821	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	12	159	2,151	8,533	11,171	7,037	1,142	14	0	0	0	0
Water Year Types[b]												
Wet (32%)	39	502	5,906	24,758	29,796	18,802	3,513	43	0	0	0	0
Above Normal (15%)	0	0	926	4,602	10,011	7,175	158	0	0	0	0	0
Below Normal (17%)	0	0	839	0	691	5	28	0	0	0	0	0
Dry (22%)	0	0	0	45	641	111	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0

Alternative 4 H3 (LLT)

	Monthly Spills (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	100	100	6,879	25,466	43,746	21,552	5,748	100	100	0	0	100
20%	100	100	2,770	11,310	17,192	8,031	4,013	100	100	0	0	100
30%	100	100	1,461	5,420	7,472	5,727	1,095	100	100	0	0	100
40%	100	100	518	2,795	5,582	3,757	349	100	100	0	0	100
50%	100	100	182	1,462	3,247	1,735	113	100	100	0	0	100
60%	100	100	107	911	1,775	964	101	100	100	0	0	100
70%	100	100	100	199	609	454	100	100	100	0	0	100
80%	100	100	100	103	131	177	100	100	100	0	0	100
90%	100	100	100	100	100	100	100	100	100	0	0	100
Long Term												
Full Simulation Period[a]	113	253	3,075	9,568	13,055	8,532	2,206	113	100	0	0	100
Water Year Types[b]												
Wet (32%)	141	581	8,075	25,795	32,418	20,724	5,692	141	100	0	0	100
Above Normal (15%)	100	100	1,421	6,176	12,875	9,851	1,636	100	100	0	0	100
Below Normal (17%)	100	100	1,241	1,630	2,838	1,171	580	100	100	0	0	100
Dry (22%)	100	100	337	637	1,552	1,188	216	100	100	0	0	100
Critical (15%)	100	100	144	457	452	402	106	100	100	0	0	100

Alternative 4 H3 (LLT) minus No Action Alternative (LLT)

	Monthly Spills (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	100	100	1,800	1,752	1,638	3,740	4,004	100	100	0	0	100
20%	100	100	2,770	2,220	2,969	2,347	4,013	100	100	0	0	100
30%	100	100	1,461	4,571	3,520	5,106	1,095	100	100	0	0	100
40%	100	100	518	2,795	4,761	3,757	349	100	100	0	0	100
50%	100	100	182	1,462	3,247	1,735	113	100	100	0	0	100
60%	100	100	107	911	1,775	964	101	100	100	0	0	100
70%	100	100	100	199	609	454	100	100	100	0	0	100
80%	100	100	100	103	131	177	100	100	100	0	0	100
90%	100	100	100	100	100	100	100	100	100	0	0	100
Long Term												
Full Simulation Period[a]	101	94	924	1,034	1,883	1,495	1,064	100	100	0	0	100
Water Year Types[b]												
Wet (32%)	102	80	2,169	1,037	2,622	1,922	2,179	99	100	0	0	100
Above Normal (15%)	100	100	495	1,575	2,864	2,677	1,478	100	100	0	0	100
Below Normal (17%)	100	100	402	1,630	2,147	1,167	552	100	100	0	0	100
Dry (22%)	100	100	337	592	911	1,077	216	100	100	0	0	100
Critical (15%)	100	100	144	457	452	402	106	100	100	0	0	100

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-18-20. Fremont Weir, Monthly Spills

No Action Alternative (LLT)

	Monthly Spills (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	5,079	23,714	42,108	17,813	1,744	0	0	0	0	0
20%	0	0	0	9,090	14,222	5,684	0	0	0	0	0	0
30%	0	0	0	849	3,953	621	0	0	0	0	0	0
40%	0	0	0	0	821	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	12	159	2,151	8,533	11,171	7,037	1,142	14	0	0	0	0
Water Year Types[b]												
Wet (32%)	39	502	5,906	24,758	29,796	18,802	3,513	43	0	0	0	0
Above Normal (15%)	0	0	926	4,602	10,011	7,175	158	0	0	0	0	0
Below Normal (17%)	0	0	839	0	691	5	28	0	0	0	0	0
Dry (22%)	0	0	0	45	641	111	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0

Alternative 4 H4 (LLT)

	Monthly Spills (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	100	100	8,413	30,882	45,350	25,003	5,789	100	100	0	0	100
20%	100	100	2,842	11,400	15,523	8,032	4,172	100	100	0	0	100
30%	100	100	1,455	5,394	7,289	5,578	3,270	100	100	0	0	100
40%	100	100	513	2,865	5,330	3,657	2,122	100	100	0	0	100
50%	100	100	164	1,451	3,250	1,782	825	100	100	0	0	100
60%	100	100	100	747	1,711	917	166	100	100	0	0	100
70%	100	100	100	139	555	428	100	100	100	0	0	100
80%	100	100	100	101	126	149	100	100	100	0	0	100
90%	100	100	100	100	100	100	100	100	100	0	0	100
Long Term												
Full Simulation Period[a]	113	255	3,187	10,048	12,937	8,640	2,734	114	100	0	0	100
Water Year Types[b]												
Wet (32%)	142	590	8,524	27,172	31,738	20,999	6,333	143	100	0	0	100
Above Normal (15%)	100	100	1,259	6,494	13,332	9,832	2,654	100	100	0	0	100
Below Normal (17%)	100	100	1,194	1,679	3,016	1,275	1,383	100	100	0	0	100
Dry (22%)	100	100	344	631	1,553	1,211	389	100	100	0	0	100
Critical (15%)	100	100	139	389	456	404	106	100	100	0	0	100

Alternative 4 H4 (LLT) minus No Action Alternative (LLT)

	Monthly Spills (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	100	100	3,334	7,168	3,242	7,190	4,045	100	100	0	0	100
20%	100	100	2,842	2,310	1,301	2,347	4,172	100	100	0	0	100
30%	100	100	1,455	4,545	3,336	4,957	3,270	100	100	0	0	100
40%	100	100	513	2,865	4,509	3,657	2,122	100	100	0	0	100
50%	100	100	164	1,451	3,250	1,782	825	100	100	0	0	100
60%	100	100	100	747	1,711	917	166	100	100	0	0	100
70%	100	100	100	139	555	428	100	100	100	0	0	100
80%	100	100	100	101	126	149	100	100	100	0	0	100
90%	100	100	100	100	100	100	100	100	100	0	0	100
Long Term												
Full Simulation Period[a]	101	96	1,035	1,515	1,766	1,603	1,592	100	100	0	0	100
Water Year Types[b]												
Wet (32%)	103	88	2,618	2,414	1,942	2,197	2,821	100	100	0	0	100
Above Normal (15%)	100	100	332	1,892	3,321	2,657	2,496	100	100	0	0	100
Below Normal (17%)	100	100	356	1,679	2,325	1,270	1,355	100	100	0	0	100
Dry (22%)	100	100	344	586	912	1,099	389	100	100	0	0	100
Critical (15%)	100	100	139	389	456	404	106	100	100	0	0	100

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-18-21. Fremont Weir, Monthly Spills

No Action Alternative (LLT)

	Monthly Spills (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0	0	5,079	23,714	42,108	17,813	1,744	0	0	0	0	0
20%	0	0	0	9,090	14,222	5,684	0	0	0	0	0	0
30%	0	0	0	849	3,953	621	0	0	0	0	0	0
40%	0	0	0	0	821	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	12	159	2,151	8,533	11,171	7,037	1,142	14	0	0	0	0
Water Year Types[b]												
Wet (32%)	39	502	5,906	24,758	29,796	18,802	3,513	43	0	0	0	0
Above Normal (15%)	0	0	926	4,602	10,011	7,175	158	0	0	0	0	0
Below Normal (17%)	0	0	839	0	691	5	28	0	0	0	0	0
Dry (22%)	0	0	0	45	641	111	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0

Alternative 5 (LLT)

	Monthly Spills (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	100	100	7,350	25,360	42,440	24,155	5,747	100	100	0	0	100
20%	100	100	2,901	10,481	18,678	8,061	4,024	100	100	0	0	100
30%	100	100	1,387	5,525	7,803	5,727	1,052	100	100	0	0	100
40%	100	100	492	2,844	4,731	3,757	305	100	100	0	0	100
50%	100	100	212	1,477	3,165	1,740	130	100	100	0	0	100
60%	100	100	104	786	1,779	982	100	100	100	0	0	100
70%	100	100	100	260	593	474	100	100	100	0	0	100
80%	100	100	100	101	126	150	100	100	100	0	0	100
90%	100	100	100	100	100	100	100	100	100	0	0	100
Long Term												
Full Simulation Period[a]	113	249	3,054	9,712	12,934	8,648	2,198	113	100	0	0	100
Water Year Types[b]												
Wet (32%)	142	571	8,272	26,319	32,393	20,896	5,694	141	100	0	0	100
Above Normal (15%)	100	100	1,241	6,053	12,553	10,232	1,631	100	100	0	0	100
Below Normal (17%)	100	100	900	1,644	2,457	1,207	555	100	100	0	0	100
Dry (22%)	100	100	343	652	1,549	1,185	194	100	100	0	0	100
Critical (15%)	100	100	139	395	453	403	110	100	100	0	0	100

Alternative 5 (LLT) minus No Action Alternative (LLT)

	Monthly Spills (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	100	100	2,272	1,646	332	6,342	4,003	100	100	0	0	100
20%	100	100	2,901	1,391	4,455	2,377	4,024	100	100	0	0	100
30%	100	100	1,387	4,677	3,851	5,106	1,052	100	100	0	0	100
40%	100	100	492	2,844	3,910	3,757	305	100	100	0	0	100
50%	100	100	212	1,477	3,165	1,740	130	100	100	0	0	100
60%	100	100	104	786	1,779	982	100	100	100	0	0	100
70%	100	100	100	260	593	474	100	100	100	0	0	100
80%	100	100	100	101	126	150	100	100	100	0	0	100
90%	100	100	100	100	100	100	100	100	100	0	0	100
Long Term												
Full Simulation Period[a]	101	90	903	1,179	1,763	1,611	1,056	100	100	0	0	100
Water Year Types[b]												
Wet (32%)	103	69	2,366	1,561	2,598	2,093	2,181	99	100	0	0	100
Above Normal (15%)	100	100	315	1,451	2,542	3,057	1,473	100	100	0	0	100
Below Normal (17%)	100	100	62	1,644	1,766	1,202	526	100	100	0	0	100
Dry (22%)	100	100	343	607	908	1,073	194	100	100	0	0	100
Critical (15%)	100	100	139	395	453	403	110	100	100	0	0	100

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-18-22. Fremont Weir, Monthly Spills

No Action Alternative (LLT)

	Monthly Spills (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0	0	5,079	23,714	42,108	17,813	1,744	0	0	0	0	0
20%	0	0	0	9,090	14,222	5,684	0	0	0	0	0	0
30%	0	0	0	849	3,953	621	0	0	0	0	0	0
40%	0	0	0	0	821	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	12	159	2,151	8,533	11,171	7,037	1,142	14	0	0	0	0
Water Year Types[b]												
Wet (32%)	39	502	5,906	24,758	29,796	18,802	3,513	43	0	0	0	0
Above Normal (15%)	0	0	926	4,602	10,011	7,175	158	0	0	0	0	0
Below Normal (17%)	0	0	839	0	691	5	28	0	0	0	0	0
Dry (22%)	0	0	0	45	641	111	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0

Alternative 6A,6B,6C (LLT)

	Monthly Spills (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	100	100	9,377	27,615	45,151	22,878	5,755	100	100	0	0	100
20%	100	100	3,229	12,119	15,529	8,213	4,038	100	100	0	0	100
30%	100	100	1,330	5,548	8,683	5,737	953	100	100	0	0	100
40%	100	100	511	2,776	5,456	3,736	313	100	100	0	0	100
50%	100	100	186	1,461	3,315	1,781	110	100	100	0	0	100
60%	100	100	100	833	1,906	1,033	100	100	100	0	0	100
70%	100	100	100	145	487	519	100	100	100	0	0	100
80%	100	100	100	100	132	177	100	100	100	0	0	100
90%	100	100	100	100	100	100	100	100	100	0	0	100
Long Term												
Full Simulation Period[a]	119	262	3,470	10,711	13,248	8,755	2,201	115	100	0	0	100
Water Year Types[b]												
Wet (32%)	159	611	9,440	28,783	32,380	21,060	5,714	146	100	0	0	100
Above Normal (15%)	100	100	1,520	7,422	13,722	10,486	1,632	100	100	0	0	100
Below Normal (17%)	100	100	931	1,648	3,266	1,238	547	100	100	0	0	100
Dry (22%)	100	100	341	730	1,574	1,241	189	100	100	0	0	100
Critical (15%)	100	100	137	391	479	403	106	100	100	0	0	100

Alternative 6A,6B,6C (LLT) minus No Action Alternative (LLT)

	Monthly Spills (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	100	100	4,299	3,901	3,043	5,065	4,011	100	100	0	0	100
20%	100	100	3,229	3,029	1,307	2,529	4,038	100	100	0	0	100
30%	100	100	1,330	4,699	4,730	5,116	953	100	100	0	0	100
40%	100	100	511	2,776	4,635	3,736	313	100	100	0	0	100
50%	100	100	186	1,461	3,315	1,781	110	100	100	0	0	100
60%	100	100	100	833	1,906	1,033	100	100	100	0	0	100
70%	100	100	100	145	487	519	100	100	100	0	0	100
80%	100	100	100	100	132	177	100	100	100	0	0	100
90%	100	100	100	100	100	100	100	100	100	0	0	100
Long Term												
Full Simulation Period[a]	106	103	1,318	2,178	2,077	1,718	1,059	101	100	0	0	100
Water Year Types[b]												
Wet (32%)	120	109	3,535	4,026	2,584	2,258	2,201	104	100	0	0	100
Above Normal (15%)	100	100	593	2,821	3,711	3,312	1,475	100	100	0	0	100
Below Normal (17%)	100	100	92	1,648	2,575	1,233	519	100	100	0	0	100
Dry (22%)	100	100	341	685	933	1,129	189	100	100	0	0	100
Critical (15%)	100	100	137	391	479	403	106	100	100	0	0	100

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-18-23. Fremont Weir, Monthly Spills

No Action Alternative (LLT)

	Monthly Spills (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	5,079	23,714	42,108	17,813	1,744	0	0	0	0	0
20%	0	0	0	9,090	14,222	5,684	0	0	0	0	0	0
30%	0	0	0	849	3,953	621	0	0	0	0	0	0
40%	0	0	0	0	821	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	12	159	2,151	8,533	11,171	7,037	1,142	14	0	0	0	0
Water Year Types[b]												
Wet (32%)	39	502	5,906	24,758	29,796	18,802	3,513	43	0	0	0	0
Above Normal (15%)	0	0	926	4,602	10,011	7,175	158	0	0	0	0	0
Below Normal (17%)	0	0	839	0	691	5	28	0	0	0	0	0
Dry (22%)	0	0	0	45	641	111	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0

Alternative 7 (LLT)

	Monthly Spills (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	10,401	25,900	45,813	20,330	4,000	0	0	0	0	0
20%	0	0	3,746	12,188	15,942	8,517	2,498	0	0	0	0	0
30%	0	0	1,462	6,627	8,821	7,000	797	0	0	0	0	0
40%	0	0	439	3,299	6,478	4,653	111	0	0	0	0	0
50%	0	0	87	1,717	4,103	2,075	9	0	0	0	0	0
60%	0	0	2	852	1,721	819	0	0	0	0	0	0
70%	0	0	0	77	765	498	0	0	0	0	0	0
80%	0	0	0	6	47	100	0	0	0	0	0	0
90%	0	0	0	0	1	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	13	169	3,453	10,543	13,575	8,901	1,722	15	0	0	0	0
Water Year Types[b]												
Wet (32%)	42	532	9,276	28,039	33,084	21,322	4,613	46	0	0	0	0
Above Normal (15%)	0	0	1,970	7,711	13,923	10,650	1,275	0	0	0	0	0
Below Normal (17%)	0	0	904	1,917	3,588	1,447	290	0	0	0	0	0
Dry (22%)	0	0	288	662	1,646	1,285	101	0	0	0	0	0
Critical (15%)	0	0	41	349	501	357	7	0	0	0	0	0

Alternative 7 (LLT) minus No Action Alternative (LLT)

	Monthly Spills (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	5,322	2,186	3,705	2,518	2,256	0	0	0	0	0
20%	0	0	3,746	3,098	1,720	2,833	2,498	0	0	0	0	0
30%	0	0	1,462	5,779	4,868	6,379	797	0	0	0	0	0
40%	0	0	439	3,299	5,657	4,653	111	0	0	0	0	0
50%	0	0	87	1,717	4,103	2,075	9	0	0	0	0	0
60%	0	0	2	852	1,721	819	0	0	0	0	0	0
70%	0	0	0	77	765	498	0	0	0	0	0	0
80%	0	0	0	6	47	100	0	0	0	0	0	0
90%	0	0	0	0	1	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	1	10	1,302	2,009	2,404	1,864	580	1	0	0	0	0
Water Year Types[b]												
Wet (32%)	3	30	3,370	3,281	3,288	2,520	1,100	4	0	0	0	0
Above Normal (15%)	0	0	1,044	3,109	3,912	3,475	1,118	0	0	0	0	0
Below Normal (17%)	0	0	65	1,917	2,898	1,442	262	0	0	0	0	0
Dry (22%)	0	0	288	617	1,005	1,174	101	0	0	0	0	0
Critical (15%)	0	0	41	349	501	357	7	0	0	0	0	0

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-18-24. Fremont Weir, Monthly Spills

No Action Alternative (LLT)

	Monthly Spills (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	5,079	23,714	42,108	17,813	1,744	0	0	0	0	0
20%	0	0	0	9,090	14,222	5,684	0	0	0	0	0	0
30%	0	0	0	849	3,953	621	0	0	0	0	0	0
40%	0	0	0	0	821	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	12	159	2,151	8,533	11,171	7,037	1,142	14	0	0	0	0
Water Year Types[b]												
Wet (32%)	39	502	5,906	24,758	29,796	18,802	3,513	43	0	0	0	0
Above Normal (15%)	0	0	926	4,602	10,011	7,175	158	0	0	0	0	0
Below Normal (17%)	0	0	839	0	691	5	28	0	0	0	0	0
Dry (22%)	0	0	0	45	641	111	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0

Alternative 8 (LLT)

	Monthly Spills (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	7,994	36,016	42,501	21,804	6,114	0	0	0	0	0
20%	0	0	3,507	13,965	16,257	9,107	3,812	0	0	0	0	0
30%	0	0	1,563	7,246	9,683	7,315	2,865	0	0	0	0	0
40%	0	0	395	3,917	7,125	5,286	1,462	0	0	0	0	0
50%	0	0	92	2,444	4,571	3,836	754	0	0	0	0	0
60%	0	0	2	1,451	3,164	2,723	469	0	0	0	0	0
70%	0	0	0	119	1,489	1,335	132	0	0	0	0	0
80%	0	0	0	9	289	360	22	0	0	0	0	0
90%	0	0	0	0	3	23	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	13	122	3,418	11,491	13,579	9,495	2,522	35	0	0	0	0
Water Year Types[b]												
Wet (32%)	40	384	9,444	30,139	32,208	21,535	5,424	111	0	0	0	0
Above Normal (15%)	0	0	1,223	8,597	13,837	10,622	2,612	0	0	0	0	0
Below Normal (17%)	0	0	1,064	2,427	3,983	2,785	1,563	0	0	0	0	0
Dry (22%)	0	0	266	886	2,633	2,581	658	0	0	0	0	0
Critical (15%)	0	0	34	466	571	481	62	0	0	0	0	0

Alternative 8 (LLT) minus No Action Alternative (LLT)

	Monthly Spills (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	2,915	12,302	393	3,992	4,369	0	0	0	0	0
20%	0	0	3,507	4,874	2,035	3,423	3,812	0	0	0	0	0
30%	0	0	1,563	6,398	5,730	6,694	2,865	0	0	0	0	0
40%	0	0	395	3,917	6,304	5,286	1,462	0	0	0	0	0
50%	0	0	92	2,444	4,571	3,836	754	0	0	0	0	0
60%	0	0	2	1,451	3,164	2,723	469	0	0	0	0	0
70%	0	0	0	119	1,489	1,335	132	0	0	0	0	0
80%	0	0	0	9	289	360	22	0	0	0	0	0
90%	0	0	0	0	3	23	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	0	-37	1,267	2,958	2,408	2,458	1,381	22	0	0	0	0
Water Year Types[b]												
Wet (32%)	1	-118	3,538	5,381	2,412	2,732	1,911	69	0	0	0	0
Above Normal (15%)	0	0	297	3,995	3,826	3,447	2,454	0	0	0	0	0
Below Normal (17%)	0	0	225	2,427	3,292	2,780	1,534	0	0	0	0	0
Dry (22%)	0	0	266	841	1,992	2,470	658	0	0	0	0	0
Critical (15%)	0	0	34	466	571	481	62	0	0	0	0	0

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-18-25. Fremont Weir, Monthly Spills

No Action Alternative (LLT)

	Monthly Spills (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0	0	5,079	23,714	42,108	17,813	1,744	0	0	0	0	0
20%	0	0	0	9,090	14,222	5,684	0	0	0	0	0	0
30%	0	0	0	849	3,953	621	0	0	0	0	0	0
40%	0	0	0	0	821	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	12	159	2,151	8,533	11,171	7,037	1,142	14	0	0	0	0
Water Year Types[b]												
Wet (32%)	39	502	5,906	24,758	29,796	18,802	3,513	43	0	0	0	0
Above Normal (15%)	0	0	926	4,602	10,011	7,175	158	0	0	0	0	0
Below Normal (17%)	0	0	839	0	691	5	28	0	0	0	0	0
Dry (22%)	0	0	0	45	641	111	0	0	0	0	0	0
Critical (15%)	0	0	0	0	0	0	0	0	0	0	0	0

Alternative 9 (LLT)

	Monthly Spills (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	100	100	8,062	26,689	43,348	19,508	5,748	100	100	0	0	100
20%	100	100	2,823	11,336	15,499	8,030	4,045	100	100	0	0	100
30%	100	100	1,310	5,462	8,263	5,039	861	100	100	0	0	100
40%	100	100	497	2,778	5,199	3,658	308	100	100	0	0	100
50%	100	100	176	1,473	3,247	1,732	121	100	100	0	0	100
60%	100	100	100	737	1,496	946	100	100	100	0	0	100
70%	100	100	100	141	570	345	100	100	100	0	0	100
80%	100	100	100	100	124	183	100	100	100	0	0	100
90%	100	100	100	100	100	100	100	100	100	0	0	100
Long Term												
Full Simulation Period[a]	113	265	2,968	9,969	12,595	8,481	2,187	113	100	0	0	100
Water Year Types[b]												
Wet (32%)	140	621	7,748	26,900	31,371	20,664	5,680	142	100	0	0	100
Above Normal (15%)	100	100	1,455	6,556	11,996	9,538	1,613	100	100	0	0	100
Below Normal (17%)	100	100	1,198	1,658	2,846	1,231	546	100	100	0	0	100
Dry (22%)	100	100	337	640	1,550	1,206	185	100	100	0	0	100
Critical (15%)	100	100	137	390	453	403	108	100	100	0	0	100

Alternative 9 (LLT) minus No Action Alternative (LLT)

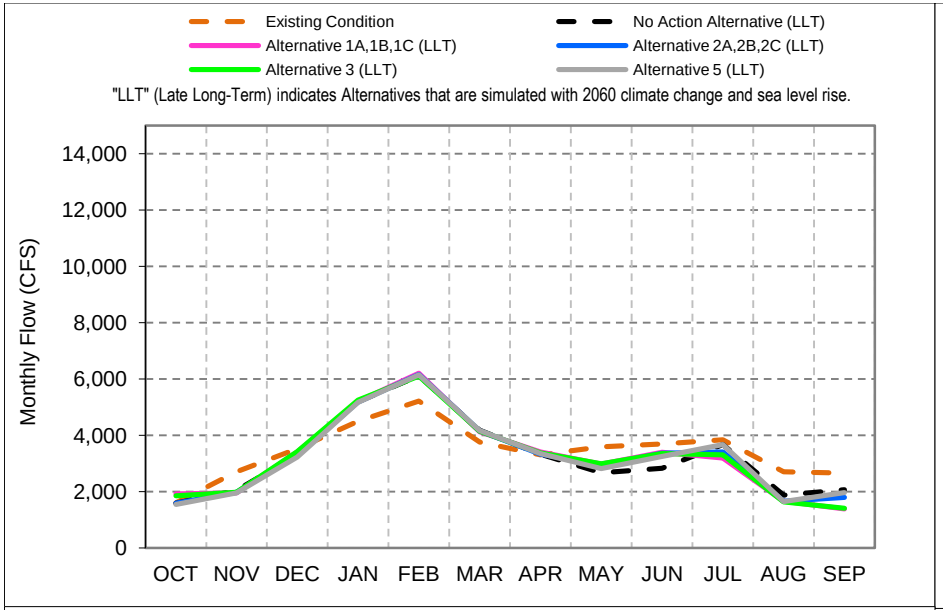
	Monthly Spills (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	100	100	2,983	2,975	1,240	1,696	4,004	100	100	0	0	100
20%	100	100	2,823	2,246	1,277	2,346	4,045	100	100	0	0	100
30%	100	100	1,310	4,614	4,310	4,417	861	100	100	0	0	100
40%	100	100	497	2,778	4,378	3,658	308	100	100	0	0	100
50%	100	100	176	1,473	3,247	1,732	121	100	100	0	0	100
60%	100	100	100	737	1,496	946	100	100	100	0	0	100
70%	100	100	100	141	570	345	100	100	100	0	0	100
80%	100	100	100	100	124	183	100	100	100	0	0	100
90%	100	100	100	100	100	100	100	100	100	0	0	100
Long Term												
Full Simulation Period[a]	100	106	817	1,436	1,424	1,444	1,045	100	100	0	0	100
Water Year Types[b]												
Wet (32%)	101	120	1,842	2,142	1,575	1,862	2,167	99	100	0	0	100
Above Normal (15%)	100	100	528	1,954	1,984	2,363	1,455	100	100	0	0	100
Below Normal (17%)	100	100	359	1,658	2,155	1,226	517	100	100	0	0	100
Dry (22%)	100	100	337	595	909	1,094	185	100	100	0	0	100
Critical (15%)	100	100	137	390	453	403	108	100	100	0	0	100

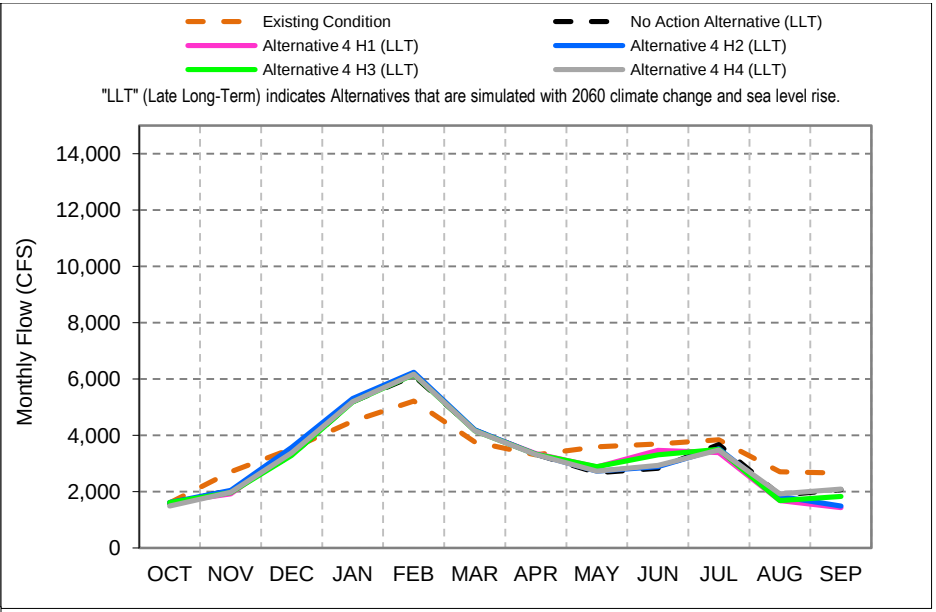
Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

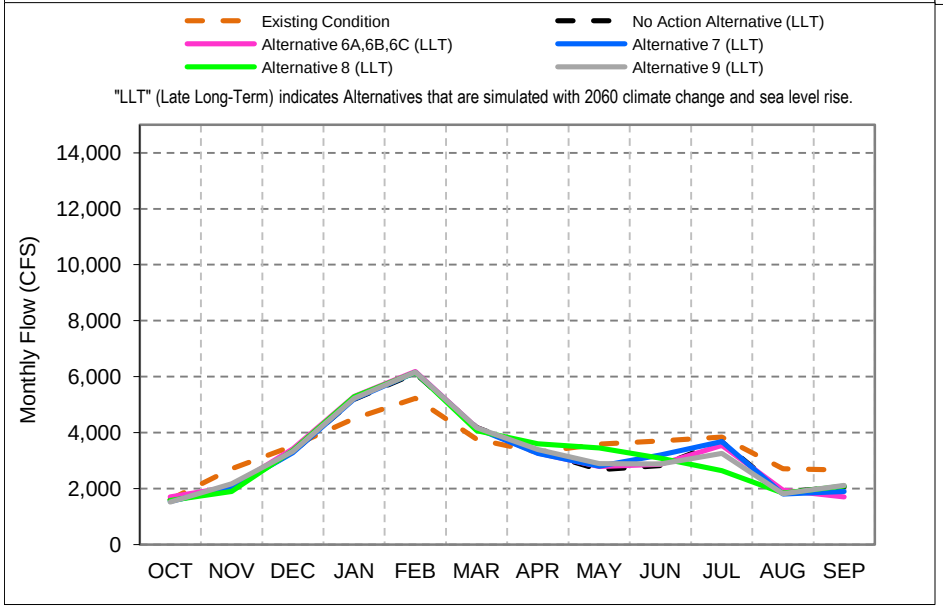
a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

C.19. American River Flow downstream of Folsom



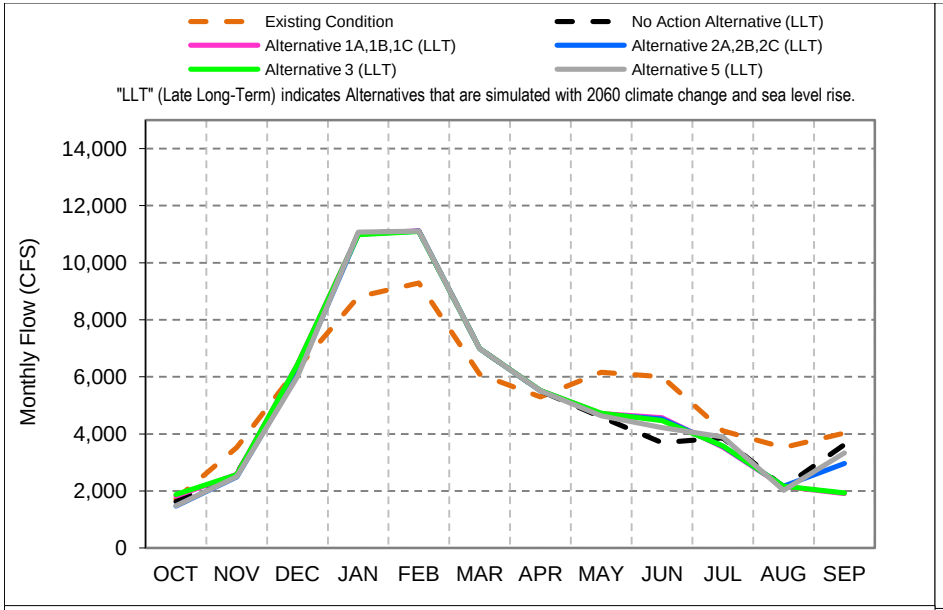


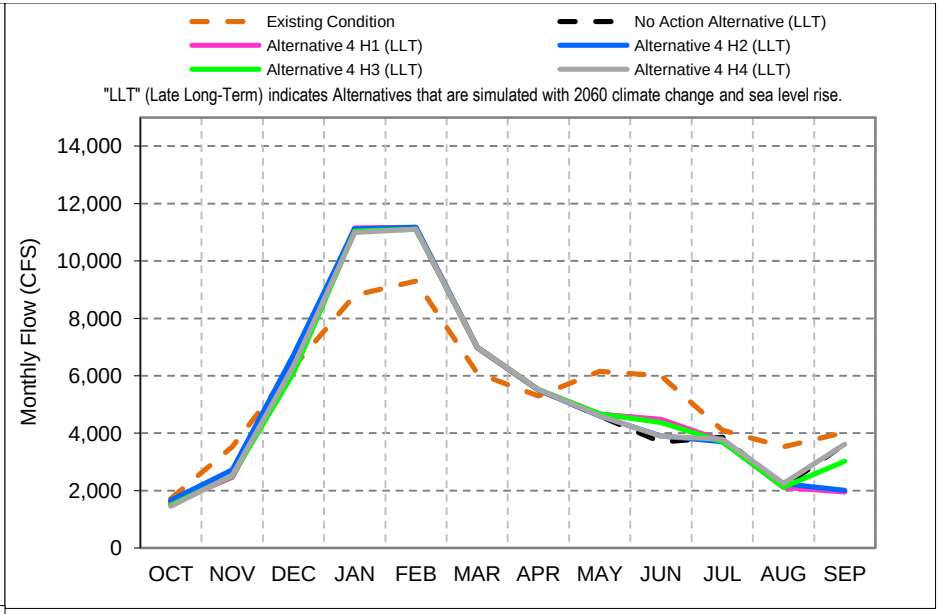


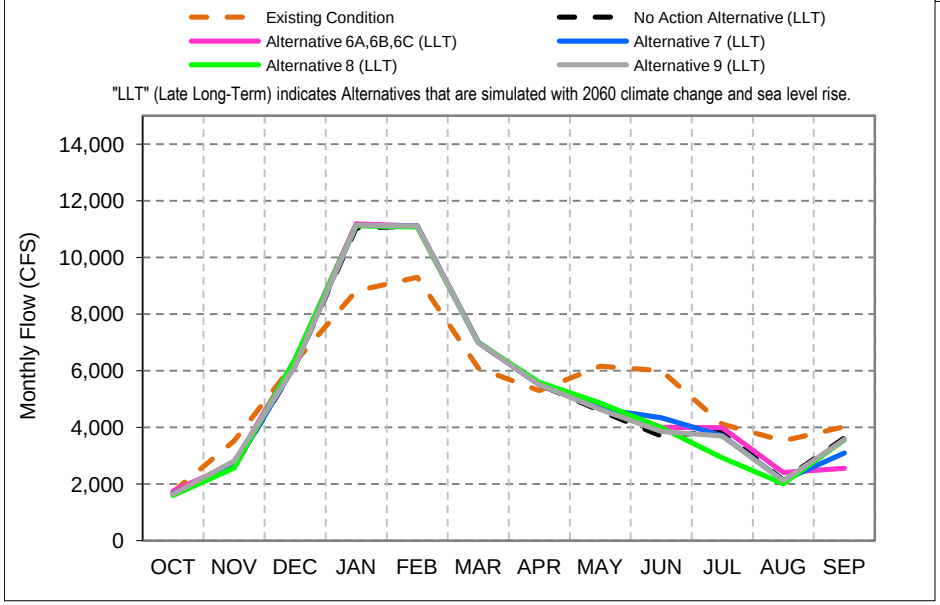
Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-19-1. American River d/s of Nimbus Dam, Long-Term Average Flow





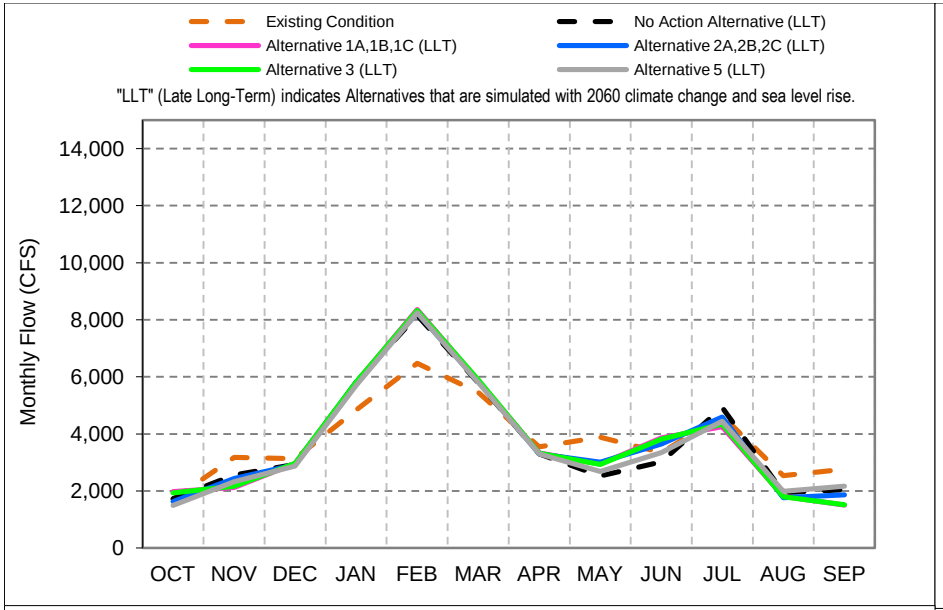


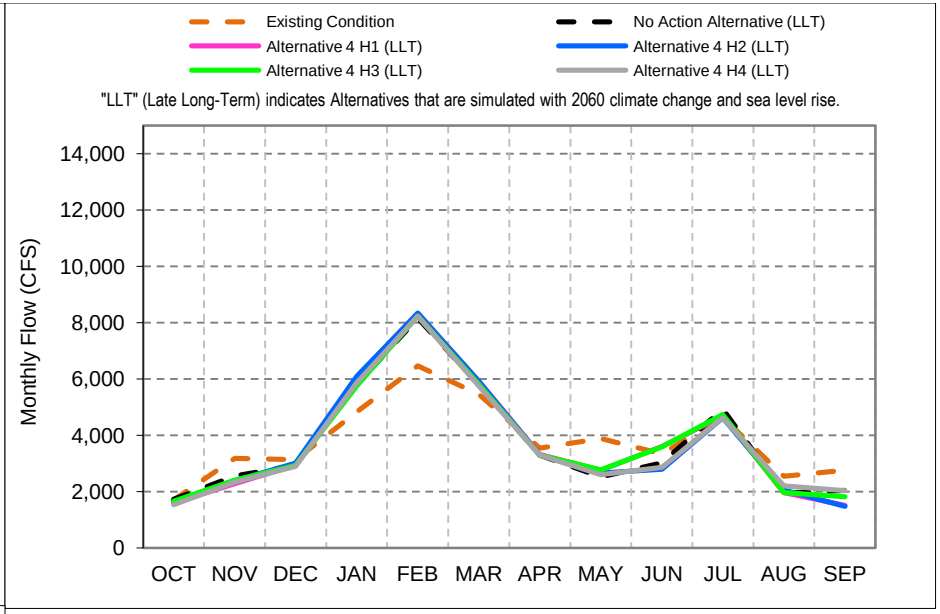
Alternative 4 Scenario Definitions:

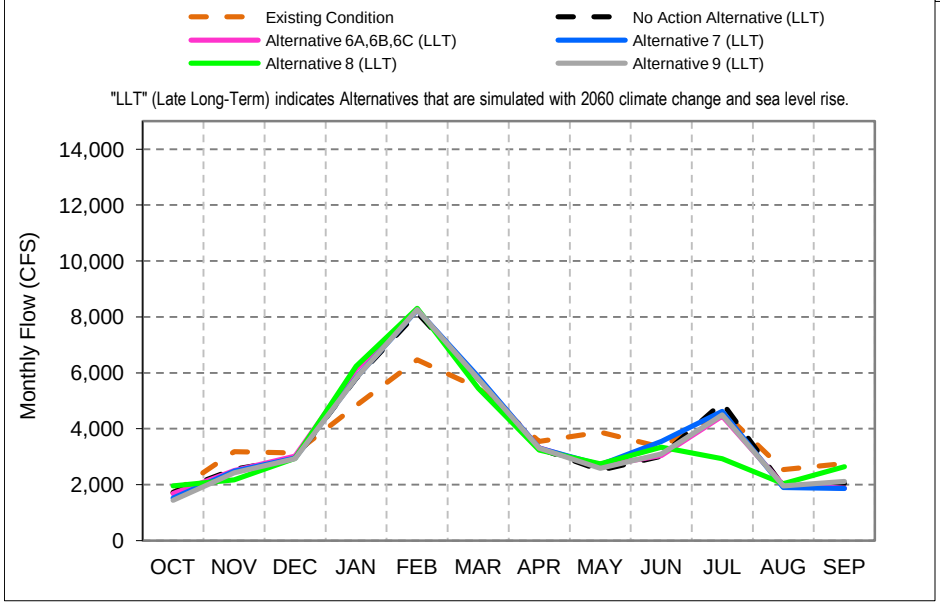
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-19-2. American River d/s of Nimbus Dam, Wet Year* Average Flow





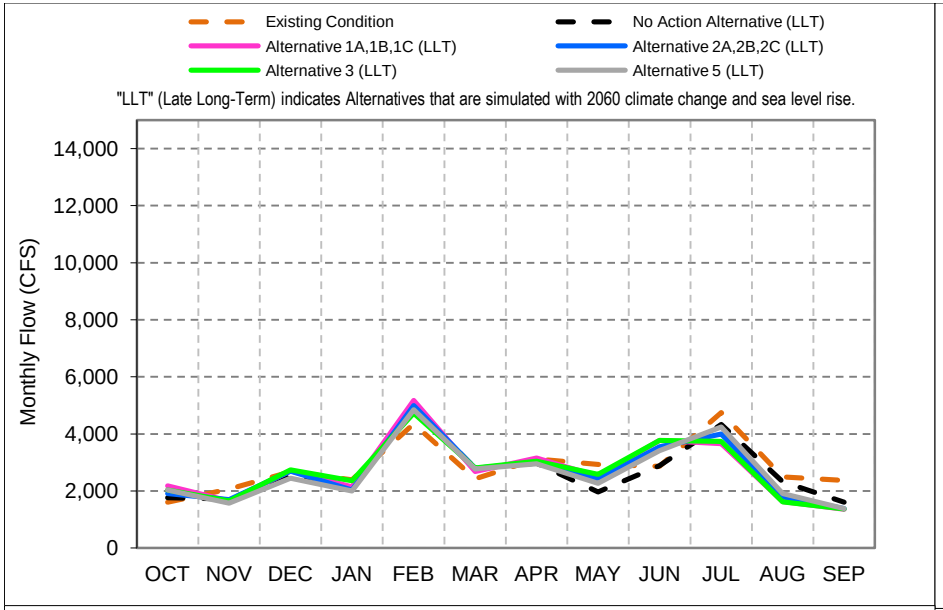


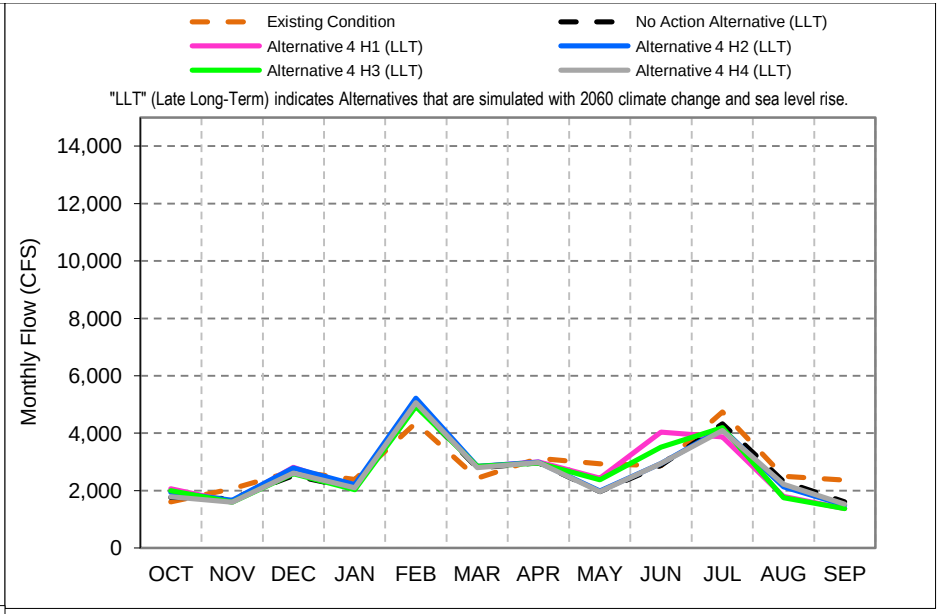
Alternative 4 Scenario Definitions:

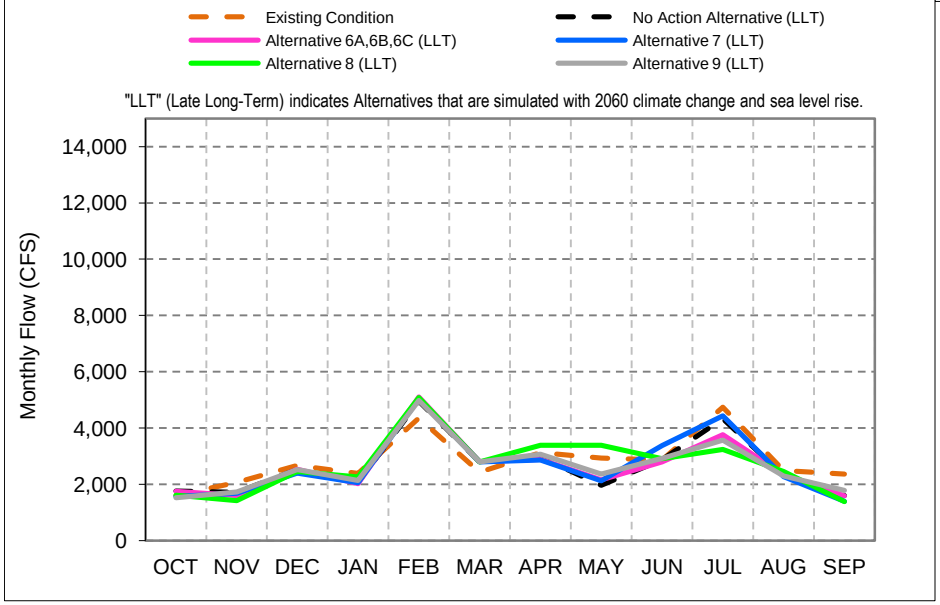
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-19-3. American River d/s of Nimbus Dam, Above Normal Year* Average Flow





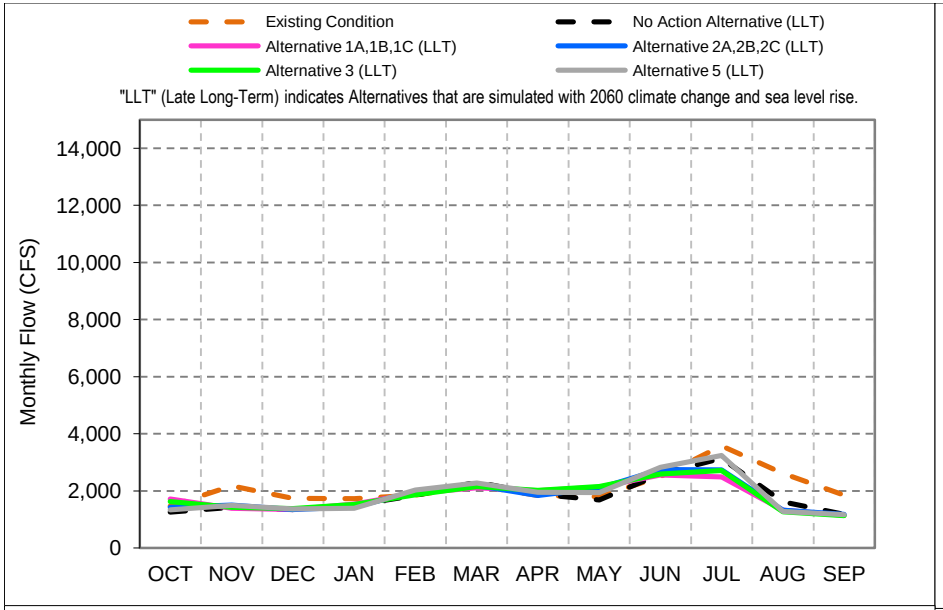


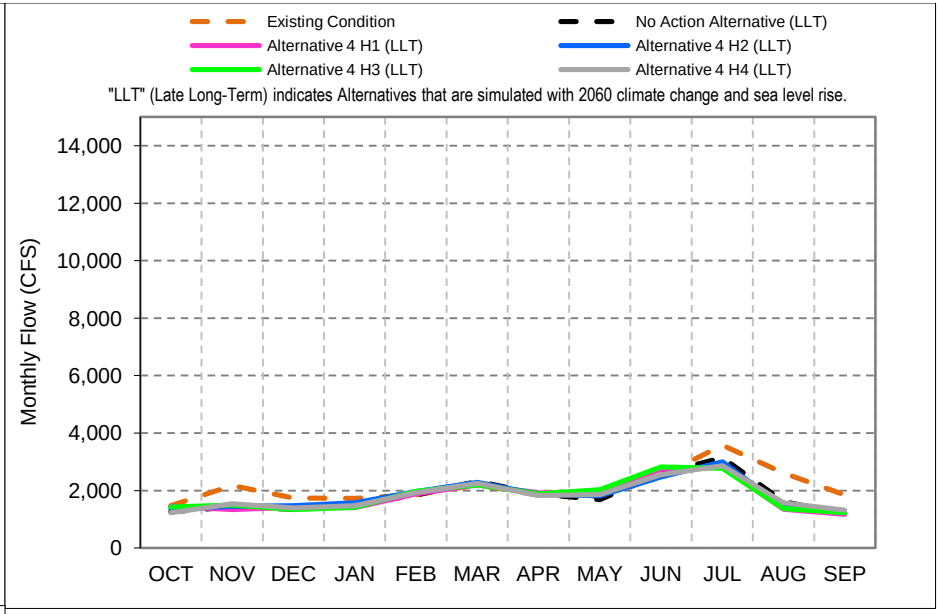
Alternative 4 Scenario Definitions:

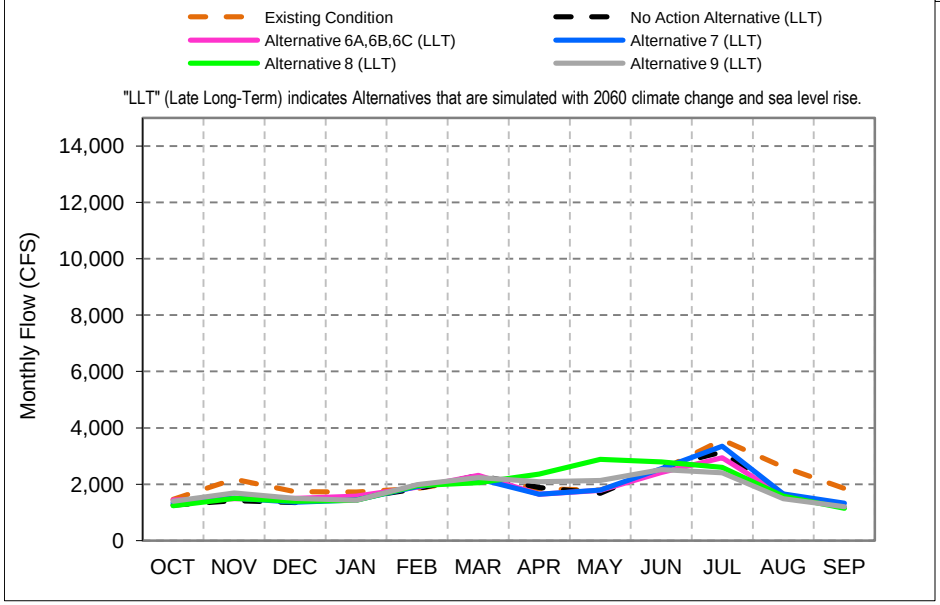
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-19-4. American River d/s of Nimbus Dam, Below Normal Year* Average Flow





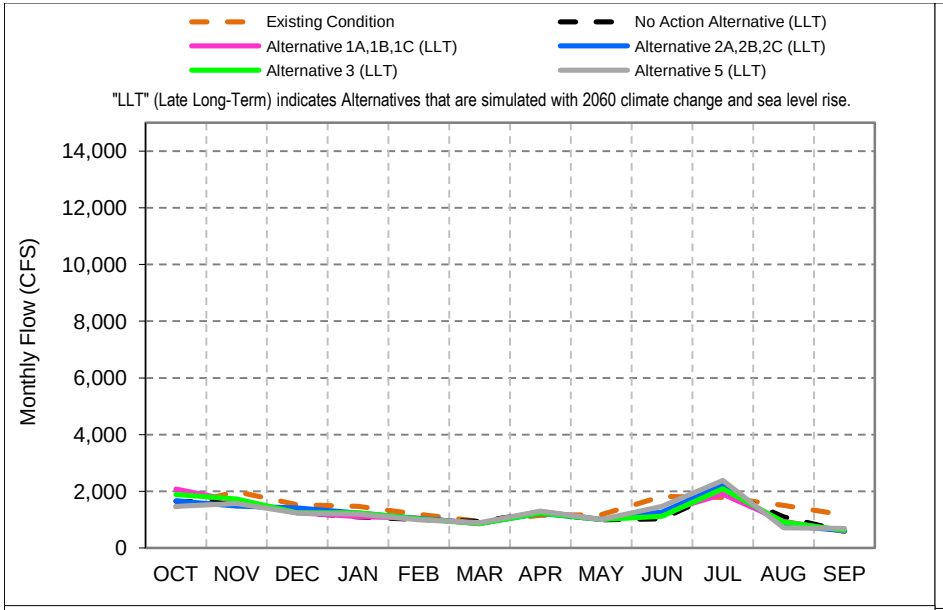


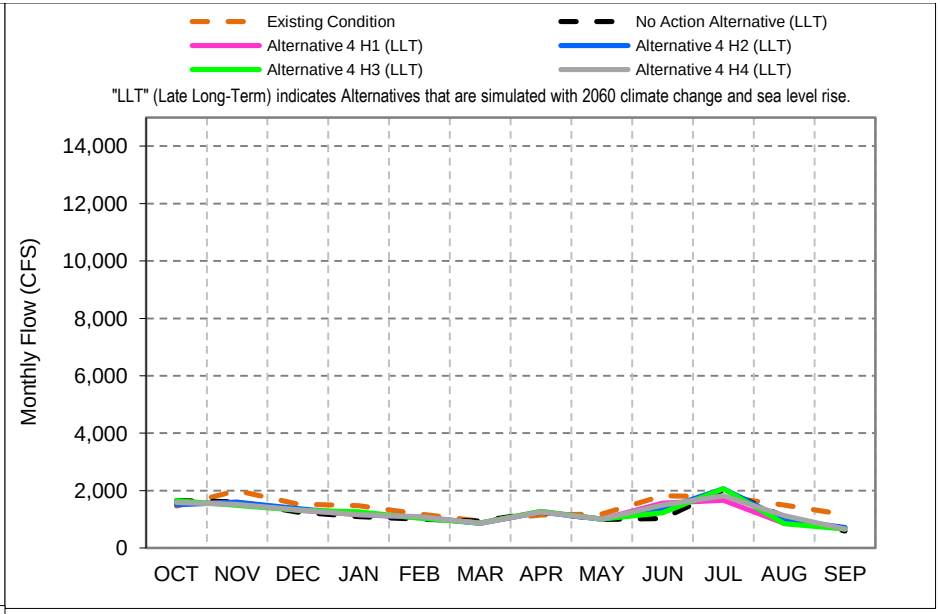
Alternative 4 Scenario Definitions:

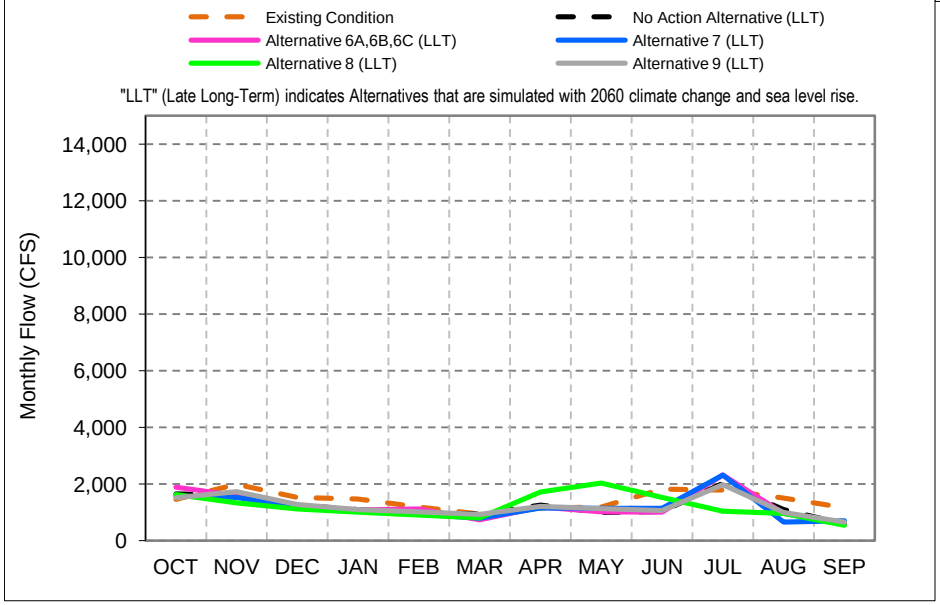
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-19-5. American River d/s of Nimbus Dam, Dry Year* Average Flow







Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-19-6. American River d/s of Nimbus Dam, Critical Year* Average Flow

Table C-19-1. American River d/s of Nimbus Dam, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,257	4,282	7,245	10,559	11,669	8,886	6,694	8,326	7,207	5,000	4,280	4,311
20%	1,723	3,062	4,444	6,735	9,108	5,544	5,098	5,048	5,136	5,000	3,823	4,177
30%	1,500	2,657	2,507	4,684	6,367	4,132	4,121	4,228	4,295	4,982	3,090	3,687
40%	1,500	2,398	2,000	3,087	4,750	3,426	3,287	3,591	3,197	4,577	2,920	3,193
50%	1,500	2,009	2,000	2,005	3,504	2,524	2,385	2,875	2,850	4,123	2,719	2,570
60%	1,500	1,925	2,000	1,700	2,413	1,843	2,057	1,750	2,344	3,623	2,502	2,041
70%	1,500	1,714	1,782	1,700	1,565	1,508	1,668	1,445	1,904	3,150	2,263	1,622
80%	1,500	1,534	1,499	1,542	1,445	1,143	1,445	1,339	1,750	2,930	1,752	1,207
90%	1,210	949	952	1,141	1,225	891	925	925	1,429	1,891	1,256	906
Long Term												
Full Simulation Period[a]	1,605	2,706	3,519	4,502	5,218	3,762	3,305	3,587	3,699	3,838	2,707	2,663
Water Year Types[b]												
Wet (32%)	1,723	3,527	6,302	8,806	9,294	6,089	5,300	6,157	6,003	4,108	3,520	4,025
Above Normal (15%)	1,706	3,181	3,137	4,833	6,469	5,454	3,546	3,885	3,346	4,638	2,542	2,764
Below Normal (17%)	1,602	2,067	2,676	2,392	4,360	2,429	3,126	2,930	2,863	4,744	2,495	2,370
Dry (22%)	1,468	2,176	1,741	1,723	1,852	2,191	1,837	1,790	2,506	3,577	2,613	1,856
Critical (15%)	1,461	1,994	1,524	1,474	1,185	939	1,156	1,182	1,824	1,784	1,500	1,164

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,799	2,943	8,472	13,543	15,920	9,685	6,898	6,542	5,000	5,000	3,007	4,089
20%	1,948	2,541	2,621	8,534	11,151	6,067	4,987	3,495	3,811	5,000	2,586	3,527
30%	1,710	1,925	2,000	5,362	6,966	4,749	4,203	2,624	3,266	5,000	2,323	2,588
40%	1,509	1,683	2,000	2,559	5,186	3,902	3,070	2,357	3,015	4,657	1,927	1,917
50%	1,500	1,593	1,786	1,750	3,198	2,908	2,609	1,759	2,673	4,072	1,839	1,548
60%	1,479	1,413	1,620	1,700	2,020	2,092	1,760	1,611	2,347	3,559	1,750	1,533
70%	1,181	1,162	1,214	1,488	1,445	1,466	1,513	1,358	1,761	2,923	1,540	1,420
80%	902	809	800	1,152	1,264	824	1,164	988	1,513	2,331	939	802
90%	800	800	800	800	902	800	800	800	959	1,349	800	721
Long Term												
Full Simulation Period[a]	1,592	2,043	3,297	5,194	6,112	4,187	3,334	2,676	2,825	3,670	1,874	2,068
Water Year Types[b]												
Wet (32%)	1,634	2,612	6,171	11,036	11,102	6,992	5,508	4,592	3,694	3,860	2,132	3,622
Above Normal (15%)	1,732	2,554	2,933	5,805	8,153	5,790	3,298	2,521	3,022	4,927	1,944	2,044
Below Normal (17%)	1,767	1,716	2,527	2,073	4,961	2,794	2,970	1,969	2,883	4,328	2,324	1,605
Dry (22%)	1,258	1,424	1,351	1,506	1,844	2,314	1,888	1,686	2,596	3,143	1,620	1,182
Critical (15%)	1,655	1,608	1,251	1,095	1,007	938	1,255	992	1,025	2,022	1,100	594

No Action Alternative (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	542	**-1,339**	1,227	2,984	4,251	799	204	**-1,784**	**-2,207**	0	**-1,273**	**-222**
20%	225	**-521**	**-1,823**	1,800	2,043	523	**-111**	**-1,553**	**-1,325**	0	**-1,238**	**-650**
30%	210	**-732**	**-507**	678	598	617	81	**-1,605**	**-1,029**	18	**-768**	**-1,099**
40%	9	**-714**	0	**-527**	436	476	**-217**	**-1,234**	**-182**	79	**-993**	**-1,276**
50%	0	**-415**	**-214**	**-255**	**-306**	383	224	**-1,116**	**-178**	**-51**	**-879**	**-1,022**
60%	**-21**	**-512**	**-380**	0	**-393**	249	**-297**	**-139**	3	**-64**	**-752**	**-507**
70%	**-319**	**-552**	**-568**	**-213**	**-120**	**-42**	**-155**	**-87**	**-143**	**-227**	**-722**	**-202**
80%	**-598**	**-725**	**-699**	**-390**	**-181**	**-319**	**-281**	**-350**	**-237**	**-599**	**-813**	**-405**
90%	**-410**	**-149**	**-152**	**-341**	**-323**	**-91**	**-125**	**-125**	**-470**	**-542**	**-456**	**-185**
Long Term												
Full Simulation Period[a]	**-14**	**-663**	**-222**	692	895	425	29	**-910**	**-873**	**-168**	**-833**	**-595**
Water Year Types[b]												
Wet (32%)	**-88**	**-915**	**-131**	2,230	1,808	904	208	**-1,565**	**-2,310**	**-248**	**-1,388**	**-402**
Above Normal (15%)	26	**-627**	**-204**	972	1,684	337	**-247**	**-1,364**	**-323**	289	**-597**	**-721**
Below Normal (17%)	165	**-351**	**-149**	**-319**	602	365	**-156**	**-961**	19	**-416**	**-171**	**-766**
Dry (22%)	**-210**	**-752**	**-390**	**-217**	**-8**	123	51	**-104**	90	**-434**	**-993**	**-674**
Critical (15%)	194	**-386**	**-273**	**-379**	**-179**	**-1**	100	**-190**	**-799**	238	**-400**	**-571**

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-19-2. American River d/s of Nimbus Dam, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,257	4,282	7,245	10,559	11,669	8,886	6,694	8,326	7,207	5,000	4,280	4,311
20%	1,723	3,062	4,444	6,735	9,108	5,544	5,098	5,048	5,136	5,000	3,823	4,177
30%	1,500	2,657	2,507	4,684	6,367	4,132	4,121	4,228	4,295	4,982	3,090	3,687
40%	1,500	2,398	2,000	3,087	4,750	3,426	3,287	3,591	3,197	4,577	2,920	3,193
50%	1,500	2,009	2,000	2,005	3,504	2,524	2,385	2,875	2,850	4,123	2,719	2,570
60%	1,500	1,925	2,000	1,700	2,413	1,843	2,057	1,750	2,344	3,623	2,502	2,041
70%	1,500	1,714	1,782	1,700	1,565	1,508	1,668	1,445	1,904	3,150	2,263	1,622
80%	1,500	1,534	1,499	1,542	1,445	1,143	1,445	1,339	1,750	2,930	1,752	1,207
90%	1,210	949	952	1,141	1,225	891	925	925	1,429	1,891	1,256	906
Long Term												
Full Simulation Period[a]	1,605	2,706	3,519	4,502	5,218	3,762	3,305	3,587	3,699	3,838	2,707	2,663
Water Year Types[b]												
Wet (32%)	1,723	3,527	6,302	8,806	9,294	6,089	5,300	6,157	6,003	4,108	3,520	4,025
Above Normal (15%)	1,706	3,181	3,137	4,833	6,469	5,454	3,546	3,885	3,346	4,638	2,542	2,764
Below Normal (17%)	1,602	2,067	2,676	2,392	4,360	2,429	3,126	2,930	2,863	4,744	2,495	2,370
Dry (22%)	1,468	2,176	1,741	1,723	1,852	2,191	1,837	1,790	2,506	3,577	2,613	1,856
Critical (15%)	1,461	1,994	1,524	1,474	1,185	939	1,156	1,182	1,824	1,784	1,500	1,164

Alternative 1A,1B,1C (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,651	2,401	8,619	13,543	15,947	9,192	6,987	6,542	5,000	5,000	2,507	1,727
20%	2,716	1,925	3,463	8,519	11,230	6,066	4,998	3,832	4,874	4,946	2,226	1,533
30%	2,241	1,925	2,000	5,645	7,583	4,822	4,302	3,059	4,340	4,044	1,964	1,533
40%	1,778	1,919	2,000	2,571	5,321	4,010	3,114	2,645	3,936	3,527	1,750	1,533
50%	1,500	1,712	1,869	1,927	3,739	2,868	2,535	2,308	3,546	3,291	1,750	1,533
60%	1,500	1,593	1,750	1,700	2,357	1,750	1,873	1,944	3,112	2,745	1,750	1,518
70%	1,339	1,208	1,136	1,668	1,445	1,350	1,685	1,750	2,535	2,515	1,417	1,264
80%	874	923	803	1,193	1,294	835	1,400	1,452	1,737	2,019	800	800
90%	800	800	800	803	800	800	800	800	1,135	892	577	557
Long Term												
Full Simulation Period[a]	1,920	1,957	3,413	5,207	6,210	4,123	3,407	2,973	3,400	3,191	1,657	1,393
Water Year Types[b]												
Wet (32%)	1,823	2,578	6,435	11,011	11,122	6,987	5,519	4,718	4,568	3,530	2,159	1,906
Above Normal (15%)	1,976	2,120	2,966	5,803	8,361	5,870	3,337	2,944	3,857	4,253	1,810	1,500
Below Normal (17%)	2,177	1,647	2,704	2,149	5,174	2,688	3,156	2,517	3,768	3,660	1,633	1,363
Dry (22%)	1,717	1,394	1,349	1,535	1,923	2,113	2,012	2,134	2,552	2,494	1,328	1,141
Critical (15%)	2,080	1,655	1,239	1,109	1,055	862	1,289	1,009	1,258	1,895	940	588

Alternative 1A,1B,1C (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,394	**-1,881**	1,373	2,984	4,278	307	293	**-1,784**	**-2,207**	0	**-1,773**	**-2,584**
20%	993	**-1,137**	**-981**	1,784	2,122	522	**-99**	**-1,216**	**-262**	**-54**	**-1,598**	**-2,644**
30%	741	**-732**	**-507**	961	1,215	690	181	**-1,169**	45	**-937**	**-1,127**	**-2,154**
40%	278	**-479**	0	**-516**	571	584	**-173**	**-945**	739	**-1,051**	**-1,170**	**-1,659**
50%	0	**-296**	**-131**	**-79**	235	344	150	**-567**	696	**-832**	**-969**	**-1,036**
60%	0	**-332**	**-250**	0	**-57**	**-93**	**-184**	194	768	**-879**	**-752**	**-523**
70%	**-161**	**-506**	**-646**	**-32**	**-120**	**-158**	17	305	631	**-635**	**-846**	**-359**
80%	**-626**	**-610**	**-696**	**-349**	**-151**	**-308**	**-45**	113	**-13**	**-912**	**-952**	**-407**
90%	**-410**	**-149**	**-152**	**-338**	**-425**	**-91**	**-125**	**-125**	**-294**	**-999**	**-679**	**-349**
Long Term												
Full Simulation Period[a]	315	**-749**	**-106**	705	992	361	102	**-614**	**-299**	**-646**	**-1,050**	**-1,270**
Water Year Types[b]												
Wet (32%)	100	**-949**	134	2,205	1,828	899	219	**-1,438**	**-1,435**	**-578**	**-1,362**	**-2,118**
Above Normal (15%)	270	**-1,061**	**-171**	970	1,892	416	**-209**	**-941**	511	**-385**	**-732**	**-1,264**
Below Normal (17%)	575	**-421**	28	**-243**	814	259	31	**-413**	904	**-1,084**	**-862**	**-1,008**
Dry (22%)	249	**-783**	**-392**	**-188**	70	**-79**	175	344	47	**-1,084**	**-1,285**	**-715**
Critical (15%)	620	**-339**	**-285**	**-365**	**-130**	**-77**	133	**-173**	**-566**	111	**-560**	**-577**

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-19-3. American River d/s of Nimbus Dam, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,257	4,282	7,245	10,559	11,669	8,886	6,694	8,326	7,207	5,000	4,280	4,311
20%	1,723	3,062	4,444	6,735	9,108	5,544	5,098	5,048	5,136	5,000	3,823	4,177
30%	1,500	2,657	2,507	4,684	6,367	4,132	4,121	4,228	4,295	4,982	3,090	3,687
40%	1,500	2,398	2,000	3,087	4,750	3,426	3,287	3,591	3,197	4,577	2,920	3,193
50%	1,500	2,009	2,000	2,005	3,504	2,524	2,385	2,875	2,850	4,123	2,719	2,570
60%	1,500	1,925	2,000	1,700	2,413	1,843	2,057	1,750	2,344	3,623	2,502	2,041
70%	1,500	1,714	1,782	1,700	1,565	1,508	1,668	1,445	1,904	3,150	2,263	1,622
80%	1,500	1,534	1,499	1,542	1,445	1,143	1,445	1,339	1,750	2,930	1,752	1,207
90%	1,210	949	952	1,141	1,225	891	925	925	1,429	1,891	1,256	906
Long Term												
Full Simulation Period[a]	1,605	2,706	3,519	4,502	5,218	3,762	3,305	3,587	3,699	3,838	2,707	2,663
Water Year Types[b]												
Wet (32%)	1,723	3,527	6,302	8,806	9,294	6,089	5,300	6,157	6,003	4,108	3,520	4,025
Above Normal (15%)	1,706	3,181	3,137	4,833	6,469	5,454	3,546	3,885	3,346	4,638	2,542	2,764
Below Normal (17%)	1,602	2,067	2,676	2,392	4,360	2,429	3,126	2,930	2,863	4,744	2,495	2,370
Dry (22%)	1,468	2,176	1,741	1,723	1,852	2,191	1,837	1,790	2,506	3,577	2,613	1,856
Critical (15%)	1,461	1,994	1,524	1,474	1,185	939	1,156	1,182	1,824	1,784	1,500	1,164

Alternative 2A,2B,2C (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,498	3,097	8,552	13,543	15,925	9,193	6,981	6,542	5,000	5,000	2,418	3,455
20%	2,240	1,925	2,621	8,535	11,228	6,070	4,981	4,070	4,967	5,000	2,167	2,853
30%	1,549	1,917	2,038	5,645	7,467	4,812	4,271	3,061	4,620	4,716	1,947	2,053
40%	1,500	1,804	2,000	2,638	5,273	4,245	2,994	2,623	3,863	3,850	1,750	1,533
50%	1,500	1,683	1,882	1,750	3,324	2,908	2,384	2,338	3,430	3,336	1,750	1,533
60%	1,500	1,396	1,750	1,700	1,916	1,750	1,760	1,759	2,900	3,027	1,750	1,532
70%	1,286	1,133	1,169	1,596	1,541	1,439	1,632	1,652	2,313	2,634	1,450	1,331
80%	813	800	800	1,146	1,445	832	1,217	1,320	1,578	2,349	848	800
90%	800	800	800	800	803	800	800	800	945	1,496	800	718
Long Term												
Full Simulation Period[a]	1,588	1,984	3,319	5,187	6,165	4,157	3,326	2,948	3,363	3,412	1,659	1,795
Water Year Types[b]												
Wet (32%)	1,476	2,495	6,083	11,011	11,106	6,989	5,515	4,695	4,520	3,575	2,162	2,966
Above Normal (15%)	1,630	2,439	2,922	5,811	8,247	5,848	3,300	3,004	3,651	4,590	1,768	1,863
Below Normal (17%)	1,910	1,700	2,694	2,034	4,992	2,797	2,993	2,418	3,551	3,995	1,799	1,377
Dry (22%)	1,422	1,501	1,348	1,442	1,969	2,191	1,841	2,098	2,750	2,733	1,320	1,177
Critical (15%)	1,660	1,479	1,409	1,237	1,036	868	1,226	1,002	1,267	2,221	802	608

Alternative 2A,2B,2C (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	242	**-1,185**	1,307	2,984	4,256	307	288	**-1,784**	**-2,207**	0	**-1,862**	**-856**
20%	516	**-1,137**	**-1,824**	1,800	2,120	526	**-116**	**-978**	**-169**	0	**-1,656**	**-1,325**
30%	49	**-740**	**-469**	961	1,100	679	150	**-1,167**	325	**-265**	**-1,143**	**-1,634**
40%	0	**-594**	0	**-449**	522	819	**-294**	**-967**	666	**-727**	**-1,170**	**-1,659**
50%	0	**-325**	**-118**	**-255**	**-180**	383	**-2**	**-537**	580	**-787**	**-969**	**-1,036**
60%	0	**-529**	**-250**	0	**-497**	**-93**	**-297**	9	556	**-597**	**-752**	**-509**
70%	**-214**	**-582**	**-614**	**-104**	**-24**	**-69**	**-36**	207	409	**-516**	**-812**	**-291**
80%	**-687**	**-734**	**-699**	**-396**	0	**-312**	**-228**	**-19**	**-172**	**-581**	**-904**	**-407**
90%	**-410**	**-149**	**-152**	**-341**	**-422**	**-91**	**-125**	**-125**	**-484**	**-395**	**-456**	**-188**
Long Term												
Full Simulation Period[a]	**-18**	**-722**	**-200**	685	947	396	21	**-638**	**-336**	**-426**	**-1,048**	**-868**
Water Year Types[b]												
Wet (32%)	**-246**	**-1,032**	**-218**	2,205	1,812	901	215	**-1,462**	**-1,484**	**-534**	**-1,358**	**-1,058**
Above Normal (15%)	**-76**	**-741**	**-215**	978	1,778	394	**-246**	**-881**	306	**-48**	**-773**	**-901**
Below Normal (17%)	308	**-367**	18	**-359**	632	368	**-132**	**-512**	688	**-750**	**-696**	**-993**
Dry (22%)	**-46**	**-675**	**-392**	**-281**	117	**-1**	4	308	244	**-845**	**-1,292**	**-679**
Critical (15%)	199	**-515**	**-115**	**-237**	**-149**	**-71**	71	**-180**	**-557**	437	**-698**	**-557**

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-19-4. American River d/s of Nimbus Dam, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,257	4,282	7,245	10,559	11,669	8,886	6,694	8,326	7,207	5,000	4,280	4,311
20%	1,723	3,062	4,444	6,735	9,108	5,544	5,098	5,048	5,136	5,000	3,823	4,177
30%	1,500	2,657	2,507	4,684	6,367	4,132	4,121	4,228	4,295	4,982	3,090	3,687
40%	1,500	2,398	2,000	3,087	4,750	3,426	3,287	3,591	3,197	4,577	2,920	3,193
50%	1,500	2,009	2,000	2,005	3,504	2,524	2,385	2,875	2,850	4,123	2,719	2,570
60%	1,500	1,925	2,000	1,700	2,413	1,843	2,057	1,750	2,344	3,623	2,502	2,041
70%	1,500	1,714	1,782	1,700	1,565	1,508	1,668	1,445	1,904	3,150	2,263	1,622
80%	1,500	1,534	1,499	1,542	1,445	1,143	1,445	1,339	1,750	2,930	1,752	1,207
90%	1,210	949	952	1,141	1,225	891	925	925	1,429	1,891	1,256	906
Long Term												
Full Simulation Period[a]	1,605	2,706	3,519	4,502	5,218	3,762	3,305	3,587	3,699	3,838	2,707	2,663
Water Year Types[b]												
Wet (32%)	1,723	3,527	6,302	8,806	9,294	6,089	5,300	6,157	6,003	4,108	3,520	4,025
Above Normal (15%)	1,706	3,181	3,137	4,833	6,469	5,454	3,546	3,885	3,346	4,638	2,542	2,764
Below Normal (17%)	1,602	2,067	2,676	2,392	4,360	2,429	3,126	2,930	2,863	4,744	2,495	2,370
Dry (22%)	1,468	2,176	1,741	1,723	1,852	2,191	1,837	1,790	2,506	3,577	2,613	1,856
Critical (15%)	1,461	1,994	1,524	1,474	1,185	939	1,156	1,182	1,824	1,784	1,500	1,164

Alternative 3 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,662	2,405	8,676	13,543	15,898	9,454	6,898	6,542	5,000	5,000	2,457	1,791
20%	2,703	1,925	3,463	8,523	11,230	6,066	4,982	3,967	4,812	5,000	2,254	1,533
30%	1,809	1,925	2,000	5,645	7,220	4,762	4,217	3,041	4,234	4,478	1,925	1,533
40%	1,603	1,908	2,000	2,964	5,179	4,188	3,157	2,612	3,779	3,545	1,750	1,533
50%	1,500	1,683	1,904	1,880	3,739	2,908	2,698	2,423	3,386	3,232	1,750	1,533
60%	1,499	1,578	1,750	1,700	2,020	1,750	1,904	2,009	3,008	2,899	1,745	1,519
70%	1,211	1,211	1,194	1,700	1,445	1,349	1,657	1,750	2,627	2,572	1,490	1,210
80%	857	892	800	1,438	1,285	835	1,316	1,445	1,580	2,262	800	800
90%	800	800	800	806	803	800	800	800	1,121	1,414	488	557
Long Term												
Full Simulation Period[a]	1,857	1,979	3,426	5,254	6,102	4,154	3,380	2,988	3,352	3,310	1,638	1,407
Water Year Types[b]												
Wet (32%)	1,877	2,574	6,435	10,985	11,092	6,987	5,519	4,727	4,465	3,576	2,165	1,929
Above Normal (15%)	1,935	2,168	2,962	5,812	8,327	5,887	3,322	2,924	3,815	4,348	1,798	1,519
Below Normal (17%)	2,030	1,646	2,739	2,358	4,727	2,804	3,047	2,584	3,770	3,738	1,620	1,369
Dry (22%)	1,624	1,423	1,376	1,532	1,858	2,151	2,016	2,156	2,596	2,712	1,266	1,134
Critical (15%)	1,883	1,724	1,248	1,244	1,033	860	1,237	1,005	1,122	2,093	915	620

Alternative 3 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,405	-1,877	1,431	2,984	4,229	568	204	-1,784	-2,207	0	-1,823	-2,520
20%	979	-1,137	-982	1,788	2,122	522	-116	-1,081	-324	0	-1,569	-2,644
30%	309	-732	-507	961	852	630	96	-1,187	-61	-504	-1,166	-2,154
40%	103	-490	0	-122	428	762	-130	-978	582	-1,032	-1,170	-1,659
50%	0	-325	-96	-125	235	383	313	-453	536	-891	-969	-1,036
60%	-1	-347	-250	0	-393	-93	-153	259	664	-724	-756	-522
70%	-289	-504	-588	0	-120	-159	-11	305	723	-577	-773	-413
80%	-643	-642	-699	-104	-160	-308	-129	106	-170	-668	-952	-407
90%	-410	-149	-152	-336	-422	-91	-125	-125	-308	-477	-768	-349
Long Term												
Full Simulation Period[a]	251	-727	-93	752	884	392	75	-598	-347	-528	-1,069	-1,256
Water Year Types[b]												
Wet (32%)	154	-953	134	2,178	1,798	898	219	-1,430	-1,538	-533	-1,355	-2,096
Above Normal (15%)	229	-1,013	-175	979	1,858	433	-224	-960	469	-290	-744	-1,246
Below Normal (17%)	428	-421	63	-35	367	375	-78	-346	907	-1,007	-875	-1,001
Dry (22%)	156	-754	-365	-191	6	-40	179	366	91	-865	-1,347	-722
Critical (15%)	423	-270	-276	-230	-152	-79	82	-176	-702	309	-585	-545

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-19-5. American River d/s of Nimbus Dam, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,257	4,282	7,245	10,559	11,669	8,886	6,694	8,326	7,207	5,000	4,280	4,311
20%	1,723	3,062	4,444	6,735	9,108	5,544	5,098	5,048	5,136	5,000	3,823	4,177
30%	1,500	2,657	2,507	4,684	6,367	4,132	4,121	4,228	4,295	4,982	3,090	3,687
40%	1,500	2,398	2,000	3,087	4,750	3,426	3,287	3,591	3,197	4,577	2,920	3,193
50%	1,500	2,009	2,000	2,005	3,504	2,524	2,385	2,875	2,850	4,123	2,719	2,570
60%	1,500	1,925	2,000	1,700	2,413	1,843	2,057	1,750	2,344	3,623	2,502	2,041
70%	1,500	1,714	1,782	1,700	1,565	1,508	1,668	1,445	1,904	3,150	2,263	1,622
80%	1,500	1,534	1,499	1,542	1,445	1,143	1,445	1,339	1,750	2,930	1,752	1,207
90%	1,210	949	952	1,141	1,225	891	925	925	1,429	1,891	1,256	906
Long Term												
Full Simulation Period[a]	1,605	2,706	3,519	4,502	5,218	3,762	3,305	3,587	3,699	3,838	2,707	2,663
Water Year Types[b]												
Wet (32%)	1,723	3,527	6,302	8,806	9,294	6,089	5,300	6,157	6,003	4,108	3,520	4,025
Above Normal (15%)	1,706	3,181	3,137	4,833	6,469	5,454	3,546	3,885	3,346	4,638	2,542	2,764
Below Normal (17%)	1,602	2,067	2,676	2,392	4,360	2,429	3,126	2,930	2,863	4,744	2,495	2,370
Dry (22%)	1,468	2,176	1,741	1,723	1,852	2,191	1,837	1,790	2,506	3,577	2,613	1,856
Critical (15%)	1,461	1,994	1,524	1,474	1,185	939	1,156	1,182	1,824	1,784	1,500	1,164

Alternative 4 H1 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,461	2,159	8,679	13,543	15,920	9,380	6,950	6,542	5,000	5,000	2,508	1,872
20%	2,132	1,925	3,257	7,932	10,950	6,066	4,982	3,722	4,870	5,000	2,315	1,533
30%	1,750	1,925	2,001	5,645	7,463	4,829	4,218	2,991	4,440	4,845	1,964	1,533
40%	1,500	1,889	2,000	2,751	5,176	4,268	3,062	2,590	3,917	4,135	1,750	1,533
50%	1,500	1,686	1,944	1,783	3,673	2,908	2,507	2,161	3,557	3,361	1,750	1,533
60%	1,500	1,458	1,750	1,700	2,602	1,750	1,802	1,786	3,093	3,047	1,750	1,533
70%	1,228	1,125	1,170	1,697	1,518	1,346	1,582	1,542	2,643	2,673	1,437	1,354
80%	897	866	864	1,076	1,442	830	1,315	1,325	2,006	2,040	852	800
90%	800	800	800	800	800	800	800	803	1,074	955	800	722
Long Term												
Full Simulation Period[a]	1,620	1,925	3,460	5,244	6,189	4,174	3,351	2,873	3,466	3,390	1,689	1,437
Water Year Types[b]												
Wet (32%)	1,557	2,482	6,452	11,143	11,163	6,982	5,510	4,654	4,472	3,729	2,122	1,960
Above Normal (15%)	1,589	2,284	2,947	5,969	8,327	5,920	3,321	2,758	3,605	4,696	1,971	1,515
Below Normal (17%)	2,062	1,612	2,806	2,098	5,029	2,834	2,995	2,435	4,040	3,866	1,793	1,370
Dry (22%)	1,449	1,341	1,416	1,411	1,888	2,200	1,913	1,957	2,743	2,812	1,346	1,170
Critical (15%)	1,531	1,601	1,318	1,156	1,075	867	1,278	1,011	1,563	1,663	860	705

Alternative 4 H1 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	205	**-2,123**	1,434	2,984	4,251	494	256	**-1,784**	**-2,207**	0	**-1,772**	**-2,439**
20%	409	**-1,137**	**-1,187**	1,198	1,842	522	**-115**	**-1,326**	**-266**	0	**-1,508**	**-2,644**
30%	250	**-732**	**-506**	961	1,096	696	97	**-1,237**	145	**-136**	**-1,126**	**-2,154**
40%	0	**-509**	0	**-336**	426	842	**-226**	**-1,001**	720	**-442**	**-1,170**	**-1,659**
50%	0	**-322**	**-56**	**-223**	169	383	122	**-714**	707	**-762**	**-969**	**-1,036**
60%	0	**-467**	**-250**	0	188	**-93**	**-255**	36	749	**-576**	**-752**	**-508**
70%	**-272**	**-589**	**-612**	**-3**	**-47**	**-162**	**-86**	97	739	**-477**	**-825**	**-268**
80%	**-603**	**-668**	**-634**	**-466**	**-3**	**-313**	**-130**	**-14**	256	**-891**	**-901**	**-407**
90%	**-410**	**-149**	**-152**	**-341**	**-425**	**-91**	**-125**	**-122**	**-355**	**-936**	**-456**	**-184**
Long Term												
Full Simulation Period[a]	15	**-781**	**-59**	742	971	412	46	**-714**	**-233**	**-447**	**-1,018**	**-1,226**
Water Year Types[b]												
Wet (32%)	**-166**	**-1,045**	151	2,336	1,870	893	210	**-1,502**	**-1,531**	**-379**	**-1,398**	**-2,065**
Above Normal (15%)	**-117**	**-897**	**-190**	1,136	1,858	467	**-225**	**-1,127**	260	58	**-571**	**-1,249**
Below Normal (17%)	460	**-455**	130	**-294**	669	405	**-130**	**-495**	1,177	**-879**	**-702**	**-1,001**
Dry (22%)	**-19**	**-835**	**-325**	**-312**	36	8	76	167	237	**-765**	**-1,267**	**-686**
Critical (15%)	70	**-393**	**-206**	**-318**	**-110**	**-72**	123	**-171**	**-261**	**-121**	**-640**	**-459**

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-19-6. American River d/s of Nimbus Dam, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,257	4,282	7,245	10,559	11,669	8,886	6,694	8,326	7,207	5,000	4,280	4,311
20%	1,723	3,062	4,444	6,735	9,108	5,544	5,098	5,048	5,136	5,000	3,823	4,177
30%	1,500	2,657	2,507	4,684	6,367	4,132	4,121	4,228	4,295	4,982	3,090	3,687
40%	1,500	2,398	2,000	3,087	4,750	3,426	3,287	3,591	3,197	4,577	2,920	3,193
50%	1,500	2,009	2,000	2,005	3,504	2,524	2,385	2,875	2,850	4,123	2,719	2,570
60%	1,500	1,925	2,000	1,700	2,413	1,843	2,057	1,750	2,344	3,623	2,502	2,041
70%	1,500	1,714	1,782	1,700	1,565	1,508	1,668	1,445	1,904	3,150	2,263	1,622
80%	1,500	1,534	1,499	1,542	1,445	1,143	1,445	1,339	1,750	2,930	1,752	1,207
90%	1,210	949	952	1,141	1,225	891	925	925	1,429	1,891	1,256	906
Long Term												
Full Simulation Period[a]	1,605	2,706	3,519	4,502	5,218	3,762	3,305	3,587	3,699	3,838	2,707	2,663
Water Year Types[b]												
Wet (32%)	1,723	3,527	6,302	8,806	9,294	6,089	5,300	6,157	6,003	4,108	3,520	4,025
Above Normal (15%)	1,706	3,181	3,137	4,833	6,469	5,454	3,546	3,885	3,346	4,638	2,542	2,764
Below Normal (17%)	1,602	2,067	2,676	2,392	4,360	2,429	3,126	2,930	2,863	4,744	2,495	2,370
Dry (22%)	1,468	2,176	1,741	1,723	1,852	2,191	1,837	1,790	2,506	3,577	2,613	1,856
Critical (15%)	1,461	1,994	1,524	1,474	1,185	939	1,156	1,182	1,824	1,784	1,500	1,164

Alternative 4 H2 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,310	2,502	8,708	13,543	15,928	9,683	6,893	6,542	5,000	5,000	2,872	2,340
20%	2,091	1,925	3,309	8,518	10,993	6,066	4,982	3,666	4,149	5,000	2,615	1,533
30%	1,806	1,925	2,030	5,645	7,463	4,829	4,261	2,846	3,516	5,000	2,184	1,533
40%	1,500	1,925	2,000	2,859	5,176	4,246	3,320	2,467	3,111	4,141	2,030	1,533
50%	1,500	1,708	2,000	2,186	3,693	2,845	2,506	1,888	2,805	3,688	1,750	1,533
60%	1,500	1,614	1,750	1,700	2,764	1,939	1,760	1,750	2,364	3,180	1,750	1,533
70%	1,427	1,371	1,517	1,700	1,750	1,391	1,546	1,369	1,750	2,747	1,549	1,365
80%	967	974	896	1,324	1,329	925	1,187	1,124	1,500	2,332	894	800
90%	800	800	800	800	979	800	800	800	937	1,269	800	729
Long Term												
Full Simulation Period[a]	1,620	2,049	3,568	5,310	6,239	4,193	3,331	2,733	2,890	3,521	1,833	1,487
Water Year Types[b]												
Wet (32%)	1,659	2,719	6,710	11,115	11,167	6,989	5,504	4,598	3,905	3,708	2,238	2,013
Above Normal (15%)	1,650	2,390	3,011	6,096	8,344	5,914	3,295	2,658	2,791	4,627	2,058	1,483
Below Normal (17%)	1,943	1,664	2,794	2,210	5,215	2,841	2,986	1,985	2,941	4,146	2,131	1,500
Dry (22%)	1,371	1,455	1,471	1,571	1,961	2,282	1,874	1,822	2,474	2,998	1,424	1,236
Critical (15%)	1,502	1,595	1,368	1,175	1,069	856	1,250	1,007	1,355	2,067	997	711

Alternative 4 H2 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	53	-1,780	1,463	2,984	4,260	797	199	-1,784	-2,207	0	-1,407	-1,971
20%	368	-1,137	-1,136	1,783	1,885	522	-116	-1,382	-987	0	-1,208	-2,644
30%	306	-732	-477	961	1,095	696	140	-1,382	-779	18	-906	-2,154
40%	0	-473	0	-228	426	819	33	-1,124	-86	-437	-890	-1,659
50%	0	-301	0	181	189	321	120	-987	-45	-435	-969	-1,036
60%	0	-311	-250	0	351	96	-297	0	20	-444	-752	-507
70%	-73	-343	-265	0	185	-116	-122	-76	-154	-403	-714	-258
80%	-533	-560	-603	-218	-116	-218	-258	-214	-250	-598	-859	-407
90%	-410	-149	-152	-341	-246	-91	-125	-125	-492	-622	-456	-177
Long Term												
Full Simulation Period[a]	15	-657	49	808	1,022	431	26	-853	-809	-316	-874	-1,176
Water Year Types[b]												
Wet (32%)	-63	-808	409	2,309	1,874	900	204	-1,558	-2,098	-400	-1,283	-2,012
Above Normal (15%)	-56	-791	-126	1,263	1,875	461	-251	-1,227	-554	-11	-484	-1,282
Below Normal (17%)	341	-403	118	-182	855	412	-140	-945	77	-599	-364	-871
Dry (22%)	-97	-721	-270	-152	109	91	36	32	-32	-579	-1,188	-620
Critical (15%)	41	-400	-156	-300	-116	-83	94	-175	-469	283	-503	-453

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-19-7. American River d/s of Nimbus Dam, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,257	4,282	7,245	10,559	11,669	8,886	6,694	8,326	7,207	5,000	4,280	4,311
20%	1,723	3,062	4,444	6,735	9,108	5,544	5,098	5,048	5,136	5,000	3,823	4,177
30%	1,500	2,657	2,507	4,684	6,367	4,132	4,121	4,228	4,295	4,982	3,090	3,687
40%	1,500	2,398	2,000	3,087	4,750	3,426	3,287	3,591	3,197	4,577	2,920	3,193
50%	1,500	2,009	2,000	2,005	3,504	2,524	2,385	2,875	2,850	4,123	2,719	2,570
60%	1,500	1,925	2,000	1,700	2,413	1,843	2,057	1,750	2,344	3,623	2,502	2,041
70%	1,500	1,714	1,782	1,700	1,565	1,508	1,668	1,445	1,904	3,150	2,263	1,622
80%	1,500	1,534	1,499	1,542	1,445	1,143	1,445	1,339	1,750	2,930	1,752	1,207
90%	1,210	949	952	1,141	1,225	891	925	925	1,429	1,891	1,256	906
Long Term												
Full Simulation Period[a]	1,605	2,706	3,519	4,502	5,218	3,762	3,305	3,587	3,699	3,838	2,707	2,663
Water Year Types[b]												
Wet (32%)	1,723	3,527	6,302	8,806	9,294	6,089	5,300	6,157	6,003	4,108	3,520	4,025
Above Normal (15%)	1,706	3,181	3,137	4,833	6,469	5,454	3,546	3,885	3,346	4,638	2,542	2,764
Below Normal (17%)	1,602	2,067	2,676	2,392	4,360	2,429	3,126	2,930	2,863	4,744	2,495	2,370
Dry (22%)	1,468	2,176	1,741	1,723	1,852	2,191	1,837	1,790	2,506	3,577	2,613	1,856
Critical (15%)	1,461	1,994	1,524	1,474	1,185	939	1,156	1,182	1,824	1,784	1,500	1,164

Alternative 4 H3 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,597	2,831	8,558	13,543	15,920	9,229	6,950	6,542	5,000	5,000	2,509	3,450
20%	2,184	1,925	2,501	8,535	11,228	6,070	4,982	3,722	4,935	5,000	2,280	2,847
30%	1,681	1,925	2,000	5,645	7,468	4,776	4,263	3,043	4,344	4,998	1,977	2,038
40%	1,500	1,817	2,000	2,557	5,186	4,246	3,017	2,561	3,847	4,471	1,753	1,533
50%	1,500	1,683	1,848	1,750	3,290	2,910	2,509	2,295	3,272	3,622	1,750	1,533
60%	1,500	1,425	1,750	1,700	1,914	1,750	1,805	1,798	2,863	3,203	1,750	1,533
70%	1,240	1,133	1,162	1,637	1,560	1,436	1,577	1,551	2,485	2,680	1,482	1,410
80%	870	800	800	1,131	1,445	827	1,209	1,289	1,588	2,305	862	805
90%	800	800	800	800	807	800	800	800	941	939	641	735
Long Term												
Full Simulation Period[a]	1,613	1,965	3,288	5,184	6,155	4,160	3,336	2,886	3,311	3,496	1,685	1,827
Water Year Types[b]												
Wet (32%)	1,491	2,508	6,090	11,040	11,107	6,987	5,517	4,674	4,373	3,706	2,118	3,026
Above Normal (15%)	1,663	2,406	2,927	5,753	8,243	5,811	3,301	2,775	3,597	4,738	1,971	1,819
Below Normal (17%)	2,001	1,593	2,591	2,026	4,934	2,842	2,952	2,381	3,517	4,198	1,757	1,377
Dry (22%)	1,430	1,494	1,340	1,417	1,972	2,194	1,884	2,029	2,815	2,771	1,369	1,228
Critical (15%)	1,650	1,490	1,315	1,258	1,036	872	1,270	1,002	1,226	2,070	855	662

Alternative 4 H3 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	341	**-1,451**	1,313	2,984	4,251	344	256	**-1,784**	**-2,207**	0	**-1,771**	**-861**
20%	461	**-1,137**	**-1,943**	1,800	2,120	526	**-116**	**-1,326**	**-201**	0	**-1,544**	**-1,330**
30%	181	**-732**	**-507**	961	1,100	643	142	**-1,186**	49	17	**-1,113**	**-1,649**
40%	0	**-580**	0	**-529**	436	819	**-271**	**-1,030**	650	**-107**	**-1,167**	**-1,659**
50%	0	**-325**	**-152**	**-255**	**-214**	386	124	**-580**	422	**-501**	**-969**	**-1,036**
60%	0	**-500**	**-250**	0	**-499**	**-93**	**-252**	48	519	**-420**	**-752**	**-507**
70%	**-260**	**-582**	**-620**	**-63**	**-4**	**-71**	**-91**	106	581	**-470**	**-780**	**-212**
80%	**-630**	**-734**	**-699**	**-411**	0	**-316**	**-236**	**-50**	**-162**	**-625**	**-891**	**-402**
90%	**-410**	**-149**	**-152**	**-341**	**-418**	**-91**	**-125**	**-125**	**-487**	**-952**	**-615**	**-170**
Long Term												
Full Simulation Period[a]	8	**-741**	**-231**	682	937	398	30	**-700**	**-388**	**-341**	**-1,022**	**-836**
Water Year Types[b]												
Wet (32%)	**-232**	**-1,019**	**-211**	2,233	1,814	898	217	**-1,483**	**-1,630**	**-402**	**-1,402**	**-998**
Above Normal (15%)	**-43**	**-774**	**-209**	921	1,774	358	**-245**	**-1,110**	252	100	**-571**	**-945**
Below Normal (17%)	399	**-475**	**-85**	**-366**	574	413	**-174**	**-549**	654	**-547**	**-738**	**-994**
Dry (22%)	**-38**	**-682**	**-401**	**-306**	120	3	47	240	310	**-807**	**-1,244**	**-628**
Critical (15%)	189	**-504**	**-209**	**-216**	**-149**	**-68**	115	**-180**	**-598**	286	**-645**	**-503**

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-19-8. American River d/s of Nimbus Dam, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,257	4,282	7,245	10,559	11,669	8,886	6,694	8,326	7,207	5,000	4,280	4,311
20%	1,723	3,062	4,444	6,735	9,108	5,544	5,098	5,048	5,136	5,000	3,823	4,177
30%	1,500	2,657	2,507	4,684	6,367	4,132	4,121	4,228	4,295	4,982	3,090	3,687
40%	1,500	2,398	2,000	3,087	4,750	3,426	3,287	3,591	3,197	4,577	2,920	3,193
50%	1,500	2,009	2,000	2,005	3,504	2,524	2,385	2,875	2,850	4,123	2,719	2,570
60%	1,500	1,925	2,000	1,700	2,413	1,843	2,057	1,750	2,344	3,623	2,502	2,041
70%	1,500	1,714	1,782	1,700	1,565	1,508	1,668	1,445	1,904	3,150	2,263	1,622
80%	1,500	1,534	1,499	1,542	1,445	1,143	1,445	1,339	1,750	2,930	1,752	1,207
90%	1,210	949	952	1,141	1,225	891	925	925	1,429	1,891	1,256	906
Long Term												
Full Simulation Period[a]	1,605	2,706	3,519	4,502	5,218	3,762	3,305	3,587	3,699	3,838	2,707	2,663
Water Year Types[b]												
Wet (32%)	1,723	3,527	6,302	8,806	9,294	6,089	5,300	6,157	6,003	4,108	3,520	4,025
Above Normal (15%)	1,706	3,181	3,137	4,833	6,469	5,454	3,546	3,885	3,346	4,638	2,542	2,764
Below Normal (17%)	1,602	2,067	2,676	2,392	4,360	2,429	3,126	2,930	2,863	4,744	2,495	2,370
Dry (22%)	1,468	2,176	1,741	1,723	1,852	2,191	1,837	1,790	2,506	3,577	2,613	1,856
Critical (15%)	1,461	1,994	1,524	1,474	1,185	939	1,156	1,182	1,824	1,784	1,500	1,164

Alternative 4 H4 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,237	2,696	8,558	13,543	15,927	9,683	6,950	6,542	5,000	5,000	2,967	4,119
20%	1,729	1,925	2,919	8,584	11,228	6,070	4,982	3,666	4,298	5,000	2,638	3,666
30%	1,500	1,921	2,000	5,244	7,467	4,749	4,261	2,807	3,624	5,000	2,380	2,728
40%	1,500	1,761	2,000	2,768	5,186	3,872	3,140	2,395	3,260	4,382	2,034	1,992
50%	1,500	1,683	1,808	1,725	3,423	2,847	2,506	1,888	2,822	3,627	1,750	1,533
60%	1,497	1,468	1,750	1,700	1,990	1,939	1,760	1,741	2,276	3,088	1,750	1,533
70%	1,244	1,221	1,229	1,488	1,480	1,439	1,537	1,383	1,750	2,674	1,728	1,388
80%	800	839	802	1,166	1,367	894	1,138	900	1,426	2,231	984	878
90%	800	800	800	800	823	800	800	800	937	1,186	800	767
Long Term												
Full Simulation Period[a]	1,493	1,977	3,376	5,194	6,175	4,156	3,323	2,732	2,936	3,474	1,926	2,088
Water Year Types[b]												
Wet (32%)	1,453	2,535	6,320	10,995	11,109	6,987	5,516	4,604	3,894	3,795	2,253	3,614
Above Normal (15%)	1,537	2,343	2,904	5,859	8,230	5,750	3,294	2,609	2,865	4,625	2,202	2,032
Below Normal (17%)	1,785	1,591	2,612	2,096	5,065	2,803	2,977	1,960	2,949	4,090	2,222	1,526
Dry (22%)	1,232	1,534	1,398	1,469	1,928	2,253	1,823	1,862	2,553	2,867	1,567	1,313
Critical (15%)	1,589	1,514	1,329	1,161	1,091	865	1,253	1,005	1,490	1,819	1,131	657

Alternative 4 H4 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-20	-1,586	1,313	2,984	4,258	797	256	-1,784	-2,207	0	-1,313	-192
20%	6	-1,137	-1,525	1,849	2,120	526	-116	-1,382	-838	0	-1,185	-511
30%	0	-736	-507	560	1,099	617	140	-1,421	-671	18	-711	-959
40%	0	-637	0	-318	436	446	-147	-1,195	63	-195	-886	-1,201
50%	0	-325	-192	-280	-81	322	120	-988	-28	-497	-969	-1,036
60%	-3	-458	-250	0	-424	96	-297	-9	-68	-535	-752	-507
70%	-256	-494	-553	-213	-85	-69	-131	-62	-154	-476	-534	-234
80%	-700	-695	-697	-376	-78	-249	-307	-438	-324	-700	-768	-329
90%	-410	-149	-152	-341	-402	-91	-125	-125	-492	-705	-456	-139
Long Term												
Full Simulation Period[a]	-112	-730	-143	692	957	395	18	-855	-763	-364	-782	-575
Water Year Types[b]												
Wet (32%)	-270	-992	18	2,188	1,815	898	216	-1,553	-2,109	-314	-1,267	-411
Above Normal (15%)	-169	-837	-233	1,026	1,761	296	-252	-1,276	-481	-13	-340	-732
Below Normal (17%)	183	-476	-64	-296	705	373	-149	-970	86	-654	-273	-845
Dry (22%)	-236	-643	-343	-254	76	61	-14	73	48	-710	-1,045	-543
Critical (15%)	128	-481	-195	-313	-94	-74	98	-177	-334	35	-369	-508

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-19-9. American River d/s of Nimbus Dam, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,257	4,282	7,245	10,559	11,669	8,886	6,694	8,326	7,207	5,000	4,280	4,311
20%	1,723	3,062	4,444	6,735	9,108	5,544	5,098	5,048	5,136	5,000	3,823	4,177
30%	1,500	2,657	2,507	4,684	6,367	4,132	4,121	4,228	4,295	4,982	3,090	3,687
40%	1,500	2,398	2,000	3,087	4,750	3,426	3,287	3,591	3,197	4,577	2,920	3,193
50%	1,500	2,009	2,000	2,005	3,504	2,524	2,385	2,875	2,850	4,123	2,719	2,570
60%	1,500	1,925	2,000	1,700	2,413	1,843	2,057	1,750	2,344	3,623	2,502	2,041
70%	1,500	1,714	1,782	1,700	1,565	1,508	1,668	1,445	1,904	3,150	2,263	1,622
80%	1,500	1,534	1,499	1,542	1,445	1,143	1,445	1,339	1,750	2,930	1,752	1,207
90%	1,210	949	952	1,141	1,225	891	925	925	1,429	1,891	1,256	906
Long Term												
Full Simulation Period[a]	1,605	2,706	3,519	4,502	5,218	3,762	3,305	3,587	3,699	3,838	2,707	2,663
Water Year Types[b]												
Wet (32%)	1,723	3,527	6,302	8,806	9,294	6,089	5,300	6,157	6,003	4,108	3,520	4,025
Above Normal (15%)	1,706	3,181	3,137	4,833	6,469	5,454	3,546	3,885	3,346	4,638	2,542	2,764
Below Normal (17%)	1,602	2,067	2,676	2,392	4,360	2,429	3,126	2,930	2,863	4,744	2,495	2,370
Dry (22%)	1,468	2,176	1,741	1,723	1,852	2,191	1,837	1,790	2,506	3,577	2,613	1,856
Critical (15%)	1,461	1,994	1,524	1,474	1,185	939	1,156	1,182	1,824	1,784	1,500	1,164

Alternative 5 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,562	3,261	8,439	13,543	15,926	9,684	6,893	6,542	5,000	5,000	2,430	4,221
20%	1,971	1,961	2,667	8,532	11,234	6,061	4,984	3,638	4,960	5,000	2,135	3,217
30%	1,517	1,879	2,000	5,645	7,042	4,749	4,292	2,908	4,036	5,000	1,751	2,048
40%	1,500	1,734	1,996	2,476	5,185	4,111	2,999	2,565	3,612	4,862	1,750	1,533
50%	1,500	1,612	1,879	1,700	3,439	2,908	2,524	2,151	3,229	3,930	1,750	1,533
60%	1,417	1,396	1,629	1,700	1,897	1,750	1,858	1,750	2,731	3,454	1,750	1,533
70%	1,021	951	1,147	1,608	1,445	1,425	1,596	1,473	2,314	3,006	1,485	1,438
80%	800	800	800	1,174	1,437	835	1,173	1,214	1,617	2,369	846	803
90%	800	800	800	800	832	800	800	800	862	1,486	655	721
Long Term												
Full Simulation Period[a]	1,545	1,960	3,223	5,167	6,144	4,169	3,351	2,823	3,249	3,668	1,645	1,968
Water Year Types[b]												
Wet (32%)	1,486	2,501	6,009	11,070	11,104	6,992	5,507	4,632	4,223	3,896	2,019	3,336
Above Normal (15%)	1,494	2,324	2,874	5,705	8,242	5,800	3,297	2,687	3,350	4,448	1,993	2,165
Below Normal (17%)	2,037	1,570	2,444	1,997	4,846	2,770	2,957	2,267	3,417	4,237	1,911	1,378
Dry (22%)	1,332	1,496	1,368	1,388	2,026	2,276	1,947	1,943	2,828	3,237	1,284	1,170
Critical (15%)	1,472	1,576	1,227	1,204	993	895	1,300	1,006	1,471	2,380	717	691

Alternative 5 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	306	**-1,021**	1,193	2,984	4,257	799	199	**-1,784**	**-2,207**	0	**-1,850**	**-90**
20%	248	**-1,102**	**-1,777**	1,797	2,126	517	**-114**	**-1,410**	**-176**	0	**-1,688**	**-961**
30%	17	**-778**	**-507**	961	675	617	171	**-1,320**	**-259**	18	**-1,340**	**-1,639**
40%	0	**-664**	**-4**	**-611**	435	685	**-288**	**-1,026**	415	285	**-1,170**	**-1,659**
50%	0	**-396**	**-121**	**-305**	**-65**	383	139	**-725**	379	**-193**	**-969**	**-1,036**
60%	**-83**	**-529**	**-371**	0	**-517**	**-93**	**-199**	**0**	386	**-170**	**-752**	**-507**
70%	**-479**	**-763**	**-635**	**-92**	**-120**	**-83**	**-72**	28	410	**-144**	**-777**	**-184**
80%	**-700**	**-734**	**-699**	**-368**	**-8**	**-308**	**-272**	**-125**	**-133**	**-561**	**-906**	**-404**
90%	**-410**	**-149**	**-152**	**-341**	**-393**	**-91**	**-125**	**-125**	**-567**	**-405**	**-601**	**-185**
Long Term												
Full Simulation Period[a]	**-60**	**-746**	**-296**	665	926	408	46	**-764**	**-450**	**-169**	**-1,062**	**-695**
Water Year Types[b]												
Wet (32%)	**-237**	**-1,026**	**-292**	2,264	1,810	904	207	**-1,524**	**-1,780**	**-213**	**-1,501**	**-688**
Above Normal (15%)	**-212**	**-857**	**-263**	873	1,773	346	**-249**	**-1,198**	4	**-190**	**-549**	**-600**
Below Normal (17%)	435	**-497**	**-231**	**-395**	487	341	**-168**	**-663**	553	**-507**	**-584**	**-992**
Dry (22%)	**-136**	**-681**	**-372**	**-335**	174	85	110	154	322	**-340**	**-1,329**	**-686**
Critical (15%)	11	**-418**	**-297**	**-270**	**-192**	**-44**	144	**-176**	**-353**	596	**-784**	**-474**

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-19-10. American River d/s of Nimbus Dam, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,257	4,282	7,245	10,559	11,669	8,886	6,694	8,326	7,207	5,000	4,280	4,311
20%	1,723	3,062	4,444	6,735	9,108	5,544	5,098	5,048	5,136	5,000	3,823	4,177
30%	1,500	2,657	2,507	4,684	6,367	4,132	4,121	4,228	4,295	4,982	3,090	3,687
40%	1,500	2,398	2,000	3,087	4,750	3,426	3,287	3,591	3,197	4,577	2,920	3,193
50%	1,500	2,009	2,000	2,005	3,504	2,524	2,385	2,875	2,850	4,123	2,719	2,570
60%	1,500	1,925	2,000	1,700	2,413	1,843	2,057	1,750	2,344	3,623	2,502	2,041
70%	1,500	1,714	1,782	1,700	1,565	1,508	1,668	1,445	1,904	3,150	2,263	1,622
80%	1,500	1,534	1,499	1,542	1,445	1,143	1,445	1,339	1,750	2,930	1,752	1,207
90%	1,210	949	952	1,141	1,225	891	925	925	1,429	1,891	1,256	906
Long Term												
Full Simulation Period[a]	1,605	2,706	3,519	4,502	5,218	3,762	3,305	3,587	3,699	3,838	2,707	2,663
Water Year Types[b]												
Wet (32%)	1,723	3,527	6,302	8,806	9,294	6,089	5,300	6,157	6,003	4,108	3,520	4,025
Above Normal (15%)	1,706	3,181	3,137	4,833	6,469	5,454	3,546	3,885	3,346	4,638	2,542	2,764
Below Normal (17%)	1,602	2,067	2,676	2,392	4,360	2,429	3,126	2,930	2,863	4,744	2,495	2,370
Dry (22%)	1,468	2,176	1,741	1,723	1,852	2,191	1,837	1,790	2,506	3,577	2,613	1,856
Critical (15%)	1,461	1,994	1,524	1,474	1,185	939	1,156	1,182	1,824	1,784	1,500	1,164

Alternative 6A,6B,6C (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,314	2,867	8,551	13,543	15,943	9,691	6,893	6,542	5,000	5,000	3,057	2,888
20%	2,032	1,925	2,882	8,539	11,228	6,062	4,928	3,689	4,417	5,000	2,764	2,390
30%	1,857	1,925	2,000	5,649	7,149	4,748	4,289	2,932	3,597	4,577	2,356	2,128
40%	1,581	1,878	2,000	2,896	5,187	4,225	2,833	2,477	3,181	4,064	1,996	1,743
50%	1,500	1,683	1,944	1,750	3,427	2,919	2,318	1,869	2,702	3,598	1,838	1,533
60%	1,500	1,683	1,750	1,700	2,184	1,750	1,750	1,750	1,911	3,143	1,750	1,532
70%	1,497	1,509	1,376	1,495	1,522	1,439	1,454	1,406	1,644	2,798	1,612	1,323
80%	1,112	1,152	910	1,217	1,343	800	1,005	1,054	1,166	2,524	1,088	800
90%	800	800	800	800	1,011	800	800	800	800	2,013	800	800
Long Term												
Full Simulation Period[a]	1,694	2,061	3,413	5,296	6,180	4,166	3,264	2,783	2,868	3,542	1,942	1,705
Water Year Types[b]												
Wet (32%)	1,750	2,718	6,397	11,187	11,105	6,997	5,516	4,682	3,994	3,991	2,401	2,549
Above Normal (15%)	1,682	2,505	3,025	6,127	8,250	5,818	3,316	2,662	3,050	4,447	1,997	1,883
Below Normal (17%)	1,755	1,599	2,533	2,028	5,106	2,811	2,894	2,155	2,801	3,762	2,337	1,595
Dry (22%)	1,447	1,492	1,503	1,579	1,897	2,314	1,645	1,785	2,414	2,940	1,587	1,189
Critical (15%)	1,886	1,588	1,225	1,088	1,117	739	1,190	1,022	1,003	2,312	961	605

Alternative 6A,6B,6C (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	57	-1,415	1,306	2,984	4,274	805	199	-1,784	-2,207	0	-1,223	-1,423
20%	309	-1,137	-1,562	1,804	2,120	518	-170	-1,359	-719	0	-1,060	-1,787
30%	357	-732	-507	965	782	616	167	-1,296	-698	-404	-734	-1,559
40%	81	-520	0	-191	437	799	-455	-1,113	-16	-513	-924	-1,449
50%	0	-325	-56	-255	-77	394	-67	-1,006	-148	-525	-881	-1,036
60%	0	-242	-250	0	-229	-93	-307	0	-433	-481	-752	-509
70%	-3	-205	-406	-205	-43	-69	-213	-39	-259	-352	-651	-299
80%	-388	-382	-589	-325	-102	-343	-440	-285	-584	-406	-665	-407
90%	-410	-149	-152	-341	-214	-91	-125	-125	-629	122	-456	-106
Long Term												
Full Simulation Period[a]	89	-645	-106	794	962	404	-42	-803	-831	-296	-765	-958
Water Year Types[b]												
Wet (32%)	27	-809	96	2,381	1,812	909	216	-1,475	-2,009	-118	-1,119	-1,476
Above Normal (15%)	-24	-676	-112	1,294	1,781	365	-230	-1,222	-296	-191	-545	-881
Below Normal (17%)	153	-468	-143	-364	746	381	-232	-775	-62	-983	-157	-775
Dry (22%)	-21	-684	-237	-144	45	123	-193	-4	-92	-637	-1,025	-667
Critical (15%)	426	-406	-300	-386	-68	-200	35	-160	-821	528	-539	-559

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-19-11. American River d/s of Nimbus Dam, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,257	4,282	7,245	10,559	11,669	8,886	6,694	8,326	7,207	5,000	4,280	4,311
20%	1,723	3,062	4,444	6,735	9,108	5,544	5,098	5,048	5,136	5,000	3,823	4,177
30%	1,500	2,657	2,507	4,684	6,367	4,132	4,121	4,228	4,295	4,982	3,090	3,687
40%	1,500	2,398	2,000	3,087	4,750	3,426	3,287	3,591	3,197	4,577	2,920	3,193
50%	1,500	2,009	2,000	2,005	3,504	2,524	2,385	2,875	2,850	4,123	2,719	2,570
60%	1,500	1,925	2,000	1,700	2,413	1,843	2,057	1,750	2,344	3,623	2,502	2,041
70%	1,500	1,714	1,782	1,700	1,565	1,508	1,668	1,445	1,904	3,150	2,263	1,622
80%	1,500	1,534	1,499	1,542	1,445	1,143	1,445	1,339	1,750	2,930	1,752	1,207
90%	1,210	949	952	1,141	1,225	891	925	925	1,429	1,891	1,256	906
Long Term												
Full Simulation Period[a]	1,605	2,706	3,519	4,502	5,218	3,762	3,305	3,587	3,699	3,838	2,707	2,663
Water Year Types[b]												
Wet (32%)	1,723	3,527	6,302	8,806	9,294	6,089	5,300	6,157	6,003	4,108	3,520	4,025
Above Normal (15%)	1,706	3,181	3,137	4,833	6,469	5,454	3,546	3,885	3,346	4,638	2,542	2,764
Below Normal (17%)	1,602	2,067	2,676	2,392	4,360	2,429	3,126	2,930	2,863	4,744	2,495	2,370
Dry (22%)	1,468	2,176	1,741	1,723	1,852	2,191	1,837	1,790	2,506	3,577	2,613	1,856
Critical (15%)	1,461	1,994	1,524	1,474	1,185	939	1,156	1,182	1,824	1,784	1,500	1,164

Alternative 7 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,248	3,115	8,577	13,543	15,940	9,175	6,918	6,542	5,000	5,000	2,853	3,645
20%	1,857	2,025	2,612	8,537	11,228	6,072	4,937	3,729	4,793	5,000	2,475	2,938
30%	1,574	1,923	2,000	5,655	7,469	4,750	4,171	2,963	4,170	5,000	2,299	2,185
40%	1,500	1,746	1,990	2,589	5,186	4,262	2,928	2,480	3,713	4,449	1,906	1,565
50%	1,500	1,683	1,750	1,750	3,343	2,920	2,489	1,941	3,251	3,921	1,750	1,533
60%	1,500	1,523	1,736	1,700	1,920	1,859	1,750	1,750	2,729	3,287	1,750	1,533
70%	1,206	1,206	1,110	1,488	1,465	1,375	1,443	1,408	2,009	2,846	1,475	1,450
80%	1,024	1,005	800	1,025	1,264	800	996	1,025	1,444	2,572	890	800
90%	800	800	800	800	800	800	800	800	901	2,002	800	758
Long Term												
Full Simulation Period[a]	1,543	2,032	3,277	5,205	6,147	4,150	3,252	2,799	3,199	3,682	1,801	1,890
Water Year Types[b]												
Wet (32%)	1,663	2,608	6,187	11,133	11,102	7,000	5,518	4,660	4,342	3,704	2,124	3,100
Above Normal (15%)	1,524	2,485	2,951	5,826	8,251	5,857	3,310	2,713	3,543	4,623	1,900	1,870
Below Normal (17%)	1,572	1,686	2,404	2,060	5,039	2,802	2,861	2,122	3,374	4,433	2,277	1,397
Dry (22%)	1,340	1,506	1,359	1,444	1,922	2,187	1,641	1,798	2,558	3,352	1,663	1,330
Critical (15%)	1,573	1,524	1,194	1,049	939	787	1,158	1,147	1,139	2,311	655	706

Alternative 7 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-9	-1,167	1,332	2,984	4,271	290	225	-1,784	-2,207	0	-1,427	-666
20%	134	-1,037	-1,832	1,802	2,120	528	-161	-1,319	-343	0	-1,348	-1,239
30%	74	-734	-507	971	1,102	618	50	-1,266	-125	18	-791	-1,502
40%	0	-652	-10	-498	436	835	-359	-1,111	516	-128	-1,014	-1,627
50%	0	-325	-250	-255	-161	396	104	-935	400	-202	-969	-1,036
60%	0	-402	-264	0	-494	16	-307	0	385	-336	-752	-507
70%	-294	-508	-672	-213	-100	-133	-225	-37	106	-304	-788	-172
80%	-476	-529	-699	-517	-181	-343	-449	-313	-306	-358	-863	-407
90%	-410	-149	-152	-341	-425	-91	-125	-125	-528	111	-456	-148
Long Term												
Full Simulation Period[a]	-62	-674	-242	703	930	388	-53	-788	-499	-156	-906	-773
Water Year Types[b]												
Wet (32%)	-59	-919	-115	2,326	1,809	911	218	-1,497	-1,661	-405	-1,396	-924
Above Normal (15%)	-182	-695	-186	993	1,782	404	-235	-1,172	197	-15	-641	-894
Below Normal (17%)	-30	-381	-271	-332	679	373	-265	-808	510	-311	-218	-974
Dry (22%)	-128	-670	-382	-279	70	-5	-196	8	52	-225	-949	-526
Critical (15%)	113	-471	-330	-425	-246	-152	3	-35	-685	527	-845	-459

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-19-12. American River d/s of Nimbus Dam, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,257	4,282	7,245	10,559	11,669	8,886	6,694	8,326	7,207	5,000	4,280	4,311
20%	1,723	3,062	4,444	6,735	9,108	5,544	5,098	5,048	5,136	5,000	3,823	4,177
30%	1,500	2,657	2,507	4,684	6,367	4,132	4,121	4,228	4,295	4,982	3,090	3,687
40%	1,500	2,398	2,000	3,087	4,750	3,426	3,287	3,591	3,197	4,577	2,920	3,193
50%	1,500	2,009	2,000	2,005	3,504	2,524	2,385	2,875	2,850	4,123	2,719	2,570
60%	1,500	1,925	2,000	1,700	2,413	1,843	2,057	1,750	2,344	3,623	2,502	2,041
70%	1,500	1,714	1,782	1,700	1,565	1,508	1,668	1,445	1,904	3,150	2,263	1,622
80%	1,500	1,534	1,499	1,542	1,445	1,143	1,445	1,339	1,750	2,930	1,752	1,207
90%	1,210	949	952	1,141	1,225	891	925	925	1,429	1,891	1,256	906
Long Term												
Full Simulation Period[a]	1,605	2,706	3,519	4,502	5,218	3,762	3,305	3,587	3,699	3,838	2,707	2,663
Water Year Types[b]												
Wet (32%)	1,723	3,527	6,302	8,806	9,294	6,089	5,300	6,157	6,003	4,108	3,520	4,025
Above Normal (15%)	1,706	3,181	3,137	4,833	6,469	5,454	3,546	3,885	3,346	4,638	2,542	2,764
Below Normal (17%)	1,602	2,067	2,676	2,392	4,360	2,429	3,126	2,930	2,863	4,744	2,495	2,370
Dry (22%)	1,468	2,176	1,741	1,723	1,852	2,191	1,837	1,790	2,506	3,577	2,613	1,856
Critical (15%)	1,461	1,994	1,524	1,474	1,185	939	1,156	1,182	1,824	1,784	1,500	1,164

Alternative 8 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,539	2,697	8,613	13,543	15,927	9,177	6,951	6,542	5,000	4,868	3,246	4,079
20%	1,800	1,925	3,250	8,538	11,309	6,072	5,000	5,000	4,563	3,959	2,697	3,490
30%	1,500	1,925	2,000	5,649	7,469	4,931	4,455	3,921	3,782	3,319	1,950	2,782
40%	1,500	1,762	2,000	2,923	5,324	4,046	3,797	3,648	3,368	2,815	1,750	1,690
50%	1,500	1,683	1,833	1,750	3,770	2,759	3,169	3,195	2,865	2,502	1,750	1,533
60%	1,481	1,378	1,532	1,700	2,459	1,750	2,400	2,590	2,515	2,275	1,750	1,519
70%	1,246	995	981	1,488	1,512	1,264	1,750	1,756	2,242	2,108	1,601	1,312
80%	810	800	800	850	1,264	800	1,264	1,600	1,701	1,467	911	800
90%	800	800	800	800	800	800	800	894	720	710	710	617
Long Term												
Full Simulation Period[a]	1,576	1,897	3,354	5,285	6,156	4,064	3,597	3,453	3,084	2,633	1,841	2,085
Water Year Types[b]												
Wet (32%)	1,598	2,560	6,407	11,121	11,074	6,996	5,597	4,863	3,987	2,927	2,007	3,559
Above Normal (15%)	1,953	2,175	2,947	6,235	8,304	5,452	3,240	2,744	3,339	2,928	2,042	2,649
Below Normal (17%)	1,610	1,427	2,461	2,259	5,087	2,801	3,384	3,385	2,910	3,237	2,460	1,383
Dry (22%)	1,233	1,494	1,399	1,429	1,950	2,058	2,366	2,888	2,788	2,604	1,576	1,150
Critical (15%)	1,629	1,336	1,117	1,003	907	807	1,717	2,031	1,522	1,041	955	548

Alternative 8 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	283	-1,585	1,368	2,984	4,258	292	257	-1,784	-2,207	-132	-1,034	-232
20%	77	-1,137	-1,195	1,803	2,200	528	-98	-48	-573	-1,041	-1,126	-687
30%	0	-732	-507	965	1,101	799	334	-307	-513	-1,662	-1,141	-905
40%	0	-636	0	-164	574	620	510	58	172	-1,763	-1,170	-1,503
50%	0	-325	-167	-255	265	235	784	319	15	-1,621	-969	-1,036
60%	-19	-547	-468	0	46	-93	344	840	171	-1,348	-752	-522
70%	-254	-719	-801	-213	-52	-243	82	311	338	-1,042	-662	-310
80%	-690	-734	-699	-692	-181	-343	-181	262	-49	-1,463	-841	-407
90%	-410	-149	-152	-341	-425	-91	-125	-31	-709	-1,181	-546	-289
Long Term												
Full Simulation Period[a]	-29	-809	-165	783	938	302	292	-134	-615	-1,205	-866	-578
Water Year Types[b]												
Wet (32%)	-124	-967	105	2,315	1,781	907	296	-1,294	-2,016	-1,182	-1,513	-465
Above Normal (15%)	247	-1,005	-190	1,402	1,835	-2	-306	-1,141	-6	-1,710	-500	-115
Below Normal (17%)	8	-640	-215	-133	727	372	258	455	46	-1,507	-34	-988
Dry (22%)	-235	-682	-341	-294	98	-133	529	1,098	283	-973	-1,037	-706
Critical (15%)	168	-658	-407	-471	-278	-132	562	850	-302	-744	-545	-616

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-19-13. American River d/s of Nimbus Dam, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,257	4,282	7,245	10,559	11,669	8,886	6,694	8,326	7,207	5,000	4,280	4,311
20%	1,723	3,062	4,444	6,735	9,108	5,544	5,098	5,048	5,136	5,000	3,823	4,177
30%	1,500	2,657	2,507	4,684	6,367	4,132	4,121	4,228	4,295	4,982	3,090	3,687
40%	1,500	2,398	2,000	3,087	4,750	3,426	3,287	3,591	3,197	4,577	2,920	3,193
50%	1,500	2,009	2,000	2,005	3,504	2,524	2,385	2,875	2,850	4,123	2,719	2,570
60%	1,500	1,925	2,000	1,700	2,413	1,843	2,057	1,750	2,344	3,623	2,502	2,041
70%	1,500	1,714	1,782	1,700	1,565	1,508	1,668	1,445	1,904	3,150	2,263	1,622
80%	1,500	1,534	1,499	1,542	1,445	1,143	1,445	1,339	1,750	2,930	1,752	1,207
90%	1,210	949	952	1,141	1,225	891	925	925	1,429	1,891	1,256	906
Long Term												
Full Simulation Period[a]	1,605	2,706	3,519	4,502	5,218	3,762	3,305	3,587	3,699	3,838	2,707	2,663
Water Year Types[b]												
Wet (32%)	1,723	3,527	6,302	8,806	9,294	6,089	5,300	6,157	6,003	4,108	3,520	4,025
Above Normal (15%)	1,706	3,181	3,137	4,833	6,469	5,454	3,546	3,885	3,346	4,638	2,542	2,764
Below Normal (17%)	1,602	2,067	2,676	2,392	4,360	2,429	3,126	2,930	2,863	4,744	2,495	2,370
Dry (22%)	1,468	2,176	1,741	1,723	1,852	2,191	1,837	1,790	2,506	3,577	2,613	1,856
Critical (15%)	1,461	1,994	1,524	1,474	1,185	939	1,156	1,182	1,824	1,784	1,500	1,164

Alternative 9 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,163	3,514	8,502	13,547	15,921	9,703	6,907	6,542	5,000	5,000	2,713	4,063
20%	1,812	2,534	2,892	8,537	11,309	6,071	4,948	3,411	3,890	4,704	2,434	3,664
30%	1,603	1,925	2,000	5,645	6,978	4,749	4,328	2,699	3,385	4,247	2,215	2,809
40%	1,500	1,767	2,000	2,466	5,186	3,881	3,274	2,491	3,034	3,795	1,976	1,844
50%	1,500	1,683	1,864	1,733	3,549	2,865	2,689	2,087	2,720	3,058	1,756	1,621
60%	1,500	1,552	1,750	1,700	1,965	1,966	1,810	1,959	2,390	2,907	1,750	1,532
70%	1,298	1,318	1,419	1,516	1,445	1,424	1,598	1,750	2,026	2,459	1,634	1,419
80%	1,004	1,070	971	1,272	1,361	827	1,197	1,427	1,537	2,177	908	840
90%	800	800	800	800	926	800	800	1,180	877	1,537	800	758
Long Term												
Full Simulation Period[a]	1,518	2,168	3,328	5,222	6,167	4,170	3,393	2,886	2,884	3,256	1,818	2,107
Water Year Types[b]												
Wet (32%)	1,639	2,819	6,160	11,134	11,107	6,998	5,517	4,637	3,852	3,690	2,109	3,573
Above Normal (15%)	1,446	2,428	2,930	5,819	8,263	5,782	3,312	2,588	3,104	4,497	1,955	2,112
Below Normal (17%)	1,519	1,733	2,523	2,139	4,983	2,798	3,068	2,364	2,921	3,571	2,292	1,788
Dry (22%)	1,395	1,687	1,496	1,433	1,983	2,236	2,092	2,130	2,521	2,408	1,489	1,205
Critical (15%)	1,510	1,725	1,276	1,096	1,021	929	1,206	1,130	1,066	1,975	991	651

Alternative 9 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-94	-768	1,257	2,988	4,252	817	213	-1,784	-2,207	0	-1,567	-248
20%	89	-528	-1,552	1,802	2,200	527	-150	-1,637	-1,246	-296	-1,389	-513
30%	103	-732	-507	961	610	617	206	-1,529	-910	-734	-876	-878
40%	0	-631	0	-621	436	455	-13	-1,100	-163	-783	-944	-1,349
50%	0	-325	-136	-273	45	340	304	-788	-131	-1,066	-963	-949
60%	0	-373	-250	0	-449	123	-247	209	46	-716	-752	-509
70%	-202	-396	-363	-184	-120	-84	-70	305	122	-691	-629	-203
80%	-496	-464	-528	-270	-84	-316	-248	88	-213	-754	-844	-367
90%	-410	-149	-152	-341	-299	-91	-125	255	-552	-354	-456	-148
Long Term												
Full Simulation Period[a]	-87	-539	-191	720	949	408	88	-701	-815	-582	-889	-556
Water Year Types[b]												
Wet (32%)	-84	-708	-141	2,327	1,813	910	217	-1,519	-2,151	-418	-1,411	-451
Above Normal (15%)	-260	-753	-206	986	1,794	328	-234	-1,296	-242	-141	-587	-652
Below Normal (17%)	-83	-334	-153	-253	624	369	-58	-566	57	-1,173	-203	-583
Dry (22%)	-73	-490	-245	-290	131	45	254	340	16	-1,169	-1,124	-652
Critical (15%)	50	-269	-248	-378	-164	-10	51	-51	-758	190	-509	-513

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-19-14. American River d/s of Nimbus Dam, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,799	2,943	8,472	13,543	15,920	9,685	6,898	6,542	5,000	5,000	3,007	4,089
20%	1,948	2,541	2,621	8,534	11,151	6,067	4,987	3,495	3,811	5,000	2,586	3,527
30%	1,710	1,925	2,000	5,362	6,966	4,749	4,203	2,624	3,266	5,000	2,323	2,588
40%	1,509	1,683	2,000	2,559	5,186	3,902	3,070	2,357	3,015	4,657	1,927	1,917
50%	1,500	1,593	1,786	1,750	3,198	2,908	2,609	1,759	2,673	4,072	1,839	1,548
60%	1,479	1,413	1,620	1,700	2,020	2,092	1,760	1,611	2,347	3,559	1,750	1,533
70%	1,181	1,162	1,214	1,488	1,445	1,466	1,513	1,358	1,761	2,923	1,540	1,420
80%	902	809	800	1,152	1,264	824	1,164	988	1,513	2,331	939	802
90%	800	800	800	800	902	800	800	800	959	1,349	800	721
Long Term												
Full Simulation Period[a]	1,592	2,043	3,297	5,194	6,112	4,187	3,334	2,676	2,825	3,670	1,874	2,068
Water Year Types[b]												
Wet (32%)	1,634	2,612	6,171	11,036	11,102	6,992	5,508	4,592	3,694	3,860	2,132	3,622
Above Normal (15%)	1,732	2,554	2,933	5,805	8,153	5,790	3,298	2,521	3,022	4,927	1,944	2,044
Below Normal (17%)	1,767	1,716	2,527	2,073	4,961	2,794	2,970	1,969	2,883	4,328	2,324	1,605
Dry (22%)	1,258	1,424	1,351	1,506	1,844	2,314	1,888	1,686	2,596	3,143	1,620	1,182
Critical (15%)	1,655	1,608	1,251	1,095	1,007	938	1,255	992	1,025	2,022	1,100	594

Alternative 1A,1B,1C (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,651	2,401	8,619	13,543	15,947	9,192	6,987	6,542	5,000	5,000	2,507	1,727
20%	2,716	1,925	3,463	8,519	11,230	6,066	4,998	3,832	4,874	4,946	2,226	1,533
30%	2,241	1,925	2,000	5,645	7,583	4,822	4,302	3,059	4,340	4,044	1,964	1,533
40%	1,778	1,919	2,000	2,571	5,321	4,010	3,114	2,645	3,936	3,527	1,750	1,533
50%	1,500	1,712	1,869	1,927	3,739	2,868	2,535	2,308	3,546	3,291	1,750	1,533
60%	1,500	1,593	1,750	1,700	2,357	1,750	1,873	1,944	3,112	2,745	1,750	1,518
70%	1,339	1,208	1,136	1,668	1,445	1,350	1,685	1,750	2,535	2,515	1,417	1,264
80%	874	923	803	1,193	1,294	835	1,400	1,452	1,737	2,019	800	800
90%	800	800	800	803	800	800	800	800	1,135	892	577	557
Long Term												
Full Simulation Period[a]	1,920	1,957	3,413	5,207	6,210	4,123	3,407	2,973	3,400	3,191	1,657	1,393
Water Year Types[b]												
Wet (32%)	1,823	2,578	6,435	11,011	11,122	6,987	5,519	4,718	4,568	3,530	2,159	1,906
Above Normal (15%)	1,976	2,120	2,966	5,803	8,361	5,870	3,337	2,944	3,857	4,253	1,810	1,500
Below Normal (17%)	2,177	1,647	2,704	2,149	5,174	2,688	3,156	2,517	3,768	3,660	1,633	1,363
Dry (22%)	1,717	1,394	1,349	1,535	1,923	2,113	2,012	2,134	2,552	2,494	1,328	1,141
Critical (15%)	2,080	1,655	1,239	1,109	1,055	862	1,289	1,009	1,258	1,895	940	588

Alternative 1A,1B,1C (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	852	-543	147	0	27	-493	89	0	0	0	-500	-2,362
20%	768	-616	842	-16	79	-1	11	336	1,063	-54	-360	-1,994
30%	531	0	0	283	617	73	100	435	1,074	-956	-359	-1,055
40%	269	236	0	12	136	108	44	289	921	-1,130	-177	-384
50%	0	119	83	177	541	-40	-74	549	873	-782	-89	-14
60%	21	180	130	0	337	-342	113	333	765	-815	0	-16
70%	157	46	-78	180	0	-116	172	392	774	-408	-124	-156
80%	-28	115	3	41	29	12	236	464	223	-313	-139	-2
90%	0	0	0	3	-102	0	0	0	176	-457	-223	-164
Long Term												
Full Simulation Period[a]	329	-86	116	13	97	-63	73	296	575	-479	-217	-675
Water Year Types[b]												
Wet (32%)	188	-34	264	-25	20	-5	11	127	874	-330	27	-1,716
Above Normal (15%)	244	-434	33	-2	208	79	38	423	834	-674	-135	-543
Below Normal (17%)	410	-70	177	76	213	-106	187	548	885	-668	-692	-242
Dry (22%)	459	-31	-3	29	79	-202	124	448	-44	-650	-292	-41
Critical (15%)	426	48	-12	14	48	-76	34	17	234	-127	-160	-6

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-19-15. American River d/s of Nimbus Dam, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,799	2,943	8,472	13,543	15,920	9,685	6,898	6,542	5,000	5,000	3,007	4,089
20%	1,948	2,541	2,621	8,534	11,151	6,067	4,987	3,495	3,811	5,000	2,586	3,527
30%	1,710	1,925	2,000	5,362	6,966	4,749	4,203	2,624	3,266	5,000	2,323	2,588
40%	1,509	1,683	2,000	2,559	5,186	3,902	3,070	2,357	3,015	4,657	1,927	1,917
50%	1,500	1,593	1,786	1,750	3,198	2,908	2,609	1,759	2,673	4,072	1,839	1,548
60%	1,479	1,413	1,620	1,700	2,020	2,092	1,760	1,611	2,347	3,559	1,750	1,533
70%	1,181	1,162	1,214	1,488	1,445	1,466	1,513	1,358	1,761	2,923	1,540	1,420
80%	902	809	800	1,152	1,264	824	1,164	988	1,513	2,331	939	802
90%	800	800	800	800	902	800	800	800	959	1,349	800	721
Long Term												
Full Simulation Period[a]	1,592	2,043	3,297	5,194	6,112	4,187	3,334	2,676	2,825	3,670	1,874	2,068
Water Year Types[b]												
Wet (32%)	1,634	2,612	6,171	11,036	11,102	6,992	5,508	4,592	3,694	3,860	2,132	3,622
Above Normal (15%)	1,732	2,554	2,933	5,805	8,153	5,790	3,298	2,521	3,022	4,927	1,944	2,044
Below Normal (17%)	1,767	1,716	2,527	2,073	4,961	2,794	2,970	1,969	2,883	4,328	2,324	1,605
Dry (22%)	1,258	1,424	1,351	1,506	1,844	2,314	1,888	1,686	2,596	3,143	1,620	1,182
Critical (15%)	1,655	1,608	1,251	1,095	1,007	938	1,255	992	1,025	2,022	1,100	594

Alternative 2A,2B,2C (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,498	3,097	8,552	13,543	15,925	9,193	6,981	6,542	5,000	5,000	2,418	3,455
20%	2,240	1,925	2,621	8,535	11,228	6,070	4,981	4,070	4,967	5,000	2,167	2,853
30%	1,549	1,917	2,038	5,645	7,467	4,812	4,271	3,061	4,620	4,716	1,947	2,053
40%	1,500	1,804	2,000	2,638	5,273	4,245	2,994	2,623	3,863	3,850	1,750	1,533
50%	1,500	1,683	1,882	1,750	3,324	2,908	2,384	2,338	3,430	3,336	1,750	1,533
60%	1,500	1,396	1,750	1,700	1,916	1,750	1,760	1,759	2,900	3,027	1,750	1,532
70%	1,286	1,133	1,169	1,596	1,541	1,439	1,632	1,652	2,313	2,634	1,450	1,331
80%	813	800	800	1,146	1,445	832	1,217	1,320	1,578	2,349	848	800
90%	800	800	800	800	803	800	800	800	945	1,496	800	718
Long Term												
Full Simulation Period[a]	1,588	1,984	3,319	5,187	6,165	4,157	3,326	2,948	3,363	3,412	1,659	1,795
Water Year Types[b]												
Wet (32%)	1,476	2,495	6,083	11,011	11,106	6,989	5,515	4,695	4,520	3,575	2,162	2,966
Above Normal (15%)	1,630	2,439	2,922	5,811	8,247	5,848	3,300	3,004	3,651	4,590	1,768	1,863
Below Normal (17%)	1,910	1,700	2,694	2,034	4,992	2,797	2,993	2,418	3,551	3,995	1,799	1,377
Dry (22%)	1,422	1,501	1,348	1,442	1,969	2,191	1,841	2,098	2,750	2,733	1,320	1,177
Critical (15%)	1,660	1,479	1,409	1,237	1,036	868	1,226	1,002	1,267	2,221	802	608

Alternative 2A,2B,2C (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-300	153	80	0	5	-493	83	0	0	0	-589	-634
20%	292	-616	-1	0	77	3	-6	575	1,156	0	-419	-674
30%	-161	-8	38	283	502	62	69	437	1,354	-284	-375	-535
40%	-9	120	0	79	87	343	-76	266	848	-806	-177	-384
50%	0	90	96	0	126	0	-225	579	757	-737	-89	-14
60%	21	-16	130	0	-104	-342	0	148	553	-533	0	-2
70%	105	-29	-46	109	96	-27	119	294	552	-289	-90	-89
80%	-89	-9	0	-6	181	8	53	332	65	18	-91	-2
90%	0	0	0	0	-99	0	0	0	-14	147	0	-3
Long Term												
Full Simulation Period[a]	-4	-59	22	-7	52	-29	-8	272	537	-258	-215	-272
Water Year Types[b]												
Wet (32%)	-158	-117	-88	-25	4	-3	7	103	826	-286	30	-656
Above Normal (15%)	-102	-115	-11	6	95	57	2	483	629	-337	-176	-181
Below Normal (17%)	143	-16	167	-39	31	3	24	449	668	-334	-526	-228
Dry (22%)	164	77	-3	-64	126	-124	-47	412	154	-411	-300	-5
Critical (15%)	5	-129	158	142	30	-70	-29	10	243	199	-298	14

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-19-16. American River d/s of Nimbus Dam, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,799	2,943	8,472	13,543	15,920	9,685	6,898	6,542	5,000	5,000	3,007	4,089
20%	1,948	2,541	2,621	8,534	11,151	6,067	4,987	3,495	3,811	5,000	2,586	3,527
30%	1,710	1,925	2,000	5,362	6,966	4,749	4,203	2,624	3,266	5,000	2,323	2,588
40%	1,509	1,683	2,000	2,559	5,186	3,902	3,070	2,357	3,015	4,657	1,927	1,917
50%	1,500	1,593	1,786	1,750	3,198	2,908	2,609	1,759	2,673	4,072	1,839	1,548
60%	1,479	1,413	1,620	1,700	2,020	2,092	1,760	1,611	2,347	3,559	1,750	1,533
70%	1,181	1,162	1,214	1,488	1,445	1,466	1,513	1,358	1,761	2,923	1,540	1,420
80%	902	809	800	1,152	1,264	824	1,164	988	1,513	2,331	939	802
90%	800	800	800	800	902	800	800	800	959	1,349	800	721
Long Term												
Full Simulation Period[a]	1,592	2,043	3,297	5,194	6,112	4,187	3,334	2,676	2,825	3,670	1,874	2,068
Water Year Types[b]												
Wet (32%)	1,634	2,612	6,171	11,036	11,102	6,992	5,508	4,592	3,694	3,860	2,132	3,622
Above Normal (15%)	1,732	2,554	2,933	5,805	8,153	5,790	3,298	2,521	3,022	4,927	1,944	2,044
Below Normal (17%)	1,767	1,716	2,527	2,073	4,961	2,794	2,970	1,969	2,883	4,328	2,324	1,605
Dry (22%)	1,258	1,424	1,351	1,506	1,844	2,314	1,888	1,686	2,596	3,143	1,620	1,182
Critical (15%)	1,655	1,608	1,251	1,095	1,007	938	1,255	992	1,025	2,022	1,100	594

Alternative 3 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,662	2,405	8,676	13,543	15,898	9,454	6,898	6,542	5,000	5,000	2,457	1,791
20%	2,703	1,925	3,463	8,523	11,230	6,066	4,982	3,967	4,812	5,000	2,254	1,533
30%	1,809	1,925	2,000	5,645	7,220	4,762	4,217	3,041	4,234	4,478	1,925	1,533
40%	1,603	1,908	2,000	2,964	5,179	4,188	3,157	2,612	3,779	3,545	1,750	1,533
50%	1,500	1,683	1,904	1,880	3,739	2,908	2,698	2,423	3,386	3,232	1,750	1,533
60%	1,499	1,578	1,750	1,700	2,020	1,750	1,904	2,009	3,008	2,899	1,745	1,519
70%	1,211	1,211	1,194	1,700	1,445	1,349	1,657	1,750	2,627	2,572	1,490	1,210
80%	857	892	800	1,438	1,285	835	1,316	1,445	1,580	2,262	800	800
90%	800	800	800	806	803	800	800	800	1,121	1,414	488	557
Long Term												
Full Simulation Period[a]	1,857	1,979	3,426	5,254	6,102	4,154	3,380	2,988	3,352	3,310	1,638	1,407
Water Year Types[b]												
Wet (32%)	1,877	2,574	6,435	10,985	11,092	6,987	5,519	4,727	4,465	3,576	2,165	1,929
Above Normal (15%)	1,935	2,168	2,962	5,812	8,327	5,887	3,322	2,924	3,815	4,348	1,798	1,519
Below Normal (17%)	2,030	1,646	2,739	2,358	4,727	2,804	3,047	2,584	3,770	3,738	1,620	1,369
Dry (22%)	1,624	1,423	1,376	1,532	1,858	2,151	2,016	2,156	2,596	2,712	1,266	1,134
Critical (15%)	1,883	1,724	1,248	1,244	1,033	860	1,237	1,005	1,122	2,093	915	620

Alternative 3 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	863	**-538**	204	0	**-22**	**-232**	**0**	0	0	0	**-550**	**-2,297**
20%	755	**-616**	841	**-11**	79	**-1**	**-5**	472	1,000	0	**-331**	**-1,994**
30%	99	0	0	283	254	13	15	417	967	**-522**	**-398**	**-1,055**
40%	94	224	0	405	**-7**	286	87	255	764	**-1,112**	**-177**	**-384**
50%	0	90	118	130	541	**0**	89	664	713	**-840**	**-89**	**-14**
60%	20	165	130	0	0	**-342**	144	398	660	**-660**	**-5**	**-15**
70%	29	49	**-20**	213	0	**-117**	145	392	866	**-350**	**-51**	**-210**
80%	**-45**	83	0	286	21	12	152	457	66	**-69**	**-139**	**-2**
90%	0	0	0	6	**-99**	0	0	0	162	64	**-312**	**-164**
Long Term												
Full Simulation Period[a]	265	**-64**	129	61	**-11**	**-33**	46	312	526	**-360**	**-236**	**-661**
Water Year Types[b]												
Wet (32%)	242	**-38**	264	**-52**	**-10**	**-5**	11	135	771	**-285**	33	**-1,694**
Above Normal (15%)	203	**-386**	29	7	175	96	24	404	793	**-579**	**-147**	**-525**
Below Normal (17%)	263	**-70**	212	285	**-234**	10	78	615	888	**-591**	**-704**	**-235**
Dry (22%)	366	**-2**	25	26	15	**-164**	128	470	0	**-431**	**-354**	**-48**
Critical (15%)	229	116	**-4**	149	27	**-77**	**-18**	14	98	71	**-185**	26

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-19-17. American River d/s of Nimbus Dam, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,799	2,943	8,472	13,543	15,920	9,685	6,898	6,542	5,000	5,000	3,007	4,089
20%	1,948	2,541	2,621	8,534	11,151	6,067	4,987	3,495	3,811	5,000	2,586	3,527
30%	1,710	1,925	2,000	5,362	6,966	4,749	4,203	2,624	3,266	5,000	2,323	2,588
40%	1,509	1,683	2,000	2,559	5,186	3,902	3,070	2,357	3,015	4,657	1,927	1,917
50%	1,500	1,593	1,786	1,750	3,198	2,908	2,609	1,759	2,673	4,072	1,839	1,548
60%	1,479	1,413	1,620	1,700	2,020	2,092	1,760	1,611	2,347	3,559	1,750	1,533
70%	1,181	1,162	1,214	1,488	1,445	1,466	1,513	1,358	1,761	2,923	1,540	1,420
80%	902	809	800	1,152	1,264	824	1,164	988	1,513	2,331	939	802
90%	800	800	800	800	902	800	800	800	959	1,349	800	721
Long Term												
Full Simulation Period[a]	1,592	2,043	3,297	5,194	6,112	4,187	3,334	2,676	2,825	3,670	1,874	2,068
Water Year Types[b]												
Wet (32%)	1,634	2,612	6,171	11,036	11,102	6,992	5,508	4,592	3,694	3,860	2,132	3,622
Above Normal (15%)	1,732	2,554	2,933	5,805	8,153	5,790	3,298	2,521	3,022	4,927	1,944	2,044
Below Normal (17%)	1,767	1,716	2,527	2,073	4,961	2,794	2,970	1,969	2,883	4,328	2,324	1,605
Dry (22%)	1,258	1,424	1,351	1,506	1,844	2,314	1,888	1,686	2,596	3,143	1,620	1,182
Critical (15%)	1,655	1,608	1,251	1,095	1,007	938	1,255	992	1,025	2,022	1,100	594

Alternative 4 H1 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,461	2,159	8,679	13,543	15,920	9,380	6,950	6,542	5,000	5,000	2,508	1,872
20%	2,132	1,925	3,257	7,932	10,950	6,066	4,982	3,722	4,870	5,000	2,315	1,533
30%	1,750	1,925	2,001	5,645	7,463	4,829	4,218	2,991	4,440	4,845	1,964	1,533
40%	1,500	1,889	2,000	2,751	5,176	4,268	3,062	2,590	3,917	4,135	1,750	1,533
50%	1,500	1,686	1,944	1,783	3,673	2,908	2,507	2,161	3,557	3,361	1,750	1,533
60%	1,500	1,458	1,750	1,700	2,602	1,750	1,802	1,786	3,093	3,047	1,750	1,533
70%	1,228	1,125	1,170	1,697	1,518	1,346	1,582	1,542	2,643	2,673	1,437	1,354
80%	897	866	864	1,076	1,442	830	1,315	1,325	2,006	2,040	852	800
90%	800	800	800	800	800	800	800	803	1,074	955	800	722
Long Term												
Full Simulation Period[a]	1,620	1,925	3,460	5,244	6,189	4,174	3,351	2,873	3,466	3,390	1,689	1,437
Water Year Types[b]												
Wet (32%)	1,557	2,482	6,452	11,143	11,163	6,982	5,510	4,654	4,472	3,729	2,122	1,960
Above Normal (15%)	1,589	2,284	2,947	5,969	8,327	5,920	3,321	2,758	3,605	4,696	1,971	1,515
Below Normal (17%)	2,062	1,612	2,806	2,098	5,029	2,834	2,995	2,435	4,040	3,866	1,793	1,370
Dry (22%)	1,449	1,341	1,416	1,411	1,888	2,200	1,913	1,957	2,743	2,812	1,346	1,170
Critical (15%)	1,531	1,601	1,318	1,156	1,075	867	1,278	1,011	1,563	1,663	860	705

Alternative 4 H1 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	**-338**	**-784**	207	0	0	**-305**	52	0	0	0	**-499**	**-2,216**
20%	184	**-616**	636	**-602**	**-201**	**-1**	**-5**	227	1,058	0	**-270**	**-1,994**
30%	40	0	1	283	498	79	15	367	1,174	**-155**	**-358**	**-1,055**
40%	**-9**	205	0	191	**-9**	366	**-9**	233	902	**-521**	**-177**	**-384**
50%	0	93	157	33	475	**0**	**-102**	402	884	**-711**	**-89**	**-14**
60%	21	45	130	0	582	**-342**	41	175	746	**-512**	0	**0**
70%	46	**-37**	**-44**	209	73	**-120**	70	185	882	**-250**	**-103**	**-66**
80%	**-5**	57	64	**-76**	178	6	151	337	492	**-292**	**-87**	**-2**
90%	0	0	0	0	**-102**	0	0	3	114	**-394**	0	1
Long Term												
Full Simulation Period[a]	29	**-118**	163	50	76	**-13**	17	196	641	**-280**	**-185**	**-631**
Water Year Types[b]												
Wet (32%)	**-77**	**-130**	281	106	61	**-10**	1	62	779	**-131**	**-10**	**-1,663**
Above Normal (15%)	**-142**	**-270**	14	164	174	130	22	237	583	**-231**	27	**-529**
Below Normal (17%)	296	**-104**	279	25	68	40	26	466	1,158	**-462**	**-531**	**-235**
Dry (22%)	191	**-83**	65	**-95**	45	**-115**	25	271	147	**-331**	**-274**	**-12**
Critical (15%)	**-124**	**-6**	67	61	69	**-71**	23	19	538	**-359**	**-240**	112

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-19-18. American River d/s of Nimbus Dam, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,799	2,943	8,472	13,543	15,920	9,685	6,898	6,542	5,000	5,000	3,007	4,089
20%	1,948	2,541	2,621	8,534	11,151	6,067	4,987	3,495	3,811	5,000	2,586	3,527
30%	1,710	1,925	2,000	5,362	6,966	4,749	4,203	2,624	3,266	5,000	2,323	2,588
40%	1,509	1,683	2,000	2,559	5,186	3,902	3,070	2,357	3,015	4,657	1,927	1,917
50%	1,500	1,593	1,786	1,750	3,198	2,908	2,609	1,759	2,673	4,072	1,839	1,548
60%	1,479	1,413	1,620	1,700	2,020	2,092	1,760	1,611	2,347	3,559	1,750	1,533
70%	1,181	1,162	1,214	1,488	1,445	1,466	1,513	1,358	1,761	2,923	1,540	1,420
80%	902	809	800	1,152	1,264	824	1,164	988	1,513	2,331	939	802
90%	800	800	800	800	902	800	800	800	959	1,349	800	721
Long Term												
Full Simulation Period[a]	1,592	2,043	3,297	5,194	6,112	4,187	3,334	2,676	2,825	3,670	1,874	2,068
Water Year Types[b]												
Wet (32%)	1,634	2,612	6,171	11,036	11,102	6,992	5,508	4,592	3,694	3,860	2,132	3,622
Above Normal (15%)	1,732	2,554	2,933	5,805	8,153	5,790	3,298	2,521	3,022	4,927	1,944	2,044
Below Normal (17%)	1,767	1,716	2,527	2,073	4,961	2,794	2,970	1,969	2,883	4,328	2,324	1,605
Dry (22%)	1,258	1,424	1,351	1,506	1,844	2,314	1,888	1,686	2,596	3,143	1,620	1,182
Critical (15%)	1,655	1,608	1,251	1,095	1,007	938	1,255	992	1,025	2,022	1,100	594

Alternative 4 H2 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,310	2,502	8,708	13,543	15,928	9,683	6,893	6,542	5,000	5,000	2,872	2,340
20%	2,091	1,925	3,309	8,518	10,993	6,066	4,982	3,666	4,149	5,000	2,615	1,533
30%	1,806	1,925	2,030	5,645	7,463	4,829	4,261	2,846	3,516	5,000	2,184	1,533
40%	1,500	1,925	2,000	2,859	5,176	4,246	3,320	2,467	3,111	4,141	2,030	1,533
50%	1,500	1,708	2,000	2,186	3,693	2,845	2,506	1,888	2,805	3,688	1,750	1,533
60%	1,500	1,614	1,750	1,700	2,764	1,939	1,760	1,750	2,364	3,180	1,750	1,533
70%	1,427	1,371	1,517	1,700	1,750	1,391	1,546	1,369	1,750	2,747	1,549	1,365
80%	967	974	896	1,324	1,329	925	1,187	1,124	1,500	2,332	894	800
90%	800	800	800	800	979	800	800	800	937	1,269	800	729
Long Term												
Full Simulation Period[a]	1,620	2,049	3,568	5,310	6,239	4,193	3,331	2,733	2,890	3,521	1,833	1,487
Water Year Types[b]												
Wet (32%)	1,659	2,719	6,710	11,115	11,167	6,989	5,504	4,598	3,905	3,708	2,238	2,013
Above Normal (15%)	1,650	2,390	3,011	6,096	8,344	5,914	3,295	2,658	2,791	4,627	2,058	1,483
Below Normal (17%)	1,943	1,664	2,794	2,210	5,215	2,841	2,986	1,985	2,941	4,146	2,131	1,500
Dry (22%)	1,371	1,455	1,471	1,571	1,961	2,282	1,874	1,822	2,474	2,998	1,424	1,236
Critical (15%)	1,502	1,595	1,368	1,175	1,069	856	1,250	1,007	1,355	2,067	997	711

Alternative 4 H2 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	**-489**	**-441**	236	0	9	**-2**	**-6**	0	0	0	**-135**	**-1,748**
20%	143	**-616**	687	**-16**	**-158**	**-1**	**-6**	171	337	0	29	**-1,994**
30%	96	0	30	283	497	79	59	222	250	0	**-138**	**-1,055**
40%	**-9**	242	0	299	**-10**	344	250	110	96	**-516**	103	**-384**
50%	0	114	214	436	495	**-63**	**-103**	129	132	**-384**	**-89**	**-14**
60%	21	202	130	0	744	**-153**	0	139	16	**-380**	0	0
70%	246	209	303	213	305	**-75**	34	12	**-11**	**-176**	9	**-55**
80%	65	165	96	171	65	101	23	136	**-13**	1	**-45**	**-2**
90%	0	0	0	0	77	0	0	0	**-22**	**-80**	0	8
Long Term												
Full Simulation Period[a]	29	6	271	117	127	6	**-3**	57	65	**-149**	**-41**	**-581**
Water Year Types[b]												
Wet (32%)	25	107	539	79	65	**-3**	**-4**	6	211	**-152**	106	**-1,610**
Above Normal (15%)	**-82**	**-164**	78	291	192	124	**-3**	137	**-231**	**-300**	114	**-561**
Below Normal (17%)	176	**-52**	267	137	254	47	16	16	58	**-183**	**-193**	**-105**
Dry (22%)	113	31	119	65	117	**-32**	**-15**	136	**-122**	**-145**	**-195**	55
Critical (15%)	**-153**	**-13**	116	80	63	**-81**	**-6**	15	330	45	**-103**	118

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-19-19. American River d/s of Nimbus Dam, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,799	2,943	8,472	13,543	15,920	9,685	6,898	6,542	5,000	5,000	3,007	4,089
20%	1,948	2,541	2,621	8,534	11,151	6,067	4,987	3,495	3,811	5,000	2,586	3,527
30%	1,710	1,925	2,000	5,362	6,966	4,749	4,203	2,624	3,266	5,000	2,323	2,588
40%	1,509	1,683	2,000	2,559	5,186	3,902	3,070	2,357	3,015	4,657	1,927	1,917
50%	1,500	1,593	1,786	1,750	3,198	2,908	2,609	1,759	2,673	4,072	1,839	1,548
60%	1,479	1,413	1,620	1,700	2,020	2,092	1,760	1,611	2,347	3,559	1,750	1,533
70%	1,181	1,162	1,214	1,488	1,445	1,466	1,513	1,358	1,761	2,923	1,540	1,420
80%	902	809	800	1,152	1,264	824	1,164	988	1,513	2,331	939	802
90%	800	800	800	800	902	800	800	800	959	1,349	800	721
Long Term												
Full Simulation Period[a]	1,592	2,043	3,297	5,194	6,112	4,187	3,334	2,676	2,825	3,670	1,874	2,068
Water Year Types[b]												
Wet (32%)	1,634	2,612	6,171	11,036	11,102	6,992	5,508	4,592	3,694	3,860	2,132	3,622
Above Normal (15%)	1,732	2,554	2,933	5,805	8,153	5,790	3,298	2,521	3,022	4,927	1,944	2,044
Below Normal (17%)	1,767	1,716	2,527	2,073	4,961	2,794	2,970	1,969	2,883	4,328	2,324	1,605
Dry (22%)	1,258	1,424	1,351	1,506	1,844	2,314	1,888	1,686	2,596	3,143	1,620	1,182
Critical (15%)	1,655	1,608	1,251	1,095	1,007	938	1,255	992	1,025	2,022	1,100	594

Alternative 4 H3 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,597	2,831	8,558	13,543	15,920	9,229	6,950	6,542	5,000	5,000	2,509	3,450
20%	2,184	1,925	2,501	8,535	11,228	6,070	4,982	3,722	4,935	5,000	2,280	2,847
30%	1,681	1,925	2,000	5,645	7,468	4,776	4,263	3,043	4,344	4,998	1,977	2,038
40%	1,500	1,817	2,000	2,557	5,186	4,246	3,017	2,561	3,847	4,471	1,753	1,533
50%	1,500	1,683	1,848	1,750	3,290	2,910	2,509	2,295	3,272	3,622	1,750	1,533
60%	1,500	1,425	1,750	1,700	1,914	1,750	1,805	1,798	2,863	3,203	1,750	1,533
70%	1,240	1,133	1,162	1,637	1,560	1,436	1,577	1,551	2,485	2,680	1,482	1,410
80%	870	800	800	1,131	1,445	827	1,209	1,289	1,588	2,305	862	805
90%	800	800	800	800	807	800	800	800	941	939	641	735
Long Term												
Full Simulation Period[a]	1,613	1,965	3,288	5,184	6,155	4,160	3,336	2,886	3,311	3,496	1,685	1,827
Water Year Types[b]												
Wet (32%)	1,491	2,508	6,090	11,040	11,107	6,987	5,517	4,674	4,373	3,706	2,118	3,026
Above Normal (15%)	1,663	2,406	2,927	5,753	8,243	5,811	3,301	2,775	3,597	4,738	1,971	1,819
Below Normal (17%)	2,001	1,593	2,591	2,026	4,934	2,842	2,952	2,381	3,517	4,198	1,757	1,377
Dry (22%)	1,430	1,494	1,340	1,417	1,972	2,194	1,884	2,029	2,815	2,771	1,369	1,228
Critical (15%)	1,650	1,490	1,315	1,258	1,036	872	1,270	1,002	1,226	2,070	855	662

Alternative 4 H3 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	**-201**	**-112**	86	0	0	**-456**	52	0	0	0	**-498**	**-639**
20%	236	**-616**	**-120**	0	77	3	**-5**	227	1,124	0	**-306**	**-680**
30%	**-29**	0	0	283	502	26	61	419	1,078	**-2**	**-345**	**-550**
40%	**-9**	134	0	**-2**	0	344	**-54**	204	832	**-186**	**-174**	**-384**
50%	0	90	62	0	92	3	**-100**	536	599	**-451**	**-89**	**-14**
60%	21	12	130	0	**-106**	**-342**	45	188	515	**-356**	0	0
70%	58	**-29**	**-52**	150	115	**-30**	65	193	724	**-242**	**-58**	**-10**
80%	**-32**	**-9**	0	**-21**	181	4	45	301	75	**-26**	**-77**	3
90%	0	0	0	0	**-95**	0	0	0	**-18**	**-410**	**-159**	15
Long Term												
Full Simulation Period[a]	22	**-77**	**-8**	**-10**	43	**-27**	1	210	486	**-174**	**-189**	**-241**
Water Year Types[b]												
Wet (32%)	**-143**	**-104**	**-81**	3	5	**-5**	9	82	680	**-154**	**-14**	**-596**
Above Normal (15%)	**-68**	**-148**	**-5**	**-51**	90	21	2	254	575	**-189**	26	**-225**
Below Normal (17%)	235	**-124**	64	**-47**	**-27**	48	**-18**	412	635	**-131**	**-568**	**-228**
Dry (22%)	172	70	**-11**	**-89**	128	**-121**	**-4**	343	219	**-373**	**-251**	46
Critical (15%)	**-5**	**-118**	64	163	30	**-66**	15	10	201	48	**-245**	68

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-19-20. American River d/s of Nimbus Dam, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,799	2,943	8,472	13,543	15,920	9,685	6,898	6,542	5,000	5,000	3,007	4,089
20%	1,948	2,541	2,621	8,534	11,151	6,067	4,987	3,495	3,811	5,000	2,586	3,527
30%	1,710	1,925	2,000	5,362	6,966	4,749	4,203	2,624	3,266	5,000	2,323	2,588
40%	1,509	1,683	2,000	2,559	5,186	3,902	3,070	2,357	3,015	4,657	1,927	1,917
50%	1,500	1,593	1,786	1,750	3,198	2,908	2,609	1,759	2,673	4,072	1,839	1,548
60%	1,479	1,413	1,620	1,700	2,020	2,092	1,760	1,611	2,347	3,559	1,750	1,533
70%	1,181	1,162	1,214	1,488	1,445	1,466	1,513	1,358	1,761	2,923	1,540	1,420
80%	902	809	800	1,152	1,264	824	1,164	988	1,513	2,331	939	802
90%	800	800	800	800	902	800	800	800	959	1,349	800	721
Long Term												
Full Simulation Period[a]	1,592	2,043	3,297	5,194	6,112	4,187	3,334	2,676	2,825	3,670	1,874	2,068
Water Year Types[b]												
Wet (32%)	1,634	2,612	6,171	11,036	11,102	6,992	5,508	4,592	3,694	3,860	2,132	3,622
Above Normal (15%)	1,732	2,554	2,933	5,805	8,153	5,790	3,298	2,521	3,022	4,927	1,944	2,044
Below Normal (17%)	1,767	1,716	2,527	2,073	4,961	2,794	2,970	1,969	2,883	4,328	2,324	1,605
Dry (22%)	1,258	1,424	1,351	1,506	1,844	2,314	1,888	1,686	2,596	3,143	1,620	1,182
Critical (15%)	1,655	1,608	1,251	1,095	1,007	938	1,255	992	1,025	2,022	1,100	594

Alternative 4 H4 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,237	2,696	8,558	13,543	15,927	9,683	6,950	6,542	5,000	5,000	2,967	4,119
20%	1,729	1,925	2,919	8,584	11,228	6,070	4,982	3,666	4,298	5,000	2,638	3,666
30%	1,500	1,921	2,000	5,244	7,467	4,749	4,261	2,807	3,624	5,000	2,380	2,728
40%	1,500	1,761	2,000	2,768	5,186	3,872	3,140	2,395	3,260	4,382	2,034	1,992
50%	1,500	1,683	1,808	1,725	3,423	2,847	2,506	1,888	2,822	3,627	1,750	1,533
60%	1,497	1,468	1,750	1,700	1,990	1,939	1,760	1,741	2,276	3,088	1,750	1,533
70%	1,244	1,221	1,229	1,488	1,480	1,439	1,537	1,383	1,750	2,674	1,728	1,388
80%	800	839	802	1,166	1,367	894	1,138	900	1,426	2,231	984	878
90%	800	800	800	800	823	800	800	800	937	1,186	800	767
Long Term												
Full Simulation Period[a]	1,493	1,977	3,376	5,194	6,175	4,156	3,323	2,732	2,936	3,474	1,926	2,088
Water Year Types[b]												
Wet (32%)	1,453	2,535	6,320	10,995	11,109	6,987	5,516	4,604	3,894	3,795	2,253	3,614
Above Normal (15%)	1,537	2,343	2,904	5,859	8,230	5,750	3,294	2,609	2,865	4,625	2,202	2,032
Below Normal (17%)	1,785	1,591	2,612	2,096	5,065	2,803	2,977	1,960	2,949	4,090	2,222	1,526
Dry (22%)	1,232	1,534	1,398	1,469	1,928	2,253	1,823	1,862	2,553	2,867	1,567	1,313
Critical (15%)	1,589	1,514	1,329	1,161	1,091	865	1,253	1,005	1,490	1,819	1,131	657

Alternative 4 H4 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-562	-248	86	0	7	-2	52	0	0	0	-40	31
20%	-219	-616	298	50	77	3	-5	171	487	0	53	139
30%	-210	-4	0	-118	501	0	59	183	358	0	57	140
40%	-9	77	0	209	0	-30	70	39	245	-275	107	75
50%	0	90	22	-25	225	-61	-103	128	149	-446	-89	-14
60%	18	55	130	0	-30	-153	0	131	-72	-471	0	0
70%	62	59	15	0	35	-27	24	25	-11	-249	188	-32
80%	-102	30	2	14	102	70	-26	-88	-88	-101	45	76
90%	0	0	0	0	-79	0	0	0	-22	-164	0	46
Long Term												
Full Simulation Period[a]	-98	-66	79	0	62	-30	-11	56	111	-196	52	20
Water Year Types[b]												
Wet (32%)	-181	-77	149	-42	7	-5	8	12	201	-66	121	-9
Above Normal (15%)	-195	-211	-29	54	78	-41	-5	88	-158	-302	258	-11
Below Normal (17%)	19	-125	85	23	104	8	7	-9	66	-238	-102	-79
Dry (22%)	-27	109	46	-37	84	-62	-65	176	-43	-276	-52	131
Critical (15%)	-66	-94	78	67	85	-73	-2	13	466	-203	31	63

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-19-21. American River d/s of Nimbus Dam, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,799	2,943	8,472	13,543	15,920	9,685	6,898	6,542	5,000	5,000	3,007	4,089
20%	1,948	2,541	2,621	8,534	11,151	6,067	4,987	3,495	3,811	5,000	2,586	3,527
30%	1,710	1,925	2,000	5,362	6,966	4,749	4,203	2,624	3,266	5,000	2,323	2,588
40%	1,509	1,683	2,000	2,559	5,186	3,902	3,070	2,357	3,015	4,657	1,927	1,917
50%	1,500	1,593	1,786	1,750	3,198	2,908	2,609	1,759	2,673	4,072	1,839	1,548
60%	1,479	1,413	1,620	1,700	2,020	2,092	1,760	1,611	2,347	3,559	1,750	1,533
70%	1,181	1,162	1,214	1,488	1,445	1,466	1,513	1,358	1,761	2,923	1,540	1,420
80%	902	809	800	1,152	1,264	824	1,164	988	1,513	2,331	939	802
90%	800	800	800	800	902	800	800	800	959	1,349	800	721
Long Term												
Full Simulation Period[a]	1,592	2,043	3,297	5,194	6,112	4,187	3,334	2,676	2,825	3,670	1,874	2,068
Water Year Types[b]												
Wet (32%)	1,634	2,612	6,171	11,036	11,102	6,992	5,508	4,592	3,694	3,860	2,132	3,622
Above Normal (15%)	1,732	2,554	2,933	5,805	8,153	5,790	3,298	2,521	3,022	4,927	1,944	2,044
Below Normal (17%)	1,767	1,716	2,527	2,073	4,961	2,794	2,970	1,969	2,883	4,328	2,324	1,605
Dry (22%)	1,258	1,424	1,351	1,506	1,844	2,314	1,888	1,686	2,596	3,143	1,620	1,182
Critical (15%)	1,655	1,608	1,251	1,095	1,007	938	1,255	992	1,025	2,022	1,100	594

Alternative 5 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,562	3,261	8,439	13,543	15,926	9,684	6,893	6,542	5,000	5,000	2,430	4,221
20%	1,971	1,961	2,667	8,532	11,234	6,061	4,984	3,638	4,960	5,000	2,135	3,217
30%	1,517	1,879	2,000	5,645	7,042	4,749	4,292	2,908	4,036	5,000	1,751	2,048
40%	1,500	1,734	1,996	2,476	5,185	4,111	2,999	2,565	3,612	4,862	1,750	1,533
50%	1,500	1,612	1,879	1,700	3,439	2,908	2,524	2,151	3,229	3,930	1,750	1,533
60%	1,417	1,396	1,629	1,700	1,897	1,750	1,858	1,750	2,731	3,454	1,750	1,533
70%	1,021	951	1,147	1,608	1,445	1,425	1,596	1,473	2,314	3,006	1,485	1,438
80%	800	800	800	1,174	1,437	835	1,173	1,214	1,617	2,369	846	803
90%	800	800	800	800	832	800	800	800	862	1,486	655	721
Long Term												
Full Simulation Period[a]	1,545	1,960	3,223	5,167	6,144	4,169	3,351	2,823	3,249	3,668	1,645	1,968
Water Year Types[b]												
Wet (32%)	1,486	2,501	6,009	11,070	11,104	6,992	5,507	4,632	4,223	3,896	2,019	3,336
Above Normal (15%)	1,494	2,324	2,874	5,705	8,242	5,800	3,297	2,687	3,350	4,448	1,993	2,165
Below Normal (17%)	2,037	1,570	2,444	1,997	4,846	2,770	2,957	2,267	3,417	4,237	1,911	1,378
Dry (22%)	1,332	1,496	1,368	1,388	2,026	2,276	1,947	1,943	2,828	3,237	1,284	1,170
Critical (15%)	1,472	1,576	1,227	1,204	993	895	1,300	1,006	1,471	2,380	717	691

Alternative 5 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-237	318	-33	0	6	-1	-6	0	0	0	-577	132
20%	23	-581	46	-2	84	-6	-3	143	1,149	0	-451	-310
30%	-193	-46	0	283	76	0	89	284	770	0	-572	-540
40%	-9	51	-4	-84	-1	209	-71	208	597	206	-177	-384
50%	0	19	93	-50	241	0	-85	392	556	-142	-89	-14
60%	-62	-17	10	0	-123	-342	98	139	383	-106	0	0
70%	-160	-211	-67	121	0	-42	83	115	553	83	-55	18
80%	-102	-9	0	21	172	12	9	226	104	38	-93	1
90%	0	0	0	0	-70	0	0	0	-97	137	-145	0
Long Term												
Full Simulation Period[a]	-46	-83	-74	-27	32	-17	17	147	423	-1	-229	-100
Water Year Types[b]												
Wet (32%)	-148	-112	-162	34	2	0	-2	40	530	35	-113	-286
Above Normal (15%)	-238	-230	-59	-100	90	9	-2	166	328	-479	48	121
Below Normal (17%)	271	-146	-82	-76	-115	-24	-12	298	534	-91	-413	-227
Dry (22%)	74	72	17	-118	182	-38	59	257	232	94	-336	-11
Critical (15%)	-183	-32	-24	109	-13	-43	44	14	447	358	-383	97

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-19-22. American River d/s of Nimbus Dam, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,799	2,943	8,472	13,543	15,920	9,685	6,898	6,542	5,000	5,000	3,007	4,089
20%	1,948	2,541	2,621	8,534	11,151	6,067	4,987	3,495	3,811	5,000	2,586	3,527
30%	1,710	1,925	2,000	5,362	6,966	4,749	4,203	2,624	3,266	5,000	2,323	2,588
40%	1,509	1,683	2,000	2,559	5,186	3,902	3,070	2,357	3,015	4,657	1,927	1,917
50%	1,500	1,593	1,786	1,750	3,198	2,908	2,609	1,759	2,673	4,072	1,839	1,548
60%	1,479	1,413	1,620	1,700	2,020	2,092	1,760	1,611	2,347	3,559	1,750	1,533
70%	1,181	1,162	1,214	1,488	1,445	1,466	1,513	1,358	1,761	2,923	1,540	1,420
80%	902	809	800	1,152	1,264	824	1,164	988	1,513	2,331	939	802
90%	800	800	800	800	902	800	800	800	959	1,349	800	721
Long Term												
Full Simulation Period[a]	1,592	2,043	3,297	5,194	6,112	4,187	3,334	2,676	2,825	3,670	1,874	2,068
Water Year Types[b]												
Wet (32%)	1,634	2,612	6,171	11,036	11,102	6,992	5,508	4,592	3,694	3,860	2,132	3,622
Above Normal (15%)	1,732	2,554	2,933	5,805	8,153	5,790	3,298	2,521	3,022	4,927	1,944	2,044
Below Normal (17%)	1,767	1,716	2,527	2,073	4,961	2,794	2,970	1,969	2,883	4,328	2,324	1,605
Dry (22%)	1,258	1,424	1,351	1,506	1,844	2,314	1,888	1,686	2,596	3,143	1,620	1,182
Critical (15%)	1,655	1,608	1,251	1,095	1,007	938	1,255	992	1,025	2,022	1,100	594

Alternative 6A,6B,6C (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,314	2,867	8,551	13,543	15,943	9,691	6,893	6,542	5,000	5,000	3,057	2,888
20%	2,032	1,925	2,882	8,539	11,228	6,062	4,928	3,689	4,417	5,000	2,764	2,390
30%	1,857	1,925	2,000	5,649	7,149	4,748	4,289	2,932	3,597	4,577	2,356	2,128
40%	1,581	1,878	2,000	2,896	5,187	4,225	2,833	2,477	3,181	4,064	1,996	1,743
50%	1,500	1,683	1,944	1,750	3,427	2,919	2,318	1,869	2,702	3,598	1,838	1,533
60%	1,500	1,683	1,750	1,700	2,184	1,750	1,750	1,750	1,911	3,143	1,750	1,532
70%	1,497	1,509	1,376	1,495	1,522	1,439	1,454	1,406	1,644	2,798	1,612	1,323
80%	1,112	1,152	910	1,217	1,343	800	1,005	1,054	1,166	2,524	1,088	800
90%	800	800	800	800	1,011	800	800	800	800	2,013	800	800
Long Term												
Full Simulation Period[a]	1,694	2,061	3,413	5,296	6,180	4,166	3,264	2,783	2,868	3,542	1,942	1,705
Water Year Types[b]												
Wet (32%)	1,750	2,718	6,397	11,187	11,105	6,997	5,516	4,682	3,994	3,991	2,401	2,549
Above Normal (15%)	1,682	2,505	3,025	6,127	8,250	5,818	3,316	2,662	3,050	4,447	1,997	1,883
Below Normal (17%)	1,755	1,599	2,533	2,028	5,106	2,811	2,894	2,155	2,801	3,762	2,337	1,595
Dry (22%)	1,447	1,492	1,503	1,579	1,897	2,314	1,645	1,785	2,414	2,940	1,587	1,189
Critical (15%)	1,886	1,588	1,225	1,088	1,117	739	1,190	1,022	1,003	2,312	961	605

Alternative 6A,6B,6C (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	**-485**	**-76**	79	0	23	5	**-5**	0	0	0	50	**-1,200**
20%	84	**-616**	261	5	77	**-6**	**-59**	194	605	0	178	**-1,137**
30%	146	0	0	287	183	**-1**	86	309	331	**-423**	34	**-461**
40%	72	195	0	337	1	323	**-238**	121	166	**-593**	69	**-174**
50%	0	90	158	0	229	11	**-291**	110	29	**-475**	**-1**	**-14**
60%	21	271	130	0	164	**-342**	**-10**	139	**-436**	**-417**	0	**-2**
70%	315	347	162	8	77	**-27**	**-58**	48	**-117**	**-125**	72	**-97**
80%	210	343	110	65	79	**-24**	**-160**	66	**-347**	193	149	**-2**
90%	0	0	0	0	109	0	0	0	**-159**	664	0	79
Long Term												
Full Simulation Period[a]	103	18	116	102	68	**-21**	**-71**	107	42	**-128**	68	**-363**
Water Year Types[b]												
Wet (32%)	115	106	227	151	3	5	8	90	300	130	269	**-1,074**
Above Normal (15%)	**-49**	**-49**	92	322	97	28	17	142	27	**-480**	53	**-161**
Below Normal (17%)	**-12**	**-117**	6	**-45**	145	16	**-76**	186	**-81**	**-566**	13	**-10**
Dry (22%)	188	68	152	73	53	0	**-244**	99	**-182**	**-204**	**-32**	7
Critical (15%)	232	**-20**	**-27**	**-7**	110	**-199**	**-65**	30	**-21**	290	**-139**	11

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-19-23. American River d/s of Nimbus Dam, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,799	2,943	8,472	13,543	15,920	9,685	6,898	6,542	5,000	5,000	3,007	4,089
20%	1,948	2,541	2,621	8,534	11,151	6,067	4,987	3,495	3,811	5,000	2,586	3,527
30%	1,710	1,925	2,000	5,362	6,966	4,749	4,203	2,624	3,266	5,000	2,323	2,588
40%	1,509	1,683	2,000	2,559	5,186	3,902	3,070	2,357	3,015	4,657	1,927	1,917
50%	1,500	1,593	1,786	1,750	3,198	2,908	2,609	1,759	2,673	4,072	1,839	1,548
60%	1,479	1,413	1,620	1,700	2,020	2,092	1,760	1,611	2,347	3,559	1,750	1,533
70%	1,181	1,162	1,214	1,488	1,445	1,466	1,513	1,358	1,761	2,923	1,540	1,420
80%	902	809	800	1,152	1,264	824	1,164	988	1,513	2,331	939	802
90%	800	800	800	800	902	800	800	800	959	1,349	800	721
Long Term												
Full Simulation Period[a]	1,592	2,043	3,297	5,194	6,112	4,187	3,334	2,676	2,825	3,670	1,874	2,068
Water Year Types[b]												
Wet (32%)	1,634	2,612	6,171	11,036	11,102	6,992	5,508	4,592	3,694	3,860	2,132	3,622
Above Normal (15%)	1,732	2,554	2,933	5,805	8,153	5,790	3,298	2,521	3,022	4,927	1,944	2,044
Below Normal (17%)	1,767	1,716	2,527	2,073	4,961	2,794	2,970	1,969	2,883	4,328	2,324	1,605
Dry (22%)	1,258	1,424	1,351	1,506	1,844	2,314	1,888	1,686	2,596	3,143	1,620	1,182
Critical (15%)	1,655	1,608	1,251	1,095	1,007	938	1,255	992	1,025	2,022	1,100	594

Alternative 7 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,248	3,115	8,577	13,543	15,940	9,175	6,918	6,542	5,000	5,000	2,853	3,645
20%	1,857	2,025	2,612	8,537	11,228	6,072	4,937	3,729	4,793	5,000	2,475	2,938
30%	1,574	1,923	2,000	5,655	7,469	4,750	4,171	2,963	4,170	5,000	2,299	2,185
40%	1,500	1,746	1,990	2,589	5,186	4,262	2,928	2,480	3,713	4,449	1,906	1,565
50%	1,500	1,683	1,750	1,750	3,343	2,920	2,489	1,941	3,251	3,921	1,750	1,533
60%	1,500	1,523	1,736	1,700	1,920	1,859	1,750	1,750	2,729	3,287	1,750	1,533
70%	1,206	1,206	1,110	1,488	1,465	1,375	1,443	1,408	2,009	2,846	1,475	1,450
80%	1,024	1,005	800	1,025	1,264	800	996	1,025	1,444	2,572	890	800
90%	800	800	800	800	800	800	800	800	901	2,002	800	758
Long Term												
Full Simulation Period[a]	1,543	2,032	3,277	5,205	6,147	4,150	3,252	2,799	3,199	3,682	1,801	1,890
Water Year Types[b]												
Wet (32%)	1,663	2,608	6,187	11,133	11,102	7,000	5,518	4,660	4,342	3,704	2,124	3,100
Above Normal (15%)	1,524	2,485	2,951	5,826	8,251	5,857	3,310	2,713	3,543	4,623	1,900	1,870
Below Normal (17%)	1,572	1,686	2,404	2,060	5,039	2,802	2,861	2,122	3,374	4,433	2,277	1,397
Dry (22%)	1,340	1,506	1,359	1,444	1,922	2,187	1,641	1,798	2,558	3,352	1,663	1,330
Critical (15%)	1,573	1,524	1,194	1,049	939	787	1,158	1,147	1,139	2,311	655	706

Alternative 7 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	**-551**	172	105	0	20	**-510**	20	0	0	0	**-154**	**-444**
20%	**-91**	**-516**	**-9**	3	77	5	**-50**	234	981	0	**-110**	**-589**
30%	**-137**	**-2**	0	293	503	1	**-31**	339	904	0	**-23**	**-403**
40%	**-9**	62	**-10**	29	0	359	**-142**	123	698	**-207**	**-21**	**-351**
50%	0	90	**-36**	0	145	13	**-120**	181	578	**-151**	**-89**	**-14**
60%	21	110	117	0	**-100**	**-233**	**-10**	139	382	**-272**	0	0
70%	25	44	**-104**	0	20	**-91**	**-69**	50	248	**-77**	**-65**	31
80%	122	196	0	**-127**	0	**-24**	**-168**	37	**-70**	241	**-49**	**-2**
90%	0	0	0	0	**-102**	0	0	0	**-59**	652	0	37
Long Term												
Full Simulation Period[a]	**-49**	**-11**	**-20**	11	35	**-37**	**-82**	123	374	12	**-73**	**-178**
Water Year Types[b]												
Wet (32%)	29	**-4**	16	96	1	7	10	68	648	**-157**	**-8**	**-522**
Above Normal (15%)	**-207**	**-69**	18	21	98	67	12	192	520	**-304**	**-44**	**-173**
Below Normal (17%)	**-195**	**-30**	**-122**	**-13**	77	8	**-108**	153	491	105	**-47**	**-208**
Dry (22%)	81	82	8	**-62**	78	**-128**	**-247**	112	**-38**	209	44	148
Critical (15%)	**-81**	**-84**	**-57**	**-46**	**-68**	**-151**	**-97**	155	115	289	**-445**	112

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-19-24. American River d/s of Nimbus Dam, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,799	2,943	8,472	13,543	15,920	9,685	6,898	6,542	5,000	5,000	3,007	4,089
20%	1,948	2,541	2,621	8,534	11,151	6,067	4,987	3,495	3,811	5,000	2,586	3,527
30%	1,710	1,925	2,000	5,362	6,966	4,749	4,203	2,624	3,266	5,000	2,323	2,588
40%	1,509	1,683	2,000	2,559	5,186	3,902	3,070	2,357	3,015	4,657	1,927	1,917
50%	1,500	1,593	1,786	1,750	3,198	2,908	2,609	1,759	2,673	4,072	1,839	1,548
60%	1,479	1,413	1,620	1,700	2,020	2,092	1,760	1,611	2,347	3,559	1,750	1,533
70%	1,181	1,162	1,214	1,488	1,445	1,466	1,513	1,358	1,761	2,923	1,540	1,420
80%	902	809	800	1,152	1,264	824	1,164	988	1,513	2,331	939	802
90%	800	800	800	800	902	800	800	800	959	1,349	800	721
Long Term												
Full Simulation Period[a]	1,592	2,043	3,297	5,194	6,112	4,187	3,334	2,676	2,825	3,670	1,874	2,068
Water Year Types[b]												
Wet (32%)	1,634	2,612	6,171	11,036	11,102	6,992	5,508	4,592	3,694	3,860	2,132	3,622
Above Normal (15%)	1,732	2,554	2,933	5,805	8,153	5,790	3,298	2,521	3,022	4,927	1,944	2,044
Below Normal (17%)	1,767	1,716	2,527	2,073	4,961	2,794	2,970	1,969	2,883	4,328	2,324	1,605
Dry (22%)	1,258	1,424	1,351	1,506	1,844	2,314	1,888	1,686	2,596	3,143	1,620	1,182
Critical (15%)	1,655	1,608	1,251	1,095	1,007	938	1,255	992	1,025	2,022	1,100	594

Alternative 8 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,539	2,697	8,613	13,543	15,927	9,177	6,951	6,542	5,000	4,868	3,246	4,079
20%	1,800	1,925	3,250	8,538	11,309	6,072	5,000	5,000	4,563	3,959	2,697	3,490
30%	1,500	1,925	2,000	5,649	7,469	4,931	4,455	3,921	3,782	3,319	1,950	2,782
40%	1,500	1,762	2,000	2,923	5,324	4,046	3,797	3,648	3,368	2,815	1,750	1,690
50%	1,500	1,683	1,833	1,750	3,770	2,759	3,169	3,195	2,865	2,502	1,750	1,533
60%	1,481	1,378	1,532	1,700	2,459	1,750	2,400	2,590	2,515	2,275	1,750	1,519
70%	1,246	995	981	1,488	1,512	1,264	1,750	1,756	2,242	2,108	1,601	1,312
80%	810	800	800	850	1,264	800	1,264	1,600	1,701	1,467	911	800
90%	800	800	800	800	800	800	800	894	720	710	710	617
Long Term												
Full Simulation Period[a]	1,576	1,897	3,354	5,285	6,156	4,064	3,597	3,453	3,084	2,633	1,841	2,085
Water Year Types[b]												
Wet (32%)	1,598	2,560	6,407	11,121	11,074	6,996	5,597	4,863	3,987	2,927	2,007	3,559
Above Normal (15%)	1,953	2,175	2,947	6,235	8,304	5,452	3,240	2,744	3,339	2,928	2,042	2,649
Below Normal (17%)	1,610	1,427	2,461	2,259	5,087	2,801	3,384	3,385	2,910	3,237	2,460	1,383
Dry (22%)	1,233	1,494	1,399	1,429	1,950	2,058	2,366	2,888	2,788	2,604	1,576	1,150
Critical (15%)	1,629	1,336	1,117	1,003	907	807	1,717	2,031	1,522	1,041	955	548

Alternative 8 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-259	-246	141	0	8	-508	53	0	0	-132	239	-10
20%	-148	-616	628	3	158	5	13	1,505	752	-1,041	112	-37
30%	-210	0	0	287	503	182	253	1,297	516	-1,681	-373	194
40%	-9	78	0	363	139	144	727	1,291	353	-1,842	-177	-227
50%	0	90	47	0	572	-148	560	1,436	192	-1,570	-89	-14
60%	1	-34	-88	0	439	-342	640	979	168	-1,284	0	-14
70%	64	-167	-233	0	67	-202	237	398	481	-815	60	-108
80%	-91	-9	0	-303	0	-24	100	612	188	-864	-28	-2
90%	0	0	0	0	-102	0	0	94	-239	-639	-90	-104
Long Term												
Full Simulation Period[a]	-15	-146	57	91	44	-123	263	777	259	-1,037	-33	17
Water Year Types[b]												
Wet (32%)	-36	-52	236	85	-28	3	88	271	293	-934	-125	-63
Above Normal (15%)	221	-379	14	430	151	-339	-59	223	317	-1,999	98	605
Below Normal (17%)	-157	-289	-66	186	126	7	415	1,416	27	-1,091	136	-222
Dry (22%)	-26	70	48	-77	107	-256	478	1,202	192	-540	-44	-31
Critical (15%)	-26	-272	-134	-92	-100	-131	462	1,040	498	-982	-145	-45

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-19-25. American River d/s of Nimbus Dam, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,799	2,943	8,472	13,543	15,920	9,685	6,898	6,542	5,000	5,000	3,007	4,089
20%	1,948	2,541	2,621	8,534	11,151	6,067	4,987	3,495	3,811	5,000	2,586	3,527
30%	1,710	1,925	2,000	5,362	6,966	4,749	4,203	2,624	3,266	5,000	2,323	2,588
40%	1,509	1,683	2,000	2,559	5,186	3,902	3,070	2,357	3,015	4,657	1,927	1,917
50%	1,500	1,593	1,786	1,750	3,198	2,908	2,609	1,759	2,673	4,072	1,839	1,548
60%	1,479	1,413	1,620	1,700	2,020	2,092	1,760	1,611	2,347	3,559	1,750	1,533
70%	1,181	1,162	1,214	1,488	1,445	1,466	1,513	1,358	1,761	2,923	1,540	1,420
80%	902	809	800	1,152	1,264	824	1,164	988	1,513	2,331	939	802
90%	800	800	800	800	902	800	800	800	959	1,349	800	721
Long Term												
Full Simulation Period[a]	1,592	2,043	3,297	5,194	6,112	4,187	3,334	2,676	2,825	3,670	1,874	2,068
Water Year Types[b]												
Wet (32%)	1,634	2,612	6,171	11,036	11,102	6,992	5,508	4,592	3,694	3,860	2,132	3,622
Above Normal (15%)	1,732	2,554	2,933	5,805	8,153	5,790	3,298	2,521	3,022	4,927	1,944	2,044
Below Normal (17%)	1,767	1,716	2,527	2,073	4,961	2,794	2,970	1,969	2,883	4,328	2,324	1,605
Dry (22%)	1,258	1,424	1,351	1,506	1,844	2,314	1,888	1,686	2,596	3,143	1,620	1,182
Critical (15%)	1,655	1,608	1,251	1,095	1,007	938	1,255	992	1,025	2,022	1,100	594

Alternative 9 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,163	3,514	8,502	13,547	15,921	9,703	6,907	6,542	5,000	5,000	2,713	4,063
20%	1,812	2,534	2,892	8,537	11,309	6,071	4,948	3,411	3,890	4,704	2,434	3,664
30%	1,603	1,925	2,000	5,645	6,978	4,749	4,328	2,699	3,385	4,247	2,215	2,809
40%	1,500	1,767	2,000	2,466	5,186	3,881	3,274	2,491	3,034	3,795	1,976	1,844
50%	1,500	1,683	1,864	1,733	3,549	2,865	2,689	2,087	2,720	3,058	1,756	1,621
60%	1,500	1,552	1,750	1,700	1,965	1,966	1,810	1,959	2,390	2,907	1,750	1,532
70%	1,298	1,318	1,419	1,516	1,445	1,424	1,598	1,750	2,026	2,459	1,634	1,419
80%	1,004	1,070	971	1,272	1,361	827	1,197	1,427	1,537	2,177	908	840
90%	800	800	800	800	926	800	800	1,180	877	1,537	800	758
Long Term												
Full Simulation Period[a]	1,518	2,168	3,328	5,222	6,167	4,170	3,393	2,886	2,884	3,256	1,818	2,107
Water Year Types[b]												
Wet (32%)	1,639	2,819	6,160	11,134	11,107	6,998	5,517	4,637	3,852	3,690	2,109	3,573
Above Normal (15%)	1,446	2,428	2,930	5,819	8,263	5,782	3,312	2,588	3,104	4,497	1,955	2,112
Below Normal (17%)	1,519	1,733	2,523	2,139	4,983	2,798	3,068	2,364	2,921	3,571	2,292	1,788
Dry (22%)	1,395	1,687	1,496	1,433	1,983	2,236	2,092	2,130	2,521	2,408	1,489	1,205
Critical (15%)	1,510	1,725	1,276	1,096	1,021	929	1,206	1,130	1,066	1,975	991	651

Alternative 9 (LLT) minus No Action Alternative (LLT)

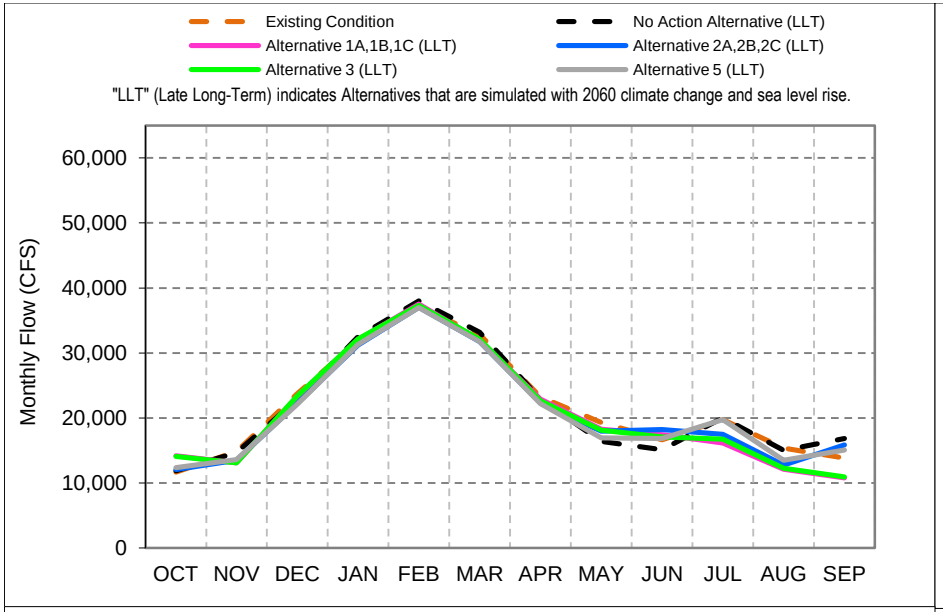
	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-636	571	30	4	1	17	9	0	0	0	-294	-26
20%	-136	-7	271	3	158	4	-39	-84	78	-296	-152	137
30%	-107	0	0	283	12	0	125	75	118	-753	-108	221
40%	-9	84	0	-94	0	-21	204	134	19	-862	49	-73
50%	0	90	78	-17	351	-43	80	328	47	-1,015	-83	73
60%	21	139	130	0	-55	-127	50	348	43	-652	0	-2
70%	116	156	205	29	0	-42	85	392	265	-464	94	-1
80%	102	261	171	120	96	3	33	439	24	-155	-31	38
90%	0	0	0	0	24	0	0	380	-82	188	0	37
Long Term												
Full Simulation Period[a]	-74	125	31	28	54	-17	59	209	58	-414	-56	39
Water Year Types[b]												
Wet (32%)	5	207	-11	97	5	6	9	45	159	-170	-23	-49
Above Normal (15%)	-285	-126	-2	14	111	-9	14	67	82	-430	10	69
Below Normal (17%)	-247	17	-4	66	22	4	98	395	38	-757	-32	183
Dry (22%)	137	262	145	-73	139	-78	203	444	-75	-735	-131	23
Critical (15%)	-144	117	25	1	15	-9	-49	139	41	-48	-109	58

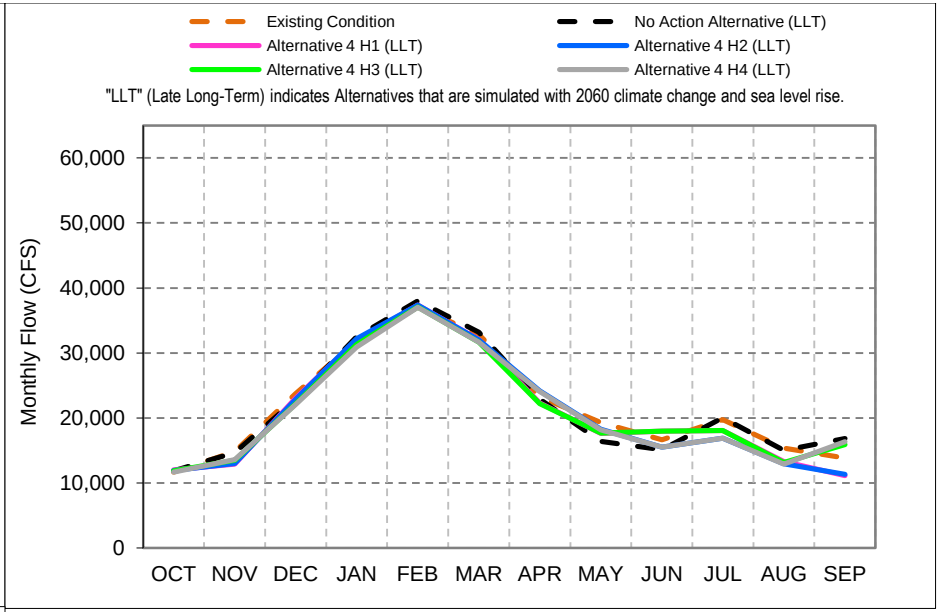
Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

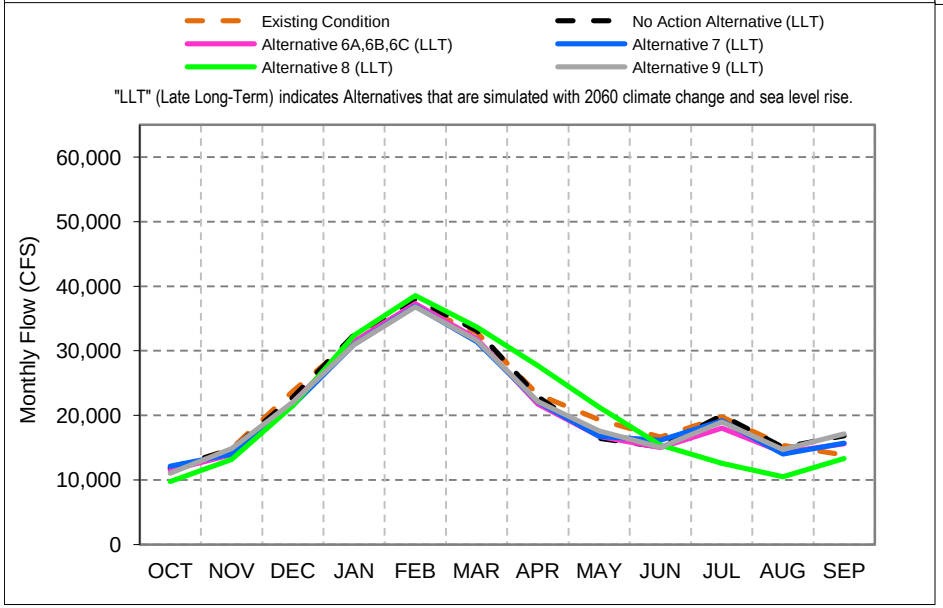
a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

C.20. Sacramento River Flow at Freeport



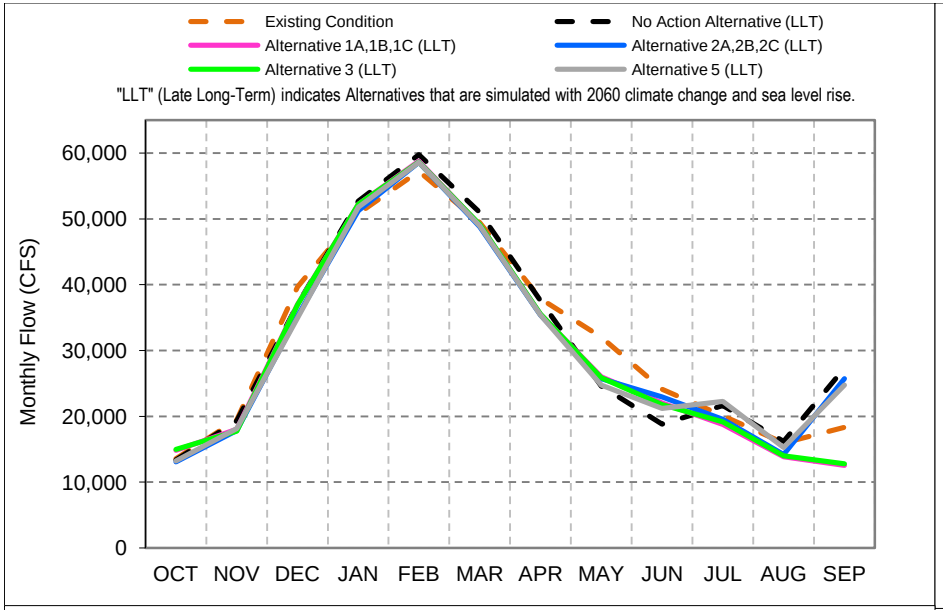


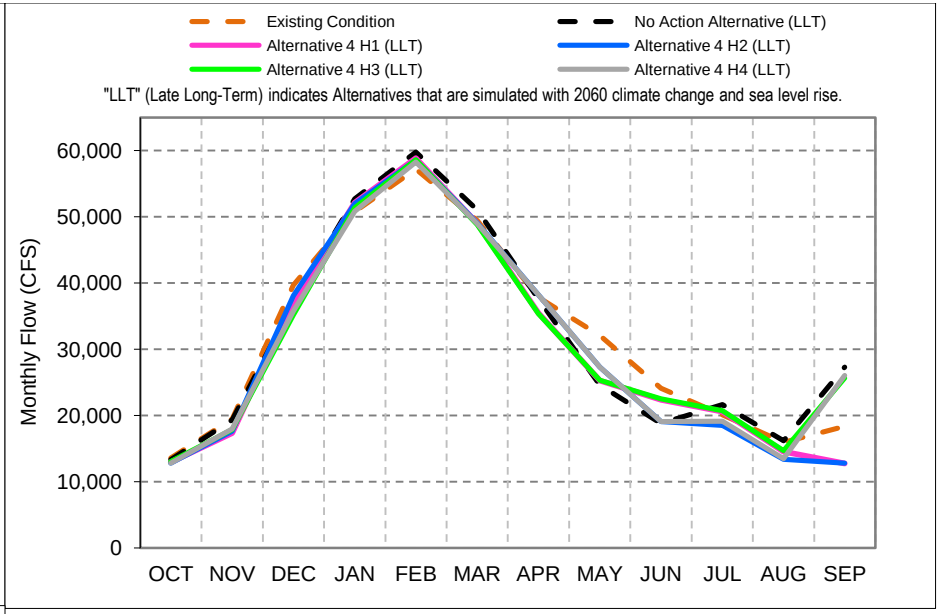


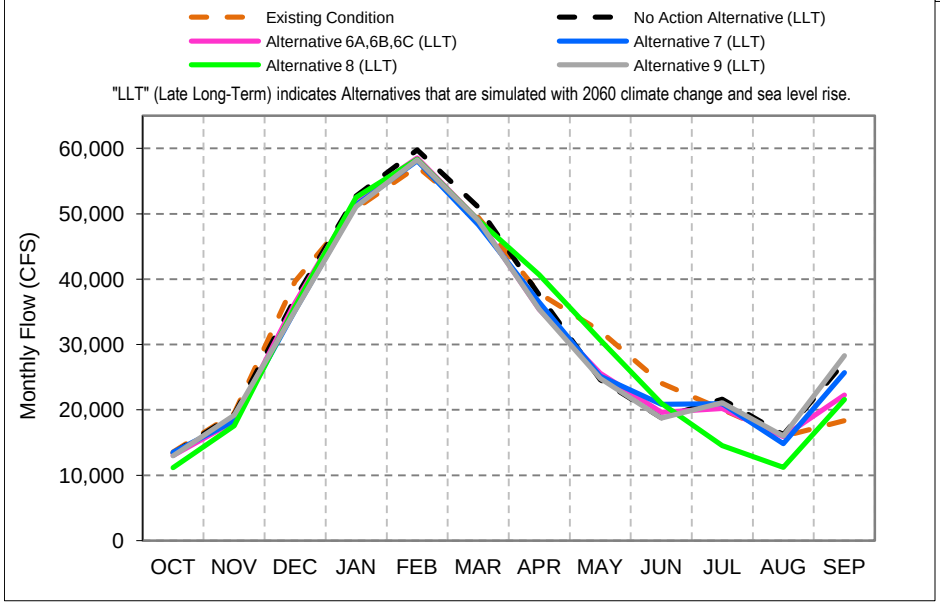
Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-20-1. Sacramento River at Freeport, Long-Term Average Flow





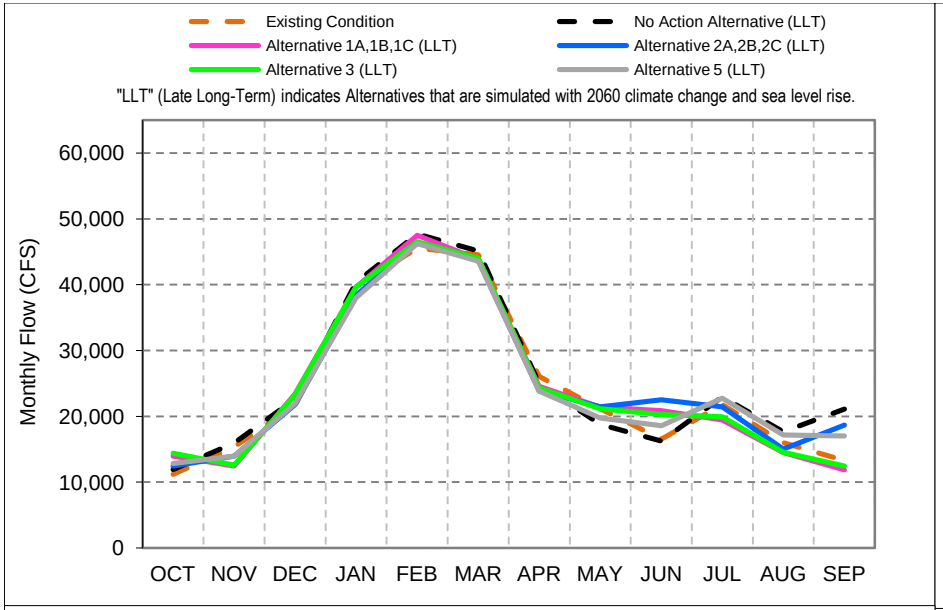


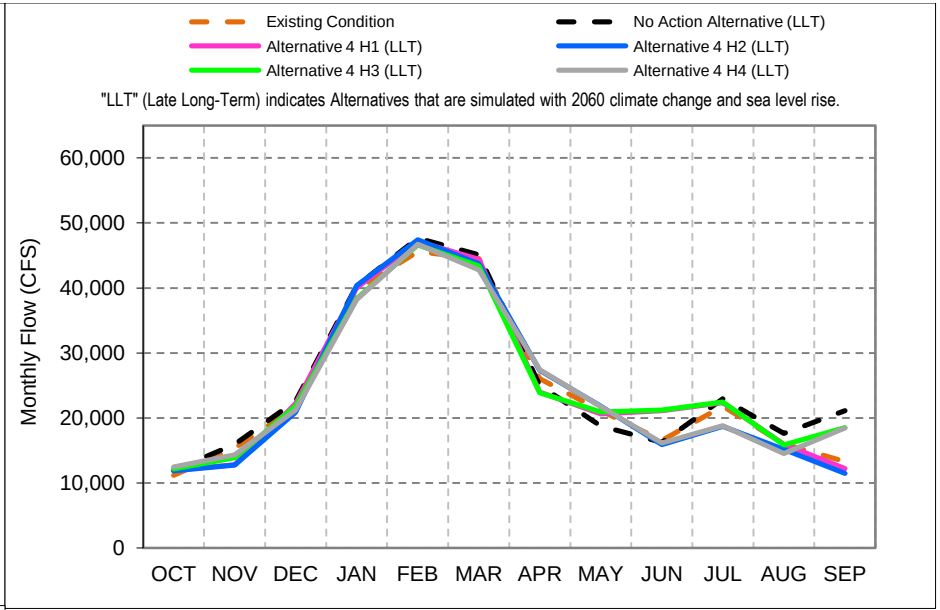
Alternative 4 Scenario Definitions:

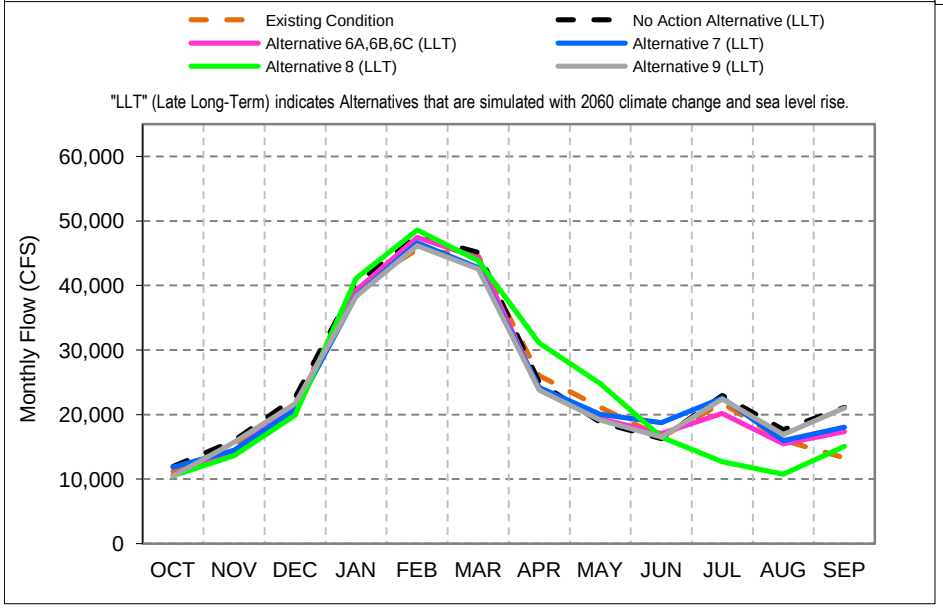
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-20-2. Sacramento River at Freeport, Wet Year* Average Flow





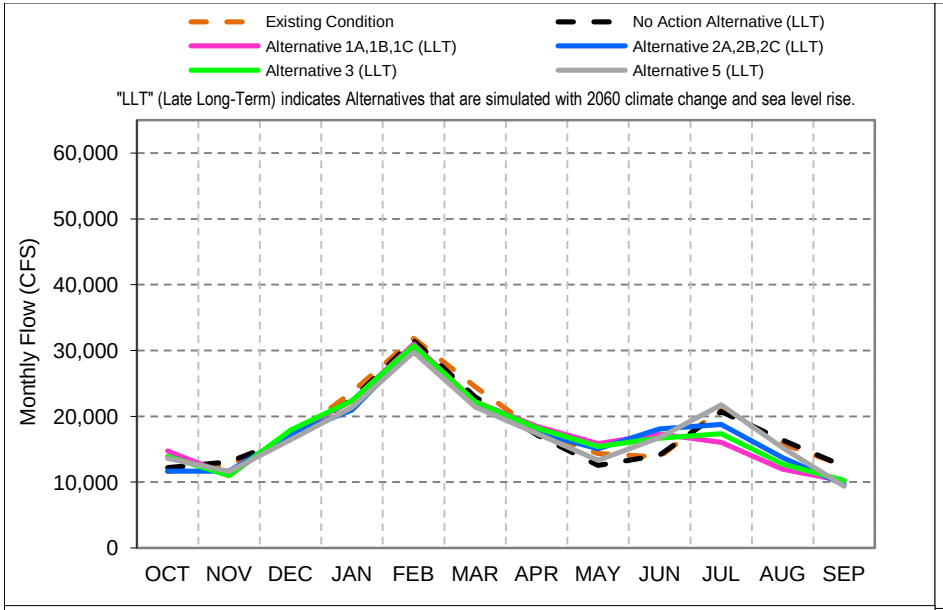


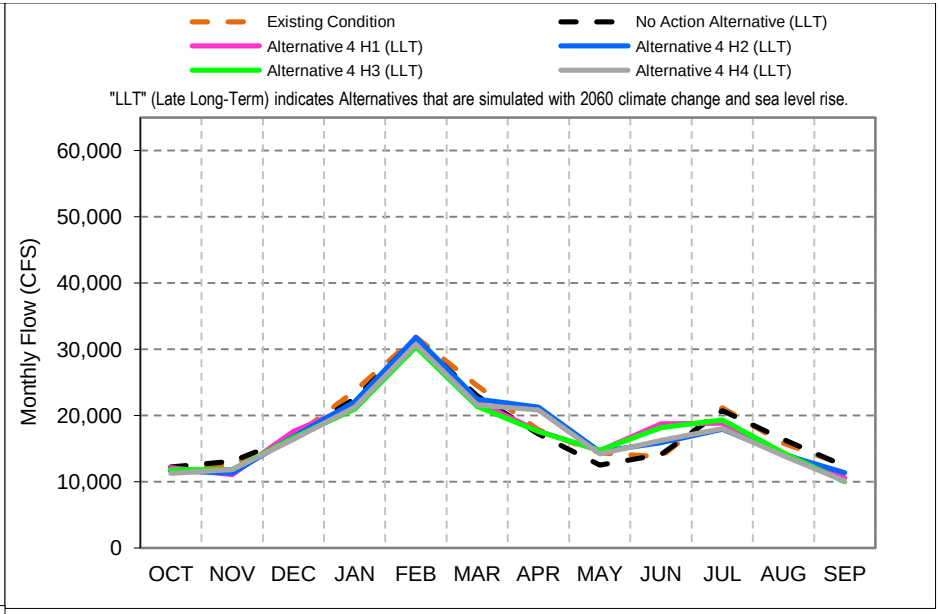
Alternative 4 Scenario Definitions:

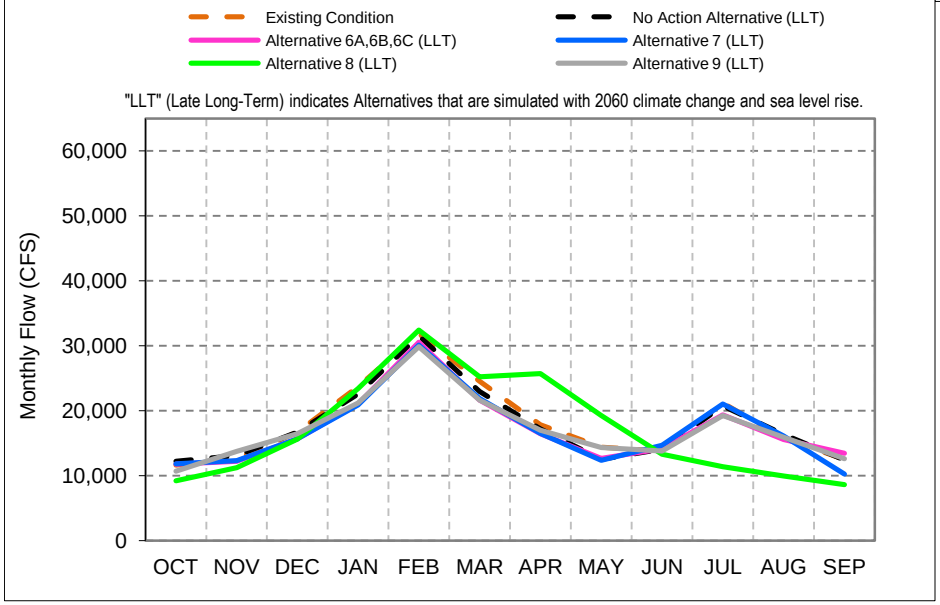
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-20-3. Sacramento River at Freeport, Above Normal Year* Average Flow





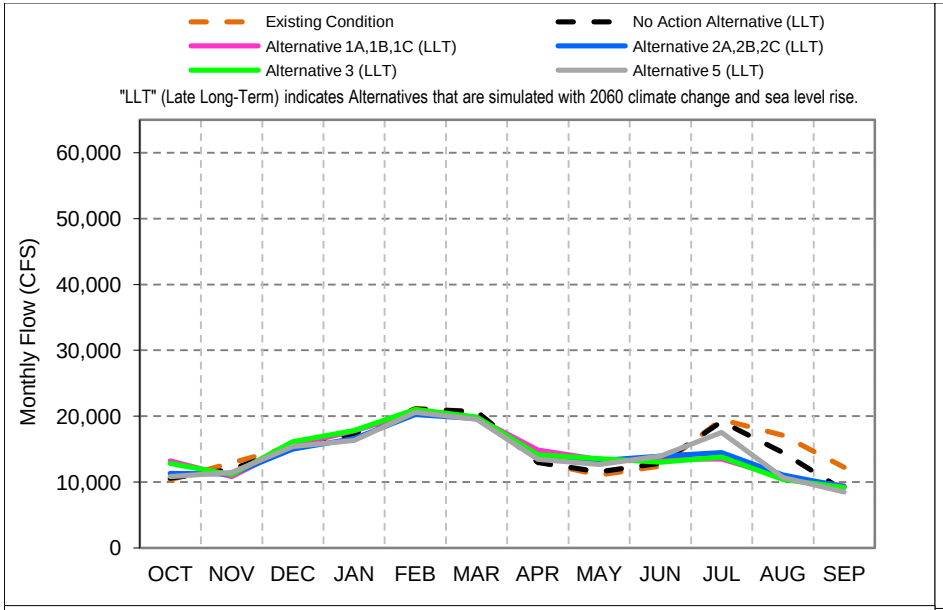


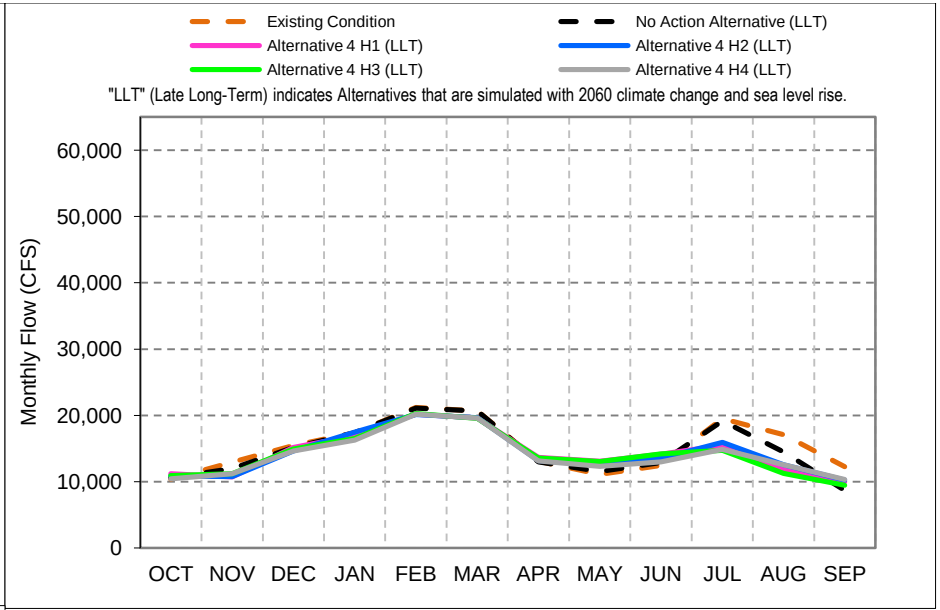
Alternative 4 Scenario Definitions:

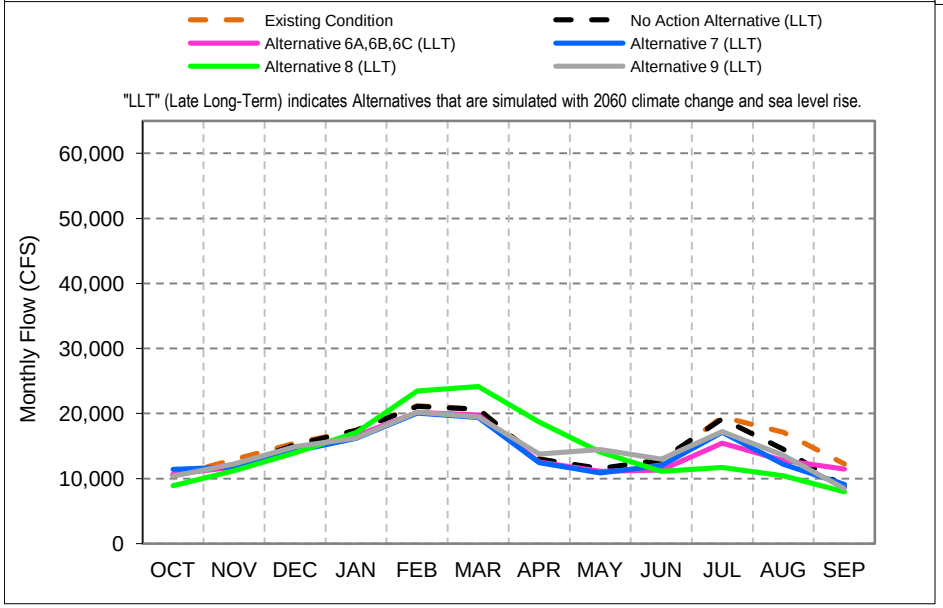
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-20-4. Sacramento River at Freeport, Below Normal Year* Average Flow





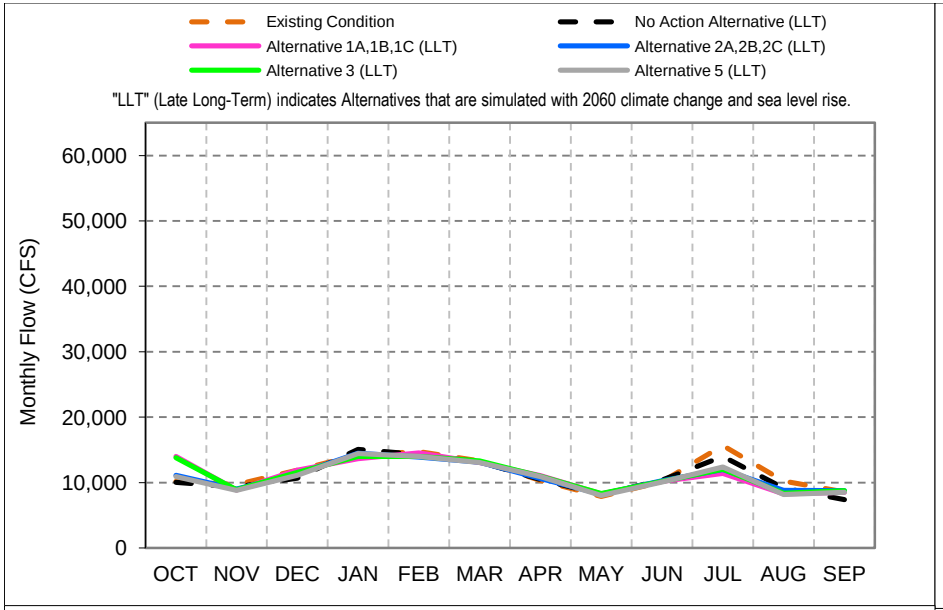


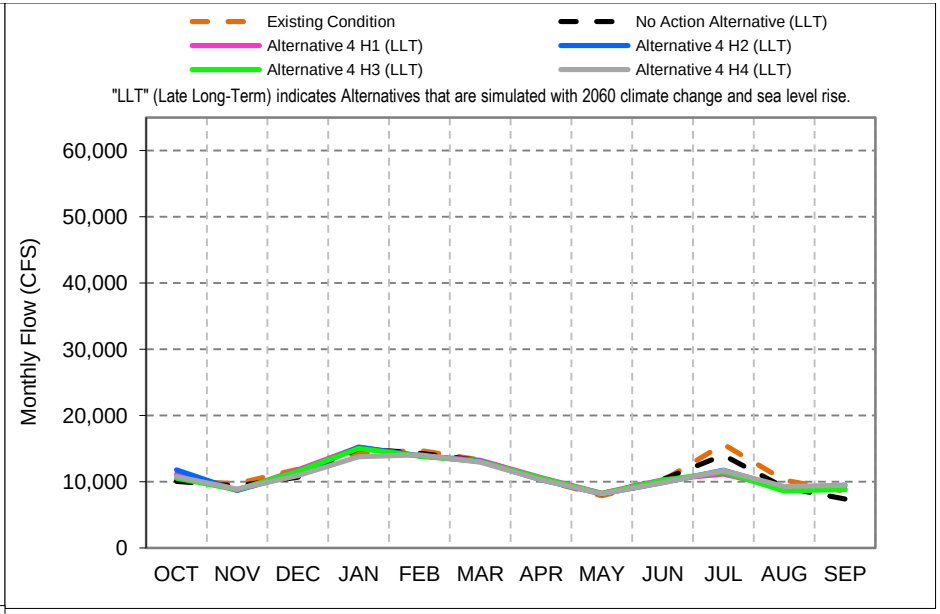
Alternative 4 Scenario Definitions:

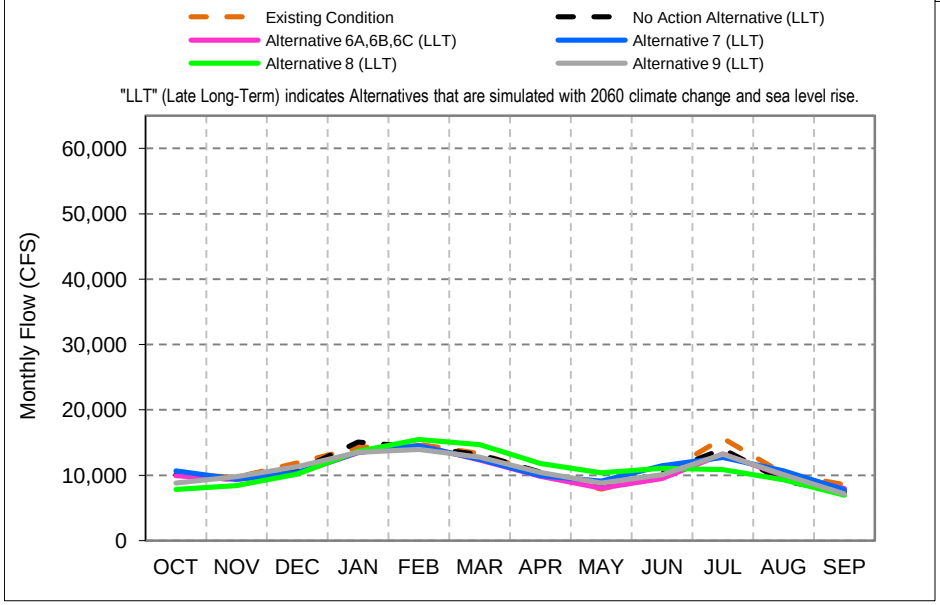
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-20-5. Sacramento River at Freeport, Dry Year* Average Flow







Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-20-6. Sacramento River at Freeport, Critical Year* Average Flow

Table C-20-1. Sacramento River at Freeport, Monthly Flow

Existing Condition

Statistic	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	15,407	24,427	51,094	63,434	68,256	61,156	50,243	41,972	26,032	23,545	18,025	19,590
20%	13,765	15,847	36,152	56,012	60,934	51,777	38,496	27,859	20,410	22,708	17,588	17,116
30%	12,858	14,563	24,821	41,045	51,013	43,112	23,516	18,662	15,247	21,374	16,921	14,104
40%	11,766	13,576	18,406	30,911	43,446	33,804	20,554	15,293	13,924	20,443	16,605	13,660
50%	11,278	12,179	16,439	24,758	33,438	27,155	16,221	13,689	13,373	19,911	16,172	13,212
60%	10,626	11,177	15,011	19,442	24,695	22,066	13,316	12,101	12,691	19,645	15,692	12,776
70%	9,804	10,841	12,950	15,694	19,946	19,191	12,034	10,982	12,374	19,278	15,229	12,051
80%	9,000	9,642	11,585	13,339	14,885	15,383	11,232	10,131	11,721	17,257	13,450	11,043
90%	7,694	8,451	9,896	12,533	13,059	11,666	9,806	8,901	10,361	14,669	10,150	8,062
Long Term												
Full Simulation Period[a]	11,696	14,834	23,734	31,874	37,057	32,865	23,236	19,303	16,633	19,748	15,358	13,847
Water Year Types[b]												
Wet (32%)	13,583	19,472	39,674	50,800	57,222	49,436	37,854	32,064	24,106	20,096	15,965	18,351
Above Normal (15%)	11,200	15,357	21,658	39,719	45,570	44,531	26,041	21,138	16,526	21,793	16,021	13,297
Below Normal (17%)	11,642	12,633	16,695	23,705	31,864	24,520	17,823	14,366	13,793	21,176	15,792	12,522
Dry (22%)	10,366	12,920	15,471	17,397	21,179	20,684	13,066	11,093	12,451	19,498	17,113	12,250
Critical (15%)	10,161	9,703	11,879	14,265	14,732	13,300	10,325	7,897	10,133	15,656	10,242	8,580

No Action Alternative (LLT)

Statistic	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	14,520	20,933	48,723	65,933	70,538	64,077	49,290	34,057	18,835	24,508	18,024	29,045
20%	13,547	17,929	34,308	58,498	65,197	55,065	37,063	22,075	16,545	24,006	17,293	26,992
30%	13,136	16,559	22,188	40,921	51,209	43,781	23,035	15,989	15,632	23,370	16,788	23,595
40%	12,921	15,186	18,361	27,468	44,426	32,715	20,117	12,751	14,648	22,549	16,393	21,918
50%	12,316	14,012	15,967	22,991	34,267	25,193	15,145	12,049	13,752	21,553	15,960	12,912
60%	11,349	12,014	14,434	20,308	24,198	21,452	12,276	11,371	13,439	20,296	15,441	10,782
70%	10,225	9,917	13,741	17,513	18,833	18,890	11,546	11,024	12,865	18,346	14,345	9,219
80%	9,117	8,522	11,963	13,741	15,997	15,259	11,288	9,850	12,103	16,208	13,211	8,105
90%	7,641	7,513	9,061	12,265	12,542	11,743	10,225	8,840	11,110	12,429	9,280	7,714
Long Term												
Full Simulation Period[a]	11,857	14,692	22,789	32,496	38,028	33,164	22,892	16,422	15,098	20,020	15,039	16,857
Water Year Types[b]												
Wet (32%)	13,355	19,308	36,987	52,716	59,754	51,011	37,588	24,615	18,807	21,644	16,212	27,309
Above Normal (15%)	11,937	15,972	22,622	40,339	47,678	45,122	24,993	18,772	16,266	22,945	17,635	21,102
Below Normal (17%)	12,208	13,094	16,708	22,575	31,522	22,944	17,199	12,531	14,112	20,734	16,382	12,399
Dry (22%)	10,572	11,964	15,185	17,404	21,083	20,677	12,978	11,558	12,882	19,182	14,498	8,713
Critical (15%)	10,051	9,364	10,694	15,056	14,311	13,190	10,460	8,156	10,369	14,003	9,143	7,386

No Action Alternative (LLT) minus Existing Condition

Statistic	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	**-887**	**-3,494**	**-2,371**	2,498	2,283	2,921	**-953**	**-7,915**	**-7,197**	963	**0**	9,455
20%	**-218**	2,082	**-1,844**	2,487	4,263	3,288	**-1,433**	**-5,784**	**-3,865**	1,298	**-294**	9,876
30%	278	1,996	**-2,633**	**-124**	196	669	**-481**	**-2,673**	386	1,996	**-133**	9,491
40%	1,155	1,610	**-44**	**-3,443**	980	**-1,089**	**-436**	**-2,543**	724	2,106	**-212**	8,258
50%	1,038	1,833	**-472**	**-1,766**	828	**-1,961**	**-1,076**	**-1,639**	378	1,642	**-213**	**-300**
60%	723	838	**-577**	866	**-497**	**-614**	**-1,040**	**-730**	747	650	**-251**	**-1,994**
70%	421	**-925**	791	1,819	**-1,113**	**-301**	**-488**	42	490	**-932**	**-884**	**-2,832**
80%	117	**-1,120**	377	402	1,112	**-124**	57	**-281**	382	**-1,049**	**-239**	**-2,938**
90%	**-53**	**-938**	**-835**	**-268**	**-517**	77	419	**-61**	749	**-2,240**	**-870**	**-348**
Long Term												
Full Simulation Period[a]	161	**-143**	**-945**	622	970	299	**-344**	**-2,882**	**-1,535**	272	**-319**	3,010
Water Year Types[b]												
Wet (32%)	**-228**	**-165**	**-2,687**	1,916	2,532	1,575	**-266**	**-7,450**	**-5,299**	1,548	248	8,957
Above Normal (15%)	737	615	964	620	2,109	591	**-1,049**	**-2,366**	**-260**	1,152	1,614	7,806
Below Normal (17%)	565	461	13	**-1,130**	**-342**	**-1,576**	**-624**	**-1,835**	320	**-442**	589	**-122**
Dry (22%)	206	**-956**	**-286**	6	**-96**	**-7**	**-88**	465	430	**-316**	**-2,614**	**-3,536**
Critical (15%)	**-110**	**-338**	**-1,185**	791	**-421**	**-110**	135	259	236	**-1,653**	**-1,099**	**-1,194**

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-20-2. Sacramento River at Freeport, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	15,407	24,427	51,094	63,434	68,256	61,156	50,243	41,972	26,032	23,545	18,025	19,590
20%	13,765	15,847	36,152	56,012	60,934	51,777	38,496	27,859	20,410	22,708	17,588	17,116
30%	12,858	14,563	24,821	41,045	51,013	43,112	23,516	18,662	15,247	21,374	16,921	14,104
40%	11,766	13,576	18,406	30,911	43,446	33,804	20,554	15,293	13,924	20,443	16,605	13,660
50%	11,278	12,179	16,439	24,758	33,438	27,155	16,221	13,689	13,373	19,911	16,172	13,212
60%	10,626	11,177	15,011	19,442	24,695	22,066	13,316	12,101	12,691	19,645	15,692	12,776
70%	9,804	10,841	12,950	15,694	19,946	19,191	12,034	10,982	12,374	19,278	15,229	12,051
80%	9,000	9,642	11,585	13,339	14,885	15,383	11,232	10,131	11,721	17,257	13,450	11,043
90%	7,694	8,451	9,896	12,533	13,059	11,666	9,806	8,901	10,361	14,669	10,150	8,062
Long Term												
Full Simulation Period[a]	11,696	14,834	23,734	31,874	37,057	32,865	23,236	19,303	16,633	19,748	15,358	13,847
Water Year Types[b]												
Wet (32%)	13,583	19,472	39,674	50,800	57,222	49,436	37,854	32,064	24,106	20,096	15,965	18,351
Above Normal (15%)	11,200	15,357	21,658	39,719	45,570	44,531	26,041	21,138	16,526	21,793	16,021	13,297
Below Normal (17%)	11,642	12,633	16,695	23,705	31,864	24,520	17,823	14,366	13,793	21,176	15,792	12,522
Dry (22%)	10,366	12,920	15,471	17,397	21,179	20,684	13,066	11,093	12,451	19,498	17,113	12,250
Critical (15%)	10,161	9,703	11,879	14,265	14,732	13,300	10,325	7,897	10,133	15,656	10,242	8,580

Alternative 1A,1B,1C (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	20,340	21,034	47,760	65,296	70,682	62,082	45,731	33,600	24,588	21,645	16,737	13,391
20%	18,413	14,880	32,703	56,741	62,850	51,830	32,224	24,385	21,263	20,254	13,492	12,545
30%	16,703	12,534	22,382	38,865	49,590	40,847	22,685	21,296	19,449	19,029	12,773	11,767
40%	15,299	11,470	19,095	26,788	42,849	29,594	20,131	16,924	18,147	18,334	12,532	11,117
50%	13,995	10,597	17,349	22,707	29,745	24,660	16,484	14,084	17,467	16,710	11,976	10,414
60%	13,062	10,051	15,613	20,188	23,083	21,021	15,005	13,294	15,500	15,171	11,485	10,008
70%	11,281	9,549	14,538	17,298	19,504	19,194	13,914	12,381	12,976	13,931	10,941	9,708
80%	9,150	8,407	12,764	14,430	15,928	15,413	11,905	11,320	12,191	10,982	8,771	8,753
90%	7,356	8,068	9,476	12,796	12,624	11,716	11,259	8,968	10,903	9,809	7,935	7,781
Long Term												
Full Simulation Period[a]	14,207	13,097	23,302	32,064	37,516	32,007	22,893	18,249	17,450	16,175	12,129	10,771
Water Year Types[b]												
Wet (32%)	14,818	18,020	37,003	52,200	58,768	49,080	35,506	26,025	22,045	18,771	13,872	12,559
Above Normal (15%)	13,949	12,465	23,374	39,622	47,480	43,857	24,559	21,394	20,886	19,431	14,508	11,879
Below Normal (17%)	14,747	11,042	17,559	22,332	30,958	22,201	18,500	15,868	17,320	16,073	11,947	10,170
Dry (22%)	13,210	10,821	15,551	17,780	20,593	19,711	14,866	13,421	13,458	13,530	10,721	9,427
Critical (15%)	14,008	8,877	11,872	13,659	14,543	13,047	11,061	8,275	10,195	11,383	8,299	8,507

Alternative 1A,1B,1C (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4,933	-3,393	-3,333	1,861	2,427	926	-4,511	-8,371	-1,444	-1,900	-1,288	-6,199
20%	4,648	-967	-3,449	729	1,917	53	-6,272	-3,474	853	-2,454	-4,096	-4,571
30%	3,844	-2,029	-2,439	-2,180	-1,422	-2,265	-831	2,634	4,203	-2,345	-4,148	-2,336
40%	3,533	-2,106	689	-4,123	-597	-4,210	-423	1,631	4,222	-2,109	-4,073	-2,543
50%	2,717	-1,582	910	-2,051	-3,694	-2,494	263	396	4,094	-3,200	-4,196	-2,798
60%	2,436	-1,126	602	745	-1,612	-1,046	1,689	1,193	2,809	-4,475	-4,207	-2,768
70%	1,478	-1,292	1,589	1,604	-442	2	1,880	1,399	602	-5,347	-4,288	-2,343
80%	150	-1,235	1,179	1,090	1,043	30	673	1,189	470	-6,275	-4,679	-2,290
90%	-338	-382	-420	263	-435	50	1,454	67	542	-4,860	-2,215	-281
Long Term												
Full Simulation Period[a]	2,511	-1,737	-432	190	459	-858	-343	-1,054	817	-3,572	-3,229	-3,076
Water Year Types[b]												
Wet (32%)	1,234	-1,453	-2,671	1,400	1,547	-356	-2,348	-6,039	-2,060	-1,325	-2,092	-5,792
Above Normal (15%)	2,749	-2,892	1,715	-97	1,910	-674	-1,483	257	4,360	-2,362	-1,514	-1,418
Below Normal (17%)	3,105	-1,591	864	-1,373	-907	-2,319	676	1,502	3,528	-5,103	-3,846	-2,351
Dry (22%)	2,845	-2,099	80	382	-586	-973	1,800	2,329	1,007	-5,968	-6,392	-2,823
Critical (15%)	3,847	-826	-7	-605	-189	-253	737	377	62	-4,273	-1,943	-74

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-20-3. Sacramento River at Freeport, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	15,407	24,427	51,094	63,434	68,256	61,156	50,243	41,972	26,032	23,545	18,025	19,590
20%	13,765	15,847	36,152	56,012	60,934	51,777	38,496	27,859	20,410	22,708	17,588	17,116
30%	12,858	14,563	24,821	41,045	51,013	43,112	23,516	18,662	15,247	21,374	16,921	14,104
40%	11,766	13,576	18,406	30,911	43,446	33,804	20,554	15,293	13,924	20,443	16,605	13,660
50%	11,278	12,179	16,439	24,758	33,438	27,155	16,221	13,689	13,373	19,911	16,172	13,212
60%	10,626	11,177	15,011	19,442	24,695	22,066	13,316	12,101	12,691	19,645	15,692	12,776
70%	9,804	10,841	12,950	15,694	19,946	19,191	12,034	10,982	12,374	19,278	15,229	12,051
80%	9,000	9,642	11,585	13,339	14,885	15,383	11,232	10,131	11,721	17,257	13,450	11,043
90%	7,694	8,451	9,896	12,533	13,059	11,666	9,806	8,901	10,361	14,669	10,150	8,062
Long Term												
Full Simulation Period[a]	11,696	14,834	23,734	31,874	37,057	32,865	23,236	19,303	16,633	19,748	15,358	13,847
Water Year Types[b]												
Wet (32%)	13,583	19,472	39,674	50,800	57,222	49,436	37,854	32,064	24,106	20,096	15,965	18,351
Above Normal (15%)	11,200	15,357	21,658	39,719	45,570	44,531	26,041	21,138	16,526	21,793	16,021	13,297
Below Normal (17%)	11,642	12,633	16,695	23,705	31,864	24,520	17,823	14,366	13,793	21,176	15,792	12,522
Dry (22%)	10,366	12,920	15,471	17,397	21,179	20,684	13,066	11,093	12,451	19,498	17,113	12,250
Critical (15%)	10,161	9,703	11,879	14,265	14,732	13,300	10,325	7,897	10,133	15,656	10,242	8,580

Alternative 2A,2B,2C (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	15,329	20,521	47,093	65,751	70,480	62,102	45,723	33,766	26,146	23,599	17,034	27,385
20%	14,103	14,938	31,715	57,071	63,367	51,625	32,226	25,077	24,050	21,589	15,609	25,332
30%	13,492	14,334	20,729	39,259	48,132	40,018	22,587	20,974	21,963	20,662	13,742	21,402
40%	12,518	12,432	17,982	24,874	43,253	29,339	20,009	15,453	20,064	19,339	13,135	17,808
50%	11,989	11,681	15,911	21,503	29,895	23,879	16,072	13,892	17,689	18,353	12,498	12,048
60%	11,435	10,813	14,435	18,653	23,144	20,658	13,182	12,714	14,869	16,651	11,772	9,774
70%	11,073	9,909	13,661	15,558	19,273	18,515	12,551	11,984	13,052	14,936	11,285	9,362
80%	10,341	8,416	13,010	13,481	15,509	15,138	11,352	10,704	12,072	12,470	10,083	8,735
90%	8,140	7,147	9,496	12,271	12,368	11,528	10,738	8,675	10,900	10,619	8,402	7,735
Long Term												
Full Simulation Period[a]	12,087	13,473	22,262	31,213	37,033	31,776	22,291	17,987	18,231	17,467	12,760	15,848
Water Year Types[b]												
Wet (32%)	13,106	17,851	35,233	51,256	58,565	48,817	35,407	25,740	22,965	19,540	14,201	25,707
Above Normal (15%)	12,435	13,961	21,762	38,377	46,389	43,732	23,870	21,423	22,521	21,426	15,046	18,661
Below Normal (17%)	11,695	11,659	17,284	20,973	30,425	21,494	17,557	15,074	18,082	18,760	13,702	9,640
Dry (22%)	11,338	11,226	15,038	16,610	20,268	19,618	13,756	13,275	13,960	14,466	11,060	9,270
Critical (15%)	11,109	8,986	11,300	14,476	13,879	13,129	10,623	8,222	10,261	12,007	8,804	8,785

Alternative 2A,2B,2C (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-78	-3,906	-4,001	2,317	2,224	946	-4,519	-8,206	114	54	-991	7,795
20%	338	-909	-4,436	1,059	2,433	-152	-6,270	-2,782	3,640	-1,118	-1,978	8,216
30%	633	-228	-4,092	-1,786	-2,881	-3,094	-929	2,312	6,716	-712	-3,179	7,298
40%	752	-1,144	-424	-6,037	-192	-4,465	-545	160	6,140	-1,104	-3,470	4,148
50%	711	-498	-528	-3,255	-3,543	-3,276	-149	204	4,316	-1,558	-3,675	-1,164
60%	808	-363	-576	-790	-1,551	-1,408	-134	614	2,177	-2,995	-3,919	-3,002
70%	1,269	-933	712	-135	-673	-676	517	1,001	678	-4,343	-3,944	-2,689
80%	1,341	-1,226	1,424	141	624	-245	120	573	352	-4,787	-3,367	-2,308
90%	446	-1,304	-400	-262	-692	-138	933	-226	539	-4,050	-1,748	-327
Long Term												
Full Simulation Period[a]	391	-1,361	-1,472	-660	-25	-1,089	-944	-1,316	1,598	-2,281	-2,598	2,001
Water Year Types[b]												
Wet (32%)	-478	-1,621	-4,441	456	1,343	-620	-2,447	-6,324	-1,141	-556	-1,764	7,355
Above Normal (15%)	1,235	-1,396	104	-1,343	819	-800	-2,172	286	5,995	-367	-975	5,364
Below Normal (17%)	53	-974	590	-2,732	-1,439	-3,026	-266	709	4,290	-2,416	-2,090	-2,882
Dry (22%)	973	-1,694	-433	-787	-912	-1,066	690	2,182	1,509	-5,032	-6,052	-2,979
Critical (15%)	949	-716	-579	211	-853	-171	299	325	127	-3,649	-1,438	205

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-20-4. Sacramento River at Freeport, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	15,407	24,427	51,094	63,434	68,256	61,156	50,243	41,972	26,032	23,545	18,025	19,590
20%	13,765	15,847	36,152	56,012	60,934	51,777	38,496	27,859	20,410	22,708	17,588	17,116
30%	12,858	14,563	24,821	41,045	51,013	43,112	23,516	18,662	15,247	21,374	16,921	14,104
40%	11,766	13,576	18,406	30,911	43,446	33,804	20,554	15,293	13,924	20,443	16,605	13,660
50%	11,278	12,179	16,439	24,758	33,438	27,155	16,221	13,689	13,373	19,911	16,172	13,212
60%	10,626	11,177	15,011	19,442	24,695	22,066	13,316	12,101	12,691	19,645	15,692	12,776
70%	9,804	10,841	12,950	15,694	19,946	19,191	12,034	10,982	12,374	19,278	15,229	12,051
80%	9,000	9,642	11,585	13,339	14,885	15,383	11,232	10,131	11,721	17,257	13,450	11,043
90%	7,694	8,451	9,896	12,533	13,059	11,666	9,806	8,901	10,361	14,669	10,150	8,062
Long Term												
Full Simulation Period[a]	11,696	14,834	23,734	31,874	37,057	32,865	23,236	19,303	16,633	19,748	15,358	13,847
Water Year Types[b]												
Wet (32%)	13,583	19,472	39,674	50,800	57,222	49,436	37,854	32,064	24,106	20,096	15,965	18,351
Above Normal (15%)	11,200	15,357	21,658	39,719	45,570	44,531	26,041	21,138	16,526	21,793	16,021	13,297
Below Normal (17%)	11,642	12,633	16,695	23,705	31,864	24,520	17,823	14,366	13,793	21,176	15,792	12,522
Dry (22%)	10,366	12,920	15,471	17,397	21,179	20,684	13,066	11,093	12,451	19,498	17,113	12,250
Critical (15%)	10,161	9,703	11,879	14,265	14,732	13,300	10,325	7,897	10,133	15,656	10,242	8,580

Alternative 3 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	20,028	20,935	47,975	65,506	70,748	62,109	45,744	33,599	24,526	22,546	16,694	13,816
20%	17,897	14,569	32,725	57,422	62,819	51,834	32,223	23,877	21,130	20,809	14,211	12,622
30%	16,460	12,380	22,584	39,756	49,588	40,813	22,590	19,417	18,961	19,339	13,219	11,866
40%	14,804	11,566	19,079	26,833	43,168	29,591	20,238	16,421	17,641	18,638	12,738	11,030
50%	14,108	10,908	17,174	22,826	29,918	24,703	16,218	14,470	16,263	17,426	12,109	10,455
60%	13,316	10,235	15,695	20,455	23,181	20,821	14,174	13,262	15,132	15,727	11,571	10,134
70%	11,306	9,732	14,728	17,082	20,733	19,475	13,269	12,329	12,823	13,656	10,641	9,710
80%	9,193	8,371	13,429	13,773	15,914	15,433	11,800	11,383	11,978	11,650	8,966	8,696
90%	7,408	8,062	9,671	12,624	12,834	12,066	11,028	8,954	10,852	9,718	8,061	7,818
Long Term												
Full Simulation Period[a]	14,075	13,098	23,403	32,142	37,326	32,118	22,646	18,122	17,068	16,744	12,249	10,933
Water Year Types[b]												
Wet (32%)	14,989	17,735	36,959	52,229	58,650	49,129	35,517	25,851	21,781	19,164	13,990	12,814
Above Normal (15%)	14,412	12,610	23,228	39,658	46,546	43,982	24,315	21,163	20,262	19,930	14,541	12,451
Below Normal (17%)	13,927	11,017	17,896	22,355	30,749	22,226	18,259	15,411	16,701	17,345	12,755	10,261
Dry (22%)	12,820	11,125	16,111	17,809	21,036	19,883	14,150	13,577	13,021	13,785	10,381	9,170
Critical (15%)	13,814	8,928	11,569	14,022	14,009	13,292	10,954	8,312	10,163	12,055	8,392	8,766

Alternative 3 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4,622	-3,492	-3,118	2,072	2,493	953	-4,499	-8,373	-1,505	-999	-1,331	-5,775
20%	4,132	-1,277	-3,427	1,410	1,885	57	-6,273	-3,982	720	-1,899	-3,377	-4,494
30%	3,602	-2,182	-2,237	-1,290	-1,424	-2,300	-926	755	3,715	-2,036	-3,702	-2,238
40%	3,038	-2,009	673	-4,078	-278	-4,213	-316	1,127	3,717	-1,805	-3,868	-2,630
50%	2,830	-1,271	735	-1,932	-3,521	-2,452	-3	781	2,890	-2,485	-4,063	-2,757
60%	2,689	-941	684	1,013	-1,514	-1,245	858	1,161	2,441	-3,918	-4,121	-2,642
70%	1,502	-1,110	1,779	1,388	787	284	1,235	1,346	449	-5,622	-4,588	-2,341
80%	193	-1,270	1,844	433	1,029	50	568	1,252	257	-5,607	-4,484	-2,346
90%	-286	-389	-225	91	-225	400	1,222	54	491	-4,951	-2,089	-244
Long Term												
Full Simulation Period[a]	2,379	-1,736	-331	268	268	-747	-589	-1,182	436	-3,004	-3,110	-2,914
Water Year Types[b]												
Wet (32%)	1,405	-1,737	-2,715	1,429	1,429	-308	-2,337	-6,213	-2,325	-932	-1,974	-5,538
Above Normal (15%)	3,212	-2,747	1,569	-62	977	-549	-1,726	25	3,736	-1,863	-1,480	-846
Below Normal (17%)	2,285	-1,616	1,201	-1,350	-1,115	-2,294	435	1,045	2,909	-3,832	-3,038	-2,260
Dry (22%)	2,455	-1,795	640	412	-143	-801	1,084	2,484	569	-5,713	-6,731	-3,079
Critical (15%)	3,653	-775	-310	-242	-723	-8	629	415	30	-3,601	-1,850	185

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-20-5. Sacramento River at Freeport, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	15,407	24,427	51,094	63,434	68,256	61,156	50,243	41,972	26,032	23,545	18,025	19,590
20%	13,765	15,847	36,152	56,012	60,934	51,777	38,496	27,859	20,410	22,708	17,588	17,116
30%	12,858	14,563	24,821	41,045	51,013	43,112	23,516	18,662	15,247	21,374	16,921	14,104
40%	11,766	13,576	18,406	30,911	43,446	33,804	20,554	15,293	13,924	20,443	16,605	13,660
50%	11,278	12,179	16,439	24,758	33,438	27,155	16,221	13,689	13,373	19,911	16,172	13,212
60%	10,626	11,177	15,011	19,442	24,695	22,066	13,316	12,101	12,691	19,645	15,692	12,776
70%	9,804	10,841	12,950	15,694	19,946	19,191	12,034	10,982	12,374	19,278	15,229	12,051
80%	9,000	9,642	11,585	13,339	14,885	15,383	11,232	10,131	11,721	17,257	13,450	11,043
90%	7,694	8,451	9,896	12,533	13,059	11,666	9,806	8,901	10,361	14,669	10,150	8,062
Long Term												
Full Simulation Period[a]	11,696	14,834	23,734	31,874	37,057	32,865	23,236	19,303	16,633	19,748	15,358	13,847
Water Year Types[b]												
Wet (32%)	13,583	19,472	39,674	50,800	57,222	49,436	37,854	32,064	24,106	20,096	15,965	18,351
Above Normal (15%)	11,200	15,357	21,658	39,719	45,570	44,531	26,041	21,138	16,526	21,793	16,021	13,297
Below Normal (17%)	11,642	12,633	16,695	23,705	31,864	24,520	17,823	14,366	13,793	21,176	15,792	12,522
Dry (22%)	10,366	12,920	15,471	17,397	21,179	20,684	13,066	11,093	12,451	19,498	17,113	12,250
Critical (15%)	10,161	9,703	11,879	14,265	14,732	13,300	10,325	7,897	10,133	15,656	10,242	8,580

Alternative 4 H1 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	15,198	20,787	49,127	66,716	70,748	62,101	45,725	33,975	23,997	24,341	18,021	13,793
20%	14,183	14,372	32,975	57,602	62,970	51,955	32,231	23,829	23,073	23,530	16,637	12,675
30%	13,554	12,455	21,754	38,957	50,153	41,290	22,629	19,492	20,924	21,911	15,073	12,096
40%	12,638	11,315	18,458	26,931	44,080	29,600	20,293	14,866	19,556	20,272	13,653	11,254
50%	11,965	10,628	16,660	22,600	29,965	24,425	15,723	13,633	17,568	18,551	12,846	10,792
60%	11,180	9,948	14,861	20,109	23,039	20,849	13,558	12,716	15,768	16,781	12,043	10,274
70%	10,948	9,391	13,529	17,286	20,875	18,664	12,616	11,554	13,956	14,909	11,271	9,862
80%	9,961	8,533	12,600	13,901	15,919	15,138	11,438	10,715	12,653	12,606	10,312	9,207
90%	8,182	7,487	9,458	12,322	12,387	11,770	10,683	8,682	10,894	10,237	8,469	8,037
Long Term												
Full Simulation Period[a]	12,033	12,898	23,067	32,013	37,355	32,040	22,326	17,632	17,994	18,062	13,303	11,138
Water Year Types[b]												
Wet (32%)	12,962	17,353	37,097	52,108	58,857	48,981	35,473	25,285	22,358	20,577	14,572	12,767
Above Normal (15%)	11,948	12,817	22,206	40,038	47,178	44,403	23,971	20,652	21,112	22,376	15,965	12,239
Below Normal (17%)	12,141	11,080	17,584	21,537	31,125	22,107	17,625	14,687	18,746	18,863	14,300	10,591
Dry (22%)	11,228	10,722	15,165	16,964	20,203	19,597	13,688	13,109	14,159	15,523	11,773	9,976
Critical (15%)	11,187	8,713	11,783	15,245	13,940	13,223	10,640	8,253	10,293	11,173	9,022	8,889

Alternative 4 H1 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-209	-3,640	-1,967	3,281	2,493	945	-4,517	-7,997	-2,035	796	-4	-5,797
20%	418	-1,475	-3,177	1,591	2,036	178	-6,265	-4,030	2,663	822	-950	-4,441
30%	696	-2,108	-3,067	-2,088	-860	-1,823	-887	830	5,677	537	-1,848	-2,008
40%	872	-2,261	53	-3,980	634	-4,203	-260	-427	5,631	-172	-2,952	-2,406
50%	687	-1,551	221	-2,158	-3,474	-2,730	-498	-56	4,195	-1,360	-3,326	-2,420
60%	553	-1,229	-150	667	-1,656	-1,217	242	616	3,077	-2,864	-3,649	-2,501
70%	1,144	-1,450	580	1,592	929	-527	582	572	1,582	-4,370	-3,958	-2,188
80%	961	-1,108	1,014	561	1,034	-245	206	584	933	-4,650	-3,138	-1,836
90%	488	-964	-438	-211	-673	104	877	-219	533	-4,432	-1,681	-25
Long Term												
Full Simulation Period[a]	337	-1,936	-666	139	297	-825	-909	-1,671	1,361	-1,686	-2,055	-2,709
Water Year Types[b]												
Wet (32%)	-622	-2,119	-2,577	1,308	1,635	-455	-2,381	-6,779	-1,748	481	-1,393	-5,584
Above Normal (15%)	748	-2,540	548	319	1,608	-128	-2,071	-486	4,586	583	-56	-1,058
Below Normal (17%)	499	-1,553	890	-2,168	-739	-2,413	-199	322	4,954	-2,313	-1,493	-1,931
Dry (22%)	862	-2,198	-306	-434	-976	-1,087	622	2,017	1,707	-3,976	-5,339	-2,273
Critical (15%)	1,027	-989	-96	980	-792	-77	315	355	160	-4,483	-1,220	309

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-20-6. Sacramento River at Freeport, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	15,407	24,427	51,094	63,434	68,256	61,156	50,243	41,972	26,032	23,545	18,025	19,590
20%	13,765	15,847	36,152	56,012	60,934	51,777	38,496	27,859	20,410	22,708	17,588	17,116
30%	12,858	14,563	24,821	41,045	51,013	43,112	23,516	18,662	15,247	21,374	16,921	14,104
40%	11,766	13,576	18,406	30,911	43,446	33,804	20,554	15,293	13,924	20,443	16,605	13,660
50%	11,278	12,179	16,439	24,758	33,438	27,155	16,221	13,689	13,373	19,911	16,172	13,212
60%	10,626	11,177	15,011	19,442	24,695	22,066	13,316	12,101	12,691	19,645	15,692	12,776
70%	9,804	10,841	12,950	15,694	19,946	19,191	12,034	10,982	12,374	19,278	15,229	12,051
80%	9,000	9,642	11,585	13,339	14,885	15,383	11,232	10,131	11,721	17,257	13,450	11,043
90%	7,694	8,451	9,896	12,533	13,059	11,666	9,806	8,901	10,361	14,669	10,150	8,062
Long Term												
Full Simulation Period[a]	11,696	14,834	23,734	31,874	37,057	32,865	23,236	19,303	16,633	19,748	15,358	13,847
Water Year Types[b]												
Wet (32%)	13,583	19,472	39,674	50,800	57,222	49,436	37,854	32,064	24,106	20,096	15,965	18,351
Above Normal (15%)	11,200	15,357	21,658	39,719	45,570	44,531	26,041	21,138	16,526	21,793	16,021	13,297
Below Normal (17%)	11,642	12,633	16,695	23,705	31,864	24,520	17,823	14,366	13,793	21,176	15,792	12,522
Dry (22%)	10,366	12,920	15,471	17,397	21,179	20,684	13,066	11,093	12,451	19,498	17,113	12,250
Critical (15%)	10,161	9,703	11,879	14,265	14,732	13,300	10,325	7,897	10,133	15,656	10,242	8,580

Alternative 4 H2 (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	15,672	20,772	51,919	67,219	71,213	62,854	45,738	34,749	23,557	21,569	16,513	14,078
20%	14,470	14,318	33,163	56,499	62,853	51,907	33,342	23,812	17,896	20,970	15,552	12,978
30%	13,755	12,274	21,816	40,118	51,167	39,186	27,112	21,183	16,988	19,944	14,787	12,142
40%	12,788	11,202	18,599	28,748	43,701	29,908	24,786	17,393	15,612	18,412	14,192	11,428
50%	11,743	10,498	15,971	22,898	30,573	25,159	21,941	14,773	13,559	17,413	13,016	10,821
60%	10,905	10,067	14,494	19,402	22,918	20,720	15,990	12,646	12,812	16,758	12,359	10,343
70%	10,113	9,337	12,307	17,197	19,402	18,368	11,963	11,585	11,990	14,683	11,745	9,915
80%	9,388	8,482	10,597	14,327	15,343	15,135	11,132	10,453	11,428	13,341	10,313	9,534
90%	8,091	7,620	9,475	12,867	11,642	11,518	10,166	8,691	10,048	9,769	8,242	8,379
Long Term												
Full Simulation Period[a]	11,899	13,021	22,833	32,217	37,391	32,016	24,157	18,294	15,512	16,883	12,974	11,324
Water Year Types[b]												
Wet (32%)	12,818	17,616	38,057	51,968	58,557	49,060	38,231	27,313	19,096	18,497	13,412	12,833
Above Normal (15%)	11,875	12,760	20,875	40,391	47,418	43,707	27,350	21,792	15,914	18,727	15,187	11,497
Below Normal (17%)	11,634	11,313	16,764	22,091	31,778	22,458	21,256	14,564	15,910	17,942	14,136	11,355
Dry (22%)	10,852	10,765	14,619	17,458	20,151	19,656	13,197	12,578	13,511	15,939	12,564	10,243
Critical (15%)	11,814	8,702	11,210	15,204	13,913	13,088	10,292	8,182	9,885	11,725	9,072	9,468

Alternative 4 H2 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	265	**-3,655**	826	3,785	2,958	1,698	**-4,504**	**-7,223**	**-2,474**	**-1,976**	**-1,511**	**-5,512**
20%	705	**-1,529**	**-2,988**	487	1,919	130	**-5,154**	**-4,047**	**-2,515**	**-1,737**	**-2,036**	**-4,137**
30%	896	**-2,289**	**-3,005**	**-927**	154	**-3,926**	3,595	2,522	1,742	**-1,430**	**-2,134**	**-1,962**
40%	1,022	**-2,374**	193	**-2,163**	255	**-3,896**	4,232	2,100	1,688	**-2,031**	**-2,413**	**-2,232**
50%	465	**-1,682**	**-468**	**-1,859**	**-2,866**	**-1,996**	5,720	1,084	186	**-2,498**	**-3,156**	**-2,391**
60%	278	**-1,109**	**-518**	**-41**	**-1,777**	**-1,346**	2,674	546	121	**-2,887**	**-3,333**	**-2,433**
70%	309	**-1,505**	**-642**	1,503	**-544**	**-823**	**-71**	602	**-384**	**-4,595**	**-3,484**	**-2,136**
80%	388	**-1,160**	**-989**	987	458	**-248**	**-100**	322	**-292**	**-3,916**	**-3,138**	**-1,508**
90%	397	**-831**	**-421**	334	**-1,417**	**-149**	361	**-210**	**-313**	**-4,900**	**-1,908**	317
Long Term												
Full Simulation Period[a]	203	**-1,814**	**-900**	344	334	**-849**	921	**-1,009**	**-1,120**	**-2,865**	**-2,384**	**-2,523**
Water Year Types[b]												
Wet (32%)	**-765**	**-1,856**	**-1,617**	1,168	1,336	**-376**	377	**-4,751**	**-5,010**	**-1,599**	**-2,552**	**-5,519**
Above Normal (15%)	675	**-2,597**	**-783**	671	1,848	**-825**	1,309	655	**-612**	**-3,066**	**-835**	**-1,800**
Below Normal (17%)	**-9**	**-1,321**	69	**-1,614**	**-86**	**-2,062**	3,433	199	2,118	**-3,235**	**-1,656**	**-1,166**
Dry (22%)	486	**-2,155**	**-852**	61	**-1,028**	**-1,028**	131	1,486	1,059	**-3,560**	**-4,549**	**-2,007**
Critical (15%)	1,653	**-1,001**	**-669**	939	**-819**	**-212**	**-32**	284	**-248**	**-3,931**	**-1,170**	888

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-20-7. Sacramento River at Freeport, Monthly Flow

Existing Condition

Statistic	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	15,407	24,427	51,094	63,434	68,256	61,156	50,243	41,972	26,032	23,545	18,025	19,590
20%	13,765	15,847	36,152	56,012	60,934	51,777	38,496	27,859	20,410	22,708	17,588	17,116
30%	12,858	14,563	24,821	41,045	51,013	43,112	23,516	18,662	15,247	21,374	16,921	14,104
40%	11,766	13,576	18,406	30,911	43,446	33,804	20,554	15,293	13,924	20,443	16,605	13,660
50%	11,278	12,179	16,439	24,758	33,438	27,155	16,221	13,689	13,373	19,911	16,172	13,212
60%	10,626	11,177	15,011	19,442	24,695	22,066	13,316	12,101	12,691	19,645	15,692	12,776
70%	9,804	10,841	12,950	15,694	19,946	19,191	12,034	10,982	12,374	19,278	15,229	12,051
80%	9,000	9,642	11,585	13,339	14,885	15,383	11,232	10,131	11,721	17,257	13,450	11,043
90%	7,694	8,451	9,896	12,533	13,059	11,666	9,806	8,901	10,361	14,669	10,150	8,062
Long Term												
Full Simulation Period[a]	11,696	14,834	23,734	31,874	37,057	32,865	23,236	19,303	16,633	19,748	15,358	13,847
Water Year Types[b]												
Wet (32%)	13,583	19,472	39,674	50,800	57,222	49,436	37,854	32,064	24,106	20,096	15,965	18,351
Above Normal (15%)	11,200	15,357	21,658	39,719	45,570	44,531	26,041	21,138	16,526	21,793	16,021	13,297
Below Normal (17%)	11,642	12,633	16,695	23,705	31,864	24,520	17,823	14,366	13,793	21,176	15,792	12,522
Dry (22%)	10,366	12,920	15,471	17,397	21,179	20,684	13,066	11,093	12,451	19,498	17,113	12,250
Critical (15%)	10,161	9,703	11,879	14,265	14,732	13,300	10,325	7,897	10,133	15,656	10,242	8,580

Alternative 4 H3 (LLT)

Statistic	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	14,961	20,481	47,114	65,109	70,478	62,099	45,720	33,673	24,086	24,135	17,696	27,249
20%	13,813	14,880	31,652	56,986	63,420	51,636	32,225	23,965	23,239	23,464	16,614	25,457
30%	13,113	14,515	20,790	39,247	48,812	39,937	22,611	20,088	21,190	21,769	14,502	22,253
40%	12,441	12,633	18,001	24,888	43,168	29,230	20,046	15,076	19,523	20,491	13,500	17,197
50%	11,859	11,952	15,874	21,948	30,009	23,697	16,021	13,530	17,586	18,805	12,375	12,310
60%	11,385	10,872	14,357	18,894	23,192	20,648	13,213	12,595	15,520	16,650	12,036	10,198
70%	10,858	9,812	13,603	15,758	19,264	18,403	12,191	11,809	13,276	14,532	11,385	9,426
80%	9,283	8,331	12,426	13,741	15,532	15,490	11,204	10,690	12,151	12,743	10,143	8,752
90%	8,158	7,141	9,440	12,471	12,363	11,464	10,699	8,674	10,941	10,389	8,373	7,775
Long Term												
Full Simulation Period[a]	11,862	13,483	22,156	31,296	37,070	31,666	22,231	17,669	17,959	18,084	13,157	15,923
Water Year Types[b]												
Wet (32%)	13,031	17,903	35,182	51,332	58,619	48,787	35,365	25,325	22,530	20,754	14,696	25,642
Above Normal (15%)	12,179	13,912	21,806	38,336	46,604	43,357	23,884	20,924	21,228	22,447	15,875	18,499
Below Normal (17%)	11,787	11,833	16,645	20,995	30,339	21,357	17,574	14,728	18,161	19,322	14,334	10,023
Dry (22%)	10,900	11,226	14,923	16,506	20,283	19,565	13,571	13,027	14,192	14,736	11,232	9,464
Critical (15%)	10,539	8,788	11,565	15,045	13,878	13,061	10,546	8,218	10,200	11,510	8,621	8,858

Alternative 4 H3 (LLT) minus Existing Condition

Statistic	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-446	-3,946	-3,980	1,674	2,222	943	-4,523	-8,299	-1,945	590	-328	7,658
20%	48	-967	-4,500	975	2,486	-141	-6,271	-3,894	2,829	756	-974	8,341
30%	254	-47	-4,031	-1,798	-2,200	-3,175	-905	1,427	5,943	395	-2,419	8,149
40%	675	-942	-405	-6,023	-278	-4,574	-508	-217	5,599	48	-3,106	3,537
50%	581	-227	-565	-2,809	-3,430	-3,458	-200	-159	4,213	-1,106	-3,797	-902
60%	759	-304	-654	-548	-1,503	-1,418	-103	494	2,829	-2,995	-3,656	-2,577
70%	1,055	-1,029	654	64	-682	-789	158	827	901	-4,747	-3,844	-2,624
80%	283	-1,311	841	401	647	107	-28	559	430	-4,513	-3,307	-2,291
90%	464	-1,310	-456	-62	-697	-202	894	-227	580	-4,280	-1,778	-287
Long Term												
Full Simulation Period[a]	165	-1,351	-1,577	-578	12	-1,198	-1,004	-1,634	1,326	-1,664	-2,201	2,076
Water Year Types[b]												
Wet (32%)	-552	-1,570	-4,492	532	1,398	-649	-2,490	-6,739	-1,576	658	-1,268	7,291
Above Normal (15%)	979	-1,445	148	-1,383	1,034	-1,175	-2,157	-213	4,702	654	-146	5,202
Below Normal (17%)	145	-800	-50	-2,710	-1,525	-3,163	-249	363	4,369	-1,855	-1,458	-2,499
Dry (22%)	534	-1,694	-548	-891	-897	-1,120	505	1,934	1,741	-4,763	-5,881	-2,786
Critical (15%)	379	-914	-314	780	-854	-239	222	321	67	-4,146	-1,621	277

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-20-8. Sacramento River at Freeport, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	15,407	24,427	51,094	63,434	68,256	61,156	50,243	41,972	26,032	23,545	18,025	19,590
20%	13,765	15,847	36,152	56,012	60,934	51,777	38,496	27,859	20,410	22,708	17,588	17,116
30%	12,858	14,563	24,821	41,045	51,013	43,112	23,516	18,662	15,247	21,374	16,921	14,104
40%	11,766	13,576	18,406	30,911	43,446	33,804	20,554	15,293	13,924	20,443	16,605	13,660
50%	11,278	12,179	16,439	24,758	33,438	27,155	16,221	13,689	13,373	19,911	16,172	13,212
60%	10,626	11,177	15,011	19,442	24,695	22,066	13,316	12,101	12,691	19,645	15,692	12,776
70%	9,804	10,841	12,950	15,694	19,946	19,191	12,034	10,982	12,374	19,278	15,229	12,051
80%	9,000	9,642	11,585	13,339	14,885	15,383	11,232	10,131	11,721	17,257	13,450	11,043
90%	7,694	8,451	9,896	12,533	13,059	11,666	9,806	8,901	10,361	14,669	10,150	8,062
Long Term												
Full Simulation Period[a]	11,696	14,834	23,734	31,874	37,057	32,865	23,236	19,303	16,633	19,748	15,358	13,847
Water Year Types[b]												
Wet (32%)	13,583	19,472	39,674	50,800	57,222	49,436	37,854	32,064	24,106	20,096	15,965	18,351
Above Normal (15%)	11,200	15,357	21,658	39,719	45,570	44,531	26,041	21,138	16,526	21,793	16,021	13,297
Below Normal (17%)	11,642	12,633	16,695	23,705	31,864	24,520	17,823	14,366	13,793	21,176	15,792	12,522
Dry (22%)	10,366	12,920	15,471	17,397	21,179	20,684	13,066	11,093	12,451	19,498	17,113	12,250
Critical (15%)	10,161	9,703	11,879	14,265	14,732	13,300	10,325	7,897	10,133	15,656	10,242	8,580

Alternative 4 H4 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	15,410	20,944	47,438	67,221	70,508	62,106	45,739	34,855	23,192	22,505	16,574	27,439
20%	13,639	15,045	30,679	55,009	62,867	51,586	33,359	23,948	19,220	20,706	15,471	25,314
30%	12,689	14,279	21,411	39,278	49,309	38,274	27,392	21,194	16,329	19,935	14,768	22,585
40%	12,086	12,637	18,079	26,057	43,379	29,677	24,786	16,712	15,217	18,412	14,123	18,230
50%	11,478	11,899	15,660	21,106	30,512	24,141	21,764	14,076	13,846	17,320	13,159	13,333
60%	11,149	11,182	13,996	18,134	22,876	20,427	14,983	12,477	12,861	15,531	12,211	10,632
70%	10,430	9,727	13,217	14,663	18,943	18,049	11,937	11,560	11,960	14,119	11,496	9,413
80%	9,280	8,425	10,539	13,497	15,379	15,050	10,966	10,481	11,227	12,918	10,185	8,978
90%	8,103	7,619	9,061	12,111	11,698	11,513	10,231	8,664	9,970	10,393	8,267	8,190
Long Term												
Full Simulation Period[a]	11,685	13,591	22,039	30,916	37,051	31,662	24,076	18,163	15,494	16,880	12,893	16,338
Water Year Types[b]												
Wet (32%)	12,815	17,994	35,745	50,819	58,286	48,940	38,200	27,278	19,100	19,155	13,489	26,036
Above Normal (15%)	12,466	14,320	21,205	38,220	46,706	42,766	27,423	21,787	16,152	18,837	14,533	18,466
Below Normal (17%)	11,279	11,865	16,382	21,244	30,710	21,606	20,814	14,206	16,248	18,018	13,938	10,122
Dry (22%)	10,442	11,218	14,622	16,263	20,199	19,580	13,156	12,315	13,006	14,856	12,536	10,332
Critical (15%)	10,796	8,896	10,904	13,755	14,060	12,978	10,313	8,181	9,875	11,701	9,281	9,458

Alternative 4 H4 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3	-3,483	-3,656	3,787	2,252	950	-4,504	-7,117	-2,839	-1,040	-1,451	7,849
20%	-126	-801	-5,472	-1,003	1,933	-191	-5,137	-3,911	-1,190	-2,002	-2,117	8,198
30%	-169	-283	-3,410	-1,767	-1,704	-4,838	3,876	2,532	1,082	-1,440	-2,153	8,481
40%	320	-939	-326	-4,854	-66	-4,126	4,232	1,418	1,293	-2,032	-2,482	4,571
50%	200	-281	-779	-3,652	-2,926	-3,014	5,543	387	473	-2,590	-3,013	121
60%	522	5	-1,015	-1,308	-1,820	-1,639	1,667	377	169	-4,114	-3,481	-2,144
70%	626	-1,114	268	-1,030	-1,003	-1,143	-97	577	-415	-5,160	-3,733	-2,637
80%	280	-1,216	-1,046	158	494	-333	-266	350	-494	-4,339	-3,265	-2,065
90%	409	-832	-835	-422	-1,361	-153	426	-237	-391	-4,277	-1,884	128
Long Term												
Full Simulation Period[a]	-11	-1,243	-1,695	-957	-7	-1,203	840	-1,140	-1,139	-2,868	-2,465	2,491
Water Year Types[b]												
Wet (32%)	-769	-1,479	-3,929	19	1,065	-496	345	-4,786	-5,005	-941	-2,475	7,685
Above Normal (15%)	1,265	-1,037	-454	-1,499	1,137	-1,766	1,382	650	-374	-2,956	-1,488	5,170
Below Normal (17%)	-363	-768	-313	-2,461	-1,154	-2,914	2,991	-159	2,455	-3,158	-1,855	-2,400
Dry (22%)	76	-1,702	-849	-1,135	-980	-1,104	90	1,222	555	-4,642	-4,577	-1,917
Critical (15%)	635	-806	-975	-509	-672	-322	-11	284	-258	-3,955	-961	878

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-20-9. Sacramento River at Freeport, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	15,407	24,427	51,094	63,434	68,256	61,156	50,243	41,972	26,032	23,545	18,025	19,590
20%	13,765	15,847	36,152	56,012	60,934	51,777	38,496	27,859	20,410	22,708	17,588	17,116
30%	12,858	14,563	24,821	41,045	51,013	43,112	23,516	18,662	15,247	21,374	16,921	14,104
40%	11,766	13,576	18,406	30,911	43,446	33,804	20,554	15,293	13,924	20,443	16,605	13,660
50%	11,278	12,179	16,439	24,758	33,438	27,155	16,221	13,689	13,373	19,911	16,172	13,212
60%	10,626	11,177	15,011	19,442	24,695	22,066	13,316	12,101	12,691	19,645	15,692	12,776
70%	9,804	10,841	12,950	15,694	19,946	19,191	12,034	10,982	12,374	19,278	15,229	12,051
80%	9,000	9,642	11,585	13,339	14,885	15,383	11,232	10,131	11,721	17,257	13,450	11,043
90%	7,694	8,451	9,896	12,533	13,059	11,666	9,806	8,901	10,361	14,669	10,150	8,062
Long Term												
Full Simulation Period[a]	11,696	14,834	23,734	31,874	37,057	32,865	23,236	19,303	16,633	19,748	15,358	13,847
Water Year Types[b]												
Wet (32%)	13,583	19,472	39,674	50,800	57,222	49,436	37,854	32,064	24,106	20,096	15,965	18,351
Above Normal (15%)	11,200	15,357	21,658	39,719	45,570	44,531	26,041	21,138	16,526	21,793	16,021	13,297
Below Normal (17%)	11,642	12,633	16,695	23,705	31,864	24,520	17,823	14,366	13,793	21,176	15,792	12,522
Dry (22%)	10,366	12,920	15,471	17,397	21,179	20,684	13,066	11,093	12,451	19,498	17,113	12,250
Critical (15%)	10,161	9,703	11,879	14,265	14,732	13,300	10,325	7,897	10,133	15,656	10,242	8,580

Alternative 5 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	16,423	20,426	42,651	65,826	70,405	62,103	45,726	33,598	21,672	24,967	19,480	25,640
20%	13,936	15,239	31,184	56,662	63,633	51,679	32,228	21,995	19,507	24,171	17,127	24,196
30%	13,514	14,291	20,861	39,253	48,699	40,695	22,532	17,678	18,245	23,515	16,472	21,838
40%	13,087	13,200	17,779	25,057	41,782	29,523	19,892	13,843	17,439	22,763	15,157	15,808
50%	12,216	12,070	15,839	21,814	29,908	23,715	15,807	12,903	16,927	21,776	13,579	9,971
60%	11,550	11,468	14,646	19,227	23,118	20,550	13,377	12,172	15,969	19,938	12,254	9,171
70%	11,142	9,723	14,230	15,658	18,973	18,510	12,248	11,412	14,020	17,745	10,309	8,822
80%	9,021	8,338	12,557	13,491	15,432	15,136	11,168	10,297	12,300	15,009	8,557	8,126
90%	7,352	7,504	9,444	12,372	12,558	11,734	10,582	8,699	11,065	10,644	7,995	7,864
Long Term												
Full Simulation Period[a]	12,368	13,589	22,105	31,316	36,991	31,758	22,224	16,966	16,843	19,769	13,496	15,069
Water Year Types[b]												
Wet (32%)	13,226	18,126	34,936	51,769	58,589	48,942	35,380	24,745	21,205	22,270	15,273	24,772
Above Normal (15%)	12,818	13,979	21,907	38,009	46,235	43,566	23,841	19,722	18,566	22,781	17,168	17,004
Below Normal (17%)	13,608	11,624	16,460	21,346	29,752	21,449	17,405	13,329	16,802	21,739	15,216	9,413
Dry (22%)	10,828	11,486	15,422	16,303	20,605	19,540	13,437	12,686	13,943	17,527	10,688	8,526
Critical (15%)	10,922	8,815	11,112	14,456	13,975	13,072	10,907	8,020	10,065	12,402	8,182	8,525

Alternative 5 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,016	-4,001	-8,442	2,392	2,149	948	-4,517	-8,373	-4,360	1,422	1,455	6,050
20%	171	-608	-4,968	650	2,699	-98	-6,268	-5,864	-903	1,463	-461	7,080
30%	655	-272	-3,960	-1,792	-2,314	-2,417	-984	-984	2,999	2,141	-449	7,734
40%	1,321	-376	-627	-5,854	-1,664	-4,280	-662	-1,450	3,515	2,320	-1,449	2,148
50%	938	-109	-600	-2,943	-3,530	-3,440	-414	-785	3,554	1,866	-2,594	-3,241
60%	923	292	-366	-215	-1,577	-1,516	61	71	3,278	293	-3,438	-3,605
70%	1,338	-1,118	1,280	-35	-973	-681	214	430	1,646	-1,533	-4,920	-3,229
80%	21	-1,304	971	151	547	-247	-63	166	580	-2,247	-4,893	-2,917
90%	-342	-947	-452	-161	-502	68	776	-201	704	-4,026	-2,155	-198
Long Term												
Full Simulation Period[a]	672	-1,245	-1,629	-558	-67	-1,107	-1,011	-2,337	210	21	-1,862	1,222
Water Year Types[b]												
Wet (32%)	-357	-1,347	-4,738	969	1,367	-494	-2,474	-7,319	-2,901	2,174	-692	6,421
Above Normal (15%)	1,618	-1,378	249	-1,711	665	-965	-2,200	-1,416	2,040	988	1,146	3,707
Below Normal (17%)	1,966	-1,009	-235	-2,359	-2,113	-3,071	-418	-1,037	3,010	563	-576	-3,108
Dry (22%)	462	-1,434	-49	-1,094	-574	-1,144	371	1,593	1,492	-1,972	-6,424	-3,724
Critical (15%)	761	-887	-767	191	-757	-228	582	123	-68	-3,254	-2,060	-55

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-20-10. Sacramento River at Freeport, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	15,407	24,427	51,094	63,434	68,256	61,156	50,243	41,972	26,032	23,545	18,025	19,590
20%	13,765	15,847	36,152	56,012	60,934	51,777	38,496	27,859	20,410	22,708	17,588	17,116
30%	12,858	14,563	24,821	41,045	51,013	43,112	23,516	18,662	15,247	21,374	16,921	14,104
40%	11,766	13,576	18,406	30,911	43,446	33,804	20,554	15,293	13,924	20,443	16,605	13,660
50%	11,278	12,179	16,439	24,758	33,438	27,155	16,221	13,689	13,373	19,911	16,172	13,212
60%	10,626	11,177	15,011	19,442	24,695	22,066	13,316	12,101	12,691	19,645	15,692	12,776
70%	9,804	10,841	12,950	15,694	19,946	19,191	12,034	10,982	12,374	19,278	15,229	12,051
80%	9,000	9,642	11,585	13,339	14,885	15,383	11,232	10,131	11,721	17,257	13,450	11,043
90%	7,694	8,451	9,896	12,533	13,059	11,666	9,806	8,901	10,361	14,669	10,150	8,062
Long Term												
Full Simulation Period[a]	11,696	14,834	23,734	31,874	37,057	32,865	23,236	19,303	16,633	19,748	15,358	13,847
Water Year Types[b]												
Wet (32%)	13,583	19,472	39,674	50,800	57,222	49,436	37,854	32,064	24,106	20,096	15,965	18,351
Above Normal (15%)	11,200	15,357	21,658	39,719	45,570	44,531	26,041	21,138	16,526	21,793	16,021	13,297
Below Normal (17%)	11,642	12,633	16,695	23,705	31,864	24,520	17,823	14,366	13,793	21,176	15,792	12,522
Dry (22%)	10,366	12,920	15,471	17,397	21,179	20,684	13,066	11,093	12,451	19,498	17,113	12,250
Critical (15%)	10,161	9,703	11,879	14,265	14,732	13,300	10,325	7,897	10,133	15,656	10,242	8,580

Alternative 6A,6B,6C (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	14,248	20,539	48,721	65,721	70,551	62,324	45,765	33,924	23,991	22,340	17,965	23,764
20%	13,647	15,126	32,823	57,755	62,982	51,626	32,232	24,084	19,766	21,328	16,410	21,804
30%	12,834	14,304	21,494	41,143	49,329	41,875	22,539	18,416	16,098	20,196	15,266	18,551
40%	12,378	13,179	17,932	25,464	42,438	29,648	20,076	12,485	14,399	19,307	14,669	16,335
50%	11,717	11,965	15,615	21,976	30,185	24,226	15,363	11,704	12,847	18,352	14,009	14,449
60%	11,012	11,247	13,564	18,550	23,611	20,713	12,541	10,987	11,439	17,636	13,338	12,904
70%	10,234	10,628	11,689	14,751	18,816	18,406	11,299	10,233	10,955	15,814	12,953	11,676
80%	9,525	9,809	10,069	13,507	16,067	15,168	10,260	9,350	10,518	14,353	11,691	10,686
90%	8,029	8,465	8,712	11,793	12,193	10,976	9,359	8,172	9,226	13,339	11,071	10,216
Long Term												
Full Simulation Period[a]	11,504	13,931	21,993	31,468	37,295	31,868	21,725	16,729	15,017	18,003	14,234	15,583
Water Year Types[b]												
Wet (32%)	13,047	18,220	36,382	52,118	58,561	49,074	35,385	25,606	19,644	20,215	15,899	22,285
Above Normal (15%)	10,649	14,448	21,325	39,231	47,469	44,272	23,891	19,358	17,043	20,188	15,481	17,344
Below Normal (17%)	11,762	12,213	15,693	21,039	30,547	21,608	16,463	12,682	14,151	19,347	15,595	13,461
Dry (22%)	10,683	11,783	14,345	16,595	20,195	19,759	12,562	11,107	11,330	15,472	12,805	11,460
Critical (15%)	9,945	9,348	10,306	13,444	14,567	12,315	9,846	8,021	9,510	13,254	9,931	7,962

Alternative 6A,6B,6C (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-1,159	-3,888	-2,373	2,287	2,295	1,168	-4,478	-8,047	-2,041	-1,205	-60	4,174
20%	-118	-721	-3,329	1,743	2,048	-151	-6,264	-3,775	-644	-1,380	-1,177	4,688
30%	-24	-259	-3,327	97	-1,684	-1,238	-977	-246	852	-1,178	-1,655	4,447
40%	613	-397	-474	-5,447	-1,008	-4,156	-478	-2,808	475	-1,136	-1,937	2,676
50%	439	-214	-824	-2,781	-3,254	-2,928	-858	-1,985	-526	-1,559	-2,163	1,237
60%	386	70	-1,447	-893	-1,084	-1,353	-774	-1,114	-1,252	-2,010	-2,354	128
70%	430	-214	-1,261	-943	-1,130	-785	-734	-750	-1,419	-3,464	-2,276	-375
80%	525	168	-1,517	168	1,182	-215	-972	-781	-1,203	-2,904	-1,759	-357
90%	335	15	-1,184	-740	-867	-690	-447	-728	-1,135	-1,330	921	2,154
Long Term												
Full Simulation Period[a]	-192	-903	-1,741	-405	238	-997	-1,511	-2,574	-1,615	-1,745	-1,125	1,736
Water Year Types[b]												
Wet (32%)	-537	-1,252	-3,292	1,318	1,340	-362	-2,469	-6,459	-4,462	119	-65	3,934
Above Normal (15%)	-551	-909	-333	-489	1,899	-259	-2,151	-1,780	517	-1,605	-540	4,048
Below Normal (17%)	120	-420	-1,002	-2,666	-1,317	-2,913	-1,360	-1,683	358	-1,829	-198	939
Dry (22%)	317	-1,137	-1,126	-803	-984	-925	-504	15	-1,121	-4,026	-4,308	-790
Critical (15%)	-216	-355	-1,573	-821	-164	-985	-478	124	-623	-2,402	-311	-619

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-20-11. Sacramento River at Freeport, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	15,407	24,427	51,094	63,434	68,256	61,156	50,243	41,972	26,032	23,545	18,025	19,590
20%	13,765	15,847	36,152	56,012	60,934	51,777	38,496	27,859	20,410	22,708	17,588	17,116
30%	12,858	14,563	24,821	41,045	51,013	43,112	23,516	18,662	15,247	21,374	16,921	14,104
40%	11,766	13,576	18,406	30,911	43,446	33,804	20,554	15,293	13,924	20,443	16,605	13,660
50%	11,278	12,179	16,439	24,758	33,438	27,155	16,221	13,689	13,373	19,911	16,172	13,212
60%	10,626	11,177	15,011	19,442	24,695	22,066	13,316	12,101	12,691	19,645	15,692	12,776
70%	9,804	10,841	12,950	15,694	19,946	19,191	12,034	10,982	12,374	19,278	15,229	12,051
80%	9,000	9,642	11,585	13,339	14,885	15,383	11,232	10,131	11,721	17,257	13,450	11,043
90%	7,694	8,451	9,896	12,533	13,059	11,666	9,806	8,901	10,361	14,669	10,150	8,062
Long Term												
Full Simulation Period[a]	11,696	14,834	23,734	31,874	37,057	32,865	23,236	19,303	16,633	19,748	15,358	13,847
Water Year Types[b]												
Wet (32%)	13,583	19,472	39,674	50,800	57,222	49,436	37,854	32,064	24,106	20,096	15,965	18,351
Above Normal (15%)	11,200	15,357	21,658	39,719	45,570	44,531	26,041	21,138	16,526	21,793	16,021	13,297
Below Normal (17%)	11,642	12,633	16,695	23,705	31,864	24,520	17,823	14,366	13,793	21,176	15,792	12,522
Dry (22%)	10,366	12,920	15,471	17,397	21,179	20,684	13,066	11,093	12,451	19,498	17,113	12,250
Critical (15%)	10,161	9,703	11,879	14,265	14,732	13,300	10,325	7,897	10,133	15,656	10,242	8,580

Alternative 7 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	14,436	21,019	45,610	65,541	70,560	61,667	48,185	34,046	22,031	24,726	18,765	26,931
20%	13,582	15,368	30,819	56,370	62,669	50,423	34,422	23,354	19,386	23,604	16,848	25,746
30%	13,262	14,293	21,123	38,986	48,337	39,062	22,818	18,185	17,921	22,279	15,461	21,065
40%	12,988	13,367	17,763	24,901	41,493	28,854	20,315	12,432	16,558	21,580	14,060	17,462
50%	12,452	12,096	15,502	21,882	28,971	24,267	14,863	11,465	14,912	19,487	13,107	11,264
60%	11,967	11,229	13,650	18,957	22,871	20,369	12,237	11,095	12,703	18,139	12,459	9,937
70%	11,308	10,563	11,813	14,713	18,722	18,575	11,339	10,334	11,900	16,343	12,088	9,206
80%	10,520	9,902	10,017	13,371	16,103	15,231	10,344	9,360	11,637	14,805	10,755	8,464
90%	8,705	8,933	8,896	11,866	12,206	11,058	9,435	8,802	11,540	12,905	10,626	7,518
Long Term												
Full Simulation Period[a]	12,115	13,994	21,526	30,996	36,912	31,397	22,100	16,749	16,160	19,159	14,032	15,687
Water Year Types[b]												
Wet (32%)	13,516	18,293	35,223	51,333	58,112	48,339	36,461	25,163	20,835	20,939	14,815	25,710
Above Normal (15%)	11,862	14,482	20,752	38,447	46,605	42,752	24,205	20,047	18,722	22,566	15,977	18,055
Below Normal (17%)	11,851	12,328	15,665	20,868	30,100	21,898	16,486	12,382	14,669	21,037	16,125	10,256
Dry (22%)	11,415	11,808	14,200	16,201	20,066	19,402	12,443	10,884	11,997	17,127	12,215	9,112
Critical (15%)	10,691	9,413	10,447	13,489	14,502	12,413	9,917	9,114	11,454	12,754	10,674	7,801

Alternative 7 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-971	-3,408	-5,483	2,106	2,305	511	-2,058	-7,926	-4,001	1,181	740	7,341
20%	-183	-479	-5,332	358	1,735	-1,354	-4,074	-4,505	-1,024	896	-740	8,630
30%	403	-269	-3,697	-2,059	-2,676	-4,050	-698	-477	2,675	904	-1,460	6,961
40%	1,222	-208	-643	-6,009	-1,953	-4,950	-239	-2,862	2,634	1,136	-2,545	3,803
50%	1,173	-83	-938	-2,876	-4,467	-2,888	-1,358	-2,223	1,539	-424	-3,065	-1,948
60%	1,340	53	-1,361	-485	-1,825	-1,697	-1,079	-1,006	11	-1,506	-3,233	-2,838
70%	1,504	-278	-1,136	-980	-1,225	-616	-695	-648	-474	-2,936	-3,141	-2,844
80%	1,520	260	-1,569	31	1,218	-152	-888	-771	-83	-2,452	-2,695	-2,579
90%	1,011	482	-1,000	-667	-854	-608	-370	-99	1,179	-1,764	476	-544
Long Term												
Full Simulation Period[a]	419	-841	-2,208	-878	-146	-1,467	-1,135	-2,554	-473	-588	-1,326	1,840
Water Year Types[b]												
Wet (32%)	-67	-1,179	-4,451	533	890	-1,098	-1,394	-6,901	-3,271	843	-1,150	7,358
Above Normal (15%)	662	-875	-906	-1,272	1,035	-1,779	-1,836	-1,091	2,196	773	-44	4,759
Below Normal (17%)	209	-305	-1,030	-2,837	-1,764	-2,622	-1,337	-1,984	877	-139	332	-2,265
Dry (22%)	1,049	-1,112	-1,271	-1,196	-1,114	-1,283	-623	-208	-454	-2,371	-4,898	-3,138
Critical (15%)	530	-290	-1,432	-776	-230	-887	-408	1,217	1,320	-2,902	432	-779

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-20-12. Sacramento River at Freeport, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	15,407	24,427	51,094	63,434	68,256	61,156	50,243	41,972	26,032	23,545	18,025	19,590
20%	13,765	15,847	36,152	56,012	60,934	51,777	38,496	27,859	20,410	22,708	17,588	17,116
30%	12,858	14,563	24,821	41,045	51,013	43,112	23,516	18,662	15,247	21,374	16,921	14,104
40%	11,766	13,576	18,406	30,911	43,446	33,804	20,554	15,293	13,924	20,443	16,605	13,660
50%	11,278	12,179	16,439	24,758	33,438	27,155	16,221	13,689	13,373	19,911	16,172	13,212
60%	10,626	11,177	15,011	19,442	24,695	22,066	13,316	12,101	12,691	19,645	15,692	12,776
70%	9,804	10,841	12,950	15,694	19,946	19,191	12,034	10,982	12,374	19,278	15,229	12,051
80%	9,000	9,642	11,585	13,339	14,885	15,383	11,232	10,131	11,721	17,257	13,450	11,043
90%	7,694	8,451	9,896	12,533	13,059	11,666	9,806	8,901	10,361	14,669	10,150	8,062
Long Term												
Full Simulation Period[a]	11,696	14,834	23,734	31,874	37,057	32,865	23,236	19,303	16,633	19,748	15,358	13,847
Water Year Types[b]												
Wet (32%)	13,583	19,472	39,674	50,800	57,222	49,436	37,854	32,064	24,106	20,096	15,965	18,351
Above Normal (15%)	11,200	15,357	21,658	39,719	45,570	44,531	26,041	21,138	16,526	21,793	16,021	13,297
Below Normal (17%)	11,642	12,633	16,695	23,705	31,864	24,520	17,823	14,366	13,793	21,176	15,792	12,522
Dry (22%)	10,366	12,920	15,471	17,397	21,179	20,684	13,066	11,093	12,451	19,498	17,113	12,250
Critical (15%)	10,161	9,703	11,879	14,265	14,732	13,300	10,325	7,897	10,133	15,656	10,242	8,580

Alternative 8 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	12,944	20,278	47,771	67,478	70,333	64,268	52,494	36,887	24,492	14,838	11,095	22,278
20%	11,467	14,451	29,565	55,555	63,319	49,960	39,610	28,200	19,242	13,901	11,016	21,316
30%	10,433	13,656	21,064	41,194	50,361	40,153	30,786	25,387	16,012	13,493	10,972	18,581
40%	10,096	12,050	17,875	27,985	42,696	31,521	26,592	21,043	13,871	12,640	10,891	15,300
50%	9,553	11,436	15,264	23,869	32,123	27,299	24,549	19,122	12,517	12,113	10,710	9,180
60%	8,964	10,345	13,487	19,652	25,384	23,554	19,792	15,427	11,687	11,795	10,598	8,610
70%	8,428	9,637	11,507	16,009	22,220	21,656	17,684	13,707	11,502	11,263	10,510	8,086
80%	7,480	9,051	9,915	13,494	18,566	18,736	15,189	11,413	11,179	10,696	10,256	7,553
90%	6,025	7,798	8,360	11,416	12,576	14,396	12,107	9,253	10,566	10,362	8,898	7,390
Long Term												
Full Simulation Period[a]	9,754	13,185	21,476	32,416	38,562	33,712	27,679	21,256	15,406	12,580	10,479	13,294
Water Year Types[b]												
Wet (32%)	11,175	17,570	35,775	52,529	58,337	49,003	40,703	30,688	20,996	14,562	11,206	21,602
Above Normal (15%)	10,491	13,646	19,870	41,122	48,582	43,813	31,108	24,790	16,504	12,704	10,742	15,068
Below Normal (17%)	9,230	11,259	15,630	23,391	32,442	25,232	25,735	19,253	13,301	11,376	9,970	8,615
Dry (22%)	8,893	11,208	13,963	17,073	23,461	24,175	18,683	14,075	11,136	11,703	10,430	7,970
Critical (15%)	7,842	8,433	10,193	13,674	15,490	14,676	11,791	10,391	11,059	10,884	9,312	6,965

Alternative 8 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-2,463	-4,149	-3,323	4,044	2,077	3,113	2,252	-5,085	-1,539	-8,707	-6,930	2,687
20%	-2,298	-1,396	-6,587	-457	2,386	-1,818	1,114	340	-1,168	-8,807	-6,572	4,200
30%	-2,425	-907	-3,757	148	-652	-2,959	7,270	6,725	765	-7,881	-5,949	4,477
40%	-1,670	-1,526	-530	-2,925	-749	-2,283	6,038	5,750	-53	-7,804	-5,714	1,640
50%	-1,725	-743	-1,175	-888	-1,316	145	8,328	5,433	-857	-7,797	-5,462	-4,032
60%	-1,663	-832	-1,524	210	689	1,488	6,476	3,326	-1,004	-7,850	-5,094	-4,166
70%	-1,376	-1,204	-1,443	315	2,274	2,464	5,651	2,724	-872	-8,016	-4,719	-3,965
80%	-1,520	-591	-1,670	155	3,681	3,354	3,957	1,282	-542	-6,561	-3,194	-3,490
90%	-1,669	-652	-1,536	-1,116	-484	2,730	2,301	352	205	-4,307	-1,252	-672
Long Term												
Full Simulation Period[a]	-1,942	-1,650	-2,257	542	1,505	847	4,443	1,952	-1,226	-7,168	-4,879	-553
Water Year Types[b]												
Wet (32%)	-2,409	-1,902	-3,899	1,729	1,115	-433	2,849	-1,376	-3,110	-5,534	-4,759	3,250
Above Normal (15%)	-709	-1,711	-1,788	1,403	3,013	-719	5,067	3,652	-22	-9,089	-5,279	1,772
Below Normal (17%)	-2,412	-1,375	-1,064	-314	577	712	7,912	4,888	-491	-9,801	-5,823	-3,907
Dry (22%)	-1,472	-1,712	-1,508	-324	2,282	3,490	5,617	2,983	-1,315	-7,795	-6,683	-4,279
Critical (15%)	-2,319	-1,269	-1,686	-591	758	1,376	1,467	2,493	926	-4,772	-930	-1,615

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-20-13. Sacramento River at Freeport, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	15,407	24,427	51,094	63,434	68,256	61,156	50,243	41,972	26,032	23,545	18,025	19,590
20%	13,765	15,847	36,152	56,012	60,934	51,777	38,496	27,859	20,410	22,708	17,588	17,116
30%	12,858	14,563	24,821	41,045	51,013	43,112	23,516	18,662	15,247	21,374	16,921	14,104
40%	11,766	13,576	18,406	30,911	43,446	33,804	20,554	15,293	13,924	20,443	16,605	13,660
50%	11,278	12,179	16,439	24,758	33,438	27,155	16,221	13,689	13,373	19,911	16,172	13,212
60%	10,626	11,177	15,011	19,442	24,695	22,066	13,316	12,101	12,691	19,645	15,692	12,776
70%	9,804	10,841	12,950	15,694	19,946	19,191	12,034	10,982	12,374	19,278	15,229	12,051
80%	9,000	9,642	11,585	13,339	14,885	15,383	11,232	10,131	11,721	17,257	13,450	11,043
90%	7,694	8,451	9,896	12,533	13,059	11,666	9,806	8,901	10,361	14,669	10,150	8,062
Long Term												
Full Simulation Period[a]	11,696	14,834	23,734	31,874	37,057	32,865	23,236	19,303	16,633	19,748	15,358	13,847
Water Year Types[b]												
Wet (32%)	13,583	19,472	39,674	50,800	57,222	49,436	37,854	32,064	24,106	20,096	15,965	18,351
Above Normal (15%)	11,200	15,357	21,658	39,719	45,570	44,531	26,041	21,138	16,526	21,793	16,021	13,297
Below Normal (17%)	11,642	12,633	16,695	23,705	31,864	24,520	17,823	14,366	13,793	21,176	15,792	12,522
Dry (22%)	10,366	12,920	15,471	17,397	21,179	20,684	13,066	11,093	12,451	19,498	17,113	12,250
Critical (15%)	10,161	9,703	11,879	14,265	14,732	13,300	10,325	7,897	10,133	15,656	10,242	8,580

Alternative 9 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	14,971	21,250	46,631	65,975	70,337	62,152	45,743	33,879	18,050	24,766	17,338	30,812
20%	13,669	18,293	30,250	56,489	62,985	51,614	32,231	22,007	16,893	23,064	16,990	27,631
30%	12,762	16,764	20,955	38,859	49,011	39,372	22,730	17,566	15,447	21,695	16,727	23,592
40%	12,072	15,088	17,595	24,917	42,115	29,448	19,888	15,709	14,848	20,852	16,351	21,265
50%	11,054	14,229	15,386	21,480	30,823	23,761	15,964	14,420	14,067	19,258	15,907	13,301
60%	9,277	11,553	14,421	18,142	22,899	20,707	13,091	13,101	13,674	18,136	14,947	11,623
70%	8,857	10,096	13,536	14,656	18,541	18,248	12,134	11,880	13,066	16,944	13,794	8,949
80%	8,033	9,345	11,065	13,442	15,309	15,079	11,342	11,108	11,745	14,376	12,128	8,000
90%	7,141	7,979	9,476	11,743	11,747	11,470	10,658	8,401	10,762	12,358	9,880	7,675
Long Term												
Full Simulation Period[a]	11,040	14,857	22,056	30,981	36,798	31,589	22,161	17,586	15,056	18,977	14,717	17,115
Water Year Types[b]												
Wet (32%)	12,995	19,211	35,156	51,122	58,235	48,936	35,382	24,818	18,763	21,110	16,002	28,313
Above Normal (15%)	10,443	15,739	21,664	38,328	46,159	42,570	23,827	19,159	16,516	22,429	16,923	21,040
Below Normal (17%)	10,675	13,731	16,471	21,200	29,871	21,639	16,992	14,326	13,812	19,261	15,909	12,595
Dry (22%)	10,395	12,232	14,908	16,238	20,219	19,500	13,796	14,479	12,997	17,207	13,565	8,486
Critical (15%)	8,797	9,794	11,306	13,523	13,939	12,767	10,428	8,806	10,102	13,225	10,063	7,147

Alternative 9 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	**-436**	**-3,177**	**-4,463**	2,540	2,081	996	**-4,500**	**-8,093**	**-7,981**	1,221	**-687**	11,222
20%	**-96**	2,446	**-5,902**	478	2,051	**-163**	**-6,265**	**-5,852**	**-3,518**	356	**-598**	10,515
30%	**-96**	2,201	**-3,866**	**-2,187**	**-2,001**	**-3,740**	**-787**	**-1,096**	200	321	**-194**	9,488
40%	306	1,512	**-810**	**-5,994**	**-1,330**	**-4,356**	**-666**	416	924	408	**-254**	7,606
50%	**-224**	2,050	**-1,053**	**-3,278**	**-2,615**	**-3,393**	**-257**	732	694	**-653**	**-265**	89
60%	**-1,349**	376	**-590**	**-1,301**	**-1,796**	**-1,359**	**-225**	1,000	983	**-1,509**	**-745**	**-1,153**
70%	**-947**	**-745**	587	**-1,038**	**-1,406**	**-943**	100	898	692	**-2,334**	**-1,435**	**-3,102**
80%	**-967**	**-297**	**-520**	103	424	**-304**	110	977	24	**-2,881**	**-1,323**	**-3,043**
90%	**-553**	**-472**	**-420**	**-790**	**-1,313**	**-196**	852	**-500**	401	**-2,311**	**-270**	**-387**
Long Term												
Full Simulation Period[a]	**-656**	23	**-1,677**	**-892**	**-260**	**-1,275**	**-1,075**	**-1,718**	**-1,577**	**-771**	**-641**	3,268
Water Year Types[b]												
Wet (32%)	**-589**	**-261**	**-4,518**	322	1,013	**-500**	**-2,472**	**-7,246**	**-5,343**	1,014	38	9,962
Above Normal (15%)	**-757**	382	6	**-1,392**	589	**-1,962**	**-2,214**	**-1,979**	**-10**	636	902	7,743
Below Normal (17%)	**-967**	1,098	**-224**	**-2,505**	**-1,994**	**-2,881**	**-831**	**-40**	20	**-1,915**	116	73
Dry (22%)	29	**-688**	**-563**	**-1,159**	**-960**	**-1,184**	730	3,386	546	**-2,291**	**-3,547**	**-3,764**
Critical (15%)	**-1,363**	92	**-574**	**-742**	**-793**	**-533**	103	908	**-31**	**-2,431**	**-179**	**-1,433**

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-20-14. Sacramento River at Freeport, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	14,520	20,933	48,723	65,933	70,538	64,077	49,290	34,057	18,835	24,508	18,024	29,045
20%	13,547	17,929	34,308	58,498	65,197	55,065	37,063	22,075	16,545	24,006	17,293	26,992
30%	13,136	16,559	22,188	40,921	51,209	43,781	23,035	15,989	15,632	23,370	16,788	23,595
40%	12,921	15,186	18,361	27,468	44,426	32,715	20,117	12,751	14,648	22,549	16,393	21,918
50%	12,316	14,012	15,967	22,991	34,267	25,193	15,145	12,049	13,752	21,553	15,960	12,912
60%	11,349	12,014	14,434	20,308	24,198	21,452	12,276	11,371	13,439	20,296	15,441	10,782
70%	10,225	9,917	13,741	17,513	18,833	18,890	11,546	11,024	12,865	18,346	14,345	9,219
80%	9,117	8,522	11,963	13,741	15,997	15,259	11,288	9,850	12,103	16,208	13,211	8,105
90%	7,641	7,513	9,061	12,265	12,542	11,743	10,225	8,840	11,110	12,429	9,280	7,714
Long Term												
Full Simulation Period[a]	11,857	14,692	22,789	32,496	38,028	33,164	22,892	16,422	15,098	20,020	15,039	16,857
Water Year Types[b]												
Wet (32%)	13,355	19,308	36,987	52,716	59,754	51,011	37,588	24,615	18,807	21,644	16,212	27,309
Above Normal (15%)	11,937	15,972	22,622	40,339	47,678	45,122	24,993	18,772	16,266	22,945	17,635	21,102
Below Normal (17%)	12,208	13,094	16,708	22,575	31,522	22,944	17,199	12,531	14,112	20,734	16,382	12,399
Dry (22%)	10,572	11,964	15,185	17,404	21,083	20,677	12,978	11,558	12,882	19,182	14,498	8,713
Critical (15%)	10,051	9,364	10,694	15,056	14,311	13,190	10,460	8,156	10,369	14,003	9,143	7,386

Alternative 1A,1B,1C (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	20,340	21,034	47,760	65,296	70,682	62,082	45,731	33,600	24,588	21,645	16,737	13,391
20%	18,413	14,880	32,703	56,741	62,850	51,830	32,224	24,385	21,263	20,254	13,492	12,545
30%	16,703	12,534	22,382	38,865	49,590	40,847	22,685	21,296	19,449	19,029	12,773	11,767
40%	15,299	11,470	19,095	26,788	42,849	29,594	20,131	16,924	18,147	18,334	12,532	11,117
50%	13,995	10,597	17,349	22,707	29,745	24,660	16,484	14,084	17,467	16,710	11,976	10,414
60%	13,062	10,051	15,613	20,188	23,083	21,021	15,005	13,294	15,500	15,171	11,485	10,008
70%	11,281	9,549	14,538	17,298	19,504	19,194	13,914	12,381	12,976	13,931	10,941	9,708
80%	9,150	8,407	12,764	14,430	15,928	15,413	11,905	11,320	12,191	10,982	8,771	8,753
90%	7,356	8,068	9,476	12,796	12,624	11,716	11,259	8,968	10,903	9,809	7,935	7,781
Long Term												
Full Simulation Period[a]	14,207	13,097	23,302	32,064	37,516	32,007	22,893	18,249	17,450	16,175	12,129	10,771
Water Year Types[b]												
Wet (32%)	14,818	18,020	37,003	52,200	58,768	49,080	35,506	26,025	22,045	18,771	13,872	12,559
Above Normal (15%)	13,949	12,465	23,374	39,622	47,480	43,857	24,559	21,394	20,886	19,431	14,508	11,879
Below Normal (17%)	14,747	11,042	17,559	22,332	30,958	22,201	18,500	15,868	17,320	16,073	11,947	10,170
Dry (22%)	13,210	10,821	15,551	17,780	20,593	19,711	14,866	13,421	13,458	13,530	10,721	9,427
Critical (15%)	14,008	8,877	11,872	13,659	14,543	13,047	11,061	8,275	10,195	11,383	8,299	8,507

Alternative 1A,1B,1C (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	5,820	101	**-962**	**-637**	144	**-1,994**	**-3,558**	**-456**	5,753	**-2,863**	**-1,288**	**-15,654**
20%	4,866	**-3,049**	**-1,605**	**-1,757**	**-2,347**	**-3,235**	**-4,839**	2,311	4,718	**-3,752**	**-3,802**	**-14,447**
30%	3,567	**-4,025**	194	**-2,056**	**-1,619**	**-2,934**	**-349**	5,307	3,817	**-4,341**	**-4,016**	**-11,828**
40%	2,378	**-3,716**	734	**-680**	**-1,577**	**-3,121**	14	4,174	3,498	**-4,215**	**-3,861**	**-10,801**
50%	1,679	**-3,415**	1,382	**-284**	**-4,522**	**-533**	1,339	2,035	3,715	**-4,842**	**-3,983**	**-2,498**
60%	1,713	**-1,964**	1,178	**-121**	**-1,115**	**-432**	2,729	1,924	2,062	**-5,125**	**-3,956**	**-773**
70%	1,056	**-367**	797	**-215**	671	303	2,368	1,357	112	**-4,415**	**-3,404**	489
80%	33	**-115**	801	688	**-68**	155	617	1,471	88	**-5,226**	**-4,440**	648
90%	**-285**	555	415	531	82	**-27**	1,034	128	**-206**	**-2,620**	**-1,346**	67
Long Term												
Full Simulation Period[a]	2,350	**-1,594**	513	**-432**	**-511**	**-1,157**	1	1,827	2,352	**-3,845**	**-2,910**	**-6,086**
Water Year Types[b]												
Wet (32%)	1,462	**-1,288**	16	**-516**	**-985**	**-1,931**	**-2,082**	1,411	3,238	**-2,873**	**-2,340**	**-14,749**
Above Normal (15%)	2,012	**-3,507**	752	**-717**	**-199**	**-1,265**	**-434**	2,623	4,620	**-3,514**	**-3,128**	**-9,224**
Below Normal (17%)	2,539	**-2,052**	851	**-243**	**-564**	**-743**	1,300	3,337	3,208	**-4,661**	**-4,435**	**-2,229**
Dry (22%)	2,638	**-1,143**	366	376	**-490**	**-966**	1,888	1,863	577	**-5,651**	**-3,777**	713
Critical (15%)	3,957	**-487**	1,178	**-1,396**	232	**-143**	602	119	**-173**	**-2,620**	**-845**	1,120

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-20-15. Sacramento River at Freeport, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	14,520	20,933	48,723	65,933	70,538	64,077	49,290	34,057	18,835	24,508	18,024	29,045
20%	13,547	17,929	34,308	58,498	65,197	55,065	37,063	22,075	16,545	24,006	17,293	26,992
30%	13,136	16,559	22,188	40,921	51,209	43,781	23,035	15,989	15,632	23,370	16,788	23,595
40%	12,921	15,186	18,361	27,468	44,426	32,715	20,117	12,751	14,648	22,549	16,393	21,918
50%	12,316	14,012	15,967	22,991	34,267	25,193	15,145	12,049	13,752	21,553	15,960	12,912
60%	11,349	12,014	14,434	20,308	24,198	21,452	12,276	11,371	13,439	20,296	15,441	10,782
70%	10,225	9,917	13,741	17,513	18,833	18,890	11,546	11,024	12,865	18,346	14,345	9,219
80%	9,117	8,522	11,963	13,741	15,997	15,259	11,288	9,850	12,103	16,208	13,211	8,105
90%	7,641	7,513	9,061	12,265	12,542	11,743	10,225	8,840	11,110	12,429	9,280	7,714
Long Term												
Full Simulation Period[a]	11,857	14,692	22,789	32,496	38,028	33,164	22,892	16,422	15,098	20,020	15,039	16,857
Water Year Types[b]												
Wet (32%)	13,355	19,308	36,987	52,716	59,754	51,011	37,588	24,615	18,807	21,644	16,212	27,309
Above Normal (15%)	11,937	15,972	22,622	40,339	47,678	45,122	24,993	18,772	16,266	22,945	17,635	21,102
Below Normal (17%)	12,208	13,094	16,708	22,575	31,522	22,944	17,199	12,531	14,112	20,734	16,382	12,399
Dry (22%)	10,572	11,964	15,185	17,404	21,083	20,677	12,978	11,558	12,882	19,182	14,498	8,713
Critical (15%)	10,051	9,364	10,694	15,056	14,311	13,190	10,460	8,156	10,369	14,003	9,143	7,386

Alternative 2A,2B,2C (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	15,329	20,521	47,093	65,751	70,480	62,102	45,723	33,766	26,146	23,599	17,034	27,385
20%	14,103	14,938	31,715	57,071	63,367	51,625	32,226	25,077	24,050	21,589	15,609	25,332
30%	13,492	14,334	20,729	39,259	48,132	40,018	22,587	20,974	21,963	20,662	13,742	21,402
40%	12,518	12,432	17,982	24,874	43,253	29,339	20,009	15,453	20,064	19,339	13,135	17,808
50%	11,989	11,681	15,911	21,503	29,895	23,879	16,072	13,892	17,689	18,353	12,498	12,048
60%	11,435	10,813	14,435	18,653	23,144	20,658	13,182	12,714	14,869	16,651	11,772	9,774
70%	11,073	9,909	13,661	15,558	19,273	18,515	12,551	11,984	13,052	14,936	11,285	9,362
80%	10,341	8,416	13,010	13,481	15,509	15,138	11,352	10,704	12,072	12,470	10,083	8,735
90%	8,140	7,147	9,496	12,271	12,368	11,528	10,738	8,675	10,900	10,619	8,402	7,735
Long Term												
Full Simulation Period[a]	12,087	13,473	22,262	31,213	37,033	31,776	22,291	17,987	18,231	17,467	12,760	15,848
Water Year Types[b]												
Wet (32%)	13,106	17,851	35,233	51,256	58,565	48,817	35,407	25,740	22,965	19,540	14,201	25,707
Above Normal (15%)	12,435	13,961	21,762	38,377	46,389	43,732	23,870	21,423	22,521	21,426	15,046	18,661
Below Normal (17%)	11,695	11,659	17,284	20,973	30,425	21,494	17,557	15,074	18,082	18,760	13,702	9,640
Dry (22%)	11,338	11,226	15,038	16,610	20,268	19,618	13,756	13,275	13,960	14,466	11,060	9,270
Critical (15%)	11,109	8,986	11,300	14,476	13,879	13,129	10,623	8,222	10,261	12,007	8,804	8,785

Alternative 2A,2B,2C (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	809	-411	-1,630	-182	-59	-1,974	-3,567	-291	7,311	-909	-991	-1,661
20%	556	-2,991	-2,593	-1,428	-1,830	-3,440	-4,837	3,002	7,505	-2,416	-1,684	-1,660
30%	356	-2,224	-1,459	-1,662	-3,077	-3,763	-448	4,985	6,330	-2,708	-3,046	-2,194
40%	-402	-2,754	-379	-2,594	-1,172	-3,377	-108	2,703	5,416	-3,210	-3,258	-4,110
50%	-327	-2,331	-56	-1,488	-4,372	-1,314	927	1,843	3,937	-3,200	-3,462	-864
60%	85	-1,201	1	-1,656	-1,054	-794	906	1,344	1,430	-3,645	-3,668	-1,008
70%	848	-8	-80	-1,955	440	-375	1,005	960	187	-3,411	-3,060	143
80%	1,224	-106	1,047	-260	-488	-121	63	855	-30	-3,738	-3,128	630
90%	499	-367	435	6	-175	-215	513	-165	-210	-1,810	-878	21
Long Term												
Full Simulation Period[a]	229	-1,219	-527	-1,283	-995	-1,388	-600	1,566	3,132	-2,554	-2,278	-1,009
Water Year Types[b]												
Wet (32%)	-249	-1,457	-1,754	-1,460	-1,189	-2,194	-2,181	1,125	4,158	-2,104	-2,011	-1,602
Above Normal (15%)	498	-2,011	-860	-1,963	-1,289	-1,390	-1,123	2,652	6,255	-1,519	-2,589	-2,442
Below Normal (17%)	-513	-1,435	576	-1,602	-1,097	-1,450	358	2,544	3,970	-1,974	-2,679	-2,759
Dry (22%)	766	-738	-148	-794	-815	-1,059	777	1,717	1,078	-4,716	-3,438	557
Critical (15%)	1,058	-378	606	-580	-432	-61	164	66	-108	-1,996	-339	1,399

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-20-16. Sacramento River at Freeport, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	14,520	20,933	48,723	65,933	70,538	64,077	49,290	34,057	18,835	24,508	18,024	29,045
20%	13,547	17,929	34,308	58,498	65,197	55,065	37,063	22,075	16,545	24,006	17,293	26,992
30%	13,136	16,559	22,188	40,921	51,209	43,781	23,035	15,989	15,632	23,370	16,788	23,595
40%	12,921	15,186	18,361	27,468	44,426	32,715	20,117	12,751	14,648	22,549	16,393	21,918
50%	12,316	14,012	15,967	22,991	34,267	25,193	15,145	12,049	13,752	21,553	15,960	12,912
60%	11,349	12,014	14,434	20,308	24,198	21,452	12,276	11,371	13,439	20,296	15,441	10,782
70%	10,225	9,917	13,741	17,513	18,833	18,890	11,546	11,024	12,865	18,346	14,345	9,219
80%	9,117	8,522	11,963	13,741	15,997	15,259	11,288	9,850	12,103	16,208	13,211	8,105
90%	7,641	7,513	9,061	12,265	12,542	11,743	10,225	8,840	11,110	12,429	9,280	7,714
Long Term												
Full Simulation Period[a]	11,857	14,692	22,789	32,496	38,028	33,164	22,892	16,422	15,098	20,020	15,039	16,857
Water Year Types[b]												
Wet (32%)	13,355	19,308	36,987	52,716	59,754	51,011	37,588	24,615	18,807	21,644	16,212	27,309
Above Normal (15%)	11,937	15,972	22,622	40,339	47,678	45,122	24,993	18,772	16,266	22,945	17,635	21,102
Below Normal (17%)	12,208	13,094	16,708	22,575	31,522	22,944	17,199	12,531	14,112	20,734	16,382	12,399
Dry (22%)	10,572	11,964	15,185	17,404	21,083	20,677	12,978	11,558	12,882	19,182	14,498	8,713
Critical (15%)	10,051	9,364	10,694	15,056	14,311	13,190	10,460	8,156	10,369	14,003	9,143	7,386

Alternative 3 (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	20,028	20,935	47,975	65,506	70,748	62,109	45,744	33,599	24,526	22,546	16,694	13,816
20%	17,897	14,569	32,725	57,422	62,819	51,834	32,223	23,877	21,130	20,809	14,211	12,622
30%	16,460	12,380	22,584	39,756	49,588	40,813	22,590	19,417	18,961	19,339	13,219	11,866
40%	14,804	11,566	19,079	26,833	43,168	29,591	20,238	16,421	17,641	18,638	12,738	11,030
50%	14,108	10,908	17,174	22,826	29,918	24,703	16,218	14,470	16,263	17,426	12,109	10,455
60%	13,316	10,235	15,695	20,455	23,181	20,821	14,174	13,262	15,132	15,727	11,571	10,134
70%	11,306	9,732	14,728	17,082	20,733	19,475	13,269	12,329	12,823	13,656	10,641	9,710
80%	9,193	8,371	13,429	13,773	15,914	15,433	11,800	11,383	11,978	11,650	8,966	8,696
90%	7,408	8,062	9,671	12,624	12,834	12,066	11,028	8,954	10,852	9,718	8,061	7,818
Long Term												
Full Simulation Period[a]	14,075	13,098	23,403	32,142	37,326	32,118	22,646	18,122	17,068	16,744	12,249	10,933
Water Year Types[b]												
Wet (32%)	14,989	17,735	36,959	52,229	58,650	49,129	35,517	25,851	21,781	19,164	13,990	12,814
Above Normal (15%)	14,412	12,610	23,228	39,658	46,546	43,982	24,315	21,163	20,262	19,930	14,541	12,451
Below Normal (17%)	13,927	11,017	17,896	22,355	30,749	22,226	18,259	15,411	16,701	17,345	12,755	10,261
Dry (22%)	12,820	11,125	16,111	17,809	21,036	19,883	14,150	13,577	13,021	13,785	10,381	9,170
Critical (15%)	13,814	8,928	11,569	14,022	14,009	13,292	10,954	8,312	10,163	12,055	8,392	8,766

Alternative 3 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	5,508	3	**-747**	**-427**	210	**-1,968**	**-3,546**	**-458**	5,692	**-1,962**	**-1,331**	**-15,230**
20%	4,350	**-3,360**	**-1,583**	**-1,077**	**-2,378**	**-3,231**	**-4,840**	1,802	4,585	**-3,197**	**-3,083**	**-14,371**
30%	3,324	**-4,178**	396	**-1,166**	**-1,621**	**-2,968**	**-445**	3,428	3,329	**-4,032**	**-3,569**	**-11,729**
40%	1,884	**-3,619**	718	**-635**	**-1,258**	**-3,124**	120	3,670	2,992	**-3,911**	**-3,656**	**-10,888**
50%	1,792	**-3,105**	1,207	**-165**	**-4,349**	**-491**	1,072	2,421	2,511	**-4,127**	**-3,850**	**-2,457**
60%	1,966	**-1,779**	1,260	147	**-1,017**	**-631**	1,898	1,891	1,693	**-4,568**	**-3,870**	**-648**
70%	1,081	**-185**	987	**-431**	1,900	585	1,722	1,305	**-41**	**-4,690**	**-3,704**	491
80%	76	**-150**	1,466	31	**-83**	175	512	1,533	**-125**	**-4,558**	**-4,245**	591
90%	**-233**	549	610	359	292	323	803	115	**-258**	**-2,711**	**-1,220**	104
Long Term												
Full Simulation Period[a]	2,218	**-1,593**	614	**-354**	**-702**	**-1,046**	**-246**	1,700	1,970	**-3,276**	**-2,790**	**-5,925**
Water Year Types[b]												
Wet (32%)	1,634	**-1,573**	**-28**	**-487**	**-1,103**	**-1,882**	**-2,071**	1,237	2,974	**-2,480**	**-2,222**	**-14,495**
Above Normal (15%)	2,475	**-3,362**	606	**-682**	**-1,132**	**-1,140**	**-677**	2,391	3,997	**-3,015**	**-3,094**	**-8,652**
Below Normal (17%)	1,719	**-2,077**	1,188	**-220**	**-773**	**-718**	1,059	2,880	2,589	**-3,390**	**-3,627**	**-2,138**
Dry (22%)	2,248	**-839**	926	405	**-47**	**-794**	1,171	2,019	139	**-5,397**	**-4,117**	457
Critical (15%)	3,763	**-437**	875	**-1,033**	**-302**	102	494	156	**-206**	**-1,948**	**-751**	1,379

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-20-17. Sacramento River at Freeport, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	14,520	20,933	48,723	65,933	70,538	64,077	49,290	34,057	18,835	24,508	18,024	29,045
20%	13,547	17,929	34,308	58,498	65,197	55,065	37,063	22,075	16,545	24,006	17,293	26,992
30%	13,136	16,559	22,188	40,921	51,209	43,781	23,035	15,989	15,632	23,370	16,788	23,595
40%	12,921	15,186	18,361	27,468	44,426	32,715	20,117	12,751	14,648	22,549	16,393	21,918
50%	12,316	14,012	15,967	22,991	34,267	25,193	15,145	12,049	13,752	21,553	15,960	12,912
60%	11,349	12,014	14,434	20,308	24,198	21,452	12,276	11,371	13,439	20,296	15,441	10,782
70%	10,225	9,917	13,741	17,513	18,833	18,890	11,546	11,024	12,865	18,346	14,345	9,219
80%	9,117	8,522	11,963	13,741	15,997	15,259	11,288	9,850	12,103	16,208	13,211	8,105
90%	7,641	7,513	9,061	12,265	12,542	11,743	10,225	8,840	11,110	12,429	9,280	7,714
Long Term												
Full Simulation Period[a]	11,857	14,692	22,789	32,496	38,028	33,164	22,892	16,422	15,098	20,020	15,039	16,857
Water Year Types[b]												
Wet (32%)	13,355	19,308	36,987	52,716	59,754	51,011	37,588	24,615	18,807	21,644	16,212	27,309
Above Normal (15%)	11,937	15,972	22,622	40,339	47,678	45,122	24,993	18,772	16,266	22,945	17,635	21,102
Below Normal (17%)	12,208	13,094	16,708	22,575	31,522	22,944	17,199	12,531	14,112	20,734	16,382	12,399
Dry (22%)	10,572	11,964	15,185	17,404	21,083	20,677	12,978	11,558	12,882	19,182	14,498	8,713
Critical (15%)	10,051	9,364	10,694	15,056	14,311	13,190	10,460	8,156	10,369	14,003	9,143	7,386

Alternative 4 H1 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	15,198	20,787	49,127	66,716	70,748	62,101	45,725	33,975	23,997	24,341	18,021	13,793
20%	14,183	14,372	32,975	57,602	62,970	51,955	32,231	23,829	23,073	23,530	16,637	12,675
30%	13,554	12,455	21,754	38,957	50,153	41,290	22,629	19,492	20,924	21,911	15,073	12,096
40%	12,638	11,315	18,458	26,931	44,080	29,600	20,293	14,866	19,556	20,272	13,653	11,254
50%	11,965	10,628	16,660	22,600	29,965	24,425	15,723	13,633	17,568	18,551	12,846	10,792
60%	11,180	9,948	14,861	20,109	23,039	20,849	13,558	12,716	15,768	16,781	12,043	10,274
70%	10,948	9,391	13,529	17,286	20,875	18,664	12,616	11,554	13,956	14,909	11,271	9,862
80%	9,961	8,533	12,600	13,901	15,919	15,138	11,438	10,715	12,653	12,606	10,312	9,207
90%	8,182	7,487	9,458	12,322	12,387	11,770	10,683	8,682	10,894	10,237	8,469	8,037
Long Term												
Full Simulation Period[a]	12,033	12,898	23,067	32,013	37,355	32,040	22,326	17,632	17,994	18,062	13,303	11,138
Water Year Types[b]												
Wet (32%)	12,962	17,353	37,097	52,108	58,857	48,981	35,473	25,285	22,358	20,577	14,572	12,767
Above Normal (15%)	11,948	12,817	22,206	40,038	47,178	44,403	23,971	20,652	21,112	22,376	15,965	12,239
Below Normal (17%)	12,141	11,080	17,584	21,537	31,125	22,107	17,625	14,687	18,746	18,863	14,300	10,591
Dry (22%)	11,228	10,722	15,165	16,964	20,203	19,597	13,688	13,109	14,159	15,523	11,773	9,976
Critical (15%)	11,187	8,713	11,783	15,245	13,940	13,223	10,640	8,253	10,293	11,173	9,022	8,889

Alternative 4 H1 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	678	-145	405	783	210	-1,975	-3,564	-82	5,162	-167	-4	-15,252
20%	636	-3,557	-1,334	-896	-2,227	-3,110	-4,832	1,755	6,528	-476	-656	-14,317
30%	418	-4,104	-434	-1,964	-1,056	-2,491	-405	3,503	5,291	-1,459	-1,716	-11,499
40%	-283	-3,870	97	-537	-346	-3,115	176	2,115	4,907	-2,278	-2,740	-10,664
50%	-350	-3,384	693	-391	-4,302	-768	577	1,584	3,816	-3,002	-3,113	-2,119
60%	-170	-2,066	427	-199	-1,159	-603	1,282	1,346	2,330	-3,515	-3,398	-507
70%	723	-525	-212	-227	2,042	-226	1,070	530	1,091	-3,438	-3,074	643
80%	844	12	637	160	-78	-121	150	865	551	-3,602	-2,899	1,102
90%	541	-26	397	57	-156	27	458	-158	-216	-2,192	-811	322
Long Term												
Full Simulation Period[a]	176	-1,793	278	-483	-673	-1,124	-566	1,211	2,896	-1,958	-1,736	-5,719
Water Year Types[b]												
Wet (32%)	-394	-1,954	109	-608	-897	-2,030	-2,115	670	3,551	-1,067	-1,640	-14,541
Above Normal (15%)	11	-3,155	-416	-301	-501	-719	-1,022	1,880	4,847	-569	-1,670	-8,864
Below Normal (17%)	-66	-2,015	876	-1,038	-396	-837	425	2,157	4,634	-1,871	-2,082	-1,808
Dry (22%)	656	-1,242	-20	-440	-880	-1,080	709	1,551	1,277	-3,659	-2,725	1,263
Critical (15%)	1,137	-651	1,089	189	-371	33	180	97	-75	-2,830	-121	1,503

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-20-18. Sacramento River at Freeport, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	14,520	20,933	48,723	65,933	70,538	64,077	49,290	34,057	18,835	24,508	18,024	29,045
20%	13,547	17,929	34,308	58,498	65,197	55,065	37,063	22,075	16,545	24,006	17,293	26,992
30%	13,136	16,559	22,188	40,921	51,209	43,781	23,035	15,989	15,632	23,370	16,788	23,595
40%	12,921	15,186	18,361	27,468	44,426	32,715	20,117	12,751	14,648	22,549	16,393	21,918
50%	12,316	14,012	15,967	22,991	34,267	25,193	15,145	12,049	13,752	21,553	15,960	12,912
60%	11,349	12,014	14,434	20,308	24,198	21,452	12,276	11,371	13,439	20,296	15,441	10,782
70%	10,225	9,917	13,741	17,513	18,833	18,890	11,546	11,024	12,865	18,346	14,345	9,219
80%	9,117	8,522	11,963	13,741	15,997	15,259	11,288	9,850	12,103	16,208	13,211	8,105
90%	7,641	7,513	9,061	12,265	12,542	11,743	10,225	8,840	11,110	12,429	9,280	7,714
Long Term												
Full Simulation Period[a]	11,857	14,692	22,789	32,496	38,028	33,164	22,892	16,422	15,098	20,020	15,039	16,857
Water Year Types[b]												
Wet (32%)	13,355	19,308	36,987	52,716	59,754	51,011	37,588	24,615	18,807	21,644	16,212	27,309
Above Normal (15%)	11,937	15,972	22,622	40,339	47,678	45,122	24,993	18,772	16,266	22,945	17,635	21,102
Below Normal (17%)	12,208	13,094	16,708	22,575	31,522	22,944	17,199	12,531	14,112	20,734	16,382	12,399
Dry (22%)	10,572	11,964	15,185	17,404	21,083	20,677	12,978	11,558	12,882	19,182	14,498	8,713
Critical (15%)	10,051	9,364	10,694	15,056	14,311	13,190	10,460	8,156	10,369	14,003	9,143	7,386

Alternative 4 H2 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	15,672	20,772	51,919	67,219	71,213	62,854	45,738	34,749	23,557	21,569	16,513	14,078
20%	14,470	14,318	33,163	56,499	62,853	51,907	33,342	23,812	17,896	20,970	15,552	12,978
30%	13,755	12,274	21,816	40,118	51,167	39,186	27,112	21,183	16,988	19,944	14,787	12,142
40%	12,788	11,202	18,599	28,748	43,701	29,908	24,786	17,393	15,612	18,412	14,192	11,428
50%	11,743	10,498	15,971	22,898	30,573	25,159	21,941	14,773	13,559	17,413	13,016	10,821
60%	10,905	10,067	14,494	19,402	22,918	20,720	15,990	12,646	12,812	16,758	12,359	10,343
70%	10,113	9,337	12,307	17,197	19,402	18,368	11,963	11,585	11,990	14,683	11,745	9,915
80%	9,388	8,482	10,597	14,327	15,343	15,135	11,132	10,453	11,428	13,341	10,313	9,534
90%	8,091	7,620	9,475	12,867	11,642	11,518	10,166	8,691	10,048	9,769	8,242	8,379
Long Term												
Full Simulation Period[a]	11,899	13,021	22,833	32,217	37,391	32,016	24,157	18,294	15,512	16,883	12,974	11,324
Water Year Types[b]												
Wet (32%)	12,818	17,616	38,057	51,968	58,557	49,060	38,231	27,313	19,096	18,497	13,412	12,833
Above Normal (15%)	11,875	12,760	20,875	40,391	47,418	43,707	27,350	21,792	15,914	18,727	15,187	11,497
Below Normal (17%)	11,634	11,313	16,764	22,091	31,778	22,458	21,256	14,564	15,910	17,942	14,136	11,355
Dry (22%)	10,852	10,765	14,619	17,458	20,151	19,656	13,197	12,578	13,511	15,939	12,564	10,243
Critical (15%)	11,814	8,702	11,210	15,204	13,913	13,088	10,292	8,182	9,885	11,725	9,072	9,468

Alternative 4 H2 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,152	-161	3,197	1,287	675	-1,223	-3,551	693	4,723	-2,939	-1,511	-14,968
20%	923	-3,611	-1,145	-2,000	-2,344	-3,158	-3,721	1,738	1,350	-3,035	-1,741	-14,014
30%	619	-4,285	-372	-803	-42	-4,595	4,077	5,195	1,356	-3,426	-2,002	-11,454
40%	-133	-3,984	238	1,280	-725	-2,808	4,669	4,642	963	-4,137	-2,201	-10,490
50%	-573	-3,515	4	-93	-3,694	-35	6,796	2,724	-192	-4,139	-2,944	-2,091
60%	-445	-1,947	59	-906	-1,280	-733	3,714	1,276	-626	-3,537	-3,082	-438
70%	-112	-580	-1,434	-316	569	-522	417	561	-875	-3,663	-2,600	696
80%	271	-40	-1,366	586	-654	-123	-157	603	-674	-2,867	-2,899	1,429
90%	450	107	414	602	-900	-225	-59	-149	-1,062	-2,660	-1,038	665
Long Term												
Full Simulation Period[a]	42	-1,671	44	-279	-637	-1,148	1,265	1,873	414	-3,137	-2,065	-5,533
Water Year Types[b]												
Wet (32%)	-537	-1,692	1,070	-748	-1,196	-1,951	643	2,698	289	-3,147	-2,800	-14,476
Above Normal (15%)	-62	-3,212	-1,747	51	-261	-1,415	2,358	3,021	-352	-4,218	-2,448	-9,606
Below Normal (17%)	-574	-1,782	56	-484	256	-486	4,057	2,034	1,798	-2,793	-2,246	-1,044
Dry (22%)	280	-1,199	-566	54	-932	-1,021	218	1,020	629	-3,243	-1,934	1,530
Critical (15%)	1,763	-662	516	148	-398	-102	-168	26	-484	-2,278	-72	2,082

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-20-19. Sacramento River at Freeport, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	14,520	20,933	48,723	65,933	70,538	64,077	49,290	34,057	18,835	24,508	18,024	29,045
20%	13,547	17,929	34,308	58,498	65,197	55,065	37,063	22,075	16,545	24,006	17,293	26,992
30%	13,136	16,559	22,188	40,921	51,209	43,781	23,035	15,989	15,632	23,370	16,788	23,595
40%	12,921	15,186	18,361	27,468	44,426	32,715	20,117	12,751	14,648	22,549	16,393	21,918
50%	12,316	14,012	15,967	22,991	34,267	25,193	15,145	12,049	13,752	21,553	15,960	12,912
60%	11,349	12,014	14,434	20,308	24,198	21,452	12,276	11,371	13,439	20,296	15,441	10,782
70%	10,225	9,917	13,741	17,513	18,833	18,890	11,546	11,024	12,865	18,346	14,345	9,219
80%	9,117	8,522	11,963	13,741	15,997	15,259	11,288	9,850	12,103	16,208	13,211	8,105
90%	7,641	7,513	9,061	12,265	12,542	11,743	10,225	8,840	11,110	12,429	9,280	7,714
Long Term												
Full Simulation Period[a]	11,857	14,692	22,789	32,496	38,028	33,164	22,892	16,422	15,098	20,020	15,039	16,857
Water Year Types[b]												
Wet (32%)	13,355	19,308	36,987	52,716	59,754	51,011	37,588	24,615	18,807	21,644	16,212	27,309
Above Normal (15%)	11,937	15,972	22,622	40,339	47,678	45,122	24,993	18,772	16,266	22,945	17,635	21,102
Below Normal (17%)	12,208	13,094	16,708	22,575	31,522	22,944	17,199	12,531	14,112	20,734	16,382	12,399
Dry (22%)	10,572	11,964	15,185	17,404	21,083	20,677	12,978	11,558	12,882	19,182	14,498	8,713
Critical (15%)	10,051	9,364	10,694	15,056	14,311	13,190	10,460	8,156	10,369	14,003	9,143	7,386

Alternative 4 H3 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	14,961	20,481	47,114	65,109	70,478	62,099	45,720	33,673	24,086	24,135	17,696	27,249
20%	13,813	14,880	31,652	56,986	63,420	51,636	32,225	23,965	23,239	23,464	16,614	25,457
30%	13,113	14,515	20,790	39,247	48,812	39,937	22,611	20,088	21,190	21,769	14,502	22,253
40%	12,441	12,633	18,001	24,888	43,168	29,230	20,046	15,076	19,523	20,491	13,500	17,197
50%	11,859	11,952	15,874	21,948	30,009	23,697	16,021	13,530	17,586	18,805	12,375	12,310
60%	11,385	10,872	14,357	18,894	23,192	20,648	13,213	12,595	15,520	16,650	12,036	10,198
70%	10,858	9,812	13,603	15,758	19,264	18,403	12,191	11,809	13,276	14,532	11,385	9,426
80%	9,283	8,331	12,426	13,741	15,532	15,490	11,204	10,690	12,151	12,743	10,143	8,752
90%	8,158	7,141	9,440	12,471	12,363	11,464	10,699	8,674	10,941	10,389	8,373	7,775
Long Term												
Full Simulation Period[a]	11,862	13,483	22,156	31,296	37,070	31,666	22,231	17,669	17,959	18,084	13,157	15,923
Water Year Types[b]												
Wet (32%)	13,031	17,903	35,182	51,332	58,619	48,787	35,365	25,325	22,530	20,754	14,696	25,642
Above Normal (15%)	12,179	13,912	21,806	38,336	46,604	43,357	23,884	20,924	21,228	22,447	15,875	18,499
Below Normal (17%)	11,787	11,833	16,645	20,995	30,339	21,357	17,574	14,728	18,161	19,322	14,334	10,023
Dry (22%)	10,900	11,226	14,923	16,506	20,283	19,565	13,571	13,027	14,192	14,736	11,232	9,464
Critical (15%)	10,539	8,788	11,565	15,045	13,878	13,061	10,546	8,218	10,200	11,510	8,621	8,858

Alternative 4 H3 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	440	-452	-1,609	-824	-60	-1,978	-3,570	-384	5,251	-373	-328	-1,797
20%	266	-3,049	-2,657	-1,512	-1,777	-3,429	-4,838	1,890	6,694	-541	-680	-1,535
30%	-23	-2,044	-1,398	-1,674	-2,397	-3,844	-424	4,099	5,558	-1,601	-2,286	-1,343
40%	-480	-2,552	-361	-2,581	-1,258	-3,486	-71	2,326	4,874	-2,058	-2,894	-4,721
50%	-457	-2,060	-93	-1,043	-4,258	-1,496	876	1,480	3,834	-2,748	-3,584	-601
60%	36	-1,142	-78	-1,414	-1,007	-804	937	1,225	2,081	-3,645	-3,404	-583
70%	633	-105	-138	-1,755	431	-488	645	785	411	-3,815	-2,960	208
80%	166	-191	463	-1	-465	232	-85	840	48	-3,465	-3,068	647
90%	517	-372	379	206	-180	-278	474	-166	-169	-2,040	-908	61
Long Term												
Full Simulation Period[a]	4	-1,209	-633	-1,200	-958	-1,497	-661	1,247	2,861	-1,937	-1,881	-935
Water Year Types[b]												
Wet (32%)	-324	-1,405	-1,805	-1,384	-1,134	-2,224	-2,223	711	3,723	-889	-1,516	-1,666
Above Normal (15%)	242	-2,060	-815	-2,003	-1,075	-1,766	-1,109	2,153	4,962	-498	-1,760	-2,604
Below Normal (17%)	-421	-1,261	-63	-1,580	-1,182	-1,587	375	2,198	4,049	-1,413	-2,048	-2,376
Dry (22%)	328	-738	-262	-897	-800	-1,112	592	1,469	1,310	-4,446	-3,266	751
Critical (15%)	489	-576	871	-11	-434	-129	86	62	-169	-2,493	-523	1,471

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-20-20. Sacramento River at Freeport, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	14,520	20,933	48,723	65,933	70,538	64,077	49,290	34,057	18,835	24,508	18,024	29,045
20%	13,547	17,929	34,308	58,498	65,197	55,065	37,063	22,075	16,545	24,006	17,293	26,992
30%	13,136	16,559	22,188	40,921	51,209	43,781	23,035	15,989	15,632	23,370	16,788	23,595
40%	12,921	15,186	18,361	27,468	44,426	32,715	20,117	12,751	14,648	22,549	16,393	21,918
50%	12,316	14,012	15,967	22,991	34,267	25,193	15,145	12,049	13,752	21,553	15,960	12,912
60%	11,349	12,014	14,434	20,308	24,198	21,452	12,276	11,371	13,439	20,296	15,441	10,782
70%	10,225	9,917	13,741	17,513	18,833	18,890	11,546	11,024	12,865	18,346	14,345	9,219
80%	9,117	8,522	11,963	13,741	15,997	15,259	11,288	9,850	12,103	16,208	13,211	8,105
90%	7,641	7,513	9,061	12,265	12,542	11,743	10,225	8,840	11,110	12,429	9,280	7,714
Long Term												
Full Simulation Period[a]	11,857	14,692	22,789	32,496	38,028	33,164	22,892	16,422	15,098	20,020	15,039	16,857
Water Year Types[b]												
Wet (32%)	13,355	19,308	36,987	52,716	59,754	51,011	37,588	24,615	18,807	21,644	16,212	27,309
Above Normal (15%)	11,937	15,972	22,622	40,339	47,678	45,122	24,993	18,772	16,266	22,945	17,635	21,102
Below Normal (17%)	12,208	13,094	16,708	22,575	31,522	22,944	17,199	12,531	14,112	20,734	16,382	12,399
Dry (22%)	10,572	11,964	15,185	17,404	21,083	20,677	12,978	11,558	12,882	19,182	14,498	8,713
Critical (15%)	10,051	9,364	10,694	15,056	14,311	13,190	10,460	8,156	10,369	14,003	9,143	7,386

Alternative 4 H4 (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	15,410	20,944	47,438	67,221	70,508	62,106	45,739	34,855	23,192	22,505	16,574	27,439
20%	13,639	15,045	30,679	55,009	62,867	51,586	33,359	23,948	19,220	20,706	15,471	25,314
30%	12,689	14,279	21,411	39,278	49,309	38,274	27,392	21,194	16,329	19,935	14,768	22,585
40%	12,086	12,637	18,079	26,057	43,379	29,677	24,786	16,712	15,217	18,412	14,123	18,230
50%	11,478	11,899	15,660	21,106	30,512	24,141	21,764	14,076	13,846	17,320	13,159	13,333
60%	11,149	11,182	13,996	18,134	22,876	20,427	14,983	12,477	12,861	15,531	12,211	10,632
70%	10,430	9,727	13,217	14,663	18,943	18,049	11,937	11,560	11,960	14,119	11,496	9,413
80%	9,280	8,425	10,539	13,497	15,379	15,050	10,966	10,481	11,227	12,918	10,185	8,978
90%	8,103	7,619	9,061	12,111	11,698	11,513	10,231	8,664	9,970	10,393	8,267	8,190
Long Term												
Full Simulation Period[a]	11,685	13,591	22,039	30,916	37,051	31,662	24,076	18,163	15,494	16,880	12,893	16,338
Water Year Types[b]												
Wet (32%)	12,815	17,994	35,745	50,819	58,286	48,940	38,200	27,278	19,100	19,155	13,489	26,036
Above Normal (15%)	12,466	14,320	21,205	38,220	46,706	42,766	27,423	21,787	16,152	18,837	14,533	18,466
Below Normal (17%)	11,279	11,865	16,382	21,244	30,710	21,606	20,814	14,206	16,248	18,018	13,938	10,122
Dry (22%)	10,442	11,218	14,622	16,263	20,199	19,580	13,156	12,315	13,006	14,856	12,536	10,332
Critical (15%)	10,796	8,896	10,904	13,755	14,060	12,978	10,313	8,181	9,875	11,701	9,281	9,458

Alternative 4 H4 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	890	11	**-1,285**	1,288	**-31**	**-1,971**	**-3,551**	798	4,358	**-2,003**	**-1,451**	**-1,606**
20%	93	**-2,884**	**-3,629**	**-3,490**	**-2,330**	**-3,478**	**-3,704**	1,873	2,675	**-3,300**	**-1,822**	**-1,678**
30%	**-447**	**-2,279**	**-777**	**-1,643**	**-1,900**	**-5,506**	4,357	5,205	697	**-3,436**	**-2,020**	**-1,010**
40%	**-835**	**-2,548**	**-282**	**-1,411**	**-1,046**	**-3,038**	4,668	3,961	569	**-4,138**	**-2,270**	**-3,687**
50%	**-838**	**-2,114**	**-308**	**-1,886**	**-3,755**	**-1,053**	6,619	2,027	94	**-4,232**	**-2,800**	421
60%	**-201**	**-833**	**-439**	**-2,174**	**-1,323**	**-1,025**	2,707	1,107	**-578**	**-4,764**	**-3,230**	**-150**
70%	205	**-190**	**-524**	**-2,849**	110	**-842**	391	535	**-905**	**-4,228**	**-2,849**	194
80%	164	**-96**	**-1,423**	**-244**	**-618**	**-209**	**-322**	631	**-876**	**-3,290**	**-3,026**	873
90%	462	106	0	**-154**	**-844**	**-230**	7	**-176**	**-1,139**	**-2,037**	**-1,014**	476
Long Term												
Full Simulation Period[a]	**-172**	**-1,100**	**-750**	**-1,580**	**-977**	**-1,502**	1,184	1,742	396	**-3,141**	**-2,145**	**-519**
Water Year Types[b]												
Wet (32%)	**-541**	**-1,314**	**-1,242**	**-1,897**	**-1,467**	**-2,071**	612	2,663	293	**-2,489**	**-2,723**	**-1,273**
Above Normal (15%)	529	**-1,652**	**-1,417**	**-2,119**	**-972**	**-2,356**	2,430	3,016	**-114**	**-4,108**	**-3,102**	**-2,636**
Below Normal (17%)	**-928**	**-1,229**	**-326**	**-1,331**	**-812**	**-1,338**	3,615	1,676	2,136	**-2,716**	**-2,444**	**-2,277**
Dry (22%)	**-130**	**-746**	**-564**	**-1,141**	**-884**	**-1,097**	178	757	124	**-4,326**	**-1,962**	1,619
Critical (15%)	745	**-468**	210	**-1,300**	**-252**	**-212**	**-147**	25	**-493**	**-2,302**	138	2,072

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-20-21. Sacramento River at Freeport, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	14,520	20,933	48,723	65,933	70,538	64,077	49,290	34,057	18,835	24,508	18,024	29,045
20%	13,547	17,929	34,308	58,498	65,197	55,065	37,063	22,075	16,545	24,006	17,293	26,992
30%	13,136	16,559	22,188	40,921	51,209	43,781	23,035	15,989	15,632	23,370	16,788	23,595
40%	12,921	15,186	18,361	27,468	44,426	32,715	20,117	12,751	14,648	22,549	16,393	21,918
50%	12,316	14,012	15,967	22,991	34,267	25,193	15,145	12,049	13,752	21,553	15,960	12,912
60%	11,349	12,014	14,434	20,308	24,198	21,452	12,276	11,371	13,439	20,296	15,441	10,782
70%	10,225	9,917	13,741	17,513	18,833	18,890	11,546	11,024	12,865	18,346	14,345	9,219
80%	9,117	8,522	11,963	13,741	15,997	15,259	11,288	9,850	12,103	16,208	13,211	8,105
90%	7,641	7,513	9,061	12,265	12,542	11,743	10,225	8,840	11,110	12,429	9,280	7,714
Long Term												
Full Simulation Period[a]	11,857	14,692	22,789	32,496	38,028	33,164	22,892	16,422	15,098	20,020	15,039	16,857
Water Year Types[b]												
Wet (32%)	13,355	19,308	36,987	52,716	59,754	51,011	37,588	24,615	18,807	21,644	16,212	27,309
Above Normal (15%)	11,937	15,972	22,622	40,339	47,678	45,122	24,993	18,772	16,266	22,945	17,635	21,102
Below Normal (17%)	12,208	13,094	16,708	22,575	31,522	22,944	17,199	12,531	14,112	20,734	16,382	12,399
Dry (22%)	10,572	11,964	15,185	17,404	21,083	20,677	12,978	11,558	12,882	19,182	14,498	8,713
Critical (15%)	10,051	9,364	10,694	15,056	14,311	13,190	10,460	8,156	10,369	14,003	9,143	7,386

Alternative 5 (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	16,423	20,426	42,651	65,826	70,405	62,103	45,726	33,598	21,672	24,967	19,480	25,640
20%	13,936	15,239	31,184	56,662	63,633	51,679	32,228	21,995	19,507	24,171	17,127	24,196
30%	13,514	14,291	20,861	39,253	48,699	40,695	22,532	17,678	18,245	23,515	16,472	21,838
40%	13,087	13,200	17,779	25,057	41,782	29,523	19,892	13,843	17,439	22,763	15,157	15,808
50%	12,216	12,070	15,839	21,814	29,908	23,715	15,807	12,903	16,927	21,776	13,579	9,971
60%	11,550	11,468	14,646	19,227	23,118	20,550	13,377	12,172	15,969	19,938	12,254	9,171
70%	11,142	9,723	14,230	15,658	18,973	18,510	12,248	11,412	14,020	17,745	10,309	8,822
80%	9,021	8,338	12,557	13,491	15,432	15,136	11,168	10,297	12,300	15,009	8,557	8,126
90%	7,352	7,504	9,444	12,372	12,558	11,734	10,582	8,699	11,065	10,644	7,995	7,864
Long Term												
Full Simulation Period[a]	12,368	13,589	22,105	31,316	36,991	31,758	22,224	16,966	16,843	19,769	13,496	15,069
Water Year Types[b]												
Wet (32%)	13,226	18,126	34,936	51,769	58,589	48,942	35,380	24,745	21,205	22,270	15,273	24,772
Above Normal (15%)	12,818	13,979	21,907	38,009	46,235	43,566	23,841	19,722	18,566	22,781	17,168	17,004
Below Normal (17%)	13,608	11,624	16,460	21,346	29,752	21,449	17,405	13,329	16,802	21,739	15,216	9,413
Dry (22%)	10,828	11,486	15,422	16,303	20,605	19,540	13,437	12,686	13,943	17,527	10,688	8,526
Critical (15%)	10,922	8,815	11,112	14,456	13,975	13,072	10,907	8,020	10,065	12,402	8,182	8,525

Alternative 5 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1,903	**-506**	**-6,071**	**-106**	**-133**	**-1,973**	**-3,564**	**-458**	2,837	459	1,456	**-3,406**
20%	390	**-2,690**	**-3,124**	**-1,837**	**-1,564**	**-3,385**	**-4,835**	**-80**	2,961	165	**-166**	**-2,796**
30%	378	**-2,268**	**-1,327**	**-1,668**	**-2,510**	**-3,086**	**-503**	1,689	2,613	145	**-317**	**-1,758**
40%	166	**-1,985**	**-583**	**-2,412**	**-2,644**	**-3,192**	**-225**	1,092	2,791	214	**-1,237**	**-6,110**
50%	**-100**	**-1,942**	**-128**	**-1,177**	**-4,358**	**-1,479**	662	854	3,175	224	**-2,381**	**-2,941**
60%	200	**-546**	211	**-1,081**	**-1,080**	**-902**	1,101	802	2,530	**-357**	**-3,187**	**-1,611**
70%	917	**-194**	489	**-1,854**	140	**-380**	702	388	1,155	**-601**	**-4,035**	**-397**
80%	**-96**	**-183**	594	**-250**	**-565**	**-123**	**-120**	447	198	**-1,199**	**-4,654**	21
90%	**-289**	**-9**	383	107	15	**-9**	357	**-140**	**-45**	**-1,786**	**-1,285**	150
Long Term												
Full Simulation Period[a]	511	**-1,103**	**-684**	**-1,180**	**-1,037**	**-1,406**	**-667**	544	1,745	**-251**	**-1,542**	**-1,788**
Water Year Types[b]												
Wet (32%)	**-129**	**-1,182**	**-2,051**	**-947**	**-1,165**	**-2,069**	**-2,208**	131	2,398	626	**-940**	**-2,536**
Above Normal (15%)	881	**-1,993**	**-715**	**-2,331**	**-1,444**	**-1,556**	**-1,152**	950	2,301	**-164**	**-467**	**-4,099**
Below Normal (17%)	1,400	**-1,470**	**-248**	**-1,229**	**-1,770**	**-1,495**	206	798	2,690	1,005	**-1,166**	**-2,986**
Dry (22%)	256	**-478**	237	**-1,100**	**-478**	**-1,137**	459	1,128	1,062	**-1,655**	**-3,810**	**-187**
Critical (15%)	871	**-549**	418	**-600**	**-337**	**-118**	447	**-136**	**-304**	**-1,601**	**-962**	1,139

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-20-22. Sacramento River at Freeport, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	14,520	20,933	48,723	65,933	70,538	64,077	49,290	34,057	18,835	24,508	18,024	29,045
20%	13,547	17,929	34,308	58,498	65,197	55,065	37,063	22,075	16,545	24,006	17,293	26,992
30%	13,136	16,559	22,188	40,921	51,209	43,781	23,035	15,989	15,632	23,370	16,788	23,595
40%	12,921	15,186	18,361	27,468	44,426	32,715	20,117	12,751	14,648	22,549	16,393	21,918
50%	12,316	14,012	15,967	22,991	34,267	25,193	15,145	12,049	13,752	21,553	15,960	12,912
60%	11,349	12,014	14,434	20,308	24,198	21,452	12,276	11,371	13,439	20,296	15,441	10,782
70%	10,225	9,917	13,741	17,513	18,833	18,890	11,546	11,024	12,865	18,346	14,345	9,219
80%	9,117	8,522	11,963	13,741	15,997	15,259	11,288	9,850	12,103	16,208	13,211	8,105
90%	7,641	7,513	9,061	12,265	12,542	11,743	10,225	8,840	11,110	12,429	9,280	7,714
Long Term												
Full Simulation Period[a]	11,857	14,692	22,789	32,496	38,028	33,164	22,892	16,422	15,098	20,020	15,039	16,857
Water Year Types[b]												
Wet (32%)	13,355	19,308	36,987	52,716	59,754	51,011	37,588	24,615	18,807	21,644	16,212	27,309
Above Normal (15%)	11,937	15,972	22,622	40,339	47,678	45,122	24,993	18,772	16,266	22,945	17,635	21,102
Below Normal (17%)	12,208	13,094	16,708	22,575	31,522	22,944	17,199	12,531	14,112	20,734	16,382	12,399
Dry (22%)	10,572	11,964	15,185	17,404	21,083	20,677	12,978	11,558	12,882	19,182	14,498	8,713
Critical (15%)	10,051	9,364	10,694	15,056	14,311	13,190	10,460	8,156	10,369	14,003	9,143	7,386

Alternative 6A,6B,6C (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	14,248	20,539	48,721	65,721	70,551	62,324	45,765	33,924	23,991	22,340	17,965	23,764
20%	13,647	15,126	32,823	57,755	62,982	51,626	32,232	24,084	19,766	21,328	16,410	21,804
30%	12,834	14,304	21,494	41,143	49,329	41,875	22,539	18,416	16,098	20,196	15,266	18,551
40%	12,378	13,179	17,932	25,464	42,438	29,648	20,076	12,485	14,399	19,307	14,669	16,335
50%	11,717	11,965	15,615	21,976	30,185	24,226	15,363	11,704	12,847	18,352	14,009	14,449
60%	11,012	11,247	13,564	18,550	23,611	20,713	12,541	10,987	11,439	17,636	13,338	12,904
70%	10,234	10,628	11,689	14,751	18,816	18,406	11,299	10,233	10,955	15,814	12,953	11,676
80%	9,525	9,809	10,069	13,507	16,067	15,168	10,260	9,350	10,518	14,353	11,691	10,686
90%	8,029	8,465	8,712	11,793	12,193	10,976	9,359	8,172	9,226	13,339	11,071	10,216
Long Term												
Full Simulation Period[a]	11,504	13,931	21,993	31,468	37,295	31,868	21,725	16,729	15,017	18,003	14,234	15,583
Water Year Types[b]												
Wet (32%)	13,047	18,220	36,382	52,118	58,561	49,074	35,385	25,606	19,644	20,215	15,899	22,285
Above Normal (15%)	10,649	14,448	21,325	39,231	47,469	44,272	23,891	19,358	17,043	20,188	15,481	17,344
Below Normal (17%)	11,762	12,213	15,693	21,039	30,547	21,608	16,463	12,682	14,151	19,347	15,595	13,461
Dry (22%)	10,683	11,783	14,345	16,595	20,195	19,759	12,562	11,107	11,330	15,472	12,805	11,460
Critical (15%)	9,945	9,348	10,306	13,444	14,567	12,315	9,846	8,021	9,510	13,254	9,931	7,962

Alternative 6A,6B,6C (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-273	-393	-1	-212	12	-1,753	-3,525	-132	5,156	-2,168	-59	-5,281
20%	100	-2,803	-1,486	-744	-2,215	-3,439	-4,831	2,009	3,221	-2,678	-883	-5,188
30%	-302	-2,255	-694	221	-1,880	-1,906	-495	2,427	466	-3,174	-1,522	-5,045
40%	-542	-2,007	-430	-2,004	-1,987	-3,068	-41	-265	-249	-3,242	-1,724	-5,582
50%	-599	-2,047	-353	-1,015	-4,082	-967	218	-345	-905	-3,201	-1,950	1,537
60%	-337	-767	-870	-1,759	-587	-740	265	-384	-2,000	-2,660	-2,103	2,122
70%	9	711	-2,052	-2,762	-17	-484	-247	-792	-1,910	-2,532	-1,392	2,457
80%	408	1,288	-1,894	-234	70	-90	-1,028	-499	-1,585	-1,855	-1,520	2,581
90%	388	952	-349	-472	-350	-767	-866	-668	-1,883	910	1,791	2,502
Long Term												
Full Simulation Period[a]	-354	-760	-796	-1,028	-733	-1,296	-1,167	307	-81	-2,017	-805	-1,274
Water Year Types[b]												
Wet (32%)	-309	-1,087	-605	-598	-1,192	-1,936	-2,203	991	837	-1,429	-313	-5,023
Above Normal (15%)	-1,288	-1,524	-1,297	-1,109	-210	-850	-1,102	586	777	-2,757	-2,154	-3,758
Below Normal (17%)	-445	-881	-1,015	-1,536	-975	-1,337	-736	152	38	-1,387	-787	1,061
Dry (22%)	111	-181	-841	-809	-888	-918	-416	-451	-1,552	-3,710	-1,693	2,747
Critical (15%)	-106	-17	-388	-1,612	256	-875	-614	-135	-858	-749	788	575

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-20-23. Sacramento River at Freeport, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	14,520	20,933	48,723	65,933	70,538	64,077	49,290	34,057	18,835	24,508	18,024	29,045
20%	13,547	17,929	34,308	58,498	65,197	55,065	37,063	22,075	16,545	24,006	17,293	26,992
30%	13,136	16,559	22,188	40,921	51,209	43,781	23,035	15,989	15,632	23,370	16,788	23,595
40%	12,921	15,186	18,361	27,468	44,426	32,715	20,117	12,751	14,648	22,549	16,393	21,918
50%	12,316	14,012	15,967	22,991	34,267	25,193	15,145	12,049	13,752	21,553	15,960	12,912
60%	11,349	12,014	14,434	20,308	24,198	21,452	12,276	11,371	13,439	20,296	15,441	10,782
70%	10,225	9,917	13,741	17,513	18,833	18,890	11,546	11,024	12,865	18,346	14,345	9,219
80%	9,117	8,522	11,963	13,741	15,997	15,259	11,288	9,850	12,103	16,208	13,211	8,105
90%	7,641	7,513	9,061	12,265	12,542	11,743	10,225	8,840	11,110	12,429	9,280	7,714
Long Term												
Full Simulation Period[a]	11,857	14,692	22,789	32,496	38,028	33,164	22,892	16,422	15,098	20,020	15,039	16,857
Water Year Types[b]												
Wet (32%)	13,355	19,308	36,987	52,716	59,754	51,011	37,588	24,615	18,807	21,644	16,212	27,309
Above Normal (15%)	11,937	15,972	22,622	40,339	47,678	45,122	24,993	18,772	16,266	22,945	17,635	21,102
Below Normal (17%)	12,208	13,094	16,708	22,575	31,522	22,944	17,199	12,531	14,112	20,734	16,382	12,399
Dry (22%)	10,572	11,964	15,185	17,404	21,083	20,677	12,978	11,558	12,882	19,182	14,498	8,713
Critical (15%)	10,051	9,364	10,694	15,056	14,311	13,190	10,460	8,156	10,369	14,003	9,143	7,386

Alternative 7 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	14,436	21,019	45,610	65,541	70,560	61,667	48,185	34,046	22,031	24,726	18,765	26,931
20%	13,582	15,368	30,819	56,370	62,669	50,423	34,422	23,354	19,386	23,604	16,848	25,746
30%	13,262	14,293	21,123	38,986	48,337	39,062	22,818	18,185	17,921	22,279	15,461	21,065
40%	12,988	13,367	17,763	24,901	41,493	28,854	20,315	12,432	16,558	21,580	14,060	17,462
50%	12,452	12,096	15,502	21,882	28,971	24,267	14,863	11,465	14,912	19,487	13,107	11,264
60%	11,967	11,229	13,650	18,957	22,871	20,369	12,237	11,095	12,703	18,139	12,459	9,937
70%	11,308	10,563	11,813	14,713	18,722	18,575	11,339	10,334	11,900	16,343	12,088	9,206
80%	10,520	9,902	10,017	13,371	16,103	15,231	10,344	9,360	11,637	14,805	10,755	8,464
90%	8,705	8,933	8,896	11,866	12,206	11,058	9,435	8,802	11,540	12,905	10,626	7,518
Long Term												
Full Simulation Period[a]	12,115	13,994	21,526	30,996	36,912	31,397	22,100	16,749	16,160	19,159	14,032	15,687
Water Year Types[b]												
Wet (32%)	13,516	18,293	35,223	51,333	58,112	48,339	36,461	25,163	20,835	20,939	14,815	25,710
Above Normal (15%)	11,862	14,482	20,752	38,447	46,605	42,752	24,205	20,047	18,722	22,566	15,977	18,055
Below Normal (17%)	11,851	12,328	15,665	20,868	30,100	21,898	16,486	12,382	14,669	21,037	16,125	10,256
Dry (22%)	11,415	11,808	14,200	16,201	20,066	19,402	12,443	10,884	11,997	17,127	12,215	9,112
Critical (15%)	10,691	9,413	10,447	13,489	14,502	12,413	9,917	9,114	11,454	12,754	10,674	7,801

Alternative 7 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-85	86	-3,112	-392	22	-2,409	-1,105	-11	3,196	218	740	-2,115
20%	35	-2,561	-3,489	-2,128	-2,528	-4,641	-2,641	1,279	2,841	-402	-445	-1,246
30%	126	-2,266	-1,064	-1,935	-2,872	-4,718	-217	2,196	2,289	-1,092	-1,327	-2,530
40%	67	-1,818	-599	-2,567	-2,933	-3,861	197	-319	1,909	-970	-2,333	-4,455
50%	136	-1,917	-466	-1,110	-5,296	-926	-282	-584	1,161	-2,066	-2,853	-1,648
60%	617	-785	-784	-1,351	-1,328	-1,084	-39	-276	-736	-2,156	-2,981	-844
70%	1,083	646	-1,928	-2,800	-112	-315	-207	-690	-965	-2,004	-2,257	-13
80%	1,403	1,381	-1,946	-371	106	-28	-944	-490	-465	-1,403	-2,456	359
90%	1,064	1,420	-165	-399	-336	-684	-790	-38	430	476	1,346	-196
Long Term												
Full Simulation Period[a]	258	-698	-1,263	-1,500	-1,116	-1,766	-792	327	1,062	-861	-1,007	-1,171
Water Year Types[b]												
Wet (32%)	161	-1,015	-1,765	-1,383	-1,642	-2,672	-1,127	549	2,027	-704	-1,397	-1,599
Above Normal (15%)	-75	-1,490	-1,870	-1,892	-1,074	-2,370	-788	1,275	2,457	-379	-1,658	-3,047
Below Normal (17%)	-356	-766	-1,043	-1,707	-1,422	-1,046	-713	-149	557	303	-257	-2,143
Dry (22%)	843	-156	-985	-1,203	-1,017	-1,275	-536	-674	-885	-2,055	-2,283	398
Critical (15%)	640	49	-246	-1,567	190	-777	-543	958	1,085	-1,249	1,531	415

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-20-24. Sacramento River at Freeport, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	14,520	20,933	48,723	65,933	70,538	64,077	49,290	34,057	18,835	24,508	18,024	29,045
20%	13,547	17,929	34,308	58,498	65,197	55,065	37,063	22,075	16,545	24,006	17,293	26,992
30%	13,136	16,559	22,188	40,921	51,209	43,781	23,035	15,989	15,632	23,370	16,788	23,595
40%	12,921	15,186	18,361	27,468	44,426	32,715	20,117	12,751	14,648	22,549	16,393	21,918
50%	12,316	14,012	15,967	22,991	34,267	25,193	15,145	12,049	13,752	21,553	15,960	12,912
60%	11,349	12,014	14,434	20,308	24,198	21,452	12,276	11,371	13,439	20,296	15,441	10,782
70%	10,225	9,917	13,741	17,513	18,833	18,890	11,546	11,024	12,865	18,346	14,345	9,219
80%	9,117	8,522	11,963	13,741	15,997	15,259	11,288	9,850	12,103	16,208	13,211	8,105
90%	7,641	7,513	9,061	12,265	12,542	11,743	10,225	8,840	11,110	12,429	9,280	7,714
Long Term												
Full Simulation Period[a]	11,857	14,692	22,789	32,496	38,028	33,164	22,892	16,422	15,098	20,020	15,039	16,857
Water Year Types[b]												
Wet (32%)	13,355	19,308	36,987	52,716	59,754	51,011	37,588	24,615	18,807	21,644	16,212	27,309
Above Normal (15%)	11,937	15,972	22,622	40,339	47,678	45,122	24,993	18,772	16,266	22,945	17,635	21,102
Below Normal (17%)	12,208	13,094	16,708	22,575	31,522	22,944	17,199	12,531	14,112	20,734	16,382	12,399
Dry (22%)	10,572	11,964	15,185	17,404	21,083	20,677	12,978	11,558	12,882	19,182	14,498	8,713
Critical (15%)	10,051	9,364	10,694	15,056	14,311	13,190	10,460	8,156	10,369	14,003	9,143	7,386

Alternative 8 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	12,944	20,278	47,771	67,478	70,333	64,268	52,494	36,887	24,492	14,838	11,095	22,278
20%	11,467	14,451	29,565	55,555	63,319	49,960	39,610	28,200	19,242	13,901	11,016	21,316
30%	10,433	13,656	21,064	41,194	50,361	40,153	30,786	25,387	16,012	13,493	10,972	18,581
40%	10,096	12,050	17,875	27,985	42,696	31,521	26,592	21,043	13,871	12,640	10,891	15,300
50%	9,553	11,436	15,264	23,869	32,123	27,299	24,549	19,122	12,517	12,113	10,710	9,180
60%	8,964	10,345	13,487	19,652	25,384	23,554	19,792	15,427	11,687	11,795	10,598	8,610
70%	8,428	9,637	11,507	16,009	22,220	21,656	17,684	13,707	11,502	11,263	10,510	8,086
80%	7,480	9,051	9,915	13,494	18,566	18,736	15,189	11,413	11,179	10,696	10,256	7,553
90%	6,025	7,798	8,360	11,416	12,576	14,396	12,107	9,253	10,566	10,362	8,898	7,390
Long Term												
Full Simulation Period[a]	9,754	13,185	21,476	32,416	38,562	33,712	27,679	21,256	15,406	12,580	10,479	13,294
Water Year Types[b]												
Wet (32%)	11,175	17,570	35,775	52,529	58,337	49,003	40,703	30,688	20,996	14,562	11,206	21,602
Above Normal (15%)	10,491	13,646	19,870	41,122	48,582	43,813	31,108	24,790	16,504	12,704	10,742	15,068
Below Normal (17%)	9,230	11,259	15,630	23,391	32,442	25,232	25,735	19,253	13,301	11,376	9,970	8,615
Dry (22%)	8,893	11,208	13,963	17,073	23,461	24,175	18,683	14,075	11,136	11,703	10,430	7,970
Critical (15%)	7,842	8,433	10,193	13,674	15,490	14,676	11,791	10,391	11,059	10,884	9,312	6,965

Alternative 8 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-1,577	-654	-952	1,545	-205	192	3,205	2,830	5,658	-9,670	-6,930	-6,768
20%	-2,080	-3,478	-4,743	-2,944	-1,877	-5,105	2,547	6,125	2,697	-10,105	-6,277	-5,676
30%	-2,703	-2,903	-1,124	272	-848	-3,628	7,751	9,398	379	-9,877	-5,816	-5,015
40%	-2,825	-3,136	-486	517	-1,729	-1,195	6,474	8,293	-777	-9,910	-5,502	-6,618
50%	-2,763	-2,576	-703	878	-2,144	2,106	9,403	7,073	-1,235	-9,439	-5,250	-3,731
60%	-2,386	-1,670	-948	-656	1,186	2,102	7,516	4,057	-1,751	-8,500	-4,842	-2,172
70%	-1,797	-280	-2,234	-1,504	3,387	2,766	6,138	2,683	-1,362	-7,084	-3,835	-1,133
80%	-1,637	529	-2,048	-247	2,569	3,478	3,900	1,564	-924	-5,512	-2,955	-552
90%	-1,616	285	-701	-849	34	2,653	1,882	413	-544	-2,067	-383	-324
Long Term												
Full Simulation Period[a]	-2,103	-1,507	-1,313	-80	535	548	4,787	4,834	308	-7,440	-4,559	-3,563
Water Year Types[b]												
Wet (32%)	-2,181	-1,738	-1,212	-187	-1,417	-2,007	3,115	6,073	2,189	-7,082	-5,006	-5,707
Above Normal (15%)	-1,446	-2,326	-2,752	783	904	-1,309	6,115	6,018	238	-10,241	-6,893	-6,034
Below Normal (17%)	-2,977	-1,836	-1,077	816	920	2,288	8,536	6,723	-811	-9,359	-6,412	-3,784
Dry (22%)	-1,679	-756	-1,223	-330	2,378	3,498	5,705	2,517	-1,745	-7,479	-4,068	-743
Critical (15%)	-2,209	-931	-501	-1,382	1,179	1,486	1,331	2,235	690	-3,119	169	-421

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-20-25. Sacramento River at Freeport, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	14,520	20,933	48,723	65,933	70,538	64,077	49,290	34,057	18,835	24,508	18,024	29,045
20%	13,547	17,929	34,308	58,498	65,197	55,065	37,063	22,075	16,545	24,006	17,293	26,992
30%	13,136	16,559	22,188	40,921	51,209	43,781	23,035	15,989	15,632	23,370	16,788	23,595
40%	12,921	15,186	18,361	27,468	44,426	32,715	20,117	12,751	14,648	22,549	16,393	21,918
50%	12,316	14,012	15,967	22,991	34,267	25,193	15,145	12,049	13,752	21,553	15,960	12,912
60%	11,349	12,014	14,434	20,308	24,198	21,452	12,276	11,371	13,439	20,296	15,441	10,782
70%	10,225	9,917	13,741	17,513	18,833	18,890	11,546	11,024	12,865	18,346	14,345	9,219
80%	9,117	8,522	11,963	13,741	15,997	15,259	11,288	9,850	12,103	16,208	13,211	8,105
90%	7,641	7,513	9,061	12,265	12,542	11,743	10,225	8,840	11,110	12,429	9,280	7,714
Long Term												
Full Simulation Period[a]	11,857	14,692	22,789	32,496	38,028	33,164	22,892	16,422	15,098	20,020	15,039	16,857
Water Year Types[b]												
Wet (32%)	13,355	19,308	36,987	52,716	59,754	51,011	37,588	24,615	18,807	21,644	16,212	27,309
Above Normal (15%)	11,937	15,972	22,622	40,339	47,678	45,122	24,993	18,772	16,266	22,945	17,635	21,102
Below Normal (17%)	12,208	13,094	16,708	22,575	31,522	22,944	17,199	12,531	14,112	20,734	16,382	12,399
Dry (22%)	10,572	11,964	15,185	17,404	21,083	20,677	12,978	11,558	12,882	19,182	14,498	8,713
Critical (15%)	10,051	9,364	10,694	15,056	14,311	13,190	10,460	8,156	10,369	14,003	9,143	7,386

Alternative 9 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	14,971	21,250	46,631	65,975	70,337	62,152	45,743	33,879	18,050	24,766	17,338	30,812
20%	13,669	18,293	30,250	56,489	62,985	51,614	32,231	22,007	16,893	23,064	16,990	27,631
30%	12,762	16,764	20,955	38,859	49,011	39,372	22,730	17,566	15,447	21,695	16,727	23,592
40%	12,072	15,088	17,595	24,917	42,115	29,448	19,888	15,709	14,848	20,852	16,351	21,265
50%	11,054	14,229	15,386	21,480	30,823	23,761	15,964	14,420	14,067	19,258	15,907	13,301
60%	9,277	11,553	14,421	18,142	22,899	20,707	13,091	13,101	13,674	18,136	14,947	11,623
70%	8,857	10,096	13,536	14,656	18,541	18,248	12,134	11,880	13,066	16,944	13,794	8,949
80%	8,033	9,345	11,065	13,442	15,309	15,079	11,342	11,108	11,745	14,376	12,128	8,000
90%	7,141	7,979	9,476	11,743	11,747	11,470	10,658	8,401	10,762	12,358	9,880	7,675
Long Term												
Full Simulation Period[a]	11,040	14,857	22,056	30,981	36,798	31,589	22,161	17,586	15,056	18,977	14,717	17,115
Water Year Types[b]												
Wet (32%)	12,995	19,211	35,156	51,122	58,235	48,936	35,382	24,818	18,763	21,110	16,002	28,313
Above Normal (15%)	10,443	15,739	21,664	38,328	46,159	42,570	23,827	19,159	16,516	22,429	16,923	21,040
Below Normal (17%)	10,675	13,731	16,471	21,200	29,871	21,639	16,992	14,326	13,812	19,261	15,909	12,595
Dry (22%)	10,395	12,232	14,908	16,238	20,219	19,500	13,796	14,479	12,997	17,207	13,565	8,486
Critical (15%)	8,797	9,794	11,306	13,523	13,939	12,767	10,428	8,806	10,102	13,225	10,063	7,147

Alternative 9 (LLT) minus No Action Alternative (LLT)

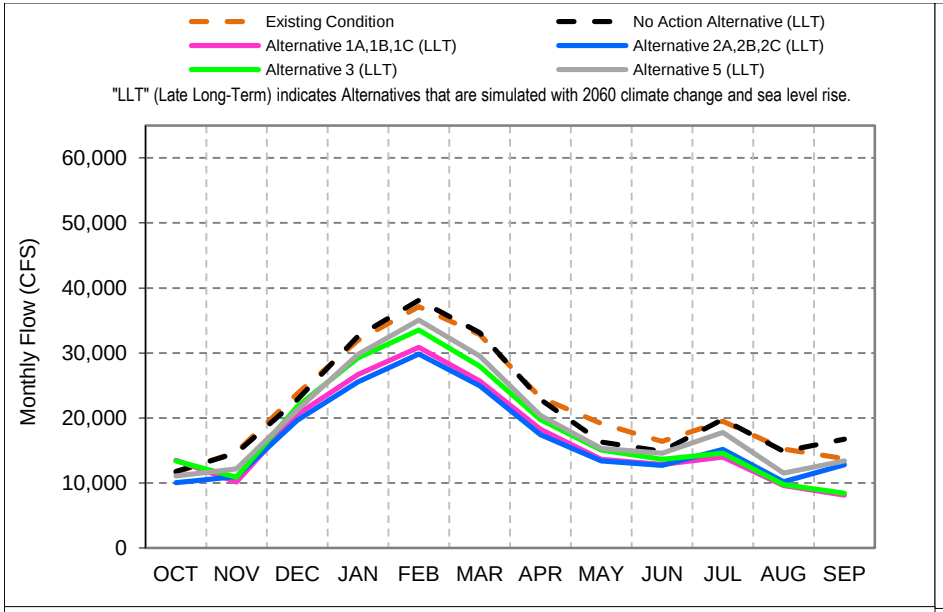
	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	450	318	**-2,091**	42	**-201**	**-1,924**	**-3,547**	**-178**	**-784**	258	**-686**	1,767
20%	122	364	**-4,058**	**-2,009**	**-2,212**	**-3,451**	**-4,831**	**-68**	347	**-942**	**-303**	639
30%	**-374**	205	**-1,233**	**-2,062**	**-2,198**	**-4,408**	**-305**	1,577	**-186**	**-1,676**	**-62**	**-4**
40%	**-848**	**-98**	**-766**	**-2,552**	**-2,310**	**-3,267**	**-229**	2,958	199	**-1,698**	**-42**	**-652**
50%	**-1,262**	217	**-581**	**-1,511**	**-3,444**	**-1,432**	818	2,371	315	**-2,295**	**-53**	390
60%	**-2,072**	**-462**	**-13**	**-2,167**	**-1,299**	**-745**	815	1,730	235	**-2,160**	**-494**	841
70%	**-1,368**	179	**-205**	**-2,857**	**-293**	**-642**	588	856	201	**-1,402**	**-551**	**-270**
80%	**-1,084**	824	**-897**	**-299**	**-687**	**-180**	54	1,258	**-358**	**-1,832**	**-1,083**	**-105**
90%	**-500**	466	415	**-522**	**-796**	**-273**	433	**-439**	**-347**	**-71**	600	**-39**
Long Term												
Full Simulation Period[a]	**-817**	166	**-733**	**-1,515**	**-1,230**	**-1,574**	**-731**	1,164	**-42**	**-1,044**	**-322**	258
Water Year Types[b]												
Wet (32%)	**-360**	**-96**	**-1,831**	**-1,594**	**-1,519**	**-2,075**	**-2,206**	204	**-44**	**-534**	**-210**	1,005
Above Normal (15%)	**-1,494**	**-233**	**-958**	**-2,012**	**-1,520**	**-2,552**	**-1,165**	387	250	**-516**	**-712**	**-63**
Below Normal (17%)	**-1,533**	637	**-237**	**-1,375**	**-1,651**	**-1,305**	**-207**	1,795	**-300**	**-1,473**	**-473**	195
Dry (22%)	**-177**	268	**-277**	**-1,165**	**-864**	**-1,177**	817	2,921	115	**-1,975**	**-933**	**-228**
Critical (15%)	**-1,254**	430	612	**-1,533**	**-372**	**-423**	**-32**	649	**-267**	**-778**	920	**-239**

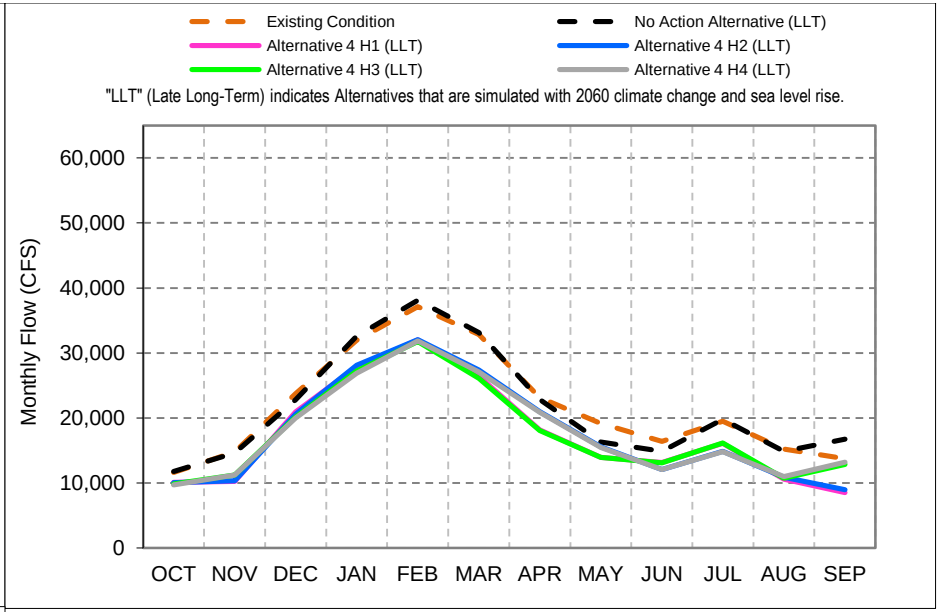
Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

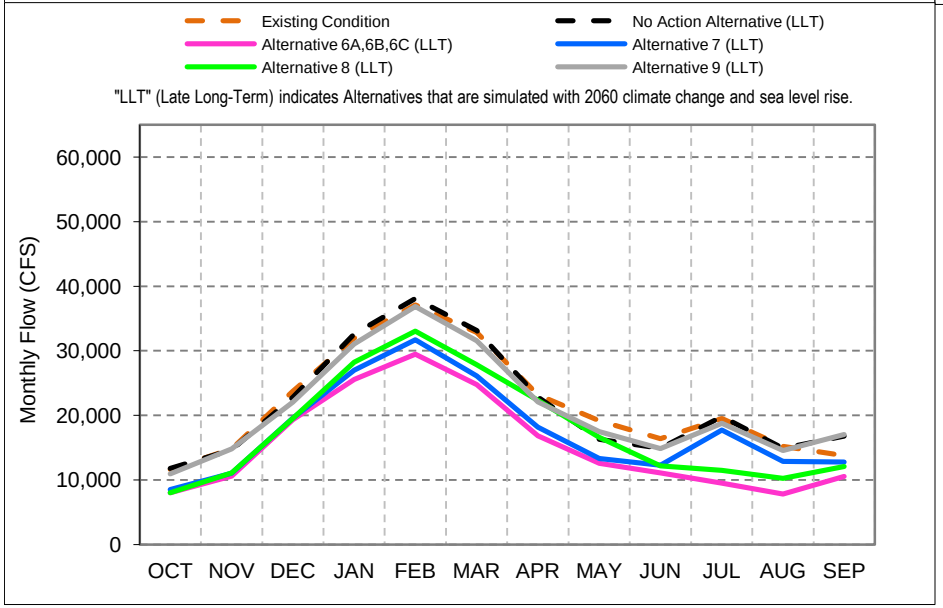
a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

C.21. Sacramento River Flow downstream of North delta Diversion



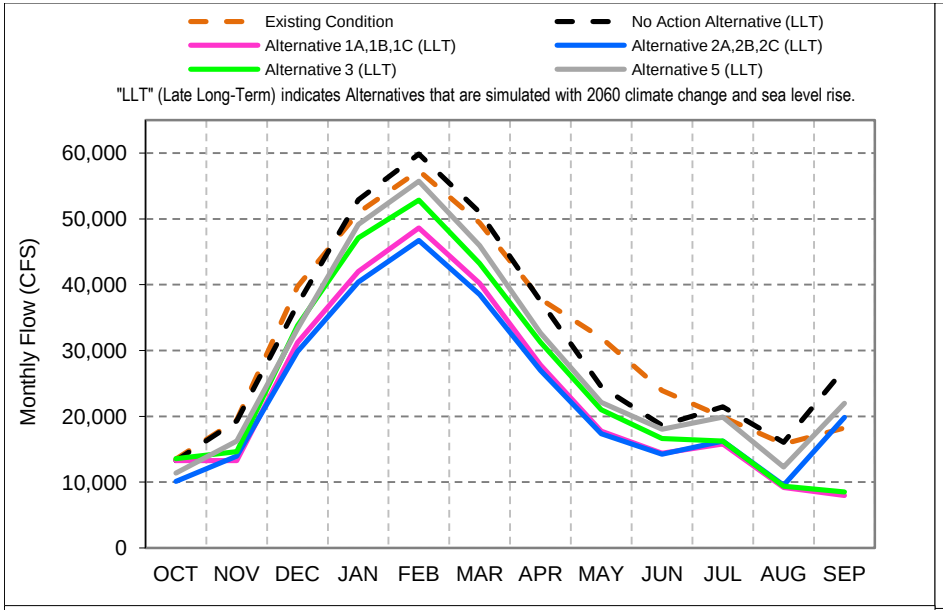


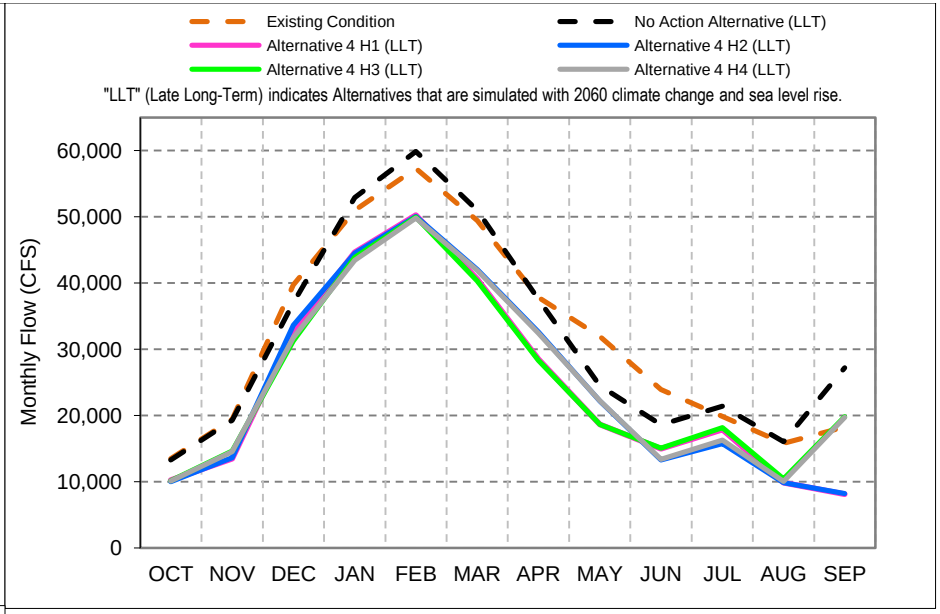


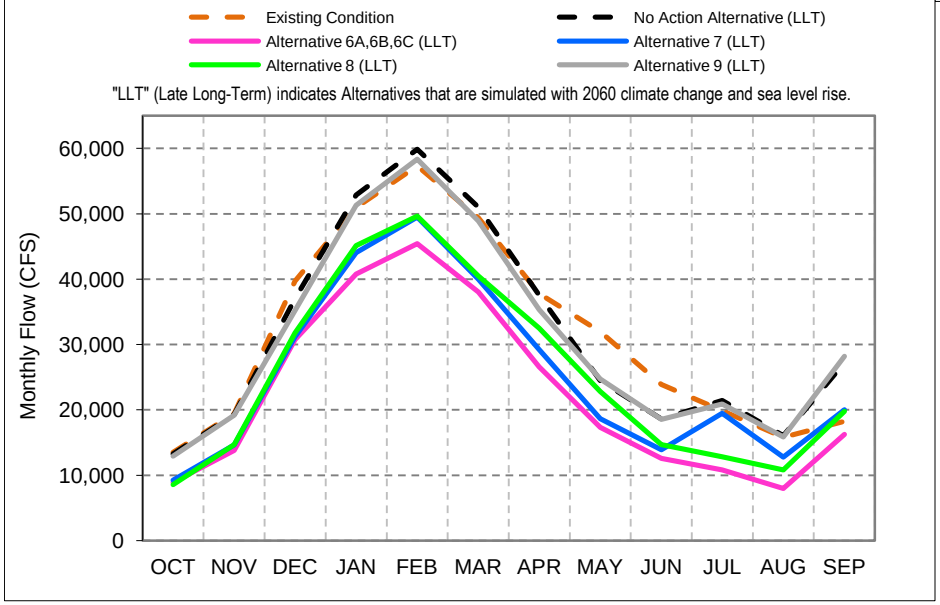
Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-21-1. Sacramento River d/s of North Delta Diversion, Long-Term Average Flow





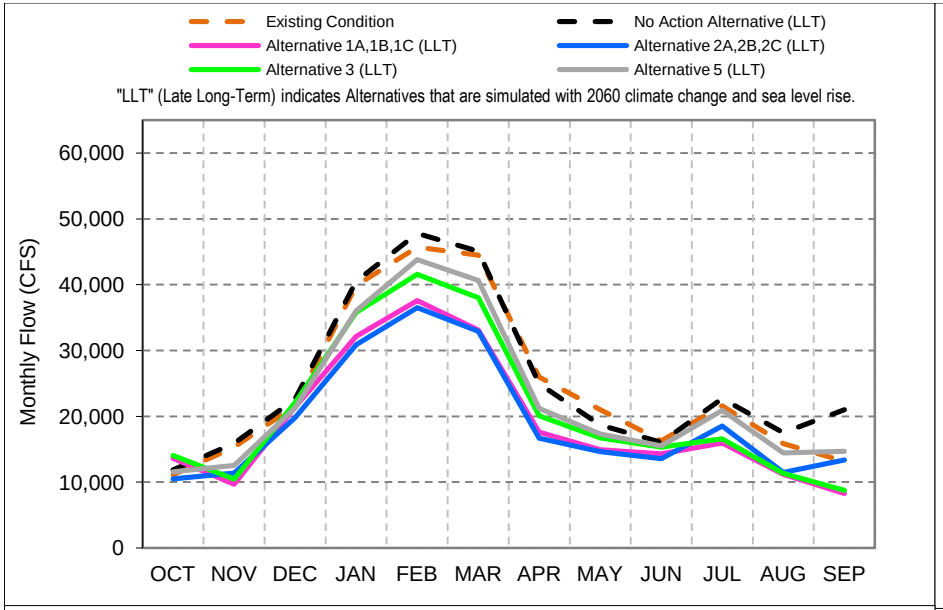


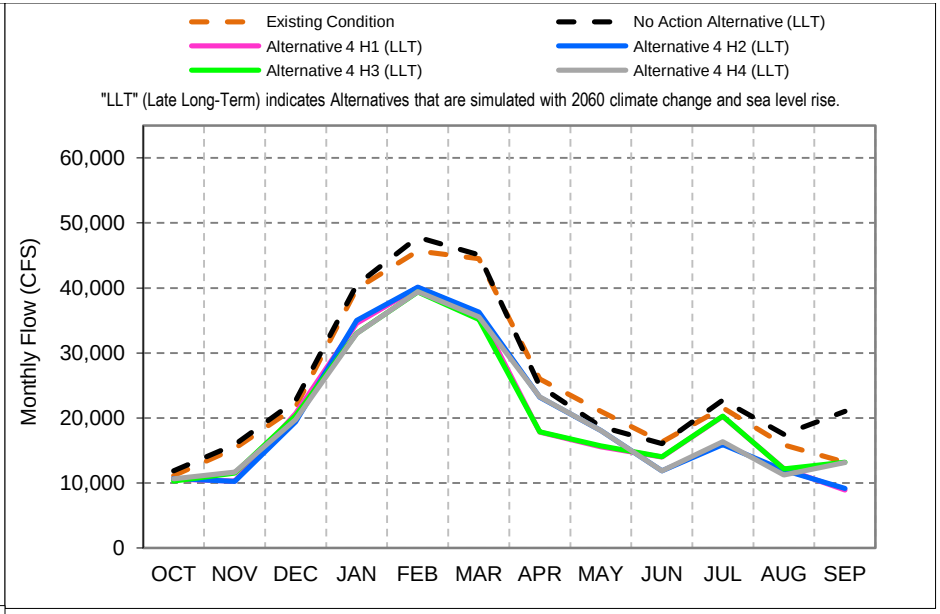
Alternative 4 Scenario Definitions:

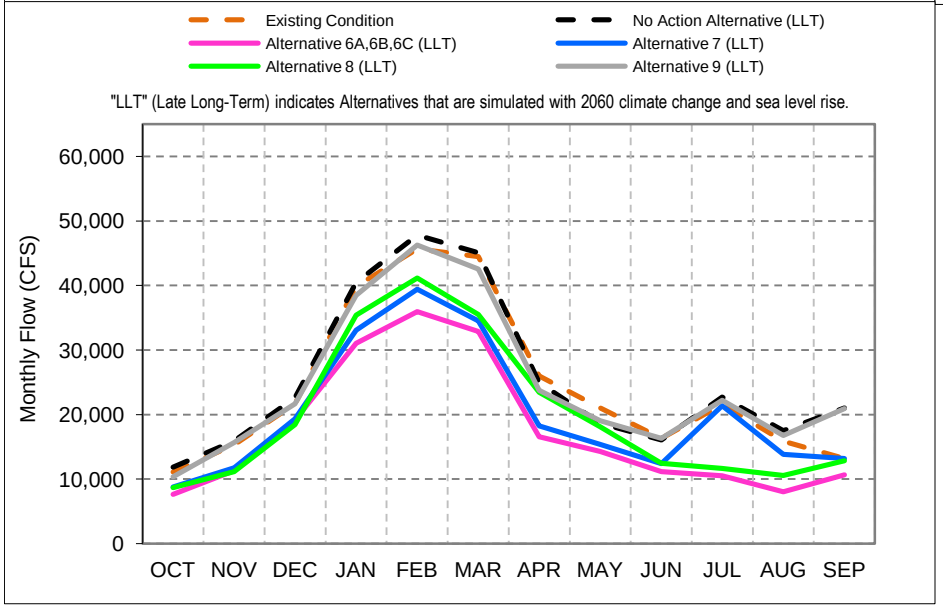
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-21-2. Sacramento River d/s of North Delta Diversion, Wet Year* Average Flow





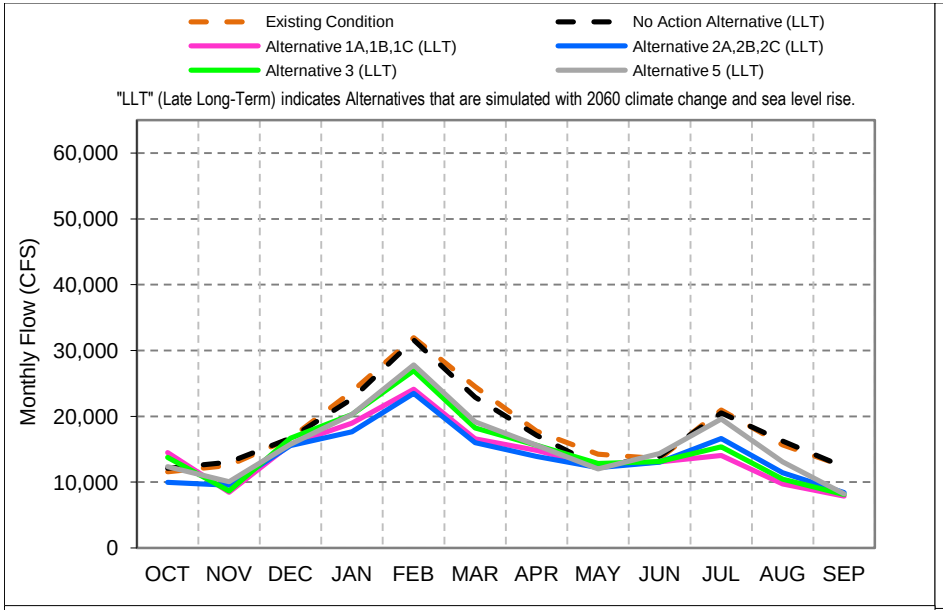


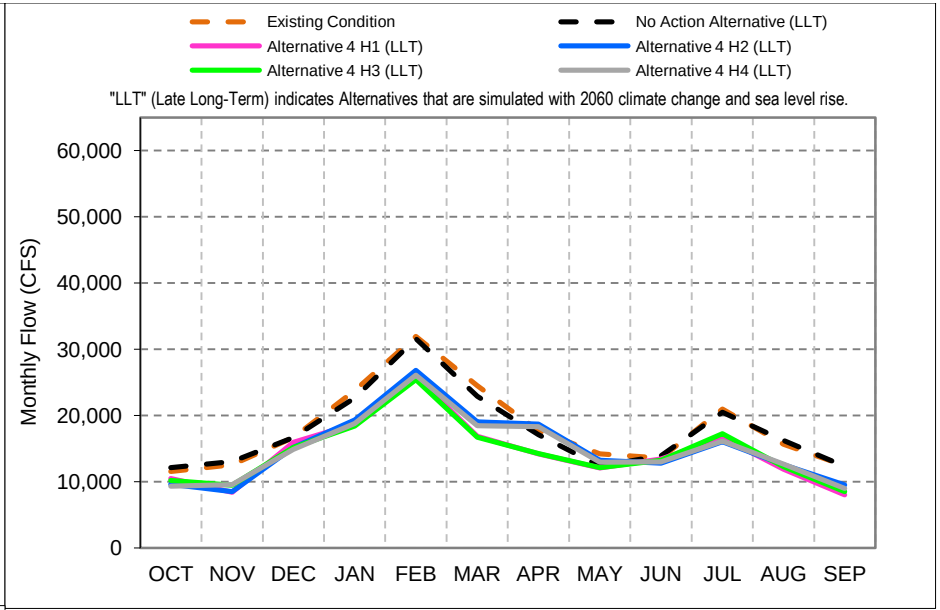
Alternative 4 Scenario Definitions:

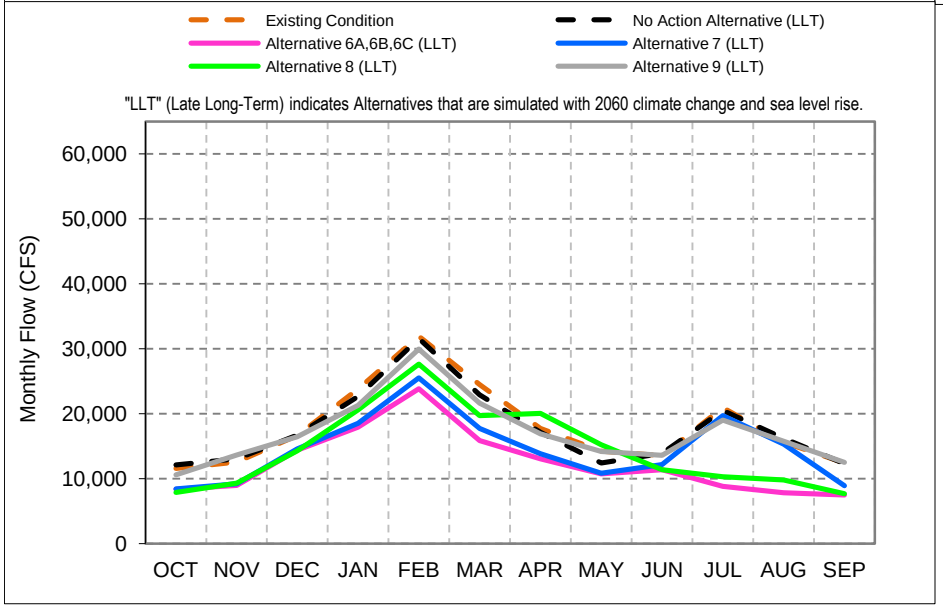
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-21-3. Sacramento River d/s of North Delta Diversion, Above Normal Year* Average Flow





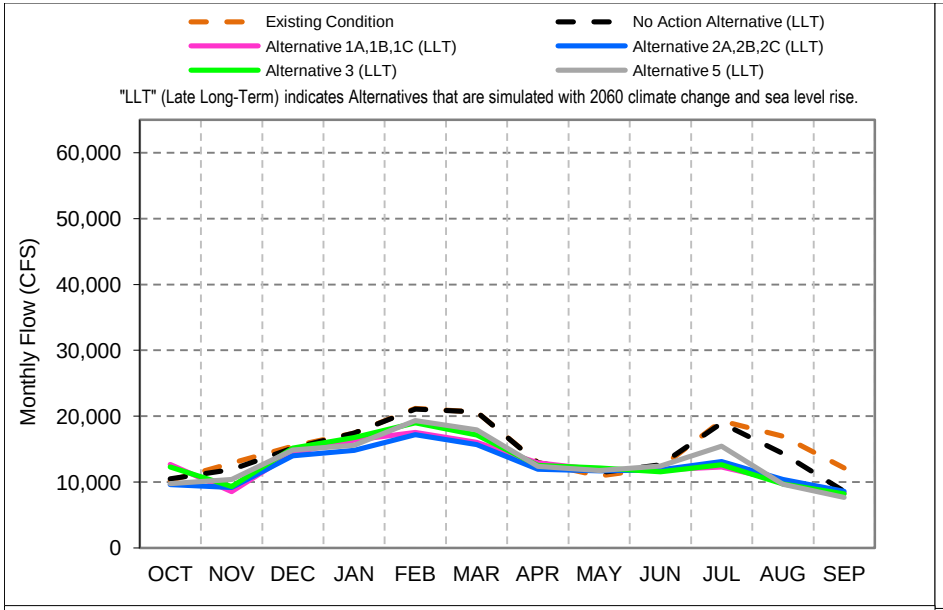


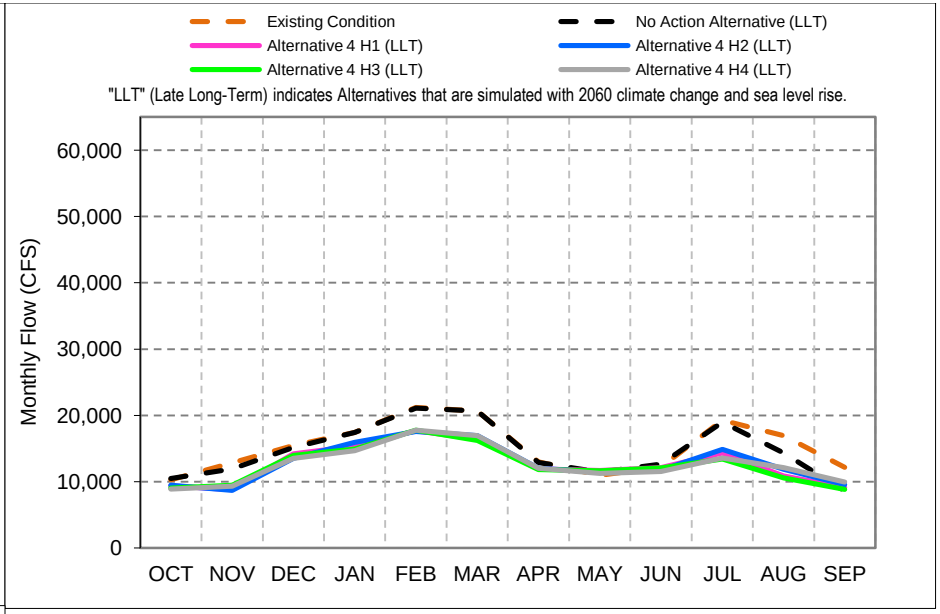
Alternative 4 Scenario Definitions:

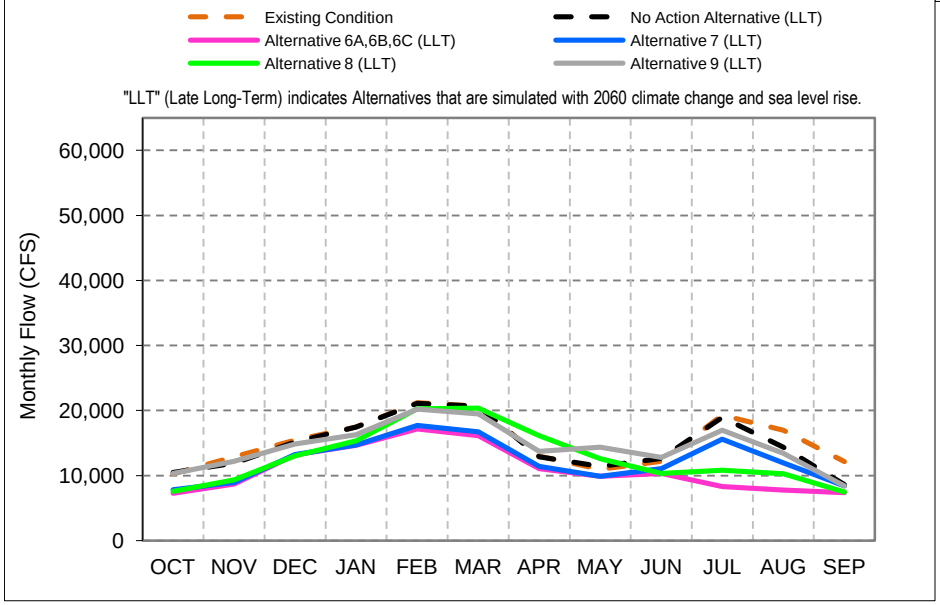
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-21-4. Sacramento River d/s of North Delta Diversion, Below Normal Year* Average Flow





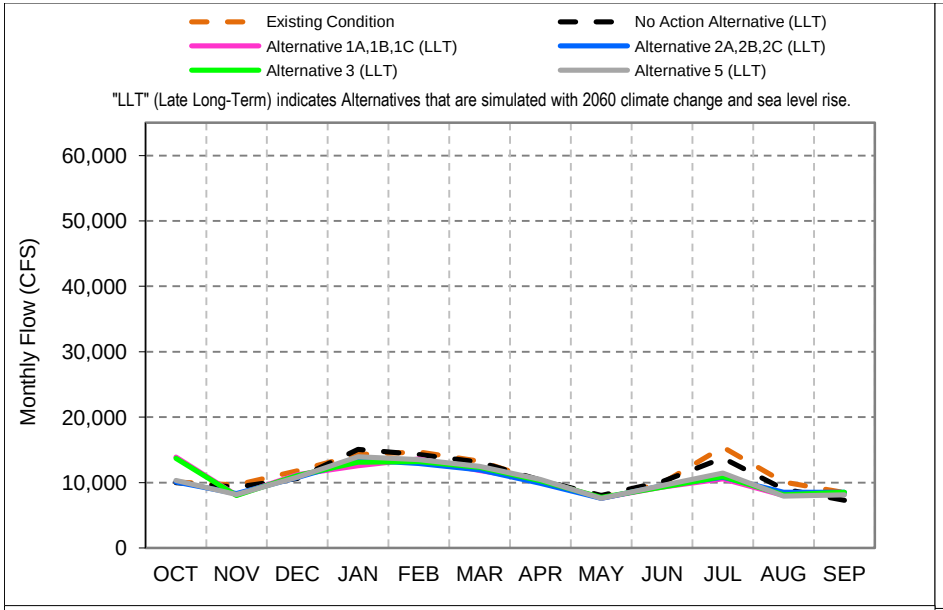


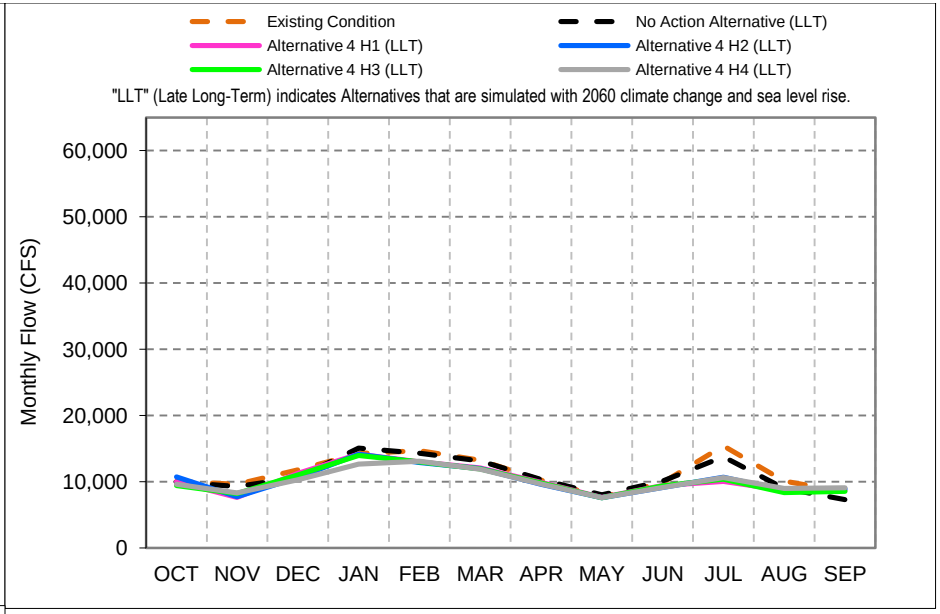
Alternative 4 Scenario Definitions:

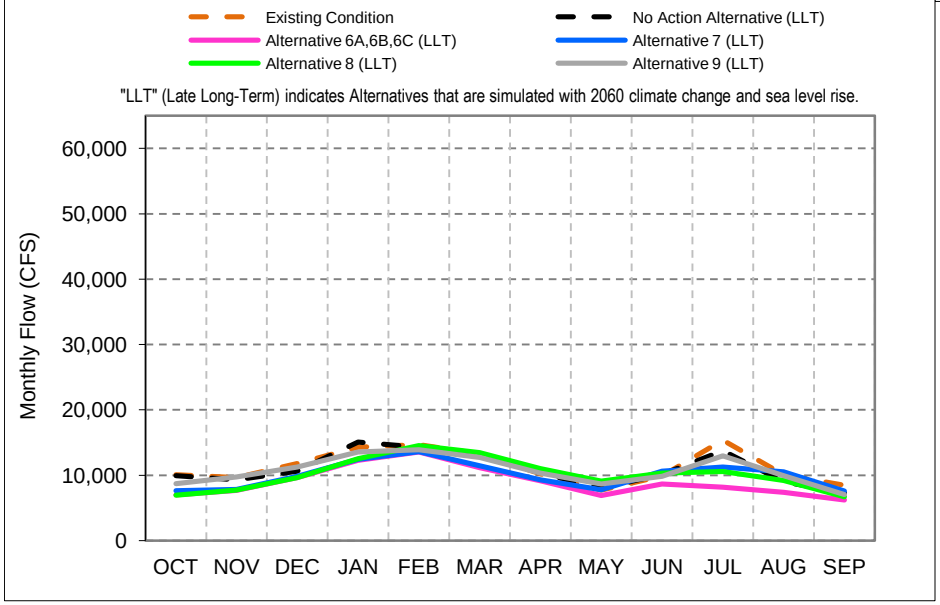
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-21-5. Sacramento River d/s of North Delta Diversion, Dry Year* Average Flow







Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-21-6. Sacramento River d/s of North Delta Diversion, Critical Year* Average Flow

Table C-21-1. Sacramento River d/s of North Delta Diversion, Monthly Flow

Existing Condition

Statistic	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	15,329	24,384	51,165	63,679	68,541	61,159	50,180	41,880	25,859	23,322	17,874	19,486
20%	13,687	15,781	36,208	56,070	61,018	51,797	38,440	27,790	20,184	22,492	17,435	17,016
30%	12,785	14,510	24,871	41,125	51,014	43,086	23,478	18,536	15,022	21,154	16,777	14,001
40%	11,683	13,507	18,359	30,974	43,531	33,753	20,474	15,172	13,712	20,188	16,461	13,567
50%	11,184	12,156	16,368	24,823	33,515	27,145	16,135	13,545	13,141	19,667	16,023	13,126
60%	10,548	11,106	14,969	19,554	24,680	22,020	13,220	11,917	12,500	19,434	15,547	12,695
70%	9,710	10,791	12,925	15,748	19,908	19,142	11,953	10,835	12,152	19,046	15,080	11,948
80%	8,925	9,564	11,502	13,415	14,871	15,333	11,188	10,027	11,496	17,041	13,312	10,972
90%	7,603	8,404	9,849	12,542	13,019	11,580	9,749	8,774	10,147	14,446	9,996	7,967
Long Term												
Full Simulation Period[a]	11,613	14,788	23,727	31,971	37,116	32,834	23,169	19,175	16,412	19,520	15,210	13,751
Water Year Types[b]												
Wet (32%)	13,505	19,447	39,708	50,961	57,314	49,416	37,809	31,948	23,900	19,876	15,816	18,254
Above Normal (15%)	11,118	15,309	21,663	39,863	45,676	44,495	25,979	21,021	16,309	21,574	15,877	13,198
Below Normal (17%)	11,557	12,574	16,678	23,781	31,934	24,489	17,752	14,227	13,576	20,953	15,643	12,427
Dry (22%)	10,279	12,868	15,442	17,444	21,202	20,656	12,990	10,959	12,222	19,272	16,965	12,155
Critical (15%)	10,073	9,633	11,816	14,281	14,708	13,245	10,229	7,749	9,884	15,397	10,095	8,485

No Action Alternative (LLT)

Statistic	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	14,435	20,962	48,944	66,024	70,601	64,123	49,287	33,970	18,605	24,301	17,873	28,941
20%	13,466	17,873	34,439	58,570	65,193	55,046	37,041	22,009	16,346	23,779	17,155	26,906
30%	13,050	16,500	22,195	41,078	51,329	43,737	22,974	15,877	15,446	23,144	16,643	23,495
40%	12,844	15,147	18,423	27,661	44,444	32,669	20,071	12,621	14,435	22,326	16,248	21,825
50%	12,222	13,967	15,978	23,077	34,352	25,226	15,091	11,917	13,529	21,328	15,814	12,816
60%	11,262	11,948	14,363	20,433	24,240	21,431	12,186	11,232	13,181	20,083	15,297	10,709
70%	10,150	9,878	13,693	17,598	18,831	18,863	11,465	10,915	12,650	18,123	14,198	9,131
80%	9,031	8,450	11,957	13,731	15,981	15,235	11,202	9,724	11,864	15,988	13,056	8,010
90%	7,567	7,451	8,981	12,260	12,487	11,683	10,128	8,700	10,906	12,214	9,128	7,614
Long Term												
Full Simulation Period[a]	11,776	14,647	22,784	32,595	38,087	33,134	22,826	16,295	14,880	19,797	14,891	16,763
Water Year Types[b]												
Wet (32%)	13,277	19,285	37,022	52,878	59,847	50,993	37,543	24,500	18,603	21,425	16,064	27,212
Above Normal (15%)	11,864	15,925	22,629	40,484	47,786	45,088	24,931	18,657	16,051	22,727	17,491	21,006
Below Normal (17%)	12,124	13,037	16,692	22,653	31,592	22,915	17,128	12,394	13,898	20,513	16,232	12,306
Dry (22%)	10,487	11,914	15,159	17,451	21,107	20,650	12,904	11,427	12,656	18,957	14,351	8,620
Critical (15%)	9,964	9,295	10,632	15,073	14,291	13,137	10,365	8,011	10,123	13,767	8,996	7,292

No Action Alternative (LLT) minus Existing Condition

Statistic	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-894	-3,422	-2,221	2,345	2,060	2,964	-892	-7,910	-7,254	980	-1	9,455
20%	-221	2,091	-1,768	2,499	4,175	3,249	-1,399	-5,780	-3,837	1,287	-280	9,890
30%	265	1,990	-2,676	-47	315	650	-504	-2,659	425	1,990	-133	9,494
40%	1,161	1,640	64	-3,313	914	-1,084	-403	-2,551	723	2,139	-213	8,258
50%	1,038	1,811	-390	-1,745	837	-1,919	-1,045	-1,627	388	1,661	-208	-309
60%	714	842	-605	879	-440	-589	-1,034	-685	681	649	-249	-1,986
70%	441	-913	768	1,850	-1,077	-279	-487	80	498	-924	-882	-2,817
80%	106	-1,114	455	316	1,109	-98	14	-303	368	-1,053	-256	-2,963
90%	-36	-953	-868	-281	-533	102	379	-73	759	-2,232	-868	-354
Long Term												
Full Simulation Period[a]	163	-141	-943	624	972	301	-343	-2,879	-1,532	277	-319	3,012
Water Year Types[b]												
Wet (32%)	-227	-162	-2,686	1,917	2,533	1,577	-265	-7,448	-5,296	1,549	248	8,959
Above Normal (15%)	745	617	966	622	2,110	593	-1,048	-2,364	-258	1,153	1,614	7,808
Below Normal (17%)	566	463	15	-1,128	-342	-1,574	-623	-1,833	322	-440	590	-121
Dry (22%)	207	-954	-284	7	-95	-7	-86	468	433	-315	-2,614	-3,535
Critical (15%)	-109	-338	-1,184	792	-417	-108	136	262	239	-1,630	-1,098	-1,192

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-21-2. Sacramento River d/s of North Delta Diversion, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	15,329	24,384	51,165	63,679	68,541	61,159	50,180	41,880	25,859	23,322	17,874	19,486
20%	13,687	15,781	36,208	56,070	61,018	51,797	38,440	27,790	20,184	22,492	17,435	17,016
30%	12,785	14,510	24,871	41,125	51,014	43,086	23,478	18,536	15,022	21,154	16,777	14,001
40%	11,683	13,507	18,359	30,974	43,531	33,753	20,474	15,172	13,712	20,188	16,461	13,567
50%	11,184	12,156	16,368	24,823	33,515	27,145	16,135	13,545	13,141	19,667	16,023	13,126
60%	10,548	11,106	14,969	19,554	24,680	22,020	13,220	11,917	12,500	19,434	15,547	12,695
70%	9,710	10,791	12,925	15,748	19,908	19,142	11,953	10,835	12,152	19,046	15,080	11,948
80%	8,925	9,564	11,502	13,415	14,871	15,333	11,188	10,027	11,496	17,041	13,312	10,972
90%	7,603	8,404	9,849	12,542	13,019	11,580	9,749	8,774	10,147	14,446	9,996	7,967
Long Term												
Full Simulation Period[a]	11,613	14,788	23,727	31,971	37,116	32,834	23,169	19,175	16,412	19,520	15,210	13,751
Water Year Types[b]												
Wet (32%)	13,505	19,447	39,708	50,961	57,314	49,416	37,809	31,948	23,900	19,876	15,816	18,254
Above Normal (15%)	11,118	15,309	21,663	39,863	45,676	44,495	25,979	21,021	16,309	21,574	15,877	13,198
Below Normal (17%)	11,557	12,574	16,678	23,781	31,934	24,489	17,752	14,227	13,576	20,953	15,643	12,427
Dry (22%)	10,279	12,868	15,442	17,444	21,202	20,656	12,990	10,959	12,222	19,272	16,965	12,155
Critical (15%)	10,073	9,633	11,816	14,281	14,708	13,245	10,229	7,749	9,884	15,397	10,095	8,485

Alternative 1A,1B,1C (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	20,266	17,331	38,958	54,252	61,703	54,353	37,576	21,417	15,719	19,768	12,224	9,398
20%	18,336	8,983	27,023	44,343	52,554	41,185	22,140	14,896	15,036	17,569	10,837	8,391
30%	16,549	8,440	20,615	29,862	37,584	30,580	16,919	13,104	13,662	16,213	10,135	7,938
40%	14,902	8,410	17,783	22,106	32,698	20,871	14,682	12,307	12,778	14,901	9,509	7,795
50%	13,511	8,357	16,223	20,385	22,062	17,396	13,582	11,915	12,331	13,716	8,908	7,772
60%	11,058	8,231	14,573	18,073	18,179	15,704	12,586	11,336	11,936	12,711	8,476	7,725
70%	9,030	8,042	13,653	16,026	15,957	14,816	11,954	10,876	11,376	10,808	8,070	7,683
80%	8,837	7,748	11,937	13,620	14,297	12,663	10,877	9,919	10,848	9,877	7,925	7,618
90%	7,161	7,199	9,361	12,130	11,841	10,925	10,366	8,285	9,965	8,496	7,724	7,418
Long Term												
Full Simulation Period[a]	13,500	10,126	20,525	26,698	30,880	25,682	18,279	13,663	12,847	13,993	9,625	8,123
Water Year Types[b]												
Wet (32%)	13,281	13,258	31,205	42,014	48,632	40,210	27,818	17,764	14,397	15,809	9,210	7,963
Above Normal (15%)	13,607	9,667	21,404	32,151	37,562	33,116	17,618	14,932	14,276	15,970	11,175	8,249
Below Normal (17%)	14,504	8,487	15,751	18,962	24,113	16,602	14,856	12,411	13,069	14,056	9,744	7,900
Dry (22%)	12,687	8,551	14,448	16,372	17,556	16,014	12,911	11,868	11,844	12,278	10,152	8,330
Critical (15%)	13,918	8,074	11,195	12,576	13,618	11,863	10,315	7,660	9,306	10,579	8,047	8,298

Alternative 1A,1B,1C (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4,937	-7,052	-12,207	-9,427	-6,838	-6,805	-12,603	-20,462	-10,140	-3,554	-5,651	-10,088
20%	4,649	-6,798	-9,185	-11,727	-8,464	-10,613	-16,300	-12,893	-5,147	-4,923	-6,597	-8,625
30%	3,764	-6,069	-4,256	-11,263	-13,430	-12,506	-6,559	-5,432	-1,360	-4,940	-6,642	-6,063
40%	3,219	-5,097	-576	-8,868	-10,833	-12,882	-5,792	-2,864	-934	-5,287	-6,952	-5,772
50%	2,327	-3,799	-145	-4,438	-11,453	-9,749	-2,554	-1,630	-810	-5,951	-7,115	-5,354
60%	510	-2,875	-396	-1,481	-6,501	-6,315	-633	-581	-564	-6,723	-7,071	-4,970
70%	-680	-2,749	729	278	-3,951	-4,326	1	41	-776	-8,238	-7,010	-4,264
80%	-88	-1,815	434	205	-574	-2,670	-311	-108	-648	-7,164	-5,387	-3,354
90%	-442	-1,205	-488	-411	-1,179	-655	617	-488	-182	-5,951	-2,273	-549
Long Term												
Full Simulation Period[a]	1,888	-4,662	-3,201	-5,273	-6,235	-7,152	-4,890	-5,512	-3,564	-5,527	-5,585	-5,627
Water Year Types[b]												
Wet (32%)	-223	-6,189	-8,503	-8,947	-8,682	-9,206	-9,990	-14,184	-9,502	-4,067	-6,605	-10,291
Above Normal (15%)	2,489	-5,641	-259	-7,712	-8,114	-11,379	-8,360	-6,089	-2,032	-5,603	-4,702	-4,950
Below Normal (17%)	2,947	-4,087	-927	-4,819	-7,820	-7,886	-2,895	-1,816	-506	-6,897	-5,899	-4,527
Dry (22%)	2,407	-4,318	-994	-1,072	-3,646	-4,642	-79	909	-379	-6,994	-6,813	-3,825
Critical (15%)	3,845	-1,559	-621	-1,705	-1,090	-1,382	86	-89	-578	-4,818	-2,048	-187

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-21-3. Sacramento River d/s of North Delta Diversion, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	15,329	24,384	51,165	63,679	68,541	61,159	50,180	41,880	25,859	23,322	17,874	19,486
20%	13,687	15,781	36,208	56,070	61,018	51,797	38,440	27,790	20,184	22,492	17,435	17,016
30%	12,785	14,510	24,871	41,125	51,014	43,086	23,478	18,536	15,022	21,154	16,777	14,001
40%	11,683	13,507	18,359	30,974	43,531	33,753	20,474	15,172	13,712	20,188	16,461	13,567
50%	11,184	12,156	16,368	24,823	33,515	27,145	16,135	13,545	13,141	19,667	16,023	13,126
60%	10,548	11,106	14,969	19,554	24,680	22,020	13,220	11,917	12,500	19,434	15,547	12,695
70%	9,710	10,791	12,925	15,748	19,908	19,142	11,953	10,835	12,152	19,046	15,080	11,948
80%	8,925	9,564	11,502	13,415	14,871	15,333	11,188	10,027	11,496	17,041	13,312	10,972
90%	7,603	8,404	9,849	12,542	13,019	11,580	9,749	8,774	10,147	14,446	9,996	7,967
Long Term												
Full Simulation Period[a]	11,613	14,788	23,727	31,971	37,116	32,834	23,169	19,175	16,412	19,520	15,210	13,751
Water Year Types[b]												
Wet (32%)	13,505	19,447	39,708	50,961	57,314	49,416	37,809	31,948	23,900	19,876	15,816	18,254
Above Normal (15%)	11,118	15,309	21,663	39,863	45,676	44,495	25,979	21,021	16,309	21,574	15,877	13,198
Below Normal (17%)	11,557	12,574	16,678	23,781	31,934	24,489	17,752	14,227	13,576	20,953	15,643	12,427
Dry (22%)	10,279	12,868	15,442	17,444	21,202	20,656	12,990	10,959	12,222	19,272	16,965	12,155
Critical (15%)	10,073	9,633	11,816	14,281	14,708	13,245	10,229	7,749	9,884	15,397	10,095	8,485

Alternative 2A,2B,2C (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	14,467	14,904	36,988	51,984	58,527	51,857	35,254	21,440	15,489	22,289	13,380	21,177
20%	12,783	12,472	27,046	42,789	51,149	38,422	21,316	14,674	14,347	18,591	11,712	20,129
30%	10,641	10,714	19,226	28,647	36,049	29,035	15,654	12,860	13,472	17,577	10,921	15,362
40%	9,308	9,938	16,718	20,376	32,039	19,306	13,444	12,255	12,874	16,069	10,194	12,728
50%	9,036	8,886	14,858	18,686	21,220	17,107	12,091	11,663	12,271	15,373	9,551	11,723
60%	8,932	8,428	13,421	16,986	18,146	15,561	11,763	10,969	11,925	14,087	9,123	9,126
70%	8,819	8,269	12,845	14,400	15,568	14,251	10,992	10,528	11,388	11,646	8,584	7,853
80%	8,252	7,977	12,422	12,658	14,177	12,578	10,416	9,459	10,755	10,207	8,189	7,708
90%	7,103	7,031	9,059	11,454	11,424	10,775	9,940	8,030	9,267	8,758	7,894	7,434
Long Term												
Full Simulation Period[a]	10,038	10,963	19,671	25,562	29,834	24,952	17,434	13,405	12,733	15,159	10,184	12,821
Water Year Types[b]												
Wet (32%)	10,130	13,973	29,862	40,419	46,712	38,511	26,975	17,350	14,262	16,241	9,536	19,822
Above Normal (15%)	10,490	11,369	19,798	30,852	36,520	32,919	16,667	14,639	13,581	18,516	11,496	13,394
Below Normal (17%)	9,995	9,556	15,555	17,663	23,503	15,997	13,920	12,188	13,028	16,620	11,431	8,434
Dry (22%)	9,611	9,210	13,998	14,801	17,208	15,698	11,935	11,691	11,879	13,125	10,382	8,621
Critical (15%)	10,078	8,303	10,776	13,442	12,905	11,938	9,880	7,612	9,507	10,805	8,527	8,497

Alternative 2A,2B,2C (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-862	-9,479	-14,177	-11,694	-10,014	-9,302	-14,926	-20,440	-10,370	-1,033	-4,494	1,692
20%	-905	-3,310	-9,162	-13,281	-9,869	-13,375	-17,125	-13,115	-5,836	-3,901	-5,722	3,113
30%	-2,144	-3,796	-5,645	-12,477	-14,965	-14,051	-7,824	-5,676	-1,550	-3,577	-5,856	1,361
40%	-2,375	-3,569	-1,641	-10,598	-11,492	-14,447	-7,030	-2,917	-839	-4,119	-6,267	-839
50%	-2,147	-3,270	-1,510	-6,137	-12,296	-10,038	-4,045	-1,881	-871	-4,294	-6,471	-1,403
60%	-1,616	-2,678	-1,548	-2,568	-6,533	-6,458	-1,457	-948	-575	-5,347	-6,423	-3,569
70%	-891	-2,522	-80	-1,348	-4,340	-4,891	-961	-307	-764	-7,400	-6,496	-4,095
80%	-673	-1,587	920	-757	-695	-2,755	-772	-568	-740	-6,834	-5,122	-3,265
90%	-500	-1,373	-790	-1,088	-1,596	-805	192	-743	-881	-5,688	-2,102	-534
Long Term												
Full Simulation Period[a]	-1,575	-3,825	-4,056	-6,409	-7,281	-7,881	-5,735	-5,770	-3,679	-4,361	-5,026	-930
Water Year Types[b]												
Wet (32%)	-3,375	-5,474	-9,845	-10,542	-10,602	-10,905	-10,834	-14,598	-9,638	-3,635	-6,280	1,568
Above Normal (15%)	-628	-3,939	-1,865	-9,011	-9,157	-11,576	-9,312	-6,382	-2,728	-3,058	-4,381	196
Below Normal (17%)	-1,563	-3,017	-1,123	-6,117	-8,431	-8,492	-3,832	-2,039	-547	-4,332	-4,212	-3,993
Dry (22%)	-668	-3,658	-1,445	-2,643	-3,993	-4,958	-1,056	731	-344	-6,147	-6,584	-3,534
Critical (15%)	4	-1,330	-1,040	-839	-1,803	-1,307	-349	-138	-376	-4,592	-1,568	12

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-21-4. Sacramento River d/s of North Delta Diversion, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	15,329	24,384	51,165	63,679	68,541	61,159	50,180	41,880	25,859	23,322	17,874	19,486
20%	13,687	15,781	36,208	56,070	61,018	51,797	38,440	27,790	20,184	22,492	17,435	17,016
30%	12,785	14,510	24,871	41,125	51,014	43,086	23,478	18,536	15,022	21,154	16,777	14,001
40%	11,683	13,507	18,359	30,974	43,531	33,753	20,474	15,172	13,712	20,188	16,461	13,567
50%	11,184	12,156	16,368	24,823	33,515	27,145	16,135	13,545	13,141	19,667	16,023	13,126
60%	10,548	11,106	14,969	19,554	24,680	22,020	13,220	11,917	12,500	19,434	15,547	12,695
70%	9,710	10,791	12,925	15,748	19,908	19,142	11,953	10,835	12,152	19,046	15,080	11,948
80%	8,925	9,564	11,502	13,415	14,871	15,333	11,188	10,027	11,496	17,041	13,312	10,972
90%	7,603	8,404	9,849	12,542	13,019	11,580	9,749	8,774	10,147	14,446	9,996	7,967
Long Term												
Full Simulation Period[a]	11,613	14,788	23,727	31,971	37,116	32,834	23,169	19,175	16,412	19,520	15,210	13,751
Water Year Types[b]												
Wet (32%)	13,505	19,447	39,708	50,961	57,314	49,416	37,809	31,948	23,900	19,876	15,816	18,254
Above Normal (15%)	11,118	15,309	21,663	39,863	45,676	44,495	25,979	21,021	16,309	21,574	15,877	13,198
Below Normal (17%)	11,557	12,574	16,678	23,781	31,934	24,489	17,752	14,227	13,576	20,953	15,643	12,427
Dry (22%)	10,279	12,868	15,442	17,444	21,202	20,656	12,990	10,959	12,222	19,272	16,965	12,155
Critical (15%)	10,073	9,633	11,816	14,281	14,708	13,245	10,229	7,749	9,884	15,397	10,095	8,485

Alternative 3 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	19,937	18,682	43,566	59,945	64,907	56,123	41,913	27,868	18,345	21,062	12,550	10,509
20%	17,824	10,773	28,710	51,504	56,863	45,815	27,267	18,245	15,809	18,327	11,462	8,887
30%	16,152	9,020	21,144	34,522	43,833	34,797	18,922	14,369	14,624	17,205	10,011	7,986
40%	14,606	8,471	17,999	23,635	38,844	23,699	15,843	12,962	13,731	15,308	9,582	7,802
50%	13,490	8,412	16,361	21,133	24,897	19,642	13,414	12,074	12,488	14,047	8,886	7,772
60%	10,964	8,361	14,965	19,198	19,201	16,855	12,413	11,370	11,886	12,957	8,295	7,730
70%	9,066	8,273	14,037	15,596	16,784	15,512	11,797	10,931	11,353	11,342	8,088	7,704
80%	8,863	8,135	12,300	13,224	14,706	13,955	10,958	10,133	10,913	9,661	7,924	7,608
90%	7,302	7,812	9,374	12,004	12,246	11,369	10,327	8,286	9,956	8,544	7,742	7,406
Long Term												
Full Simulation Period[a]	13,415	10,873	21,751	29,237	33,535	27,969	19,772	15,096	13,660	14,566	9,751	8,421
Water Year Types[b]												
Wet (32%)	13,568	14,617	33,793	47,110	52,834	43,239	31,285	21,012	16,649	16,224	9,409	8,534
Above Normal (15%)	14,074	10,477	22,076	35,796	41,555	38,037	20,064	16,732	15,314	16,596	11,332	8,740
Below Normal (17%)	13,743	8,652	16,691	20,276	26,948	18,251	15,612	12,836	13,144	15,349	10,460	8,112
Dry (22%)	12,294	9,347	15,185	16,758	18,985	17,175	12,515	12,132	11,544	12,628	9,704	8,225
Critical (15%)	13,727	8,035	11,087	13,124	13,210	12,343	10,273	7,720	9,302	10,940	8,150	8,512

Alternative 3 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4,608	-5,701	-7,600	-3,734	-3,633	-5,036	-8,266	-14,011	-7,514	-2,259	-5,324	-8,977
20%	4,137	-5,008	-7,498	-4,566	-4,155	-5,982	-11,174	-9,544	-4,375	-4,165	-5,972	-8,129
30%	3,368	-5,490	-3,727	-6,603	-7,181	-8,289	-4,556	-4,167	-398	-3,948	-6,766	-6,015
40%	2,923	-5,036	-360	-7,339	-4,686	-10,054	-4,631	-2,209	19	-4,879	-6,879	-5,765
50%	2,306	-3,744	-8	-3,690	-8,618	-7,503	-2,721	-1,471	-653	-5,620	-7,137	-5,354
60%	416	-2,745	-4	-357	-5,479	-5,165	-807	-547	-614	-6,477	-7,252	-4,965
70%	-644	-2,517	1,112	-151	-3,124	-3,630	-156	96	-799	-7,704	-6,993	-4,244
80%	-62	-1,429	798	-192	-166	-1,378	-230	105	-583	-7,380	-5,388	-3,364
90%	-301	-592	-475	-538	-774	-212	578	-488	-192	-5,902	-2,254	-561
Long Term												
Full Simulation Period[a]	1,802	-3,915	-1,976	-2,734	-3,580	-4,865	-3,397	-4,079	-2,752	-4,954	-5,460	-5,330
Water Year Types[b]												
Wet (32%)	63	-4,830	-5,915	-3,851	-4,480	-6,177	-6,523	-10,935	-7,251	-3,652	-6,407	-9,719
Above Normal (15%)	2,956	-4,832	413	-4,067	-4,122	-6,458	-5,915	-4,289	-995	-4,977	-4,545	-4,459
Below Normal (17%)	2,185	-3,922	13	-3,505	-4,986	-6,237	-2,140	-1,391	-431	-5,604	-5,183	-4,315
Dry (22%)	2,014	-3,521	-258	-686	-2,216	-3,481	-475	1,173	-678	-6,644	-7,261	-3,930
Critical (15%)	3,654	-1,597	-729	-1,157	-1,497	-902	45	-29	-581	-4,457	-1,944	28

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-21-5. Sacramento River d/s of North Delta Diversion, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	15,329	24,384	51,165	63,679	68,541	61,159	50,180	41,880	25,859	23,322	17,874	19,486
20%	13,687	15,781	36,208	56,070	61,018	51,797	38,440	27,790	20,184	22,492	17,435	17,016
30%	12,785	14,510	24,871	41,125	51,014	43,086	23,478	18,536	15,022	21,154	16,777	14,001
40%	11,683	13,507	18,359	30,974	43,531	33,753	20,474	15,172	13,712	20,188	16,461	13,567
50%	11,184	12,156	16,368	24,823	33,515	27,145	16,135	13,545	13,141	19,667	16,023	13,126
60%	10,548	11,106	14,969	19,554	24,680	22,020	13,220	11,917	12,500	19,434	15,547	12,695
70%	9,710	10,791	12,925	15,748	19,908	19,142	11,953	10,835	12,152	19,046	15,080	11,948
80%	8,925	9,564	11,502	13,415	14,871	15,333	11,188	10,027	11,496	17,041	13,312	10,972
90%	7,603	8,404	9,849	12,542	13,019	11,580	9,749	8,774	10,147	14,446	9,996	7,967
Long Term												
Full Simulation Period[a]	11,613	14,788	23,727	31,971	37,116	32,834	23,169	19,175	16,412	19,520	15,210	13,751
Water Year Types[b]												
Wet (32%)	13,505	19,447	39,708	50,961	57,314	49,416	37,809	31,948	23,900	19,876	15,816	18,254
Above Normal (15%)	11,118	15,309	21,663	39,863	45,676	44,495	25,979	21,021	16,309	21,574	15,877	13,198
Below Normal (17%)	11,557	12,574	16,678	23,781	31,934	24,489	17,752	14,227	13,576	20,953	15,643	12,427
Dry (22%)	10,279	12,868	15,442	17,444	21,202	20,656	12,990	10,959	12,222	19,272	16,965	12,155
Critical (15%)	10,073	9,633	11,816	14,281	14,708	13,245	10,229	7,749	9,884	15,397	10,095	8,485

Alternative 4 H1 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	14,316	16,607	42,593	58,127	61,917	53,115	37,827	24,988	16,223	23,904	14,434	10,610
20%	12,617	9,148	28,691	48,685	54,014	42,936	23,360	16,165	14,619	22,240	12,650	9,413
30%	10,884	8,479	19,907	31,694	41,704	33,591	16,172	13,277	13,962	19,615	11,390	8,202
40%	9,662	8,408	17,441	22,071	36,234	21,757	13,906	12,409	13,423	17,411	10,446	7,835
50%	9,011	8,362	15,532	19,895	22,978	17,941	12,130	11,666	12,887	15,680	9,629	7,785
60%	8,860	8,301	13,849	18,129	18,236	15,957	11,912	10,621	11,983	14,167	9,150	7,762
70%	8,709	8,135	12,813	15,683	16,527	14,643	11,025	10,445	11,700	12,599	8,579	7,718
80%	7,864	7,903	11,844	13,004	14,369	13,230	10,448	9,589	10,894	10,212	8,159	7,666
90%	7,253	7,053	9,065	11,466	11,538	11,013	9,914	8,049	9,274	8,724	7,847	7,556
Long Term												
Full Simulation Period[a]	10,108	10,262	20,906	27,849	31,992	26,401	18,149	13,941	13,134	16,100	10,609	8,541
Water Year Types[b]												
Wet (32%)	10,243	13,472	32,758	44,637	50,234	40,575	28,525	18,675	14,999	17,886	9,874	8,137
Above Normal (15%)	10,574	10,283	20,699	34,572	40,095	36,077	17,833	15,550	13,982	20,243	12,203	8,939
Below Normal (17%)	10,494	8,404	15,969	18,739	25,892	16,891	14,230	12,064	13,415	16,670	11,902	8,041
Dry (22%)	9,364	8,795	14,196	15,344	17,651	16,418	11,925	11,686	12,119	14,341	10,855	9,148
Critical (15%)	10,018	7,654	11,263	14,139	12,995	12,081	9,893	7,645	9,435	10,060	8,727	8,693

Alternative 4 H1 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-1,013	-7,777	-8,572	-5,552	-6,624	-8,044	-12,352	-16,892	-9,636	582	-3,440	-8,876
20%	-1,071	-6,633	-7,517	-7,385	-7,004	-8,861	-15,080	-11,625	-5,565	-252	-4,784	-7,603
30%	-1,900	-6,031	-4,964	-9,430	-9,310	-9,496	-7,306	-5,259	-1,060	-1,539	-5,386	-5,799
40%	-2,021	-5,099	-918	-8,903	-7,297	-11,996	-6,569	-2,763	-289	-2,776	-6,015	-5,732
50%	-2,173	-3,794	-836	-4,927	-10,537	-9,204	-4,005	-1,878	-255	-3,986	-6,393	-5,341
60%	-1,687	-2,805	-1,120	-1,425	-6,444	-6,063	-1,308	-1,296	-517	-5,267	-6,397	-4,933
70%	-1,001	-2,655	-112	-65	-3,381	-4,499	-927	-390	-452	-6,447	-6,501	-4,230
80%	-1,061	-1,661	342	-411	-503	-2,103	-740	-438	-601	-6,829	-5,153	-3,306
90%	-350	-1,351	-784	-1,076	-1,482	-568	165	-724	-873	-5,722	-2,149	-411
Long Term												
Full Simulation Period[a]	-1,504	-4,526	-2,821	-4,122	-5,123	-6,433	-5,020	-5,234	-3,278	-3,420	-4,602	-5,210
Water Year Types[b]												
Wet (32%)	-3,262	-5,975	-6,950	-6,324	-7,080	-8,841	-9,284	-13,273	-8,900	-1,990	-5,942	-10,116
Above Normal (15%)	-544	-5,026	-964	-5,291	-5,581	-8,418	-8,146	-5,471	-2,327	-1,331	-3,674	-4,260
Below Normal (17%)	-1,063	-4,170	-709	-5,042	-6,041	-7,598	-3,521	-2,163	-160	-4,283	-3,740	-4,386
Dry (22%)	-915	-4,073	-1,247	-2,100	-3,551	-4,239	-1,065	727	-103	-4,931	-6,110	-3,007
Critical (15%)	-55	-1,979	-553	-142	-1,713	-1,164	-335	-104	-448	-5,338	-1,368	208

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-21-6. Sacramento River d/s of North Delta Diversion, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	15,329	24,384	51,165	63,679	68,541	61,159	50,180	41,880	25,859	23,322	17,874	19,486
20%	13,687	15,781	36,208	56,070	61,018	51,797	38,440	27,790	20,184	22,492	17,435	17,016
30%	12,785	14,510	24,871	41,125	51,014	43,086	23,478	18,536	15,022	21,154	16,777	14,001
40%	11,683	13,507	18,359	30,974	43,531	33,753	20,474	15,172	13,712	20,188	16,461	13,567
50%	11,184	12,156	16,368	24,823	33,515	27,145	16,135	13,545	13,141	19,667	16,023	13,126
60%	10,548	11,106	14,969	19,554	24,680	22,020	13,220	11,917	12,500	19,434	15,547	12,695
70%	9,710	10,791	12,925	15,748	19,908	19,142	11,953	10,835	12,152	19,046	15,080	11,948
80%	8,925	9,564	11,502	13,415	14,871	15,333	11,188	10,027	11,496	17,041	13,312	10,972
90%	7,603	8,404	9,849	12,542	13,019	11,580	9,749	8,774	10,147	14,446	9,996	7,967
Long Term												
Full Simulation Period[a]	11,613	14,788	23,727	31,971	37,116	32,834	23,169	19,175	16,412	19,520	15,210	13,751
Water Year Types[b]												
Wet (32%)	13,505	19,447	39,708	50,961	57,314	49,416	37,809	31,948	23,900	19,876	15,816	18,254
Above Normal (15%)	11,118	15,309	21,663	39,863	45,676	44,495	25,979	21,021	16,309	21,574	15,877	13,198
Below Normal (17%)	11,557	12,574	16,678	23,781	31,934	24,489	17,752	14,227	13,576	20,953	15,643	12,427
Dry (22%)	10,279	12,868	15,442	17,444	21,202	20,656	12,990	10,959	12,222	19,272	16,965	12,155
Critical (15%)	10,073	9,633	11,816	14,281	14,708	13,245	10,229	7,749	9,884	15,397	10,095	8,485

Alternative 4 H2 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	14,574	16,646	45,034	58,880	62,409	53,900	39,982	27,271	15,260	20,316	14,375	12,391
20%	12,645	8,508	29,230	47,558	53,841	42,952	27,998	19,616	13,517	19,169	13,190	10,437
30%	10,697	8,420	20,157	32,735	42,270	30,297	25,008	17,212	12,489	17,544	12,612	9,259
40%	9,046	8,385	17,410	22,794	36,334	24,472	21,295	14,912	11,557	16,500	11,976	8,225
50%	8,955	8,323	14,915	20,319	23,664	20,696	17,549	12,623	11,287	15,184	10,558	7,818
60%	8,831	8,240	13,594	18,116	18,503	18,983	13,199	11,591	10,820	13,384	9,318	7,773
70%	8,580	8,084	11,482	15,950	16,678	16,030	11,040	10,574	10,334	12,233	8,766	7,741
80%	8,052	7,806	9,877	13,653	14,000	13,857	10,327	9,713	9,888	9,625	8,186	7,705
90%	7,204	6,987	8,842	11,874	10,835	10,769	9,512	8,068	9,002	8,493	7,813	7,586
Long Term												
Full Simulation Period[a]	10,031	10,327	20,609	28,099	32,062	27,372	20,971	15,546	12,050	14,888	10,911	8,980
Water Year Types[b]												
Wet (32%)	9,994	13,653	33,605	44,482	50,033	42,051	32,600	22,164	13,271	15,749	9,879	8,227
Above Normal (15%)	10,707	10,247	19,421	34,999	40,123	36,263	23,186	18,067	11,897	15,907	11,980	9,146
Below Normal (17%)	9,628	8,534	15,185	19,332	26,821	19,063	18,697	13,225	12,811	16,028	12,575	9,534
Dry (22%)	9,476	8,710	13,509	15,937	17,589	16,961	12,030	11,426	11,746	14,891	11,890	9,553
Critical (15%)	10,738	7,721	10,616	14,176	12,886	11,983	9,626	7,575	9,127	10,670	8,666	8,942

Alternative 4 H2 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-755	-7,737	-6,131	-4,799	-6,131	-7,259	-10,198	-14,608	-10,599	-3,006	-3,500	-7,095
20%	-1,042	-7,273	-6,978	-8,512	-7,177	-8,845	-10,443	-8,173	-6,667	-3,323	-4,245	-6,579
30%	-2,088	-6,089	-4,714	-8,389	-8,744	-12,789	1,530	-1,324	-2,533	-3,609	-4,164	-4,742
40%	-2,637	-5,121	-949	-8,180	-7,197	-9,282	820	-260	-2,156	-3,688	-4,485	-5,342
50%	-2,229	-3,833	-1,453	-4,504	-9,851	-6,448	1,413	-922	-1,854	-4,483	-5,465	-5,308
60%	-1,717	-2,866	-1,375	-1,439	-6,177	-3,037	-20	-326	-1,680	-6,050	-6,228	-4,922
70%	-1,129	-2,706	-1,443	202	-3,230	-3,112	-913	-261	-1,818	-6,814	-6,314	-4,207
80%	-873	-1,758	-1,625	237	-872	-1,476	-861	-314	-1,608	-7,415	-5,125	-3,268
90%	-399	-1,417	-1,007	-667	-2,184	-811	-237	-706	-1,145	-5,953	-2,184	-382
Long Term												
Full Simulation Period[a]	-1,581	-4,460	-3,118	-3,872	-5,054	-5,462	-2,198	-3,628	-4,362	-4,632	-4,299	-4,771
Water Year Types[b]												
Wet (32%)	-3,510	-5,794	-6,103	-6,479	-7,281	-7,364	-5,209	-9,784	-10,629	-4,127	-5,937	-10,027
Above Normal (15%)	-411	-5,062	-2,242	-4,864	-5,553	-8,232	-2,793	-2,953	-4,412	-5,667	-3,897	-4,053
Below Normal (17%)	-1,929	-4,040	-1,493	-4,449	-5,113	-5,426	946	-1,002	-765	-4,924	-3,067	-2,893
Dry (22%)	-803	-4,159	-1,934	-1,507	-3,613	-3,696	-960	467	-477	-4,381	-5,075	-2,603
Critical (15%)	665	-1,912	-1,201	-106	-1,821	-1,262	-603	-175	-757	-4,727	-1,429	457

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-21-7. Sacramento River d/s of North Delta Diversion, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	15,329	24,384	51,165	63,679	68,541	61,159	50,180	41,880	25,859	23,322	17,874	19,486
20%	13,687	15,781	36,208	56,070	61,018	51,797	38,440	27,790	20,184	22,492	17,435	17,016
30%	12,785	14,510	24,871	41,125	51,014	43,086	23,478	18,536	15,022	21,154	16,777	14,001
40%	11,683	13,507	18,359	30,974	43,531	33,753	20,474	15,172	13,712	20,188	16,461	13,567
50%	11,184	12,156	16,368	24,823	33,515	27,145	16,135	13,545	13,141	19,667	16,023	13,126
60%	10,548	11,106	14,969	19,554	24,680	22,020	13,220	11,917	12,500	19,434	15,547	12,695
70%	9,710	10,791	12,925	15,748	19,908	19,142	11,953	10,835	12,152	19,046	15,080	11,948
80%	8,925	9,564	11,502	13,415	14,871	15,333	11,188	10,027	11,496	17,041	13,312	10,972
90%	7,603	8,404	9,849	12,542	13,019	11,580	9,749	8,774	10,147	14,446	9,996	7,967
Long Term												
Full Simulation Period[a]	11,613	14,788	23,727	31,971	37,116	32,834	23,169	19,175	16,412	19,520	15,210	13,751
Water Year Types[b]												
Wet (32%)	13,505	19,447	39,708	50,961	57,314	49,416	37,809	31,948	23,900	19,876	15,816	18,254
Above Normal (15%)	11,118	15,309	21,663	39,863	45,676	44,495	25,979	21,021	16,309	21,574	15,877	13,198
Below Normal (17%)	11,557	12,574	16,678	23,781	31,934	24,489	17,752	14,227	13,576	20,953	15,643	12,427
Dry (22%)	10,279	12,868	15,442	17,444	21,202	20,656	12,990	10,959	12,222	19,272	16,965	12,155
Critical (15%)	10,073	9,633	11,816	14,281	14,708	13,245	10,229	7,749	9,884	15,397	10,095	8,485

Alternative 4 H3 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	13,712	14,933	41,385	56,774	61,553	53,112	36,794	24,977	16,222	23,588	14,616	20,862
20%	11,817	12,493	28,040	48,057	54,463	42,617	23,561	16,042	14,605	22,096	12,733	20,066
30%	9,874	10,814	18,862	31,725	41,202	31,105	16,369	13,288	13,800	19,168	11,413	15,948
40%	9,059	10,273	16,948	21,260	36,258	21,771	13,877	12,277	13,214	17,553	10,607	12,779
50%	8,975	9,059	14,913	19,549	23,024	17,508	12,274	11,728	12,968	16,030	9,736	11,635
60%	8,831	8,466	13,327	16,774	18,518	16,062	11,720	10,881	12,022	14,519	9,495	9,417
70%	8,610	8,349	12,768	14,723	15,750	15,029	10,782	10,426	11,733	12,256	9,113	7,814
80%	8,070	8,010	11,931	12,894	14,364	12,963	10,305	9,457	10,847	10,423	8,176	7,689
90%	7,233	7,028	9,058	11,554	11,389	10,716	9,853	8,030	9,317	8,740	7,924	7,386
Long Term												
Full Simulation Period[a]	9,831	11,219	20,154	27,220	31,736	26,086	18,066	13,953	13,124	16,151	10,733	12,874
Water Year Types[b]												
Wet (32%)	10,166	14,622	31,257	43,883	49,932	40,299	28,339	18,652	15,070	18,173	10,427	19,827
Above Normal (15%)	10,291	11,531	20,348	33,047	39,397	35,162	17,897	15,722	14,041	20,291	12,175	13,210
Below Normal (17%)	10,197	9,467	15,155	18,431	25,437	16,710	14,235	12,134	13,247	17,266	12,274	8,515
Dry (22%)	9,011	9,467	13,977	14,939	17,751	16,213	11,826	11,633	12,087	13,429	10,582	8,861
Critical (15%)	9,452	8,209	11,005	13,966	12,979	11,961	9,808	7,608	9,403	10,410	8,382	8,580

Alternative 4 H3 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-1,617	-9,451	-9,780	-6,905	-6,987	-8,046	-13,385	-16,903	-9,637	266	-3,258	1,376
20%	-1,870	-3,288	-8,167	-8,013	-6,555	-9,180	-14,880	-11,748	-5,579	-395	-4,702	3,050
30%	-2,911	-3,696	-6,009	-9,399	-9,812	-11,981	-7,109	-5,248	-1,222	-1,986	-5,363	1,947
40%	-2,624	-3,234	-1,411	-9,714	-7,273	-11,982	-6,598	-2,894	-499	-2,635	-5,855	-788
50%	-2,208	-3,097	-1,455	-5,274	-10,492	-9,637	-3,861	-1,816	-173	-3,636	-6,287	-1,491
60%	-1,717	-2,640	-1,642	-2,780	-6,162	-5,958	-1,500	-1,036	-477	-4,915	-6,051	-3,278
70%	-1,100	-2,442	-157	-1,025	-4,158	-4,113	-1,171	-409	-419	-6,790	-5,967	-4,134
80%	-855	-1,554	429	-521	-508	-2,370	-883	-570	-648	-6,618	-5,135	-3,284
90%	-370	-1,376	-791	-987	-1,630	-865	104	-744	-831	-5,706	-2,072	-581
Long Term												
Full Simulation Period[a]	-1,781	-3,568	-3,572	-4,751	-5,379	-6,748	-5,103	-5,221	-3,288	-3,370	-4,477	-876
Water Year Types[b]												
Wet (32%)	-3,339	-4,825	-8,451	-7,078	-7,382	-9,117	-9,470	-13,296	-8,830	-1,703	-5,388	1,574
Above Normal (15%)	-827	-3,777	-1,315	-6,816	-6,280	-9,333	-8,082	-5,299	-2,268	-1,282	-3,702	12
Below Normal (17%)	-1,361	-3,107	-1,522	-5,349	-6,497	-7,779	-3,516	-2,093	-329	-3,687	-3,369	-3,912
Dry (22%)	-1,268	-3,402	-1,466	-2,504	-3,451	-4,443	-1,165	673	-135	-5,843	-6,384	-3,294
Critical (15%)	-621	-1,423	-811	-315	-1,729	-1,285	-420	-141	-480	-4,987	-1,713	95

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-21-8. Sacramento River d/s of North Delta Diversion, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	15,329	24,384	51,165	63,679	68,541	61,159	50,180	41,880	25,859	23,322	17,874	19,486
20%	13,687	15,781	36,208	56,070	61,018	51,797	38,440	27,790	20,184	22,492	17,435	17,016
30%	12,785	14,510	24,871	41,125	51,014	43,086	23,478	18,536	15,022	21,154	16,777	14,001
40%	11,683	13,507	18,359	30,974	43,531	33,753	20,474	15,172	13,712	20,188	16,461	13,567
50%	11,184	12,156	16,368	24,823	33,515	27,145	16,135	13,545	13,141	19,667	16,023	13,126
60%	10,548	11,106	14,969	19,554	24,680	22,020	13,220	11,917	12,500	19,434	15,547	12,695
70%	9,710	10,791	12,925	15,748	19,908	19,142	11,953	10,835	12,152	19,046	15,080	11,948
80%	8,925	9,564	11,502	13,415	14,871	15,333	11,188	10,027	11,496	17,041	13,312	10,972
90%	7,603	8,404	9,849	12,542	13,019	11,580	9,749	8,774	10,147	14,446	9,996	7,967
Long Term												
Full Simulation Period[a]	11,613	14,788	23,727	31,971	37,116	32,834	23,169	19,175	16,412	19,520	15,210	13,751
Water Year Types[b]												
Wet (32%)	13,505	19,447	39,708	50,961	57,314	49,416	37,809	31,948	23,900	19,876	15,816	18,254
Above Normal (15%)	11,118	15,309	21,663	39,863	45,676	44,495	25,979	21,021	16,309	21,574	15,877	13,198
Below Normal (17%)	11,557	12,574	16,678	23,781	31,934	24,489	17,752	14,227	13,576	20,953	15,643	12,427
Dry (22%)	10,279	12,868	15,442	17,444	21,202	20,656	12,990	10,959	12,222	19,272	16,965	12,155
Critical (15%)	10,073	9,633	11,816	14,281	14,708	13,245	10,229	7,749	9,884	15,397	10,095	8,485

Alternative 4 H4 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	13,675	14,951	41,651	58,426	61,583	53,119	39,799	27,559	15,124	21,505	14,916	21,015
20%	11,344	12,872	27,401	46,374	53,856	42,567	28,012	19,751	13,354	18,744	13,329	20,154
30%	9,516	10,628	19,747	31,876	41,436	30,411	24,727	16,897	12,459	17,542	12,745	15,417
40%	9,027	10,260	16,905	21,177	36,599	24,244	21,123	14,248	11,889	16,303	11,971	13,257
50%	8,914	9,308	14,676	19,245	23,783	20,320	17,461	12,208	11,372	15,083	10,211	12,283
60%	8,795	8,378	13,102	16,203	18,675	18,339	12,728	11,431	10,855	13,183	9,291	10,276
70%	8,504	8,247	12,399	13,902	16,360	16,075	10,916	10,639	10,349	11,350	8,764	8,793
80%	8,046	7,915	9,846	12,684	14,073	13,528	10,334	9,758	9,889	9,797	8,234	7,825
90%	7,187	7,000	8,438	11,264	10,936	10,765	9,695	8,041	9,010	8,578	8,021	7,625
Long Term												
Full Simulation Period[a]	9,712	11,231	19,981	26,882	31,840	27,105	20,865	15,481	12,072	14,838	10,965	13,221
Water Year Types[b]												
Wet (32%)	10,117	14,557	31,752	43,431	49,815	41,904	32,440	22,238	13,371	16,275	10,041	19,710
Above Normal (15%)	10,625	11,685	19,748	32,999	39,450	35,541	23,219	18,057	11,894	16,332	11,215	13,146
Below Normal (17%)	9,340	9,586	14,902	18,786	26,096	18,484	18,304	12,955	13,020	16,143	12,675	8,982
Dry (22%)	8,880	9,345	13,537	14,662	17,765	16,956	12,022	11,240	11,528	13,557	12,117	9,937
Critical (15%)	9,606	8,320	10,300	12,682	13,098	11,884	9,686	7,575	9,151	10,630	8,994	9,106

Alternative 4 H4 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-1,653	-9,433	-9,514	-5,253	-6,958	-8,039	-10,380	-14,321	-10,735	-1,817	-2,958	1,529
20%	-2,343	-2,910	-8,806	-9,696	-7,163	-9,230	-10,429	-8,039	-6,830	-3,748	-4,105	3,138
30%	-3,269	-3,882	-5,124	-9,249	-9,578	-12,675	1,249	-1,639	-2,563	-3,612	-4,031	1,416
40%	-2,656	-3,246	-1,455	-9,797	-6,932	-9,509	649	-924	-1,824	-3,884	-4,490	-309
50%	-2,269	-2,848	-1,692	-5,577	-9,733	-6,825	1,326	-1,337	-1,769	-4,584	-5,812	-843
60%	-1,753	-2,728	-1,867	-3,351	-6,005	-3,680	-492	-486	-1,645	-6,251	-6,255	-2,419
70%	-1,206	-2,544	-526	-1,846	-3,548	-3,067	-1,037	-196	-1,803	-7,696	-6,317	-3,155
80%	-879	-1,649	-1,656	-731	-799	-1,806	-854	-270	-1,607	-7,244	-5,077	-3,147
90%	-416	-1,404	-1,411	-1,278	-2,084	-816	-54	-733	-1,137	-5,868	-1,975	-342
Long Term												
Full Simulation Period[a]	-1,900	-3,556	-3,746	-5,089	-5,276	-5,729	-2,304	-3,694	-4,339	-4,682	-4,245	-530
Water Year Types[b]												
Wet (32%)	-3,388	-4,890	-7,956	-7,530	-7,499	-7,512	-5,368	-9,710	-10,529	-3,601	-5,775	1,456
Above Normal (15%)	-493	-3,623	-1,915	-6,864	-6,226	-8,954	-2,759	-2,964	-4,415	-5,242	-4,662	-52
Below Normal (17%)	-2,217	-2,988	-1,776	-4,995	-5,838	-6,005	553	-1,272	-556	-4,810	-2,967	-3,445
Dry (22%)	-1,399	-3,523	-1,905	-2,782	-3,437	-3,700	-968	281	-695	-5,715	-4,848	-2,219
Critical (15%)	-467	-1,313	-1,516	-1,599	-1,610	-1,361	-543	-174	-733	-4,767	-1,101	621

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-21-9. Sacramento River d/s of North Delta Diversion, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	15,329	24,384	51,165	63,679	68,541	61,159	50,180	41,880	25,859	23,322	17,874	19,486
20%	13,687	15,781	36,208	56,070	61,018	51,797	38,440	27,790	20,184	22,492	17,435	17,016
30%	12,785	14,510	24,871	41,125	51,014	43,086	23,478	18,536	15,022	21,154	16,777	14,001
40%	11,683	13,507	18,359	30,974	43,531	33,753	20,474	15,172	13,712	20,188	16,461	13,567
50%	11,184	12,156	16,368	24,823	33,515	27,145	16,135	13,545	13,141	19,667	16,023	13,126
60%	10,548	11,106	14,969	19,554	24,680	22,020	13,220	11,917	12,500	19,434	15,547	12,695
70%	9,710	10,791	12,925	15,748	19,908	19,142	11,953	10,835	12,152	19,046	15,080	11,948
80%	8,925	9,564	11,502	13,415	14,871	15,333	11,188	10,027	11,496	17,041	13,312	10,972
90%	7,603	8,404	9,849	12,542	13,019	11,580	9,749	8,774	10,147	14,446	9,996	7,967
Long Term												
Full Simulation Period[a]	11,613	14,788	23,727	31,971	37,116	32,834	23,169	19,175	16,412	19,520	15,210	13,751
Water Year Types[b]												
Wet (32%)	13,505	19,447	39,708	50,961	57,314	49,416	37,809	31,948	23,900	19,876	15,816	18,254
Above Normal (15%)	11,118	15,309	21,663	39,863	45,676	44,495	25,979	21,021	16,309	21,574	15,877	13,198
Below Normal (17%)	11,557	12,574	16,678	23,781	31,934	24,489	17,752	14,227	13,576	20,953	15,643	12,427
Dry (22%)	10,279	12,868	15,442	17,444	21,202	20,656	12,990	10,959	12,222	19,272	16,965	12,155
Critical (15%)	10,073	9,633	11,816	14,281	14,708	13,245	10,229	7,749	9,884	15,397	10,095	8,485

Alternative 5 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	16,096	17,406	39,873	62,960	67,480	59,117	42,723	30,864	18,491	24,301	16,381	22,540
20%	13,287	13,890	29,249	53,911	60,676	48,660	29,206	19,199	16,323	22,556	14,533	21,570
30%	11,518	12,372	20,113	36,365	46,073	37,668	19,715	14,768	15,276	21,054	13,494	18,752
40%	10,724	11,068	17,123	22,761	39,472	26,479	17,051	12,297	14,375	20,497	12,320	13,603
50%	10,242	10,313	15,248	20,256	27,428	21,042	13,274	11,772	13,824	19,439	11,102	9,017
60%	9,300	9,452	14,160	17,893	21,115	18,046	12,295	11,019	12,938	17,053	10,075	7,786
70%	9,011	8,423	13,763	15,273	17,331	16,440	11,483	10,571	12,317	15,203	8,514	7,749
80%	8,691	8,163	12,311	13,327	14,873	14,183	10,614	9,408	11,692	12,622	8,052	7,707
90%	7,278	7,181	9,311	11,961	12,195	11,333	10,164	8,245	10,529	9,127	7,725	7,456
Long Term												
Full Simulation Period[a]	11,076	12,189	21,211	29,782	35,046	29,549	20,392	15,304	14,565	17,792	11,533	13,412
Water Year Types[b]												
Wet (32%)	11,391	16,257	33,322	49,145	55,715	45,934	32,697	22,146	18,047	19,907	12,305	21,999
Above Normal (15%)	11,581	12,551	21,261	36,016	43,788	40,636	21,217	17,335	15,515	20,932	14,430	14,678
Below Normal (17%)	12,374	10,073	15,769	20,282	27,821	19,149	15,607	11,993	14,335	19,596	13,100	8,230
Dry (22%)	9,765	10,387	14,862	15,591	19,346	17,944	12,406	11,775	12,430	15,476	9,655	7,705
Critical (15%)	10,341	8,183	10,796	13,962	13,500	12,499	10,469	7,608	9,541	11,440	7,954	8,144

Alternative 5 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	768	-6,978	-11,292	-718	-1,060	-2,042	-7,457	-11,016	-7,368	980	-1,493	3,054
20%	-401	-1,891	-6,959	-2,159	-342	-3,137	-9,234	-8,591	-3,861	64	-2,902	4,554
30%	-1,266	-2,138	-4,758	-4,759	-4,941	-5,419	-3,763	-3,768	254	-100	-3,282	4,751
40%	-959	-2,438	-1,236	-8,213	-4,059	-7,274	-3,423	-2,875	662	309	-4,141	37
50%	-941	-1,843	-1,120	-4,566	-6,087	-6,102	-2,861	-1,773	683	-227	-4,921	-4,109
60%	-1,247	-1,654	-809	-1,661	-3,565	-3,974	-925	-898	438	-2,381	-5,472	-4,909
70%	-699	-2,368	838	-475	-2,577	-2,702	-470	-264	165	-3,844	-6,566	-4,199
80%	-235	-1,400	809	-88	2	-1,150	-574	-619	196	-4,419	-5,259	-3,265
90%	-325	-1,223	-538	-580	-825	-247	415	-528	381	-5,319	-2,271	-511
Long Term												
Full Simulation Period[a]	-537	-2,599	-2,515	-2,189	-2,070	-3,285	-2,777	-3,870	-1,847	-1,728	-3,677	-339
Water Year Types[b]												
Wet (32%)	-2,114	-3,190	-6,386	-1,816	-1,599	-3,482	-5,112	-9,802	-5,853	31	-3,510	3,745
Above Normal (15%)	462	-2,757	-402	-3,847	-1,888	-3,860	-4,761	-3,685	-794	-642	-1,447	1,480
Below Normal (17%)	817	-2,501	-908	-3,499	-4,113	-5,339	-2,144	-2,234	760	-1,357	-2,542	-4,197
Dry (22%)	-514	-2,482	-581	-1,852	-1,855	-2,712	-584	816	207	-3,796	-7,310	-4,450
Critical (15%)	268	-1,450	-1,020	-319	-1,207	-746	240	-141	-343	-3,957	-2,141	-341

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-21-10. Sacramento River d/s of North Delta Diversion, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	15,329	24,384	51,165	63,679	68,541	61,159	50,180	41,880	25,859	23,322	17,874	19,486
20%	13,687	15,781	36,208	56,070	61,018	51,797	38,440	27,790	20,184	22,492	17,435	17,016
30%	12,785	14,510	24,871	41,125	51,014	43,086	23,478	18,536	15,022	21,154	16,777	14,001
40%	11,683	13,507	18,359	30,974	43,531	33,753	20,474	15,172	13,712	20,188	16,461	13,567
50%	11,184	12,156	16,368	24,823	33,515	27,145	16,135	13,545	13,141	19,667	16,023	13,126
60%	10,548	11,106	14,969	19,554	24,680	22,020	13,220	11,917	12,500	19,434	15,547	12,695
70%	9,710	10,791	12,925	15,748	19,908	19,142	11,953	10,835	12,152	19,046	15,080	11,948
80%	8,925	9,564	11,502	13,415	14,871	15,333	11,188	10,027	11,496	17,041	13,312	10,972
90%	7,603	8,404	9,849	12,542	13,019	11,580	9,749	8,774	10,147	14,446	9,996	7,967
Long Term												
Full Simulation Period[a]	11,613	14,788	23,727	31,971	37,116	32,834	23,169	19,175	16,412	19,520	15,210	13,751
Water Year Types[b]												
Wet (32%)	13,505	19,447	39,708	50,961	57,314	49,416	37,809	31,948	23,900	19,876	15,816	18,254
Above Normal (15%)	11,118	15,309	21,663	39,863	45,676	44,495	25,979	21,021	16,309	21,574	15,877	13,198
Below Normal (17%)	11,557	12,574	16,678	23,781	31,934	24,489	17,752	14,227	13,576	20,953	15,643	12,427
Dry (22%)	10,279	12,868	15,442	17,444	21,202	20,656	12,990	10,959	12,222	19,272	16,965	12,155
Critical (15%)	10,073	9,633	11,816	14,281	14,708	13,245	10,229	7,749	9,884	15,397	10,095	8,485

Alternative 6A,6B,6C (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	10,114	14,440	38,024	51,444	56,905	50,042	35,416	20,523	13,058	12,633	8,222	17,647
20%	9,508	12,431	27,153	43,323	48,480	38,834	21,053	14,183	11,829	10,715	8,115	16,241
30%	8,797	10,606	19,180	29,503	36,543	30,643	15,856	12,190	11,312	9,790	8,055	12,044
40%	7,752	9,632	16,738	20,493	31,905	19,305	13,051	10,613	10,853	8,936	8,008	9,675
50%	7,379	8,220	14,533	19,001	21,342	17,091	12,012	10,285	10,502	8,750	7,884	7,722
60%	7,110	7,976	12,783	16,583	18,237	15,697	10,819	9,866	10,261	8,495	7,794	7,548
70%	6,930	7,659	10,950	13,872	16,194	14,577	10,155	9,275	10,003	8,228	7,656	7,396
80%	6,842	7,241	9,384	12,672	14,053	12,578	9,573	8,502	9,376	8,123	7,589	7,219
90%	6,687	6,842	8,114	10,991	11,401	10,180	8,608	7,246	8,239	8,024	7,511	7,097
Long Term												
Full Simulation Period[a]	8,005	10,610	19,310	25,550	29,488	24,745	16,852	12,592	11,095	9,493	7,833	10,528
Water Year Types[b]												
Wet (32%)	8,932	13,820	30,748	40,766	45,420	38,019	26,595	17,319	12,574	10,821	7,958	16,245
Above Normal (15%)	7,628	11,310	19,124	31,058	35,943	32,872	16,544	14,270	11,144	10,512	8,050	10,687
Below Normal (17%)	8,366	8,993	14,382	17,958	23,861	15,850	13,066	10,720	11,376	8,811	7,844	7,482
Dry (22%)	7,297	8,725	13,199	14,651	17,172	16,122	11,066	9,892	10,314	8,302	7,776	7,397
Critical (15%)	7,014	7,666	9,627	12,282	13,552	11,173	9,147	6,908	8,686	8,181	7,417	6,233

Alternative 6A,6B,6C (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-5,215	-9,944	-13,141	-12,235	-11,636	-11,117	-14,763	-21,356	-12,801	-10,689	-9,653	-1,839
20%	-4,180	-3,351	-9,055	-12,747	-12,538	-12,963	-17,387	-13,607	-8,354	-11,776	-9,320	-775
30%	-3,987	-3,904	-5,691	-11,621	-14,471	-12,444	-7,622	-6,346	-3,709	-11,363	-8,722	-1,957
40%	-3,931	-3,874	-1,621	-10,481	-11,626	-14,449	-7,423	-4,559	-2,859	-11,251	-8,453	-3,892
50%	-3,804	-3,935	-1,836	-5,822	-12,174	-10,054	-4,124	-3,259	-2,639	-10,916	-8,139	-5,403
60%	-3,438	-3,130	-2,186	-2,971	-6,443	-6,323	-2,401	-2,051	-2,239	-10,939	-7,753	-5,147
70%	-2,780	-3,132	-1,974	-1,876	-3,713	-4,565	-1,798	-1,560	-2,149	-10,818	-7,425	-4,552
80%	-2,083	-2,323	-2,118	-743	-818	-2,755	-1,615	-1,525	-2,119	-8,918	-5,723	-3,753
90%	-916	-1,562	-1,735	-1,551	-1,618	-1,400	-1,141	-1,527	-1,908	-6,422	-2,486	-870
Long Term												
Full Simulation Period[a]	-3,608	-4,178	-4,417	-6,421	-7,628	-8,088	-6,317	-6,583	-5,317	-10,027	-7,377	-3,223
Water Year Types[b]												
Wet (32%)	-4,572	-5,627	-8,960	-10,195	-11,894	-11,397	-11,214	-14,629	-11,326	-9,055	-7,858	-2,008
Above Normal (15%)	-3,490	-3,998	-2,539	-8,805	-9,734	-11,624	-9,435	-6,751	-5,165	-11,062	-7,826	-2,511
Below Normal (17%)	-3,191	-3,580	-2,296	-5,823	-8,072	-8,639	-4,685	-3,507	-2,199	-12,142	-7,798	-4,945
Dry (22%)	-2,982	-4,143	-2,244	-2,793	-4,030	-4,535	-1,924	-1,067	-1,909	-10,970	-9,190	-4,758
Critical (15%)	-3,059	-1,967	-2,189	-2,000	-1,156	-2,073	-1,081	-841	-1,198	-7,216	-2,678	-2,252

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-21-11. Sacramento River d/s of North Delta Diversion, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	15,329	24,384	51,165	63,679	68,541	61,159	50,180	41,880	25,859	23,322	17,874	19,486
20%	13,687	15,781	36,208	56,070	61,018	51,797	38,440	27,790	20,184	22,492	17,435	17,016
30%	12,785	14,510	24,871	41,125	51,014	43,086	23,478	18,536	15,022	21,154	16,777	14,001
40%	11,683	13,507	18,359	30,974	43,531	33,753	20,474	15,172	13,712	20,188	16,461	13,567
50%	11,184	12,156	16,368	24,823	33,515	27,145	16,135	13,545	13,141	19,667	16,023	13,126
60%	10,548	11,106	14,969	19,554	24,680	22,020	13,220	11,917	12,500	19,434	15,547	12,695
70%	9,710	10,791	12,925	15,748	19,908	19,142	11,953	10,835	12,152	19,046	15,080	11,948
80%	8,925	9,564	11,502	13,415	14,871	15,333	11,188	10,027	11,496	17,041	13,312	10,972
90%	7,603	8,404	9,849	12,542	13,019	11,580	9,749	8,774	10,147	14,446	9,996	7,967
Long Term												
Full Simulation Period[a]	11,613	14,788	23,727	31,971	37,116	32,834	23,169	19,175	16,412	19,520	15,210	13,751
Water Year Types[b]												
Wet (32%)	13,505	19,447	39,708	50,961	57,314	49,416	37,809	31,948	23,900	19,876	15,816	18,254
Above Normal (15%)	11,118	15,309	21,663	39,863	45,676	44,495	25,979	21,021	16,309	21,574	15,877	13,198
Below Normal (17%)	11,557	12,574	16,678	23,781	31,934	24,489	17,752	14,227	13,576	20,953	15,643	12,427
Dry (22%)	10,279	12,868	15,442	17,444	21,202	20,656	12,990	10,959	12,222	19,272	16,965	12,155
Critical (15%)	10,073	9,633	11,816	14,281	14,708	13,245	10,229	7,749	9,884	15,397	10,095	8,485

Alternative 7 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	10,196	15,016	39,142	56,658	61,636	52,681	39,182	25,125	14,252	24,101	16,243	21,314
20%	9,264	12,918	26,206	47,490	53,666	41,404	25,626	16,097	12,682	22,792	14,798	20,580
30%	8,929	10,780	18,863	31,688	40,347	30,203	18,421	13,208	11,926	21,612	14,028	15,434
40%	8,529	10,017	16,787	20,714	35,202	21,426	14,514	10,652	11,582	19,445	12,326	12,490
50%	8,157	8,399	14,579	19,266	22,714	18,677	12,129	10,422	11,348	17,559	11,822	10,730
60%	7,827	8,203	12,990	17,011	18,664	17,033	11,046	9,933	11,060	16,388	11,385	8,897
70%	7,328	7,911	11,186	14,028	16,761	15,739	10,224	9,301	10,869	13,710	10,881	7,801
80%	7,053	7,617	9,502	12,682	14,822	13,306	9,732	8,642	10,785	12,152	10,565	7,653
90%	6,888	6,893	8,354	11,161	11,530	10,339	8,689	7,395	10,620	11,006	10,477	7,414
Long Term												
Full Simulation Period[a]	8,495	11,033	19,558	27,017	31,710	26,109	18,164	13,330	12,280	17,733	12,847	12,754
Water Year Types[b]												
Wet (32%)	9,252	14,617	31,205	44,047	49,513	39,986	29,218	18,659	13,919	19,462	12,756	20,019
Above Normal (15%)	8,774	11,767	19,328	33,074	39,436	34,531	18,265	15,353	12,391	21,352	13,856	13,212
Below Normal (17%)	8,404	9,192	14,563	18,521	25,509	17,736	13,846	10,832	12,154	19,692	15,330	8,913
Dry (22%)	7,840	8,936	13,237	14,692	17,730	16,744	11,395	9,910	11,054	15,601	11,934	8,397
Critical (15%)	7,662	7,824	9,864	12,460	13,611	11,437	9,308	7,810	10,605	11,279	10,505	7,570

Alternative 7 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-5,133	-9,367	-12,023	-7,021	-6,905	-8,478	-10,997	-16,754	-11,607	779	-1,631	1,828
20%	-4,424	-2,864	-10,001	-8,580	-7,352	-10,393	-12,815	-11,693	-7,502	300	-2,637	3,564
30%	-3,856	-3,730	-6,008	-9,437	-10,667	-12,884	-5,057	-5,328	-3,095	459	-2,749	1,433
40%	-3,154	-3,490	-1,572	-10,260	-8,329	-12,327	-5,960	-4,519	-2,130	-743	-4,135	-1,076
50%	-3,026	-3,757	-1,789	-5,556	-10,802	-8,467	-4,006	-3,123	-1,793	-2,108	-4,201	-2,396
60%	-2,721	-2,903	-1,978	-2,544	-6,016	-4,987	-2,174	-1,984	-1,439	-3,045	-4,162	-3,798
70%	-2,382	-2,879	-1,738	-1,720	-3,147	-3,403	-1,729	-1,535	-1,283	-5,336	-4,199	-4,147
80%	-1,872	-1,946	-2,001	-733	-50	-2,027	-1,456	-1,386	-711	-4,889	-2,747	-3,319
90%	-715	-1,511	-1,495	-1,380	-1,489	-1,241	-1,060	-1,378	473	-3,441	480	-553
Long Term												
Full Simulation Period[a]	-3,118	-3,755	-4,168	-4,954	-5,406	-6,725	-5,005	-5,844	-4,132	-1,787	-2,364	-997
Water Year Types[b]												
Wet (32%)	-4,253	-4,830	-8,503	-6,914	-7,801	-9,430	-8,590	-13,289	-9,981	-414	-3,060	1,766
Above Normal (15%)	-2,344	-3,542	-2,335	-6,789	-6,240	-9,964	-7,714	-5,668	-3,918	-222	-2,020	13
Below Normal (17%)	-3,153	-3,382	-2,114	-5,260	-6,425	-6,753	-3,906	-3,395	-1,421	-1,261	-312	-3,514
Dry (22%)	-2,439	-3,932	-2,205	-2,752	-3,472	-3,913	-1,595	-1,050	-1,169	-3,670	-5,031	-3,758
Critical (15%)	-2,411	-1,809	-1,952	-1,821	-1,097	-1,808	-921	61	721	-4,118	410	-915

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-21-12. Sacramento River d/s of North Delta Diversion, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	15,329	24,384	51,165	63,679	68,541	61,159	50,180	41,880	25,859	23,322	17,874	19,486
20%	13,687	15,781	36,208	56,070	61,018	51,797	38,440	27,790	20,184	22,492	17,435	17,016
30%	12,785	14,510	24,871	41,125	51,014	43,086	23,478	18,536	15,022	21,154	16,777	14,001
40%	11,683	13,507	18,359	30,974	43,531	33,753	20,474	15,172	13,712	20,188	16,461	13,567
50%	11,184	12,156	16,368	24,823	33,515	27,145	16,135	13,545	13,141	19,667	16,023	13,126
60%	10,548	11,106	14,969	19,554	24,680	22,020	13,220	11,917	12,500	19,434	15,547	12,695
70%	9,710	10,791	12,925	15,748	19,908	19,142	11,953	10,835	12,152	19,046	15,080	11,948
80%	8,925	9,564	11,502	13,415	14,871	15,333	11,188	10,027	11,496	17,041	13,312	10,972
90%	7,603	8,404	9,849	12,542	13,019	11,580	9,749	8,774	10,147	14,446	9,996	7,967
Long Term												
Full Simulation Period[a]	11,613	14,788	23,727	31,971	37,116	32,834	23,169	19,175	16,412	19,520	15,210	13,751
Water Year Types[b]												
Wet (32%)	13,505	19,447	39,708	50,961	57,314	49,416	37,809	31,948	23,900	19,876	15,816	18,254
Above Normal (15%)	11,118	15,309	21,663	39,863	45,676	44,495	25,979	21,021	16,309	21,574	15,877	13,198
Below Normal (17%)	11,557	12,574	16,678	23,781	31,934	24,489	17,752	14,227	13,576	20,953	15,643	12,427
Dry (22%)	10,279	12,868	15,442	17,444	21,202	20,656	12,990	10,959	12,222	19,272	16,965	12,155
Critical (15%)	10,073	9,633	11,816	14,281	14,708	13,245	10,229	7,749	9,884	15,397	10,095	8,485

Alternative 8 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	10,000	14,871	41,752	58,590	61,401	55,242	43,480	27,822	15,798	13,097	10,894	21,007
20%	8,917	12,594	27,273	46,716	54,307	41,113	30,578	19,923	13,125	12,535	10,862	20,118
30%	8,485	10,754	19,384	33,657	43,102	31,734	22,240	17,646	11,608	12,039	10,816	15,340
40%	8,101	9,836	16,767	25,275	36,285	23,828	19,655	15,838	10,857	11,379	10,715	12,372
50%	7,755	8,467	14,273	21,017	27,260	21,080	18,044	14,420	10,768	11,305	10,530	7,839
60%	7,385	8,395	12,902	17,729	19,891	18,954	16,397	12,998	10,681	11,042	10,437	7,714
70%	6,928	8,322	10,854	14,955	18,277	17,618	14,780	11,350	10,623	10,912	10,320	7,485
80%	6,771	7,879	9,412	12,777	16,457	15,170	13,051	10,026	10,407	10,405	10,097	7,401
90%	5,620	6,977	7,870	10,829	11,922	13,180	11,286	8,076	9,863	9,968	8,748	7,233
Long Term												
Full Simulation Period[a]	8,014	11,062	19,491	28,220	33,054	27,833	22,323	16,588	12,194	11,456	10,258	12,075
Water Year Types[b]												
Wet (32%)	8,576	14,687	31,790	45,128	49,638	40,489	32,507	22,834	14,671	12,814	10,818	19,758
Above Normal (15%)	8,673	11,148	18,460	35,427	41,167	35,489	23,452	18,114	12,425	11,657	10,574	12,835
Below Normal (17%)	7,898	9,318	14,285	20,596	27,639	19,686	20,076	15,228	11,369	10,312	9,820	7,697
Dry (22%)	7,558	9,334	13,025	15,365	20,251	20,361	16,150	12,587	10,356	10,829	10,283	7,464
Critical (15%)	6,955	7,750	9,644	12,556	14,534	13,466	11,011	9,114	10,316	10,587	9,203	6,696

Alternative 8 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	**-5,328**	**-9,512**	**-9,413**	**-5,089**	**-7,140**	**-5,916**	**-6,700**	**-14,057**	**-10,061**	**-10,224**	**-6,980**	1,521
20%	**-4,771**	**-3,188**	**-8,935**	**-9,354**	**-6,711**	**-10,684**	**-7,862**	**-7,867**	**-7,059**	**-9,957**	**-6,573**	3,102
30%	**-4,299**	**-3,756**	**-5,487**	**-7,468**	**-7,912**	**-11,353**	**-1,238**	**-890**	**-3,414**	**-9,115**	**-5,961**	1,339
40%	**-3,582**	**-3,670**	**-1,592**	**-5,699**	**-7,246**	**-9,925**	**-819**	666	**-2,855**	**-8,808**	**-5,747**	**-1,195**
50%	**-3,428**	**-3,689**	**-2,095**	**-3,806**	**-6,255**	**-6,065**	1,908	875	**-2,373**	**-8,362**	**-5,492**	**-5,286**
60%	**-3,163**	**-2,711**	**-2,066**	**-1,825**	**-4,789**	**-3,066**	3,177	1,081	**-1,819**	**-8,392**	**-5,110**	**-4,981**
70%	**-2,782**	**-2,468**	**-2,071**	**-793**	**-1,631**	**-1,525**	2,827	515	**-1,529**	**-8,134**	**-4,760**	**-4,463**
80%	**-2,154**	**-1,685**	**-2,090**	**-638**	1,585	**-163**	1,863	**-1**	**-1,089**	**-6,636**	**-3,215**	**-3,571**
90%	**-1,983**	**-1,426**	**-1,979**	**-1,713**	**-1,097**	1,600	1,537	**-698**	**-284**	**-4,478**	**-1,248**	**-734**
Long Term												
Full Simulation Period[a]	**-3,599**	**-3,725**	**-4,236**	**-3,751**	**-4,061**	**-5,001**	**-846**	**-2,587**	**-4,218**	**-8,065**	**-4,952**	**-1,675**
Water Year Types[b]												
Wet (32%)	**-4,928**	**-4,760**	**-7,918**	**-5,834**	**-7,676**	**-8,927**	**-5,302**	**-9,114**	**-9,229**	**-7,062**	**-4,998**	1,504
Above Normal (15%)	**-2,446**	**-4,161**	**-3,203**	**-4,436**	**-4,509**	**-9,006**	**-2,527**	**-2,906**	**-3,883**	**-9,917**	**-5,303**	**-363**
Below Normal (17%)	**-3,660**	**-3,256**	**-2,392**	**-3,185**	**-4,294**	**-4,803**	2,324	1,001	**-2,207**	**-10,641**	**-5,822**	**-4,730**
Dry (22%)	**-2,721**	**-3,534**	**-2,418**	**-2,079**	**-951**	**-296**	3,160	1,628	**-1,867**	**-8,443**	**-6,683**	**-4,691**
Critical (15%)	**-3,119**	**-1,883**	**-2,172**	**-1,725**	**-174**	221	783	1,365	433	**-4,810**	**-892**	**-1,789**

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-21-13. Sacramento River d/s of North Delta Diversion, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	15,329	24,384	51,165	63,679	68,541	61,159	50,180	41,880	25,859	23,322	17,874	19,486
20%	13,687	15,781	36,208	56,070	61,018	51,797	38,440	27,790	20,184	22,492	17,435	17,016
30%	12,785	14,510	24,871	41,125	51,014	43,086	23,478	18,536	15,022	21,154	16,777	14,001
40%	11,683	13,507	18,359	30,974	43,531	33,753	20,474	15,172	13,712	20,188	16,461	13,567
50%	11,184	12,156	16,368	24,823	33,515	27,145	16,135	13,545	13,141	19,667	16,023	13,126
60%	10,548	11,106	14,969	19,554	24,680	22,020	13,220	11,917	12,500	19,434	15,547	12,695
70%	9,710	10,791	12,925	15,748	19,908	19,142	11,953	10,835	12,152	19,046	15,080	11,948
80%	8,925	9,564	11,502	13,415	14,871	15,333	11,188	10,027	11,496	17,041	13,312	10,972
90%	7,603	8,404	9,849	12,542	13,019	11,580	9,749	8,774	10,147	14,446	9,996	7,967
Long Term												
Full Simulation Period[a]	11,613	14,788	23,727	31,971	37,116	32,834	23,169	19,175	16,412	19,520	15,210	13,751
Water Year Types[b]												
Wet (32%)	13,505	19,447	39,708	50,961	57,314	49,416	37,809	31,948	23,900	19,876	15,816	18,254
Above Normal (15%)	11,118	15,309	21,663	39,863	45,676	44,495	25,979	21,021	16,309	21,574	15,877	13,198
Below Normal (17%)	11,557	12,574	16,678	23,781	31,934	24,489	17,752	14,227	13,576	20,953	15,643	12,427
Dry (22%)	10,279	12,868	15,442	17,444	21,202	20,656	12,990	10,959	12,222	19,272	16,965	12,155
Critical (15%)	10,073	9,633	11,816	14,281	14,708	13,245	10,229	7,749	9,884	15,397	10,095	8,485

Alternative 9 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	14,875	21,280	46,850	66,066	70,409	62,166	45,740	33,733	17,834	24,544	17,186	30,722
20%	13,580	18,271	30,312	56,595	63,029	51,595	32,210	21,939	16,675	22,839	16,842	27,564
30%	12,675	16,700	20,958	38,932	49,123	39,341	22,671	17,424	15,261	21,462	16,577	23,501
40%	11,996	15,063	17,579	25,092	42,260	29,404	19,819	15,568	14,628	20,634	16,200	21,164
50%	10,965	14,162	15,372	21,556	30,909	23,794	15,879	14,281	13,850	19,023	15,770	13,203
60%	9,213	11,510	14,408	18,163	22,870	20,701	12,996	12,941	13,467	17,902	14,796	11,528
70%	8,767	10,032	13,487	14,760	18,525	18,207	12,046	11,770	12,844	16,705	13,639	8,855
80%	7,937	9,276	10,995	13,441	15,324	15,004	11,272	11,000	11,541	14,139	11,976	7,901
90%	7,080	7,910	9,390	11,763	11,726	11,410	10,595	8,230	10,526	12,136	9,730	7,575
Long Term												
Full Simulation Period[a]	10,958	14,812	22,051	31,080	36,857	31,560	22,096	17,459	14,837	18,754	14,571	17,021
Water Year Types[b]												
Wet (32%)	12,917	19,189	35,191	51,284	58,328	48,918	35,337	24,704	18,559	20,891	15,854	28,217
Above Normal (15%)	10,362	15,692	21,671	38,473	46,267	42,536	23,766	19,044	16,301	22,212	16,779	20,943
Below Normal (17%)	10,591	13,674	16,455	21,278	29,941	21,609	16,921	14,190	13,597	19,039	15,759	12,502
Dry (22%)	10,309	12,182	14,881	16,286	20,243	19,473	13,721	14,347	12,771	16,983	13,418	8,393
Critical (15%)	8,711	9,725	11,244	13,540	13,919	12,714	10,333	8,661	9,855	12,989	9,924	7,053

Alternative 9 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	**-454**	**-3,104**	**-4,315**	2,387	1,869	1,007	**-4,439**	**-8,147**	**-8,025**	1,222	**-689**	11,237
20%	**-108**	2,490	**-5,896**	525	2,011	**-203**	**-6,231**	**-5,850**	**-3,509**	347	**-592**	10,548
30%	**-110**	2,190	**-3,914**	**-2,193**	**-1,891**	**-3,745**	**-807**	**-1,112**	239	309	**-199**	9,500
40%	313	1,556	**-780**	**-5,882**	**-1,271**	**-4,349**	**-655**	396	915	446	**-262**	7,597
50%	**-219**	2,006	**-996**	**-3,266**	**-2,606**	**-3,351**	**-257**	736	709	**-644**	**-253**	78
60%	**-1,335**	404	**-561**	**-1,391**	**-1,810**	**-1,318**	**-224**	1,024	967	**-1,532**	**-751**	**-1,167**
70%	**-942**	**-759**	562	**-988**	**-1,383**	**-936**	93	935	692	**-2,341**	**-1,441**	**-3,093**
80%	**-988**	**-287**	**-507**	26	452	**-329**	84	972	45	**-2,902**	**-1,336**	**-3,072**
90%	**-524**	**-494**	**-459**	**-778**	**-1,294**	**-170**	846	**-543**	379	**-2,310**	**-266**	**-392**
Long Term												
Full Simulation Period[a]	**-655**	25	**-1,676**	**-891**	**-258**	**-1,274**	**-1,073**	**-1,716**	**-1,574**	**-766**	**-640**	3,270
Water Year Types[b]												
Wet (32%)	**-588**	**-258**	**-4,517**	323	1,014	**-498**	**-2,471**	**-7,244**	**-5,340**	1,015	38	9,963
Above Normal (15%)	**-757**	383	8	**-1,390**	590	**-1,959**	**-2,213**	**-1,977**	**-8**	638	902	7,745
Below Normal (17%)	**-967**	1,100	**-223**	**-2,503**	**-1,993**	**-2,879**	**-830**	**-37**	22	**-1,914**	117	75
Dry (22%)	30	**-687**	**-561**	**-1,158**	**-959**	**-1,183**	731	3,388	548	**-2,289**	**-3,547**	**-3,762**
Critical (15%)	**-1,362**	93	**-572**	**-741**	**-789**	**-531**	104	911	**-28**	**-2,408**	**-171**	**-1,432**

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-21-14. Sacramento River d/s of North Delta Diversion, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	14,435	20,962	48,944	66,024	70,601	64,123	49,287	33,970	18,605	24,301	17,873	28,941
20%	13,466	17,873	34,439	58,570	65,193	55,046	37,041	22,009	16,346	23,779	17,155	26,906
30%	13,050	16,500	22,195	41,078	51,329	43,737	22,974	15,877	15,446	23,144	16,643	23,495
40%	12,844	15,147	18,423	27,661	44,444	32,669	20,071	12,621	14,435	22,326	16,248	21,825
50%	12,222	13,967	15,978	23,077	34,352	25,226	15,091	11,917	13,529	21,328	15,814	12,816
60%	11,262	11,948	14,363	20,433	24,240	21,431	12,186	11,232	13,181	20,083	15,297	10,709
70%	10,150	9,878	13,693	17,598	18,831	18,863	11,465	10,915	12,650	18,123	14,198	9,131
80%	9,031	8,450	11,957	13,731	15,981	15,235	11,202	9,724	11,864	15,988	13,056	8,010
90%	7,567	7,451	8,981	12,260	12,487	11,683	10,128	8,700	10,906	12,214	9,128	7,614
Long Term												
Full Simulation Period[a]	11,776	14,647	22,784	32,595	38,087	33,134	22,826	16,295	14,880	19,797	14,891	16,763
Water Year Types[b]												
Wet (32%)	13,277	19,285	37,022	52,878	59,847	50,993	37,543	24,500	18,603	21,425	16,064	27,212
Above Normal (15%)	11,864	15,925	22,629	40,484	47,786	45,088	24,931	18,657	16,051	22,727	17,491	21,006
Below Normal (17%)	12,124	13,037	16,692	22,653	31,592	22,915	17,128	12,394	13,898	20,513	16,232	12,306
Dry (22%)	10,487	11,914	15,159	17,451	21,107	20,650	12,904	11,427	12,656	18,957	14,351	8,620
Critical (15%)	9,964	9,295	10,632	15,073	14,291	13,137	10,365	8,011	10,123	13,767	8,996	7,292

Alternative 1A,1B,1C (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	20,266	17,331	38,958	54,252	61,703	54,353	37,576	21,417	15,719	19,768	12,224	9,398
20%	18,336	8,983	27,023	44,343	52,554	41,185	22,140	14,896	15,036	17,569	10,837	8,391
30%	16,549	8,440	20,615	29,862	37,584	30,580	16,919	13,104	13,662	16,213	10,135	7,938
40%	14,902	8,410	17,783	22,106	32,698	20,871	14,682	12,307	12,778	14,901	9,509	7,795
50%	13,511	8,357	16,223	20,385	22,062	17,396	13,582	11,915	12,331	13,716	8,908	7,772
60%	11,058	8,231	14,573	18,073	18,179	15,704	12,586	11,336	11,936	12,711	8,476	7,725
70%	9,030	8,042	13,653	16,026	15,957	14,816	11,954	10,876	11,376	10,808	8,070	7,683
80%	8,837	7,748	11,937	13,620	14,297	12,663	10,877	9,919	10,848	9,877	7,925	7,618
90%	7,161	7,199	9,361	12,130	11,841	10,925	10,366	8,285	9,965	8,496	7,724	7,418
Long Term												
Full Simulation Period[a]	13,500	10,126	20,525	26,698	30,880	25,682	18,279	13,663	12,847	13,993	9,625	8,123
Water Year Types[b]												
Wet (32%)	13,281	13,258	31,205	42,014	48,632	40,210	27,818	17,764	14,397	15,809	9,210	7,963
Above Normal (15%)	13,607	9,667	21,404	32,151	37,562	33,116	17,618	14,932	14,276	15,970	11,175	8,249
Below Normal (17%)	14,504	8,487	15,751	18,962	24,113	16,602	14,856	12,411	13,069	14,056	9,744	7,900
Dry (22%)	12,687	8,551	14,448	16,372	17,556	16,014	12,911	11,868	11,844	12,278	10,152	8,330
Critical (15%)	13,918	8,074	11,195	12,576	13,618	11,863	10,315	7,660	9,306	10,579	8,047	8,298

Alternative 1A,1B,1C (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	5,831	**-3,630**	**-9,986**	**-11,772**	**-8,898**	**-9,769**	**-11,711**	**-12,552**	**-2,886**	**-4,533**	**-5,649**	**-19,543**
20%	4,870	**-8,890**	**-7,416**	**-14,227**	**-12,639**	**-13,861**	**-14,901**	**-7,113**	**-1,310**	**-6,210**	**-6,318**	**-18,515**
30%	3,499	**-8,059**	**-1,580**	**-11,216**	**-13,745**	**-13,156**	**-6,054**	**-2,773**	**-1,785**	**-6,931**	**-6,509**	**-15,557**
40%	2,058	**-6,737**	**-640**	**-5,555**	**-11,746**	**-11,798**	**-5,389**	**-314**	**-1,657**	**-7,425**	**-6,739**	**-14,030**
50%	1,289	**-5,610**	245	**-2,693**	**-12,291**	**-7,830**	**-1,509**	**-2**	**-1,198**	**-7,612**	**-6,906**	**-5,045**
60%	**-205**	**-3,717**	210	**-2,360**	**-6,061**	**-5,726**	400	104	**-1,245**	**-7,372**	**-6,821**	**-2,984**
70%	**-1,120**	**-1,836**	**-40**	**-1,572**	**-2,874**	**-4,047**	489	**-39**	**-1,273**	**-7,315**	**-6,128**	**-1,448**
80%	**-193**	**-702**	**-20**	**-111**	**-1,683**	**-2,571**	**-325**	195	**-1,016**	**-6,111**	**-5,131**	**-391**
90%	**-406**	**-252**	379	**-130**	**-646**	**-757**	239	**-415**	**-941**	**-3,719**	**-1,404**	**-196**
Long Term												
Full Simulation Period[a]	1,724	**-4,521**	**-2,258**	**-5,897**	**-7,207**	**-7,453**	**-4,548**	**-2,632**	**-2,032**	**-5,804**	**-5,266**	**-8,639**
Water Year Types[b]												
Wet (32%)	4	**-6,027**	**-5,817**	**-10,864**	**-11,214**	**-10,783**	**-9,725**	**-6,736**	**-4,206**	**-5,616**	**-6,853**	**-19,250**
Above Normal (15%)	1,743	**-6,258**	**-1,225**	**-8,333**	**-10,224**	**-11,972**	**-7,313**	**-3,724**	**-1,775**	**-6,757**	**-6,316**	**-12,757**
Below Normal (17%)	2,381	**-4,549**	**-941**	**-3,691**	**-7,479**	**-6,312**	**-2,272**	16	**-828**	**-6,457**	**-6,488**	**-4,406**
Dry (22%)	2,200	**-3,363**	**-711**	**-1,079**	**-3,551**	**-4,636**	7	442	**-812**	**-6,679**	**-4,199**	**-291**
Critical (15%)	3,954	**-1,222**	562	**-2,497**	**-673**	**-1,274**	**-50**	**-351**	**-816**	**-3,188**	**-950**	1,005

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-21-15. Sacramento River d/s of North Delta Diversion, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	14,435	20,962	48,944	66,024	70,601	64,123	49,287	33,970	18,605	24,301	17,873	28,941
20%	13,466	17,873	34,439	58,570	65,193	55,046	37,041	22,009	16,346	23,779	17,155	26,906
30%	13,050	16,500	22,195	41,078	51,329	43,737	22,974	15,877	15,446	23,144	16,643	23,495
40%	12,844	15,147	18,423	27,661	44,444	32,669	20,071	12,621	14,435	22,326	16,248	21,825
50%	12,222	13,967	15,978	23,077	34,352	25,226	15,091	11,917	13,529	21,328	15,814	12,816
60%	11,262	11,948	14,363	20,433	24,240	21,431	12,186	11,232	13,181	20,083	15,297	10,709
70%	10,150	9,878	13,693	17,598	18,831	18,863	11,465	10,915	12,650	18,123	14,198	9,131
80%	9,031	8,450	11,957	13,731	15,981	15,235	11,202	9,724	11,864	15,988	13,056	8,010
90%	7,567	7,451	8,981	12,260	12,487	11,683	10,128	8,700	10,906	12,214	9,128	7,614
Long Term												
Full Simulation Period[a]	11,776	14,647	22,784	32,595	38,087	33,134	22,826	16,295	14,880	19,797	14,891	16,763
Water Year Types[b]												
Wet (32%)	13,277	19,285	37,022	52,878	59,847	50,993	37,543	24,500	18,603	21,425	16,064	27,212
Above Normal (15%)	11,864	15,925	22,629	40,484	47,786	45,088	24,931	18,657	16,051	22,727	17,491	21,006
Below Normal (17%)	12,124	13,037	16,692	22,653	31,592	22,915	17,128	12,394	13,898	20,513	16,232	12,306
Dry (22%)	10,487	11,914	15,159	17,451	21,107	20,650	12,904	11,427	12,656	18,957	14,351	8,620
Critical (15%)	9,964	9,295	10,632	15,073	14,291	13,137	10,365	8,011	10,123	13,767	8,996	7,292

Alternative 2A,2B,2C (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	14,467	14,904	36,988	51,984	58,527	51,857	35,254	21,440	15,489	22,289	13,380	21,177
20%	12,783	12,472	27,046	42,789	51,149	38,422	21,316	14,674	14,347	18,591	11,712	20,129
30%	10,641	10,714	19,226	28,647	36,049	29,035	15,654	12,860	13,472	17,577	10,921	15,362
40%	9,308	9,938	16,718	20,376	32,039	19,306	13,444	12,255	12,874	16,069	10,194	12,728
50%	9,036	8,886	14,858	18,686	21,220	17,107	12,091	11,663	12,271	15,373	9,551	11,723
60%	8,932	8,428	13,421	16,986	18,146	15,561	11,763	10,969	11,925	14,087	9,123	9,126
70%	8,819	8,269	12,845	14,400	15,568	14,251	10,992	10,528	11,388	11,646	8,584	7,853
80%	8,252	7,977	12,422	12,658	14,177	12,578	10,416	9,459	10,755	10,207	8,189	7,708
90%	7,103	7,031	9,059	11,454	11,424	10,775	9,940	8,030	9,267	8,758	7,894	7,434
Long Term												
Full Simulation Period[a]	10,038	10,963	19,671	25,562	29,834	24,952	17,434	13,405	12,733	15,159	10,184	12,821
Water Year Types[b]												
Wet (32%)	10,130	13,973	29,862	40,419	46,712	38,511	26,975	17,350	14,262	16,241	9,536	19,822
Above Normal (15%)	10,490	11,369	19,798	30,852	36,520	32,919	16,667	14,639	13,581	18,516	11,496	13,394
Below Normal (17%)	9,995	9,556	15,555	17,663	23,503	15,997	13,920	12,188	13,028	16,620	11,431	8,434
Dry (22%)	9,611	9,210	13,998	14,801	17,208	15,698	11,935	11,691	11,879	13,125	10,382	8,621
Critical (15%)	10,078	8,303	10,776	13,442	12,905	11,938	9,880	7,612	9,507	10,805	8,527	8,497

Alternative 2A,2B,2C (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	32	-6,057	-11,957	-14,039	-12,074	-12,265	-14,034	-12,530	-3,116	-2,012	-4,492	-7,763
20%	-684	-5,401	-7,393	-15,780	-14,044	-16,624	-15,726	-7,335	-1,999	-5,187	-5,443	-6,777
30%	-2,408	-5,786	-2,969	-12,431	-15,280	-14,701	-7,320	-3,017	-1,974	-5,567	-5,723	-8,133
40%	-3,535	-5,209	-1,706	-7,285	-12,405	-13,364	-6,627	-367	-1,562	-6,257	-6,054	-9,097
50%	-3,186	-5,081	-1,120	-4,392	-13,133	-8,119	-3,000	-254	-1,258	-5,955	-6,263	-1,094
60%	-2,331	-3,521	-943	-3,446	-6,093	-5,869	-423	-263	-1,256	-5,996	-6,174	-1,583
70%	-1,332	-1,609	-849	-3,198	-3,263	-4,612	-474	-387	-1,262	-6,477	-5,614	-1,278
80%	-779	-473	465	-1,074	-1,804	-2,657	-786	-265	-1,108	-5,781	-4,866	-302
90%	-464	-421	77	-807	-1,063	-908	-187	-670	-1,639	-3,457	-1,233	-180
Long Term												
Full Simulation Period[a]	-1,738	-3,684	-3,113	-7,032	-8,253	-8,182	-5,392	-2,891	-2,147	-4,638	-4,707	-3,942
Water Year Types[b]												
Wet (32%)	-3,148	-5,312	-7,160	-12,459	-13,135	-12,482	-10,568	-7,150	-4,342	-5,184	-6,528	-7,391
Above Normal (15%)	-1,374	-4,556	-2,831	-9,632	-11,266	-12,169	-8,264	-4,018	-2,470	-4,211	-5,995	-7,612
Below Normal (17%)	-2,129	-3,480	-1,137	-4,989	-8,089	-6,918	-3,209	-206	-869	-3,892	-4,801	-3,872
Dry (22%)	-876	-2,704	-1,161	-2,650	-3,898	-4,951	-969	264	-777	-5,832	-3,969	1
Critical (15%)	113	-993	143	-1,631	-1,386	-1,199	-486	-399	-615	-2,962	-470	1,204

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-21-16. Sacramento River d/s of North Delta Diversion, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	14,435	20,962	48,944	66,024	70,601	64,123	49,287	33,970	18,605	24,301	17,873	28,941
20%	13,466	17,873	34,439	58,570	65,193	55,046	37,041	22,009	16,346	23,779	17,155	26,906
30%	13,050	16,500	22,195	41,078	51,329	43,737	22,974	15,877	15,446	23,144	16,643	23,495
40%	12,844	15,147	18,423	27,661	44,444	32,669	20,071	12,621	14,435	22,326	16,248	21,825
50%	12,222	13,967	15,978	23,077	34,352	25,226	15,091	11,917	13,529	21,328	15,814	12,816
60%	11,262	11,948	14,363	20,433	24,240	21,431	12,186	11,232	13,181	20,083	15,297	10,709
70%	10,150	9,878	13,693	17,598	18,831	18,863	11,465	10,915	12,650	18,123	14,198	9,131
80%	9,031	8,450	11,957	13,731	15,981	15,235	11,202	9,724	11,864	15,988	13,056	8,010
90%	7,567	7,451	8,981	12,260	12,487	11,683	10,128	8,700	10,906	12,214	9,128	7,614
Long Term												
Full Simulation Period[a]	11,776	14,647	22,784	32,595	38,087	33,134	22,826	16,295	14,880	19,797	14,891	16,763
Water Year Types[b]												
Wet (32%)	13,277	19,285	37,022	52,878	59,847	50,993	37,543	24,500	18,603	21,425	16,064	27,212
Above Normal (15%)	11,864	15,925	22,629	40,484	47,786	45,088	24,931	18,657	16,051	22,727	17,491	21,006
Below Normal (17%)	12,124	13,037	16,692	22,653	31,592	22,915	17,128	12,394	13,898	20,513	16,232	12,306
Dry (22%)	10,487	11,914	15,159	17,451	21,107	20,650	12,904	11,427	12,656	18,957	14,351	8,620
Critical (15%)	9,964	9,295	10,632	15,073	14,291	13,137	10,365	8,011	10,123	13,767	8,996	7,292

Alternative 3 (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	19,937	18,682	43,566	59,945	64,907	56,123	41,913	27,868	18,345	21,062	12,550	10,509
20%	17,824	10,773	28,710	51,504	56,863	45,815	27,267	18,245	15,809	18,327	11,462	8,887
30%	16,152	9,020	21,144	34,522	43,833	34,797	18,922	14,369	14,624	17,205	10,011	7,986
40%	14,606	8,471	17,999	23,635	38,844	23,699	15,843	12,962	13,731	15,308	9,582	7,802
50%	13,490	8,412	16,361	21,133	24,897	19,642	13,414	12,074	12,488	14,047	8,886	7,772
60%	10,964	8,361	14,965	19,198	19,201	16,855	12,413	11,370	11,886	12,957	8,295	7,730
70%	9,066	8,273	14,037	15,596	16,784	15,512	11,797	10,931	11,353	11,342	8,088	7,704
80%	8,863	8,135	12,300	13,224	14,706	13,955	10,958	10,133	10,913	9,661	7,924	7,608
90%	7,302	7,812	9,374	12,004	12,246	11,369	10,327	8,286	9,956	8,544	7,742	7,406
Long Term												
Full Simulation Period[a]	13,415	10,873	21,751	29,237	33,535	27,969	19,772	15,096	13,660	14,566	9,751	8,421
Water Year Types[b]												
Wet (32%)	13,568	14,617	33,793	47,110	52,834	43,239	31,285	21,012	16,649	16,224	9,409	8,534
Above Normal (15%)	14,074	10,477	22,076	35,796	41,555	38,037	20,064	16,732	15,314	16,596	11,332	8,740
Below Normal (17%)	13,743	8,652	16,691	20,276	26,948	18,251	15,612	12,836	13,144	15,349	10,460	8,112
Dry (22%)	12,294	9,347	15,185	16,758	18,985	17,175	12,515	12,132	11,544	12,628	9,704	8,225
Critical (15%)	13,727	8,035	11,087	13,124	13,210	12,343	10,273	7,720	9,302	10,940	8,150	8,512

Alternative 3 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	5,502	**-2,280**	**-5,379**	**-6,079**	**-5,693**	**-8,000**	**-7,374**	**-6,101**	**-260**	**-3,239**	**-5,323**	**-18,432**
20%	4,358	**-7,099**	**-5,729**	**-7,065**	**-8,330**	**-9,231**	**-9,775**	**-3,764**	**-538**	**-5,452**	**-5,692**	**-18,019**
30%	3,103	**-7,480**	**-1,051**	**-6,556**	**-7,496**	**-8,939**	**-4,052**	**-1,509**	**-822**	**-5,938**	**-6,633**	**-15,509**
40%	1,762	**-6,676**	**-424**	**-4,026**	**-5,600**	**-8,970**	**-4,228**	341	**-704**	**-7,018**	**-6,666**	**-14,023**
50%	1,268	**-5,555**	382	**-1,945**	**-9,455**	**-5,584**	**-1,676**	156	**-1,041**	**-7,280**	**-6,928**	**-5,045**
60%	**-298**	**-3,587**	601	**-1,235**	**-5,039**	**-4,576**	227	139	**-1,294**	**-7,126**	**-7,002**	**-2,979**
70%	**-1,085**	**-1,604**	343	**-2,002**	**-2,047**	**-3,351**	332	16	**-1,297**	**-6,780**	**-6,111**	**-1,428**
80%	**-168**	**-315**	344	**-508**	**-1,275**	**-1,280**	**-244**	408	**-950**	**-6,327**	**-5,131**	**-401**
90%	**-264**	361	393	**-256**	**-241**	**-314**	200	**-415**	**-950**	**-3,671**	**-1,385**	**-207**
Long Term												
Full Simulation Period[a]	1,639	**-3,774**	**-1,033**	**-3,358**	**-4,552**	**-5,166**	**-3,054**	**-1,200**	**-1,220**	**-5,231**	**-5,141**	**-8,342**
Water Year Types[b]												
Wet (32%)	290	**-4,668**	**-3,229**	**-5,768**	**-7,013**	**-7,754**	**-6,258**	**-3,488**	**-1,955**	**-5,201**	**-6,655**	**-18,678**
Above Normal (15%)	2,210	**-5,448**	**-552**	**-4,689**	**-6,231**	**-7,051**	**-4,868**	**-1,925**	**-737**	**-6,131**	**-6,159**	**-12,266**
Below Normal (17%)	1,619	**-4,384**	**-1**	**-2,376**	**-4,644**	**-4,663**	**-1,517**	442	**-753**	**-5,163**	**-5,772**	**-4,194**
Dry (22%)	1,807	**-2,567**	26	**-693**	**-2,121**	**-3,475**	**-389**	705	**-1,111**	**-6,329**	**-4,647**	**-395**
Critical (15%)	3,763	**-1,260**	455	**-1,949**	**-1,080**	**-794**	**-92**	**-291**	**-820**	**-2,827**	**-846**	1,220

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-21-17. Sacramento River d/s of North Delta Diversion, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	14,435	20,962	48,944	66,024	70,601	64,123	49,287	33,970	18,605	24,301	17,873	28,941
20%	13,466	17,873	34,439	58,570	65,193	55,046	37,041	22,009	16,346	23,779	17,155	26,906
30%	13,050	16,500	22,195	41,078	51,329	43,737	22,974	15,877	15,446	23,144	16,643	23,495
40%	12,844	15,147	18,423	27,661	44,444	32,669	20,071	12,621	14,435	22,326	16,248	21,825
50%	12,222	13,967	15,978	23,077	34,352	25,226	15,091	11,917	13,529	21,328	15,814	12,816
60%	11,262	11,948	14,363	20,433	24,240	21,431	12,186	11,232	13,181	20,083	15,297	10,709
70%	10,150	9,878	13,693	17,598	18,831	18,863	11,465	10,915	12,650	18,123	14,198	9,131
80%	9,031	8,450	11,957	13,731	15,981	15,235	11,202	9,724	11,864	15,988	13,056	8,010
90%	7,567	7,451	8,981	12,260	12,487	11,683	10,128	8,700	10,906	12,214	9,128	7,614
Long Term												
Full Simulation Period[a]	11,776	14,647	22,784	32,595	38,087	33,134	22,826	16,295	14,880	19,797	14,891	16,763
Water Year Types[b]												
Wet (32%)	13,277	19,285	37,022	52,878	59,847	50,993	37,543	24,500	18,603	21,425	16,064	27,212
Above Normal (15%)	11,864	15,925	22,629	40,484	47,786	45,088	24,931	18,657	16,051	22,727	17,491	21,006
Below Normal (17%)	12,124	13,037	16,692	22,653	31,592	22,915	17,128	12,394	13,898	20,513	16,232	12,306
Dry (22%)	10,487	11,914	15,159	17,451	21,107	20,650	12,904	11,427	12,656	18,957	14,351	8,620
Critical (15%)	9,964	9,295	10,632	15,073	14,291	13,137	10,365	8,011	10,123	13,767	8,996	7,292

Alternative 4 H1 (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	14,316	16,607	42,593	58,127	61,917	53,115	37,827	24,988	16,223	23,904	14,434	10,610
20%	12,617	9,148	28,691	48,685	54,014	42,936	23,360	16,165	14,619	22,240	12,650	9,413
30%	10,884	8,479	19,907	31,694	41,704	33,591	16,172	13,277	13,962	19,615	11,390	8,202
40%	9,662	8,408	17,441	22,071	36,234	21,757	13,906	12,409	13,423	17,411	10,446	7,835
50%	9,011	8,362	15,532	19,895	22,978	17,941	12,130	11,666	12,887	15,680	9,629	7,785
60%	8,860	8,301	13,849	18,129	18,236	15,957	11,912	10,621	11,983	14,167	9,150	7,762
70%	8,709	8,135	12,813	15,683	16,527	14,643	11,025	10,445	11,700	12,599	8,579	7,718
80%	7,864	7,903	11,844	13,004	14,369	13,230	10,448	9,589	10,894	10,212	8,159	7,666
90%	7,253	7,053	9,065	11,466	11,538	11,013	9,914	8,049	9,274	8,724	7,847	7,556
Long Term												
Full Simulation Period[a]	10,108	10,262	20,906	27,849	31,992	26,401	18,149	13,941	13,134	16,100	10,609	8,541
Water Year Types[b]												
Wet (32%)	10,243	13,472	32,758	44,637	50,234	40,575	28,525	18,675	14,999	17,886	9,874	8,137
Above Normal (15%)	10,574	10,283	20,699	34,572	40,095	36,077	17,833	15,550	13,982	20,243	12,203	8,939
Below Normal (17%)	10,494	8,404	15,969	18,739	25,892	16,891	14,230	12,064	13,415	16,670	11,902	8,041
Dry (22%)	9,364	8,795	14,196	15,344	17,651	16,418	11,925	11,686	12,119	14,341	10,855	9,148
Critical (15%)	10,018	7,654	11,263	14,139	12,995	12,081	9,893	7,645	9,435	10,060	8,727	8,693

Alternative 4 H1 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	**-119**	**-4,355**	**-6,351**	**-7,897**	**-8,684**	**-11,008**	**-11,460**	**-8,982**	**-2,382**	**-397**	**-3,438**	**-18,331**
20%	**-850**	**-8,725**	**-5,748**	**-9,885**	**-11,179**	**-12,110**	**-13,681**	**-5,844**	**-1,727**	**-1,539**	**-4,505**	**-17,493**
30%	**-2,165**	**-8,020**	**-2,288**	**-9,384**	**-9,625**	**-10,146**	**-6,802**	**-2,600**	**-1,484**	**-3,529**	**-5,253**	**-15,293**
40%	**-3,181**	**-6,739**	**-982**	**-5,590**	**-8,210**	**-10,912**	**-6,165**	**-213**	**-1,012**	**-4,915**	**-5,802**	**-13,990**
50%	**-3,211**	**-5,605**	**-446**	**-3,182**	**-11,374**	**-7,285**	**-2,960**	**-251**	**-642**	**-5,647**	**-6,185**	**-5,032**
60%	**-2,402**	**-3,647**	**-515**	**-2,304**	**-6,004**	**-5,474**	**-274**	**-611**	**-1,197**	**-5,916**	**-6,147**	**-2,947**
70%	**-1,441**	**-1,742**	**-880**	**-1,915**	**-2,304**	**-4,219**	**-440**	**-470**	**-950**	**-5,523**	**-5,619**	**-1,413**
80%	**-1,167**	**-547**	**-112**	**-728**	**-1,612**	**-2,004**	**-754**	**-135**	**-969**	**-5,776**	**-4,897**	**-344**
90%	**-314**	**-398**	83	**-795**	**-949**	**-670**	**-214**	**-651**	**-1,632**	**-3,490**	**-1,281**	**-58**
Long Term												
Full Simulation Period[a]	**-1,668**	**-4,385**	**-1,877**	**-4,746**	**-6,095**	**-6,734**	**-4,677**	**-2,355**	**-1,746**	**-3,698**	**-4,283**	**-8,222**
Water Year Types[b]												
Wet (32%)	**-3,034**	**-5,813**	**-4,265**	**-8,241**	**-9,613**	**-10,418**	**-9,019**	**-5,825**	**-3,604**	**-3,539**	**-6,190**	**-19,075**
Above Normal (15%)	**-1,289**	**-5,642**	**-1,929**	**-5,912**	**-7,691**	**-9,011**	**-7,098**	**-3,106**	**-2,069**	**-2,485**	**-5,288**	**-12,067**
Below Normal (17%)	**-1,629**	**-4,633**	**-724**	**-3,914**	**-5,700**	**-6,023**	**-2,898**	**-331**	**-482**	**-3,843**	**-4,330**	**-4,265**
Dry (22%)	**-1,122**	**-3,119**	**-963**	**-2,107**	**-3,456**	**-4,232**	**-978**	259	**-536**	**-4,616**	**-3,496**	528
Critical (15%)	54	**-1,641**	630	**-934**	**-1,296**	**-1,056**	**-472**	**-366**	**-687**	**-3,707**	**-269**	1,400

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-21-18. Sacramento River d/s of North Delta Diversion, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	14,435	20,962	48,944	66,024	70,601	64,123	49,287	33,970	18,605	24,301	17,873	28,941
20%	13,466	17,873	34,439	58,570	65,193	55,046	37,041	22,009	16,346	23,779	17,155	26,906
30%	13,050	16,500	22,195	41,078	51,329	43,737	22,974	15,877	15,446	23,144	16,643	23,495
40%	12,844	15,147	18,423	27,661	44,444	32,669	20,071	12,621	14,435	22,326	16,248	21,825
50%	12,222	13,967	15,978	23,077	34,352	25,226	15,091	11,917	13,529	21,328	15,814	12,816
60%	11,262	11,948	14,363	20,433	24,240	21,431	12,186	11,232	13,181	20,083	15,297	10,709
70%	10,150	9,878	13,693	17,598	18,831	18,863	11,465	10,915	12,650	18,123	14,198	9,131
80%	9,031	8,450	11,957	13,731	15,981	15,235	11,202	9,724	11,864	15,988	13,056	8,010
90%	7,567	7,451	8,981	12,260	12,487	11,683	10,128	8,700	10,906	12,214	9,128	7,614
Long Term												
Full Simulation Period[a]	11,776	14,647	22,784	32,595	38,087	33,134	22,826	16,295	14,880	19,797	14,891	16,763
Water Year Types[b]												
Wet (32%)	13,277	19,285	37,022	52,878	59,847	50,993	37,543	24,500	18,603	21,425	16,064	27,212
Above Normal (15%)	11,864	15,925	22,629	40,484	47,786	45,088	24,931	18,657	16,051	22,727	17,491	21,006
Below Normal (17%)	12,124	13,037	16,692	22,653	31,592	22,915	17,128	12,394	13,898	20,513	16,232	12,306
Dry (22%)	10,487	11,914	15,159	17,451	21,107	20,650	12,904	11,427	12,656	18,957	14,351	8,620
Critical (15%)	9,964	9,295	10,632	15,073	14,291	13,137	10,365	8,011	10,123	13,767	8,996	7,292

Alternative 4 H2 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	14,574	16,646	45,034	58,880	62,409	53,900	39,982	27,271	15,260	20,316	14,375	12,391
20%	12,645	8,508	29,230	47,558	53,841	42,952	27,998	19,616	13,517	19,169	13,190	10,437
30%	10,697	8,420	20,157	32,735	42,270	30,297	25,008	17,212	12,489	17,544	12,612	9,259
40%	9,046	8,385	17,410	22,794	36,334	24,472	21,295	14,912	11,557	16,500	11,976	8,225
50%	8,955	8,323	14,915	20,319	23,664	20,696	17,549	12,623	11,287	15,184	10,558	7,818
60%	8,831	8,240	13,594	18,116	18,503	18,983	13,199	11,591	10,820	13,384	9,318	7,773
70%	8,580	8,084	11,482	15,950	16,678	16,030	11,040	10,574	10,334	12,233	8,766	7,741
80%	8,052	7,806	9,877	13,653	14,000	13,857	10,327	9,713	9,888	9,625	8,186	7,705
90%	7,204	6,987	8,842	11,874	10,835	10,769	9,512	8,068	9,002	8,493	7,813	7,586
Long Term												
Full Simulation Period[a]	10,031	10,327	20,609	28,099	32,062	27,372	20,971	15,546	12,050	14,888	10,911	8,980
Water Year Types[b]												
Wet (32%)	9,994	13,653	33,605	44,482	50,033	42,051	32,600	22,164	13,271	15,749	9,879	8,227
Above Normal (15%)	10,707	10,247	19,421	34,999	40,123	36,263	23,186	18,067	11,897	15,907	11,980	9,146
Below Normal (17%)	9,628	8,534	15,185	19,332	26,821	19,063	18,697	13,225	12,811	16,028	12,575	9,534
Dry (22%)	9,476	8,710	13,509	15,937	17,589	16,961	12,030	11,426	11,746	14,891	11,890	9,553
Critical (15%)	10,738	7,721	10,616	14,176	12,886	11,983	9,626	7,575	9,127	10,670	8,666	8,942

Alternative 4 H2 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	139	-4,315	-3,910	-7,144	-8,192	-10,223	-9,305	-6,698	-3,345	-3,985	-3,498	-16,550
20%	-821	-9,365	-5,210	-11,012	-11,352	-12,094	-9,043	-2,393	-2,830	-4,610	-3,965	-16,470
30%	-2,353	-8,079	-2,038	-8,343	-9,059	-13,440	2,034	1,334	-2,958	-5,599	-4,031	-14,236
40%	-3,798	-6,762	-1,014	-4,867	-8,111	-8,198	1,224	2,291	-2,879	-5,826	-4,272	-13,599
50%	-3,267	-5,644	-1,063	-2,759	-10,689	-4,529	2,458	705	-2,242	-6,143	-5,257	-4,999
60%	-2,431	-3,709	-770	-2,317	-5,737	-2,448	1,013	360	-2,361	-6,699	-5,979	-2,936
70%	-1,570	-1,793	-2,211	-1,648	-2,153	-2,832	-425	-341	-2,316	-5,890	-5,432	-1,390
80%	-978	-644	-2,079	-79	-1,981	-1,377	-875	-11	-1,975	-6,362	-4,869	-305
90%	-362	-465	-140	-386	-1,651	-914	-615	-633	-1,904	-3,721	-1,315	-28
Long Term												
Full Simulation Period[a]	-1,745	-4,319	-2,175	-4,496	-6,026	-5,763	-1,855	-749	-2,830	-4,909	-3,980	-7,783
Water Year Types[b]												
Wet (32%)	-3,283	-5,632	-3,417	-8,396	-9,814	-8,941	-4,944	-2,336	-5,332	-5,677	-6,185	-18,986
Above Normal (15%)	-1,156	-5,678	-3,208	-5,486	-7,663	-8,825	-1,745	-589	-4,155	-6,820	-5,511	-11,860
Below Normal (17%)	-2,495	-4,503	-1,507	-3,321	-4,771	-3,852	1,569	831	-1,087	-4,484	-3,657	-2,773
Dry (22%)	-1,010	-3,204	-1,650	-1,514	-3,518	-3,689	-874	-1	-910	-4,066	-2,461	932
Critical (15%)	774	-1,574	-17	-897	-1,404	-1,154	-739	-437	-995	-3,097	-330	1,650

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-21-19. Sacramento River d/s of North Delta Diversion, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	14,435	20,962	48,944	66,024	70,601	64,123	49,287	33,970	18,605	24,301	17,873	28,941
20%	13,466	17,873	34,439	58,570	65,193	55,046	37,041	22,009	16,346	23,779	17,155	26,906
30%	13,050	16,500	22,195	41,078	51,329	43,737	22,974	15,877	15,446	23,144	16,643	23,495
40%	12,844	15,147	18,423	27,661	44,444	32,669	20,071	12,621	14,435	22,326	16,248	21,825
50%	12,222	13,967	15,978	23,077	34,352	25,226	15,091	11,917	13,529	21,328	15,814	12,816
60%	11,262	11,948	14,363	20,433	24,240	21,431	12,186	11,232	13,181	20,083	15,297	10,709
70%	10,150	9,878	13,693	17,598	18,831	18,863	11,465	10,915	12,650	18,123	14,198	9,131
80%	9,031	8,450	11,957	13,731	15,981	15,235	11,202	9,724	11,864	15,988	13,056	8,010
90%	7,567	7,451	8,981	12,260	12,487	11,683	10,128	8,700	10,906	12,214	9,128	7,614
Long Term												
Full Simulation Period[a]	11,776	14,647	22,784	32,595	38,087	33,134	22,826	16,295	14,880	19,797	14,891	16,763
Water Year Types[b]												
Wet (32%)	13,277	19,285	37,022	52,878	59,847	50,993	37,543	24,500	18,603	21,425	16,064	27,212
Above Normal (15%)	11,864	15,925	22,629	40,484	47,786	45,088	24,931	18,657	16,051	22,727	17,491	21,006
Below Normal (17%)	12,124	13,037	16,692	22,653	31,592	22,915	17,128	12,394	13,898	20,513	16,232	12,306
Dry (22%)	10,487	11,914	15,159	17,451	21,107	20,650	12,904	11,427	12,656	18,957	14,351	8,620
Critical (15%)	9,964	9,295	10,632	15,073	14,291	13,137	10,365	8,011	10,123	13,767	8,996	7,292

Alternative 4 H3 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	13,712	14,933	41,385	56,774	61,553	53,112	36,794	24,977	16,222	23,588	14,616	20,862
20%	11,817	12,493	28,040	48,057	54,463	42,617	23,561	16,042	14,605	22,096	12,733	20,066
30%	9,874	10,814	18,862	31,725	41,202	31,105	16,369	13,288	13,800	19,168	11,413	15,948
40%	9,059	10,273	16,948	21,260	36,258	21,771	13,877	12,277	13,214	17,553	10,607	12,779
50%	8,975	9,059	14,913	19,549	23,024	17,508	12,274	11,728	12,968	16,030	9,736	11,635
60%	8,831	8,466	13,327	16,774	18,518	16,062	11,720	10,881	12,022	14,519	9,495	9,417
70%	8,610	8,349	12,768	14,723	15,750	15,029	10,782	10,426	11,733	12,256	9,113	7,814
80%	8,070	8,010	11,931	12,894	14,364	12,963	10,305	9,457	10,847	10,423	8,176	7,689
90%	7,233	7,028	9,058	11,554	11,389	10,716	9,853	8,030	9,317	8,740	7,924	7,386
Long Term												
Full Simulation Period[a]	9,831	11,219	20,154	27,220	31,736	26,086	18,066	13,953	13,124	16,151	10,733	12,874
Water Year Types[b]												
Wet (32%)	10,166	14,622	31,257	43,883	49,932	40,299	28,339	18,652	15,070	18,173	10,427	19,827
Above Normal (15%)	10,291	11,531	20,348	33,047	39,397	35,162	17,897	15,722	14,041	20,291	12,175	13,210
Below Normal (17%)	10,197	9,467	15,155	18,431	25,437	16,710	14,235	12,134	13,247	17,266	12,274	8,515
Dry (22%)	9,011	9,467	13,977	14,939	17,751	16,213	11,826	11,633	12,087	13,429	10,582	8,861
Critical (15%)	9,452	8,209	11,005	13,966	12,979	11,961	9,808	7,608	9,403	10,410	8,382	8,580

Alternative 4 H3 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-723	-6,029	-7,559	-9,250	-9,047	-11,010	-12,493	-8,993	-2,383	-713	-3,256	-8,079
20%	-1,649	-5,379	-6,399	-10,512	-10,730	-12,429	-13,481	-5,968	-1,741	-1,682	-4,422	-6,840
30%	-3,176	-5,686	-3,333	-9,353	-10,126	-12,632	-6,604	-2,589	-1,646	-3,976	-5,230	-7,547
40%	-3,785	-4,874	-1,475	-6,401	-8,187	-10,898	-6,194	-344	-1,222	-4,774	-5,641	-9,046
50%	-3,247	-4,908	-1,065	-3,529	-11,329	-7,718	-2,817	-189	-561	-5,297	-6,078	-1,182
60%	-2,431	-3,483	-1,037	-3,659	-5,722	-5,369	-466	-350	-1,158	-5,564	-5,802	-1,292
70%	-1,541	-1,529	-925	-2,875	-3,081	-3,833	-684	-489	-916	-5,867	-5,085	-1,317
80%	-961	-440	-25	-838	-1,617	-2,272	-897	-267	-1,016	-5,565	-4,879	-321
90%	-333	-423	77	-706	-1,097	-967	-274	-671	-1,589	-3,474	-1,204	-227
Long Term												
Full Simulation Period[a]	-1,945	-3,427	-2,629	-5,374	-6,351	-7,049	-4,760	-2,342	-1,756	-3,647	-4,158	-3,888
Water Year Types[b]												
Wet (32%)	-3,112	-4,663	-5,766	-8,994	-9,915	-10,694	-9,205	-5,848	-3,533	-3,252	-5,636	-7,385
Above Normal (15%)	-1,572	-4,394	-2,280	-7,438	-8,390	-9,926	-7,035	-2,935	-2,010	-2,436	-5,316	-7,796
Below Normal (17%)	-1,927	-3,570	-1,537	-4,221	-6,155	-6,205	-2,893	-261	-651	-3,247	-3,958	-3,791
Dry (22%)	-1,476	-2,448	-1,182	-2,512	-3,356	-4,437	-1,078	206	-568	-5,528	-3,769	241
Critical (15%)	-512	-1,086	372	-1,107	-1,311	-1,176	-557	-403	-719	-3,357	-614	1,287

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-21-20. Sacramento River d/s of North Delta Diversion, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	14,435	20,962	48,944	66,024	70,601	64,123	49,287	33,970	18,605	24,301	17,873	28,941
20%	13,466	17,873	34,439	58,570	65,193	55,046	37,041	22,009	16,346	23,779	17,155	26,906
30%	13,050	16,500	22,195	41,078	51,329	43,737	22,974	15,877	15,446	23,144	16,643	23,495
40%	12,844	15,147	18,423	27,661	44,444	32,669	20,071	12,621	14,435	22,326	16,248	21,825
50%	12,222	13,967	15,978	23,077	34,352	25,226	15,091	11,917	13,529	21,328	15,814	12,816
60%	11,262	11,948	14,363	20,433	24,240	21,431	12,186	11,232	13,181	20,083	15,297	10,709
70%	10,150	9,878	13,693	17,598	18,831	18,863	11,465	10,915	12,650	18,123	14,198	9,131
80%	9,031	8,450	11,957	13,731	15,981	15,235	11,202	9,724	11,864	15,988	13,056	8,010
90%	7,567	7,451	8,981	12,260	12,487	11,683	10,128	8,700	10,906	12,214	9,128	7,614
Long Term												
Full Simulation Period[a]	11,776	14,647	22,784	32,595	38,087	33,134	22,826	16,295	14,880	19,797	14,891	16,763
Water Year Types[b]												
Wet (32%)	13,277	19,285	37,022	52,878	59,847	50,993	37,543	24,500	18,603	21,425	16,064	27,212
Above Normal (15%)	11,864	15,925	22,629	40,484	47,786	45,088	24,931	18,657	16,051	22,727	17,491	21,006
Below Normal (17%)	12,124	13,037	16,692	22,653	31,592	22,915	17,128	12,394	13,898	20,513	16,232	12,306
Dry (22%)	10,487	11,914	15,159	17,451	21,107	20,650	12,904	11,427	12,656	18,957	14,351	8,620
Critical (15%)	9,964	9,295	10,632	15,073	14,291	13,137	10,365	8,011	10,123	13,767	8,996	7,292

Alternative 4 H4 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	13,675	14,951	41,651	58,426	61,583	53,119	39,799	27,559	15,124	21,505	14,916	21,015
20%	11,344	12,872	27,401	46,374	53,856	42,567	28,012	19,751	13,354	18,744	13,329	20,154
30%	9,516	10,628	19,747	31,876	41,436	30,411	24,727	16,897	12,459	17,542	12,745	15,417
40%	9,027	10,260	16,905	21,177	36,599	24,244	21,123	14,248	11,889	16,303	11,971	13,257
50%	8,914	9,308	14,676	19,245	23,783	20,320	17,461	12,208	11,372	15,083	10,211	12,283
60%	8,795	8,378	13,102	16,203	18,675	18,339	12,728	11,431	10,855	13,183	9,291	10,276
70%	8,504	8,247	12,399	13,902	16,360	16,075	10,916	10,639	10,349	11,350	8,764	8,793
80%	8,046	7,915	9,846	12,684	14,073	13,528	10,334	9,758	9,889	9,797	8,234	7,825
90%	7,187	7,000	8,438	11,264	10,936	10,765	9,695	8,041	9,010	8,578	8,021	7,625
Long Term												
Full Simulation Period[a]	9,712	11,231	19,981	26,882	31,840	27,105	20,865	15,481	12,072	14,838	10,965	13,221
Water Year Types[b]												
Wet (32%)	10,117	14,557	31,752	43,431	49,815	41,904	32,440	22,238	13,371	16,275	10,041	19,710
Above Normal (15%)	10,625	11,685	19,748	32,999	39,450	35,541	23,219	18,057	11,894	16,332	11,215	13,146
Below Normal (17%)	9,340	9,586	14,902	18,786	26,096	18,484	18,304	12,955	13,020	16,143	12,675	8,982
Dry (22%)	8,880	9,345	13,537	14,662	17,765	16,956	12,022	11,240	11,528	13,557	12,117	9,937
Critical (15%)	9,606	8,320	10,300	12,682	13,098	11,884	9,686	7,575	9,151	10,630	8,994	9,106

Alternative 4 H4 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-759	-6,011	-7,294	-7,598	-9,018	-11,003	-9,488	-6,411	-3,481	-2,796	-2,956	-7,926
20%	-2,122	-5,001	-7,038	-12,195	-11,338	-12,478	-9,030	-2,259	-2,992	-5,035	-3,826	-6,752
30%	-3,534	-5,872	-2,448	-9,202	-9,893	-13,326	1,753	1,019	-2,988	-5,602	-3,898	-8,078
40%	-3,816	-4,887	-1,519	-6,484	-7,846	-8,425	1,052	1,626	-2,547	-6,023	-4,277	-8,567
50%	-3,308	-4,659	-1,302	-3,832	-10,570	-4,906	2,370	291	-2,156	-6,244	-5,603	-534
60%	-2,467	-3,570	-1,261	-4,229	-5,565	-3,091	542	199	-2,326	-6,900	-6,006	-433
70%	-1,647	-1,631	-1,294	-3,696	-2,471	-2,788	-549	-276	-2,301	-6,773	-5,435	-338
80%	-984	-535	-2,111	-1,048	-1,908	-1,707	-868	33	-1,975	-6,191	-4,821	-185
90%	-380	-452	-543	-996	-1,551	-918	-433	-660	-1,896	-3,636	-1,106	11
Long Term												
Full Simulation Period[a]	-2,064	-3,415	-2,803	-5,713	-6,247	-6,030	-1,961	-814	-2,807	-4,959	-3,926	-3,542
Water Year Types[b]												
Wet (32%)	-3,160	-4,728	-5,270	-9,446	-10,032	-9,089	-5,103	-2,263	-5,233	-5,150	-6,023	-7,502
Above Normal (15%)	-1,239	-4,240	-2,881	-7,486	-8,336	-9,547	-1,712	-599	-4,158	-6,396	-6,276	-7,860
Below Normal (17%)	-2,784	-3,450	-1,791	-3,866	-5,497	-4,431	1,176	561	-878	-4,369	-3,557	-3,324
Dry (22%)	-1,606	-2,569	-1,621	-2,789	-3,342	-3,694	-882	-187	-1,128	-5,400	-2,234	1,316
Critical (15%)	-358	-975	-332	-2,391	-1,193	-1,253	-679	-436	-972	-3,136	-2	1,814

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-21-21. Sacramento River d/s of North Delta Diversion, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	14,435	20,962	48,944	66,024	70,601	64,123	49,287	33,970	18,605	24,301	17,873	28,941
20%	13,466	17,873	34,439	58,570	65,193	55,046	37,041	22,009	16,346	23,779	17,155	26,906
30%	13,050	16,500	22,195	41,078	51,329	43,737	22,974	15,877	15,446	23,144	16,643	23,495
40%	12,844	15,147	18,423	27,661	44,444	32,669	20,071	12,621	14,435	22,326	16,248	21,825
50%	12,222	13,967	15,978	23,077	34,352	25,226	15,091	11,917	13,529	21,328	15,814	12,816
60%	11,262	11,948	14,363	20,433	24,240	21,431	12,186	11,232	13,181	20,083	15,297	10,709
70%	10,150	9,878	13,693	17,598	18,831	18,863	11,465	10,915	12,650	18,123	14,198	9,131
80%	9,031	8,450	11,957	13,731	15,981	15,235	11,202	9,724	11,864	15,988	13,056	8,010
90%	7,567	7,451	8,981	12,260	12,487	11,683	10,128	8,700	10,906	12,214	9,128	7,614
Long Term												
Full Simulation Period[a]	11,776	14,647	22,784	32,595	38,087	33,134	22,826	16,295	14,880	19,797	14,891	16,763
Water Year Types[b]												
Wet (32%)	13,277	19,285	37,022	52,878	59,847	50,993	37,543	24,500	18,603	21,425	16,064	27,212
Above Normal (15%)	11,864	15,925	22,629	40,484	47,786	45,088	24,931	18,657	16,051	22,727	17,491	21,006
Below Normal (17%)	12,124	13,037	16,692	22,653	31,592	22,915	17,128	12,394	13,898	20,513	16,232	12,306
Dry (22%)	10,487	11,914	15,159	17,451	21,107	20,650	12,904	11,427	12,656	18,957	14,351	8,620
Critical (15%)	9,964	9,295	10,632	15,073	14,291	13,137	10,365	8,011	10,123	13,767	8,996	7,292

Alternative 5 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	16,096	17,406	39,873	62,960	67,480	59,117	42,723	30,864	18,491	24,301	16,381	22,540
20%	13,287	13,890	29,249	53,911	60,676	48,660	29,206	19,199	16,323	22,556	14,533	21,570
30%	11,518	12,372	20,113	36,365	46,073	37,668	19,715	14,768	15,276	21,054	13,494	18,752
40%	10,724	11,068	17,123	22,761	39,472	26,479	17,051	12,297	14,375	20,497	12,320	13,603
50%	10,242	10,313	15,248	20,256	27,428	21,042	13,274	11,772	13,824	19,439	11,102	9,017
60%	9,300	9,452	14,160	17,893	21,115	18,046	12,295	11,019	12,938	17,053	10,075	7,786
70%	9,011	8,423	13,763	15,273	17,331	16,440	11,483	10,571	12,317	15,203	8,514	7,749
80%	8,691	8,163	12,311	13,327	14,873	14,183	10,614	9,408	11,692	12,622	8,052	7,707
90%	7,278	7,181	9,311	11,961	12,195	11,333	10,164	8,245	10,529	9,127	7,725	7,456
Long Term												
Full Simulation Period[a]	11,076	12,189	21,211	29,782	35,046	29,549	20,392	15,304	14,565	17,792	11,533	13,412
Water Year Types[b]												
Wet (32%)	11,391	16,257	33,322	49,145	55,715	45,934	32,697	22,146	18,047	19,907	12,305	21,999
Above Normal (15%)	11,581	12,551	21,261	36,016	43,788	40,636	21,217	17,335	15,515	20,932	14,430	14,678
Below Normal (17%)	12,374	10,073	15,769	20,282	27,821	19,149	15,607	11,993	14,335	19,596	13,100	8,230
Dry (22%)	9,765	10,387	14,862	15,591	19,346	17,944	12,406	11,775	12,430	15,476	9,655	7,705
Critical (15%)	10,341	8,183	10,796	13,962	13,500	12,499	10,469	7,608	9,541	11,440	7,954	8,144

Alternative 5 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,662	-3,556	-9,072	-3,063	-3,120	-5,006	-6,564	-3,106	-114	0	-1,492	-6,401
20%	-180	-3,982	-5,190	-4,658	-4,517	-6,385	-7,835	-2,810	-23	-1,223	-2,622	-5,336
30%	-1,531	-4,127	-2,082	-4,713	-5,255	-6,069	-3,258	-1,110	-170	-2,090	-3,149	-4,743
40%	-2,120	-4,079	-1,300	-4,900	-4,972	-6,190	-3,020	-324	-61	-1,829	-3,928	-8,221
50%	-1,980	-3,654	-730	-2,821	-6,925	-4,183	-1,817	-145	295	-1,888	-4,713	-3,800
60%	-1,962	-2,496	-203	-2,540	-3,125	-3,385	109	-212	-243	-3,030	-5,223	-2,923
70%	-1,140	-1,455	70	-2,325	-1,500	-2,423	17	-344	-333	-2,920	-5,684	-1,383
80%	-340	-287	354	-405	-1,108	-1,051	-589	-316	-172	-3,366	-5,003	-303
90%	-289	-270	330	-299	-292	-350	36	-455	-377	-3,087	-1,403	-158
Long Term												
Full Simulation Period[a]	-700	-2,458	-1,572	-2,813	-3,041	-3,586	-2,434	-991	-315	-2,005	-3,358	-3,351
Water Year Types[b]												
Wet (32%)	-1,886	-3,028	-3,701	-3,733	-4,132	-5,059	-4,846	-2,355	-556	-1,519	-3,758	-5,214
Above Normal (15%)	-283	-3,374	-1,368	-4,468	-3,998	-4,453	-3,714	-1,321	-537	-1,795	-3,061	-6,328
Below Normal (17%)	250	-2,963	-923	-2,370	-3,771	-3,765	-1,521	-401	438	-917	-3,132	-4,076
Dry (22%)	-722	-1,527	-297	-1,859	-1,761	-2,706	-498	349	-226	-3,481	-4,696	-915
Critical (15%)	377	-1,113	164	-1,111	-790	-638	104	-403	-582	-2,327	-1,042	852

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-21-22. Sacramento River d/s of North Delta Diversion, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	14,435	20,962	48,944	66,024	70,601	64,123	49,287	33,970	18,605	24,301	17,873	28,941
20%	13,466	17,873	34,439	58,570	65,193	55,046	37,041	22,009	16,346	23,779	17,155	26,906
30%	13,050	16,500	22,195	41,078	51,329	43,737	22,974	15,877	15,446	23,144	16,643	23,495
40%	12,844	15,147	18,423	27,661	44,444	32,669	20,071	12,621	14,435	22,326	16,248	21,825
50%	12,222	13,967	15,978	23,077	34,352	25,226	15,091	11,917	13,529	21,328	15,814	12,816
60%	11,262	11,948	14,363	20,433	24,240	21,431	12,186	11,232	13,181	20,083	15,297	10,709
70%	10,150	9,878	13,693	17,598	18,831	18,863	11,465	10,915	12,650	18,123	14,198	9,131
80%	9,031	8,450	11,957	13,731	15,981	15,235	11,202	9,724	11,864	15,988	13,056	8,010
90%	7,567	7,451	8,981	12,260	12,487	11,683	10,128	8,700	10,906	12,214	9,128	7,614
Long Term												
Full Simulation Period[a]	11,776	14,647	22,784	32,595	38,087	33,134	22,826	16,295	14,880	19,797	14,891	16,763
Water Year Types[b]												
Wet (32%)	13,277	19,285	37,022	52,878	59,847	50,993	37,543	24,500	18,603	21,425	16,064	27,212
Above Normal (15%)	11,864	15,925	22,629	40,484	47,786	45,088	24,931	18,657	16,051	22,727	17,491	21,006
Below Normal (17%)	12,124	13,037	16,692	22,653	31,592	22,915	17,128	12,394	13,898	20,513	16,232	12,306
Dry (22%)	10,487	11,914	15,159	17,451	21,107	20,650	12,904	11,427	12,656	18,957	14,351	8,620
Critical (15%)	9,964	9,295	10,632	15,073	14,291	13,137	10,365	8,011	10,123	13,767	8,996	7,292

Alternative 6A,6B,6C (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	10,114	14,440	38,024	51,444	56,905	50,042	35,416	20,523	13,058	12,633	8,222	17,647
20%	9,508	12,431	27,153	43,323	48,480	38,834	21,053	14,183	11,829	10,715	8,115	16,241
30%	8,797	10,606	19,180	29,503	36,543	30,643	15,856	12,190	11,312	9,790	8,055	12,044
40%	7,752	9,632	16,738	20,493	31,905	19,305	13,051	10,613	10,853	8,936	8,008	9,675
50%	7,379	8,220	14,533	19,001	21,342	17,091	12,012	10,285	10,502	8,750	7,884	7,722
60%	7,110	7,976	12,783	16,583	18,237	15,697	10,819	9,866	10,261	8,495	7,794	7,548
70%	6,930	7,659	10,950	13,872	16,194	14,577	10,155	9,275	10,003	8,228	7,656	7,396
80%	6,842	7,241	9,384	12,672	14,053	12,578	9,573	8,502	9,376	8,123	7,589	7,219
90%	6,687	6,842	8,114	10,991	11,401	10,180	8,608	7,246	8,239	8,024	7,511	7,097
Long Term												
Full Simulation Period[a]	8,005	10,610	19,310	25,550	29,488	24,745	16,852	12,592	11,095	9,493	7,833	10,528
Water Year Types[b]												
Wet (32%)	8,932	13,820	30,748	40,766	45,420	38,019	26,595	17,319	12,574	10,821	7,958	16,245
Above Normal (15%)	7,628	11,310	19,124	31,058	35,943	32,872	16,544	14,270	11,144	10,512	8,050	10,687
Below Normal (17%)	8,366	8,993	14,382	17,958	23,861	15,850	13,066	10,720	11,376	8,811	7,844	7,482
Dry (22%)	7,297	8,725	13,199	14,651	17,172	16,122	11,066	9,892	10,314	8,302	7,776	7,397
Critical (15%)	7,014	7,666	9,627	12,282	13,552	11,173	9,147	6,908	8,686	8,181	7,417	6,233

Alternative 6A,6B,6C (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-4,321	-6,522	-10,920	-14,579	-13,696	-14,081	-13,871	-13,446	-5,547	-11,668	-9,651	-11,294
20%	-3,959	-5,442	-7,287	-15,247	-16,713	-16,212	-15,988	-7,827	-4,517	-13,063	-9,040	-10,665
30%	-4,252	-5,894	-3,015	-11,575	-14,786	-13,094	-7,118	-3,687	-4,134	-13,353	-8,589	-11,451
40%	-5,092	-5,515	-1,685	-7,168	-12,539	-13,365	-7,020	-2,008	-3,582	-13,390	-8,240	-12,150
50%	-4,843	-5,746	-1,446	-4,077	-13,011	-8,135	-3,079	-1,632	-3,027	-12,577	-7,930	-5,094
60%	-4,152	-3,972	-1,580	-3,850	-6,003	-5,734	-1,367	-1,366	-2,919	-11,588	-7,503	-3,161
70%	-3,220	-2,218	-2,743	-3,726	-2,636	-4,286	-1,311	-1,640	-2,646	-9,895	-6,543	-1,735
80%	-2,189	-1,209	-2,572	-1,059	-1,927	-2,657	-1,630	-1,222	-2,487	-7,865	-5,467	-790
90%	-879	-609	-867	-1,270	-1,085	-1,503	-1,520	-1,454	-2,667	-4,190	-1,617	-517
Long Term												
Full Simulation Period[a]	-3,771	-4,037	-3,474	-7,044	-8,599	-8,389	-5,974	-3,703	-3,785	-10,304	-7,058	-6,235
Water Year Types[b]												
Wet (32%)	-4,345	-5,465	-6,274	-12,111	-14,427	-12,974	-10,949	-7,182	-6,029	-10,604	-8,106	-10,967
Above Normal (15%)	-4,236	-4,615	-3,504	-9,427	-11,843	-12,217	-8,387	-4,387	-4,907	-12,216	-9,441	-10,319
Below Normal (17%)	-3,758	-4,043	-2,310	-4,695	-7,731	-7,064	-4,062	-1,674	-2,521	-11,701	-8,388	-4,824
Dry (22%)	-3,190	-3,189	-1,960	-2,800	-3,935	-4,528	-1,837	-1,535	-2,342	-10,655	-6,575	-1,223
Critical (15%)	-2,951	-1,630	-1,005	-2,791	-739	-1,964	-1,218	-1,103	-1,437	-5,586	-1,580	-1,059

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-21-23. Sacramento River d/s of North Delta Diversion, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	14,435	20,962	48,944	66,024	70,601	64,123	49,287	33,970	18,605	24,301	17,873	28,941
20%	13,466	17,873	34,439	58,570	65,193	55,046	37,041	22,009	16,346	23,779	17,155	26,906
30%	13,050	16,500	22,195	41,078	51,329	43,737	22,974	15,877	15,446	23,144	16,643	23,495
40%	12,844	15,147	18,423	27,661	44,444	32,669	20,071	12,621	14,435	22,326	16,248	21,825
50%	12,222	13,967	15,978	23,077	34,352	25,226	15,091	11,917	13,529	21,328	15,814	12,816
60%	11,262	11,948	14,363	20,433	24,240	21,431	12,186	11,232	13,181	20,083	15,297	10,709
70%	10,150	9,878	13,693	17,598	18,831	18,863	11,465	10,915	12,650	18,123	14,198	9,131
80%	9,031	8,450	11,957	13,731	15,981	15,235	11,202	9,724	11,864	15,988	13,056	8,010
90%	7,567	7,451	8,981	12,260	12,487	11,683	10,128	8,700	10,906	12,214	9,128	7,614
Long Term												
Full Simulation Period[a]	11,776	14,647	22,784	32,595	38,087	33,134	22,826	16,295	14,880	19,797	14,891	16,763
Water Year Types[b]												
Wet (32%)	13,277	19,285	37,022	52,878	59,847	50,993	37,543	24,500	18,603	21,425	16,064	27,212
Above Normal (15%)	11,864	15,925	22,629	40,484	47,786	45,088	24,931	18,657	16,051	22,727	17,491	21,006
Below Normal (17%)	12,124	13,037	16,692	22,653	31,592	22,915	17,128	12,394	13,898	20,513	16,232	12,306
Dry (22%)	10,487	11,914	15,159	17,451	21,107	20,650	12,904	11,427	12,656	18,957	14,351	8,620
Critical (15%)	9,964	9,295	10,632	15,073	14,291	13,137	10,365	8,011	10,123	13,767	8,996	7,292

Alternative 7 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	10,196	15,016	39,142	56,658	61,636	52,681	39,182	25,125	14,252	24,101	16,243	21,314
20%	9,264	12,918	26,206	47,490	53,666	41,404	25,626	16,097	12,682	22,792	14,798	20,580
30%	8,929	10,780	18,863	31,688	40,347	30,203	18,421	13,208	11,926	21,612	14,028	15,434
40%	8,529	10,017	16,787	20,714	35,202	21,426	14,514	10,652	11,582	19,445	12,326	12,490
50%	8,157	8,399	14,579	19,266	22,714	18,677	12,129	10,422	11,348	17,559	11,822	10,730
60%	7,827	8,203	12,990	17,011	18,664	17,033	11,046	9,933	11,060	16,388	11,385	8,897
70%	7,328	7,911	11,186	14,028	16,761	15,739	10,224	9,301	10,869	13,710	10,881	7,801
80%	7,053	7,617	9,502	12,682	14,822	13,306	9,732	8,642	10,785	12,152	10,565	7,653
90%	6,888	6,893	8,354	11,161	11,530	10,339	8,689	7,395	10,620	11,006	10,477	7,414
Long Term												
Full Simulation Period[a]	8,495	11,033	19,558	27,017	31,710	26,109	18,164	13,330	12,280	17,733	12,847	12,754
Water Year Types[b]												
Wet (32%)	9,252	14,617	31,205	44,047	49,513	39,986	29,218	18,659	13,919	19,462	12,756	20,019
Above Normal (15%)	8,774	11,767	19,328	33,074	39,436	34,531	18,265	15,353	12,391	21,352	13,856	13,212
Below Normal (17%)	8,404	9,192	14,563	18,521	25,509	17,736	13,846	10,832	12,154	19,692	15,330	8,913
Dry (22%)	7,840	8,936	13,237	14,692	17,730	16,744	11,395	9,910	11,054	15,601	11,934	8,397
Critical (15%)	7,662	7,824	9,864	12,460	13,611	11,437	9,308	7,810	10,605	11,279	10,505	7,570

Alternative 7 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-4,239	-5,945	-9,802	-9,366	-8,965	-11,442	-10,105	-8,844	-4,353	-200	-1,630	-7,627
20%	-4,203	-4,955	-8,233	-11,080	-11,527	-13,641	-11,416	-5,913	-3,665	-987	-2,357	-6,327
30%	-4,121	-5,719	-3,331	-9,390	-10,982	-13,534	-4,552	-2,669	-3,520	-1,531	-2,616	-8,061
40%	-4,314	-5,130	-1,636	-6,947	-9,243	-11,244	-5,557	-1,969	-2,853	-2,882	-3,922	-9,334
50%	-4,065	-5,568	-1,399	-3,811	-11,639	-6,548	-2,961	-1,495	-2,181	-3,769	-3,992	-2,086
60%	-3,435	-3,745	-1,373	-3,422	-5,576	-4,398	-1,140	-1,299	-2,120	-3,695	-3,912	-1,812
70%	-2,822	-1,966	-2,507	-3,570	-2,070	-3,124	-1,242	-1,615	-1,781	-4,413	-3,317	-1,330
80%	-1,977	-833	-2,455	-1,050	-1,159	-1,929	-1,470	-1,083	-1,079	-3,836	-2,490	-356
90%	-678	-559	-628	-1,099	-956	-1,344	-1,438	-1,305	-286	-1,209	1,349	-199
Long Term												
Full Simulation Period[a]	-3,281	-3,614	-3,225	-5,578	-6,378	-7,025	-4,662	-2,965	-2,600	-2,065	-2,045	-4,009
Water Year Types[b]												
Wet (32%)	-4,025	-4,668	-5,817	-8,830	-10,333	-11,007	-8,325	-5,842	-4,685	-1,963	-3,308	-7,193
Above Normal (15%)	-3,090	-4,158	-3,301	-7,410	-8,350	-10,557	-6,667	-3,304	-3,661	-1,375	-3,634	-7,794
Below Normal (17%)	-3,720	-3,845	-2,129	-4,132	-6,083	-5,178	-3,283	-1,563	-1,743	-820	-902	-3,393
Dry (22%)	-2,646	-2,978	-1,922	-2,759	-3,377	-3,906	-1,509	-1,517	-1,602	-3,356	-2,417	-223
Critical (15%)	-2,302	-1,472	-768	-2,613	-679	-1,700	-1,057	-201	482	-2,488	1,509	278

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-21-24. Sacramento River d/s of North Delta Diversion, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	14,435	20,962	48,944	66,024	70,601	64,123	49,287	33,970	18,605	24,301	17,873	28,941
20%	13,466	17,873	34,439	58,570	65,193	55,046	37,041	22,009	16,346	23,779	17,155	26,906
30%	13,050	16,500	22,195	41,078	51,329	43,737	22,974	15,877	15,446	23,144	16,643	23,495
40%	12,844	15,147	18,423	27,661	44,444	32,669	20,071	12,621	14,435	22,326	16,248	21,825
50%	12,222	13,967	15,978	23,077	34,352	25,226	15,091	11,917	13,529	21,328	15,814	12,816
60%	11,262	11,948	14,363	20,433	24,240	21,431	12,186	11,232	13,181	20,083	15,297	10,709
70%	10,150	9,878	13,693	17,598	18,831	18,863	11,465	10,915	12,650	18,123	14,198	9,131
80%	9,031	8,450	11,957	13,731	15,981	15,235	11,202	9,724	11,864	15,988	13,056	8,010
90%	7,567	7,451	8,981	12,260	12,487	11,683	10,128	8,700	10,906	12,214	9,128	7,614
Long Term												
Full Simulation Period[a]	11,776	14,647	22,784	32,595	38,087	33,134	22,826	16,295	14,880	19,797	14,891	16,763
Water Year Types[b]												
Wet (32%)	13,277	19,285	37,022	52,878	59,847	50,993	37,543	24,500	18,603	21,425	16,064	27,212
Above Normal (15%)	11,864	15,925	22,629	40,484	47,786	45,088	24,931	18,657	16,051	22,727	17,491	21,006
Below Normal (17%)	12,124	13,037	16,692	22,653	31,592	22,915	17,128	12,394	13,898	20,513	16,232	12,306
Dry (22%)	10,487	11,914	15,159	17,451	21,107	20,650	12,904	11,427	12,656	18,957	14,351	8,620
Critical (15%)	9,964	9,295	10,632	15,073	14,291	13,137	10,365	8,011	10,123	13,767	8,996	7,292

Alternative 8 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	10,000	14,871	41,752	58,590	61,401	55,242	43,480	27,822	15,798	13,097	10,894	21,007
20%	8,917	12,594	27,273	46,716	54,307	41,113	30,578	19,923	13,125	12,535	10,862	20,118
30%	8,485	10,754	19,384	33,657	43,102	31,734	22,240	17,646	11,608	12,039	10,816	15,340
40%	8,101	9,836	16,767	25,275	36,285	23,828	19,655	15,838	10,857	11,379	10,715	12,372
50%	7,755	8,467	14,273	21,017	27,260	21,080	18,044	14,420	10,768	11,305	10,530	7,839
60%	7,385	8,395	12,902	17,729	19,891	18,954	16,397	12,998	10,681	11,042	10,437	7,714
70%	6,928	8,322	10,854	14,955	18,277	17,618	14,780	11,350	10,623	10,912	10,320	7,485
80%	6,771	7,879	9,412	12,777	16,457	15,170	13,051	10,026	10,407	10,405	10,097	7,401
90%	5,620	6,977	7,870	10,829	11,922	13,180	11,286	8,076	9,863	9,968	8,748	7,233
Long Term												
Full Simulation Period[a]	8,014	11,062	19,491	28,220	33,054	27,833	22,323	16,588	12,194	11,456	10,258	12,075
Water Year Types[b]												
Wet (32%)	8,576	14,687	31,790	45,128	49,638	40,489	32,507	22,834	14,671	12,814	10,818	19,758
Above Normal (15%)	8,673	11,148	18,460	35,427	41,167	35,489	23,452	18,114	12,425	11,657	10,574	12,835
Below Normal (17%)	7,898	9,318	14,285	20,596	27,639	19,686	20,076	15,228	11,369	10,312	9,820	7,697
Dry (22%)	7,558	9,334	13,025	15,365	20,251	20,361	16,150	12,587	10,356	10,829	10,283	7,464
Critical (15%)	6,955	7,750	9,644	12,556	14,534	13,466	11,011	9,114	10,316	10,587	9,203	6,696

Alternative 8 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-4,435	-6,091	-7,193	-7,434	-9,200	-8,880	-5,808	-6,147	-2,807	-11,204	-6,979	-7,934
20%	-4,549	-5,279	-7,166	-11,853	-10,886	-13,933	-6,463	-2,086	-3,222	-11,244	-6,293	-6,788
30%	-4,564	-5,746	-2,811	-7,421	-8,226	-12,003	-734	1,768	-3,838	-11,105	-5,827	-8,155
40%	-4,743	-5,311	-1,657	-2,386	-8,160	-8,841	-416	3,217	-3,578	-10,947	-5,533	-9,453
50%	-4,467	-5,500	-1,705	-2,061	-7,092	-4,146	2,953	2,502	-2,761	-10,023	-5,284	-4,977
60%	-3,877	-3,553	-1,461	-2,703	-4,349	-2,477	4,211	1,767	-2,500	-9,041	-4,861	-2,995
70%	-3,222	-1,555	-2,839	-2,643	-554	-1,245	3,314	435	-2,027	-7,211	-3,878	-1,646
80%	-2,260	-571	-2,545	-954	476	-65	1,849	302	-1,457	-5,583	-2,959	-608
90%	-1,946	-474	-1,112	-1,432	-564	1,497	1,158	-625	-1,043	-2,246	-380	-380
Long Term												
Full Simulation Period[a]	-3,762	-3,584	-3,293	-4,375	-5,033	-5,302	-503	292	-2,686	-8,342	-4,633	-4,688
Water Year Types[b]												
Wet (32%)	-4,701	-4,597	-5,232	-7,750	-10,209	-10,504	-5,037	-1,666	-3,933	-8,611	-5,246	-7,455
Above Normal (15%)	-3,191	-4,777	-4,168	-5,057	-6,619	-9,599	-1,479	-542	-3,626	-11,070	-6,917	-8,171
Below Normal (17%)	-4,226	-3,719	-2,407	-2,057	-3,953	-3,229	2,948	2,834	-2,529	-10,200	-6,412	-4,609
Dry (22%)	-2,929	-2,580	-2,134	-2,086	-856	-289	3,246	1,160	-2,300	-8,129	-4,068	-1,157
Critical (15%)	-3,010	-1,546	-988	-2,517	243	329	646	1,103	194	-3,180	206	-597

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-21-25. Sacramento River d/s of North Delta Diversion, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	14,435	20,962	48,944	66,024	70,601	64,123	49,287	33,970	18,605	24,301	17,873	28,941
20%	13,466	17,873	34,439	58,570	65,193	55,046	37,041	22,009	16,346	23,779	17,155	26,906
30%	13,050	16,500	22,195	41,078	51,329	43,737	22,974	15,877	15,446	23,144	16,643	23,495
40%	12,844	15,147	18,423	27,661	44,444	32,669	20,071	12,621	14,435	22,326	16,248	21,825
50%	12,222	13,967	15,978	23,077	34,352	25,226	15,091	11,917	13,529	21,328	15,814	12,816
60%	11,262	11,948	14,363	20,433	24,240	21,431	12,186	11,232	13,181	20,083	15,297	10,709
70%	10,150	9,878	13,693	17,598	18,831	18,863	11,465	10,915	12,650	18,123	14,198	9,131
80%	9,031	8,450	11,957	13,731	15,981	15,235	11,202	9,724	11,864	15,988	13,056	8,010
90%	7,567	7,451	8,981	12,260	12,487	11,683	10,128	8,700	10,906	12,214	9,128	7,614
Long Term												
Full Simulation Period[a]	11,776	14,647	22,784	32,595	38,087	33,134	22,826	16,295	14,880	19,797	14,891	16,763
Water Year Types[b]												
Wet (32%)	13,277	19,285	37,022	52,878	59,847	50,993	37,543	24,500	18,603	21,425	16,064	27,212
Above Normal (15%)	11,864	15,925	22,629	40,484	47,786	45,088	24,931	18,657	16,051	22,727	17,491	21,006
Below Normal (17%)	12,124	13,037	16,692	22,653	31,592	22,915	17,128	12,394	13,898	20,513	16,232	12,306
Dry (22%)	10,487	11,914	15,159	17,451	21,107	20,650	12,904	11,427	12,656	18,957	14,351	8,620
Critical (15%)	9,964	9,295	10,632	15,073	14,291	13,137	10,365	8,011	10,123	13,767	8,996	7,292

Alternative 9 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	14,875	21,280	46,850	66,066	70,409	62,166	45,740	33,733	17,834	24,544	17,186	30,722
20%	13,580	18,271	30,312	56,595	63,029	51,595	32,210	21,939	16,675	22,839	16,842	27,564
30%	12,675	16,700	20,958	38,932	49,123	39,341	22,671	17,424	15,261	21,462	16,577	23,501
40%	11,996	15,063	17,579	25,092	42,260	29,404	19,819	15,568	14,628	20,634	16,200	21,164
50%	10,965	14,162	15,372	21,556	30,909	23,794	15,879	14,281	13,850	19,023	15,770	13,203
60%	9,213	11,510	14,408	18,163	22,870	20,701	12,996	12,941	13,467	17,902	14,796	11,528
70%	8,767	10,032	13,487	14,760	18,525	18,207	12,046	11,770	12,844	16,705	13,639	8,855
80%	7,937	9,276	10,995	13,441	15,324	15,004	11,272	11,000	11,541	14,139	11,976	7,901
90%	7,080	7,910	9,390	11,763	11,726	11,410	10,595	8,230	10,526	12,136	9,730	7,575
Long Term												
Full Simulation Period[a]	10,958	14,812	22,051	31,080	36,857	31,560	22,096	17,459	14,837	18,754	14,571	17,021
Water Year Types[b]												
Wet (32%)	12,917	19,189	35,191	51,284	58,328	48,918	35,337	24,704	18,559	20,891	15,854	28,217
Above Normal (15%)	10,362	15,692	21,671	38,473	46,267	42,536	23,766	19,044	16,301	22,212	16,779	20,943
Below Normal (17%)	10,591	13,674	16,455	21,278	29,941	21,609	16,921	14,190	13,597	19,039	15,759	12,502
Dry (22%)	10,309	12,182	14,881	16,286	20,243	19,473	13,721	14,347	12,771	16,983	13,418	8,393
Critical (15%)	8,711	9,725	11,244	13,540	13,919	12,714	10,333	8,661	9,855	12,989	9,924	7,053

Alternative 9 (LLT) minus No Action Alternative (LLT)

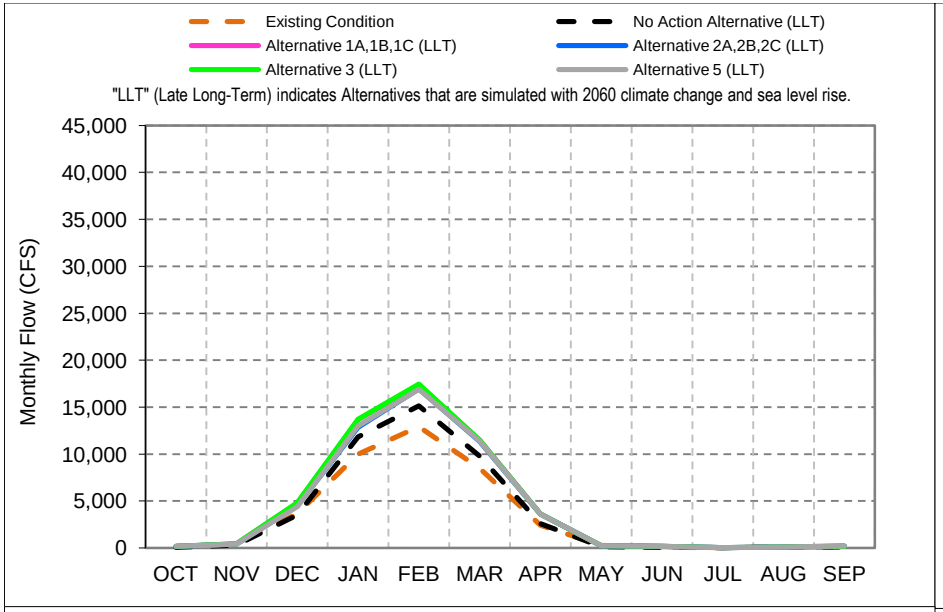
	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	440	318	**-2,095**	42	**-191**	**-1,957**	**-3,547**	**-237**	**-771**	242	**-687**	1,781
20%	113	398	**-4,127**	**-1,974**	**-2,164**	**-3,451**	**-4,831**	**-70**	328	**-940**	**-312**	658
30%	**-375**	200	**-1,237**	**-2,146**	**-2,206**	**-4,395**	**-302**	1,546	**-186**	**-1,681**	**-66**	6
40%	**-848**	**-84**	**-844**	**-2,569**	**-2,184**	**-3,265**	**-252**	2,947	192	**-1,693**	**-48**	**-661**
50%	**-1,257**	195	**-606**	**-1,521**	**-3,444**	**-1,432**	788	2,364	322	**-2,304**	**-44**	387
60%	**-2,050**	**-439**	45	**-2,270**	**-1,370**	**-729**	810	1,709	286	**-2,181**	**-502**	819
70%	**-1,383**	154	**-206**	**-2,838**	**-306**	**-656**	580	855	194	**-1,418**	**-559**	**-276**
80%	**-1,094**	826	**-962**	**-291**	**-657**	**-230**	69	1,275	**-323**	**-1,849**	**-1,080**	**-109**
90%	**-487**	459	409	**-497**	**-761**	**-273**	468	**-470**	**-380**	**-78**	603	**-38**
Long Term												
Full Simulation Period[a]	**-818**	166	**-733**	**-1,515**	**-1,230**	**-1,574**	**-731**	1,164	**-42**	**-1,044**	**-321**	258
Water Year Types[b]												
Wet (32%)	**-360**	**-96**	**-1,831**	**-1,594**	**-1,519**	**-2,075**	**-2,206**	204	**-44**	**-534**	**-210**	1,005
Above Normal (15%)	**-1,502**	**-233**	**-958**	**-2,012**	**-1,520**	**-2,552**	**-1,165**	387	250	**-516**	**-712**	**-63**
Below Normal (17%)	**-1,533**	637	**-237**	**-1,375**	**-1,651**	**-1,305**	**-207**	1,795	**-300**	**-1,473**	**-473**	195
Dry (22%)	**-177**	268	**-277**	**-1,165**	**-864**	**-1,177**	817	2,921	115	**-1,975**	**-933**	**-228**
Critical (15%)	**-1,254**	430	612	**-1,533**	**-372**	**-423**	**-32**	649	**-267**	**-778**	928	**-239**

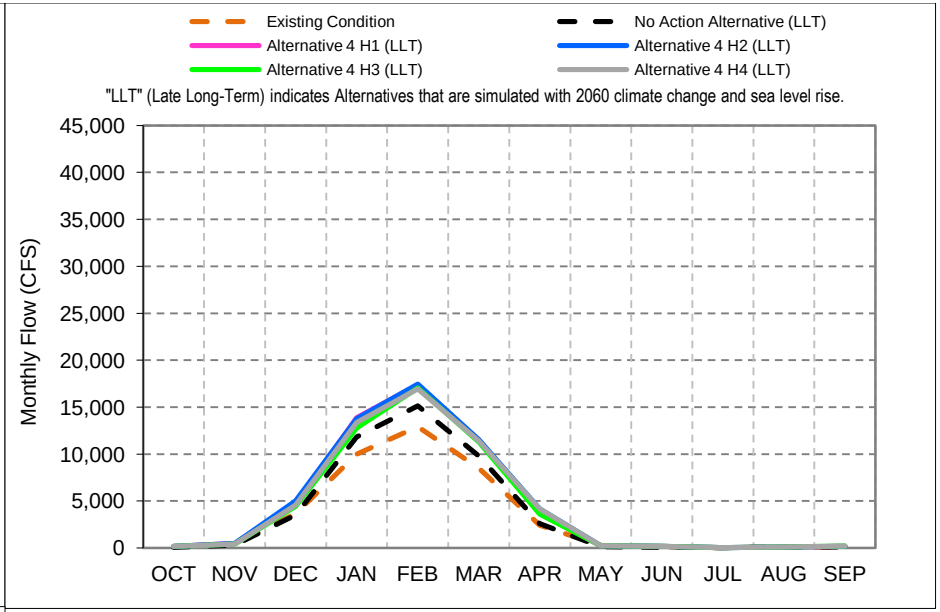
Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

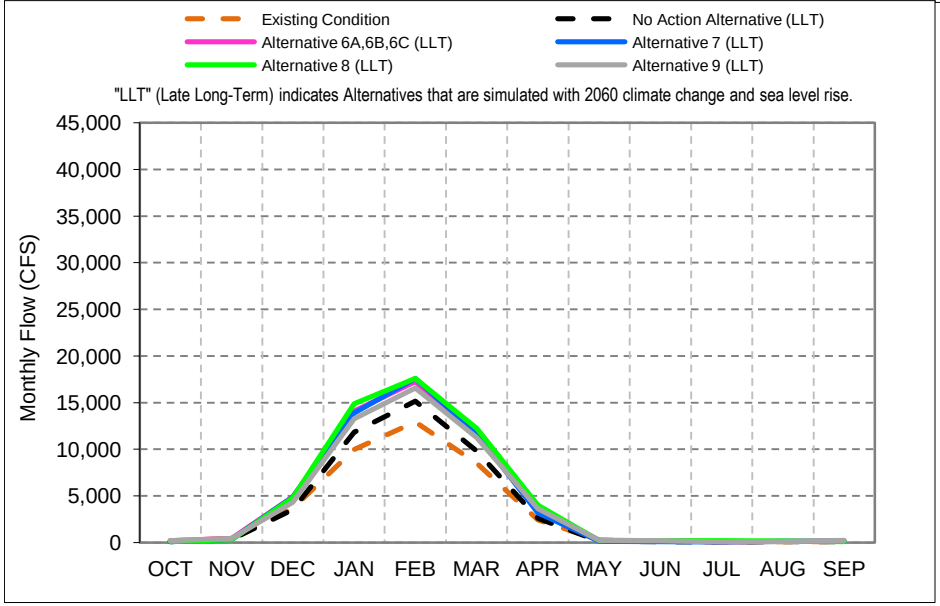
a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

C.22. Yolo Bypass Flow



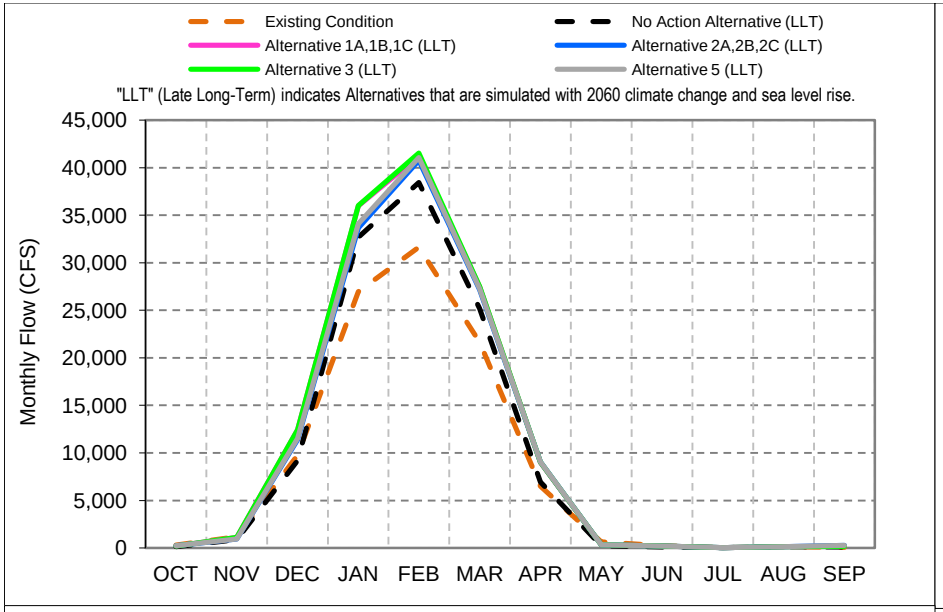


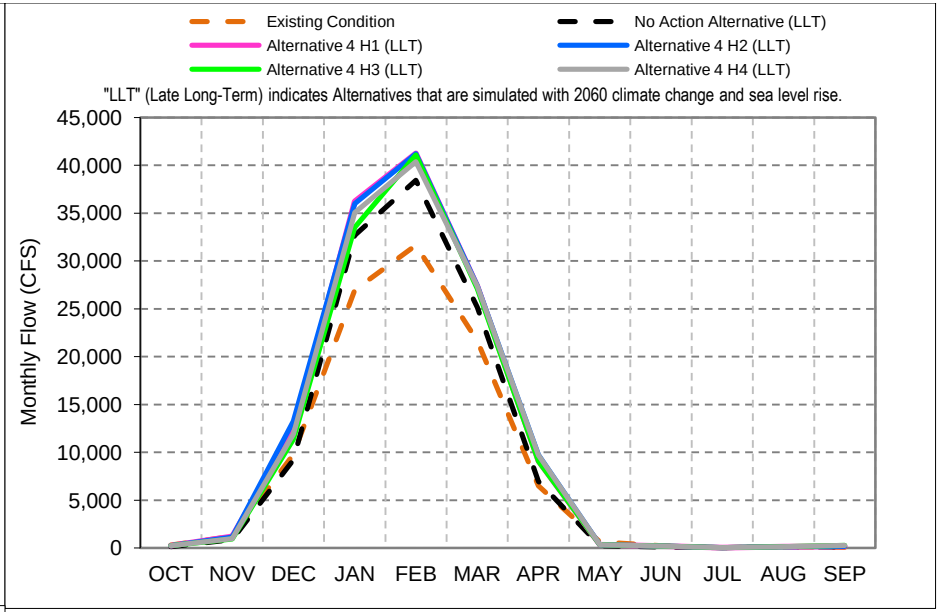


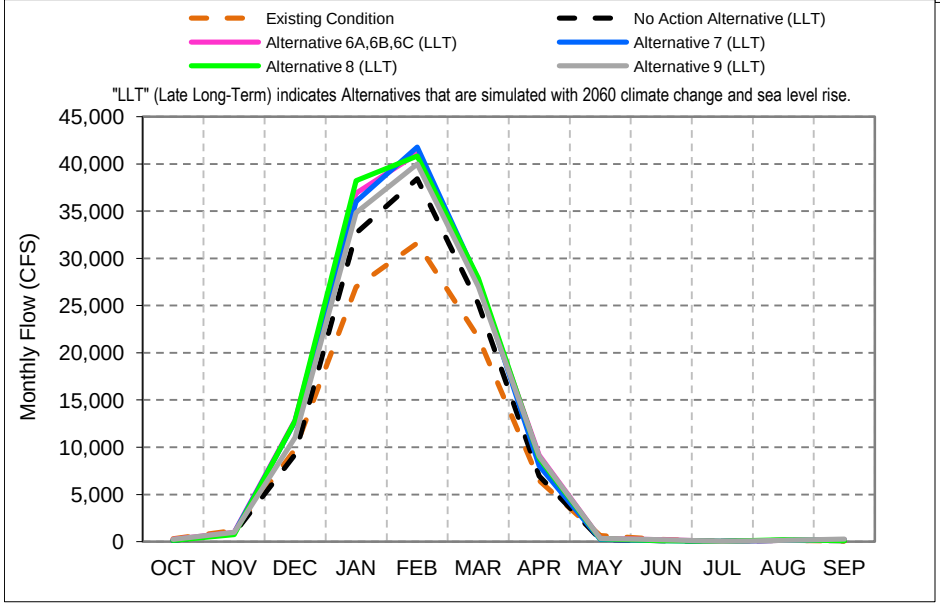
Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-22-1. Yolo Bypass, Long-Term Average Flow





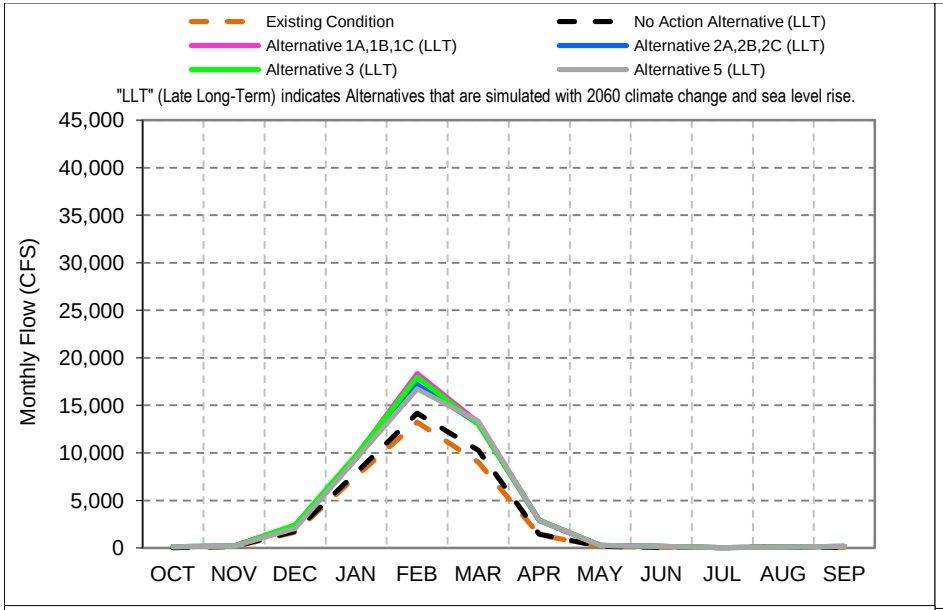


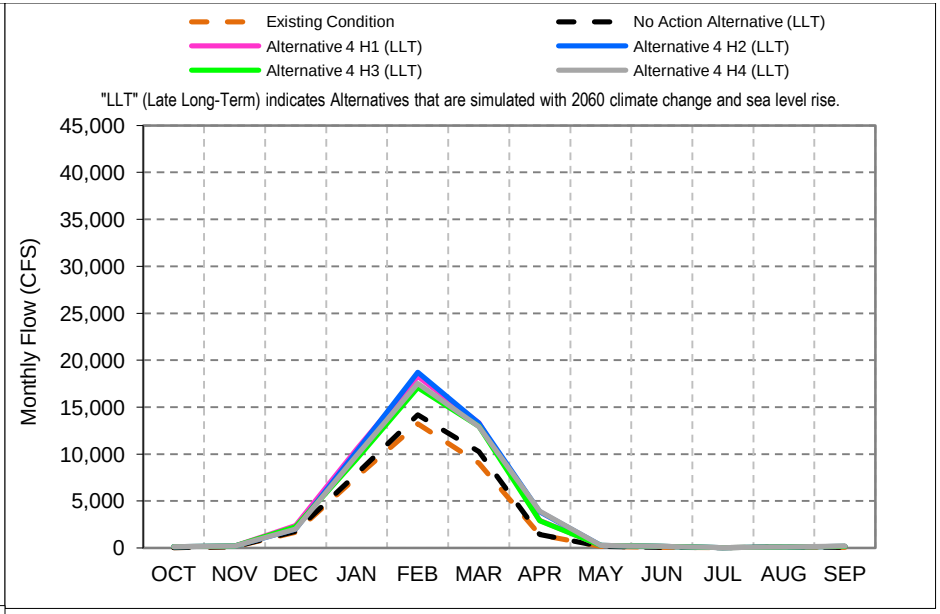
Alternative 4 Scenario Definitions:

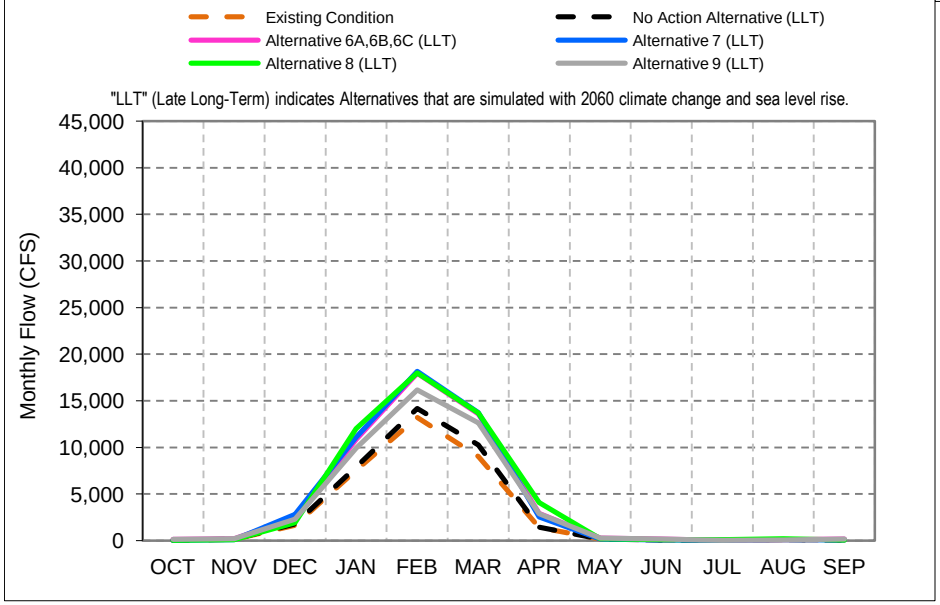
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-22-2. Yolo Bypass, Wet Year* Average Flow





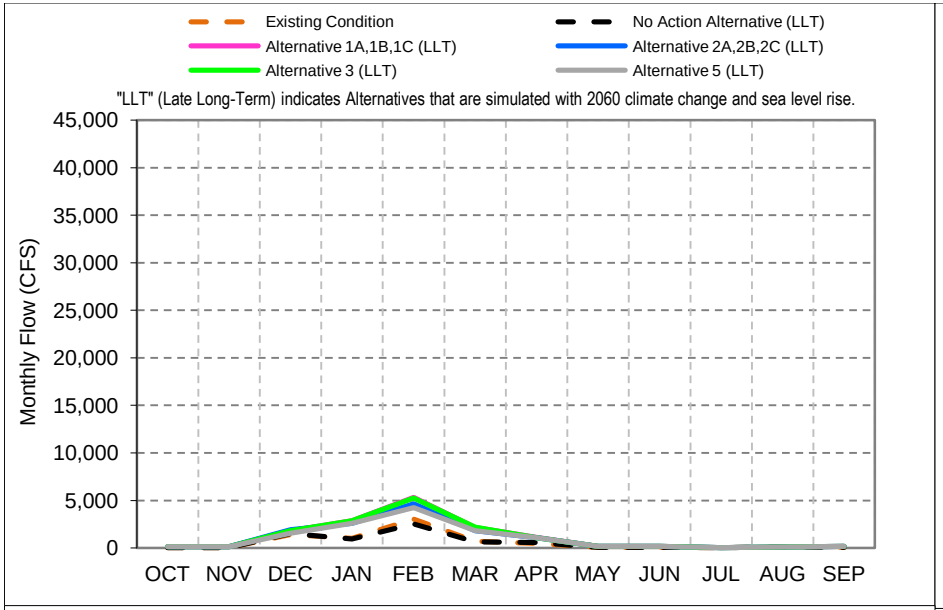


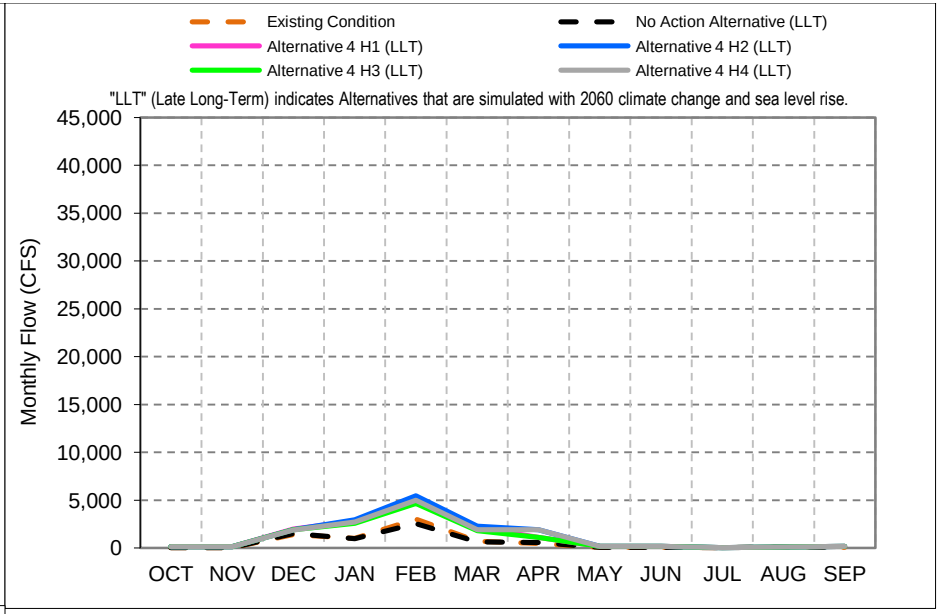
Alternative 4 Scenario Definitions:

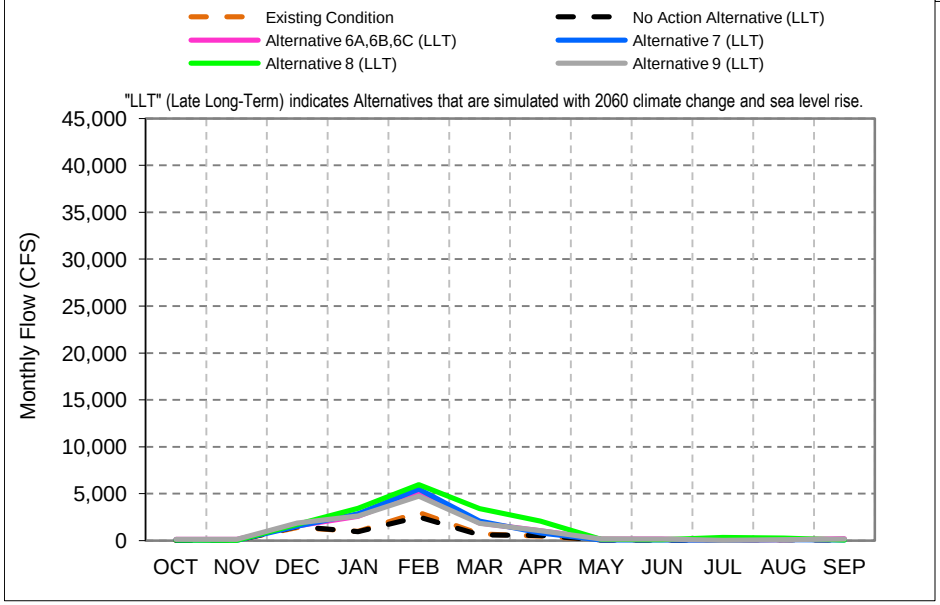
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-22-3. Yolo Bypass, Above Normal Year* Average Flow





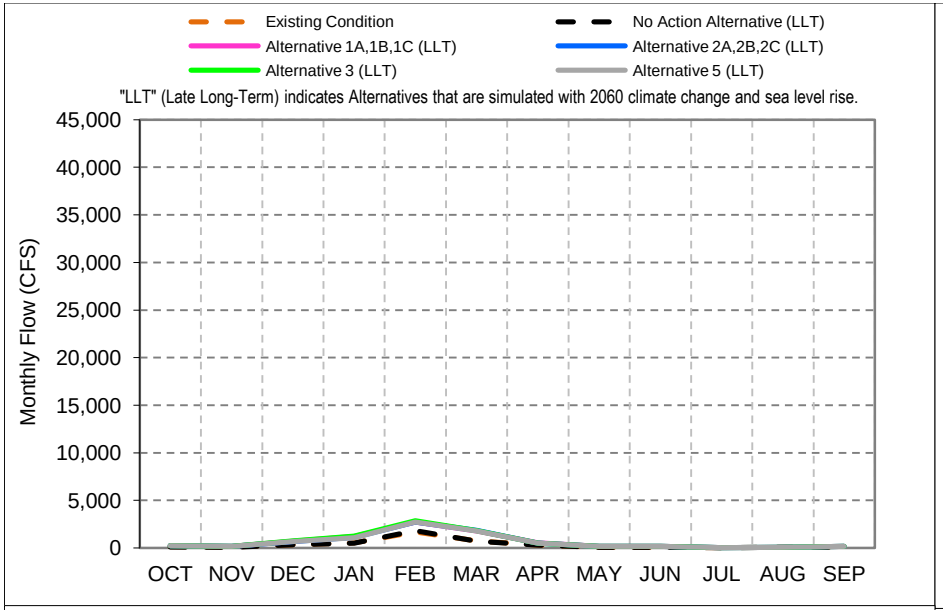


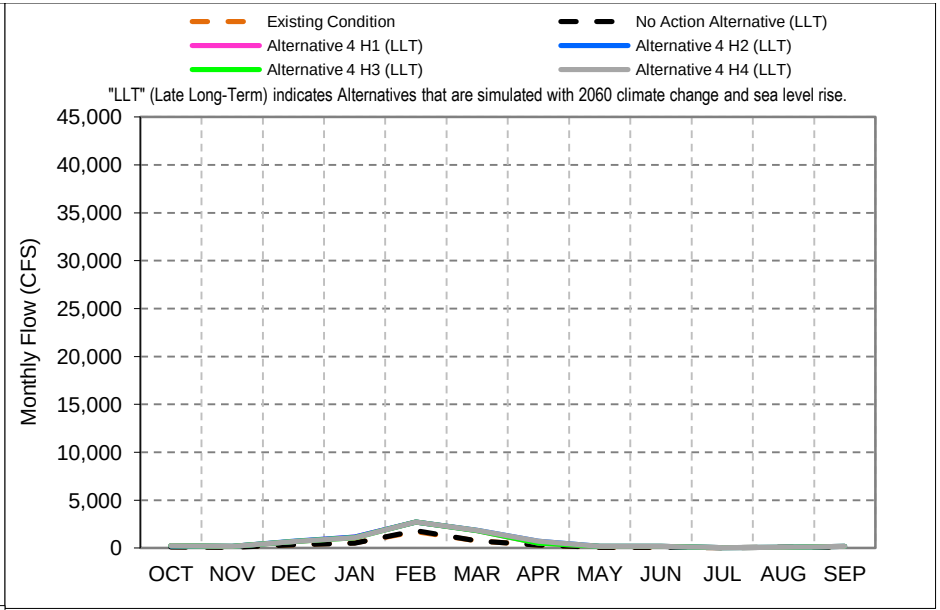
Alternative 4 Scenario Definitions:

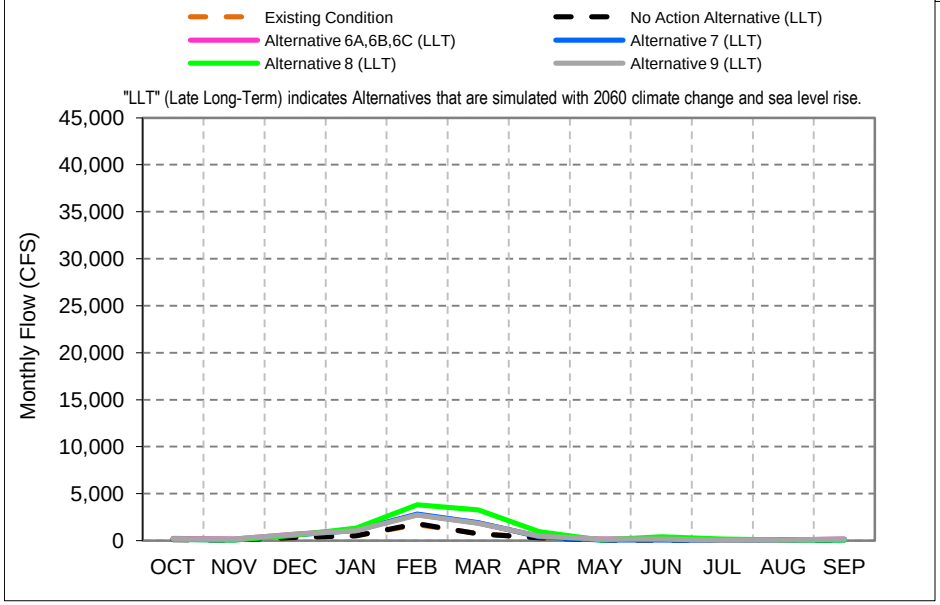
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-22-4. Yolo Bypass, Below Normal Year* Average Flow





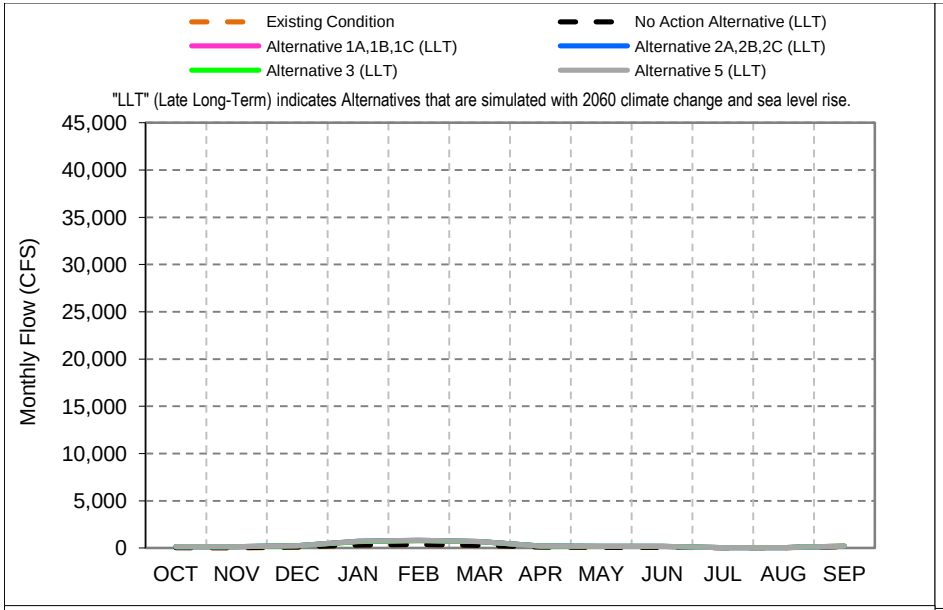


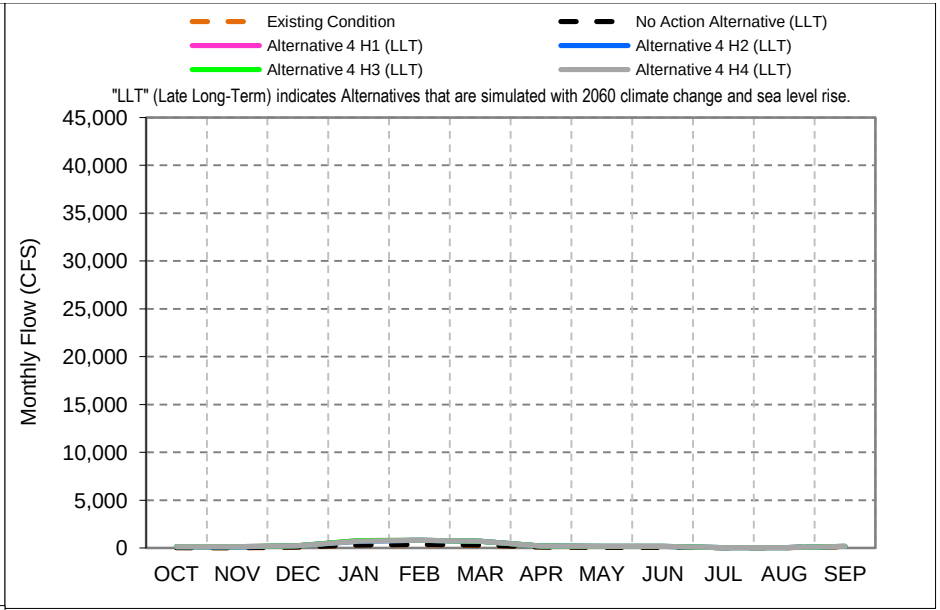
Alternative 4 Scenario Definitions:

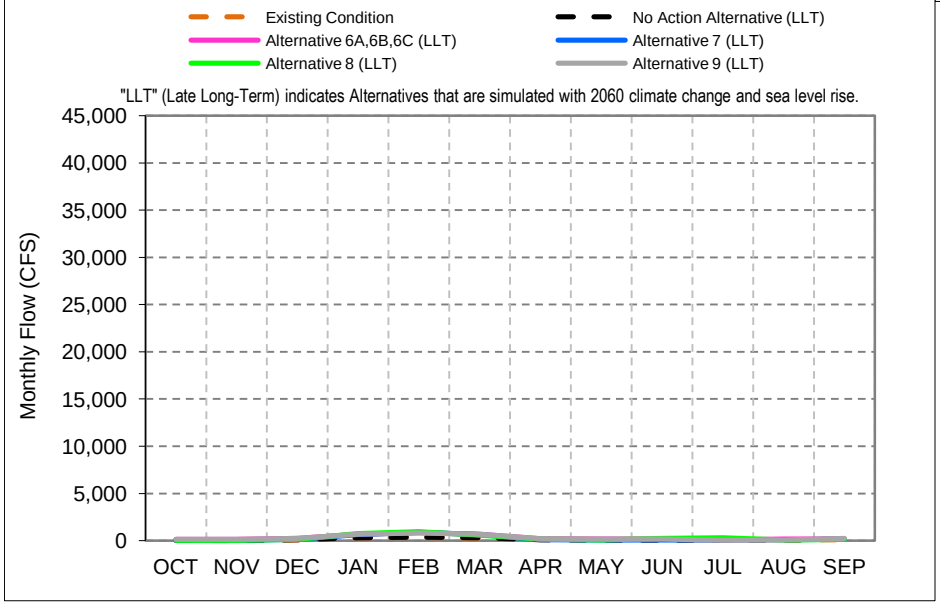
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-22-5. Yolo Bypass, Dry Year* Average Flow







Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-22-6. Yolo Bypass, Critical Year* Average Flow

Table C-22-1. Yolo Bypass, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	74	425	13,029	34,322	44,019	23,884	6,581	314	66	47	181	168
20%	59	105	2,852	12,944	17,808	7,921	3,162	75	66	47	54	82
30%	57	40	955	4,016	7,657	3,425	532	70	66	47	54	57
40%	50	9	313	1,888	5,306	1,737	196	67	66	47	54	57
50%	47	8	155	552	2,361	940	133	65	66	47	54	57
60%	40	5	36	315	700	359	110	62	65	47	54	57
70%	34	1	5	115	234	115	86	60	64	47	54	56
80%	17	0	0	50	58	47	73	56	63	47	54	54
90%	8	0	0	4	1	6	53	50	61	47	53	50
Long Term												
Full Simulation Period[a]	144	432	3,669	9,989	12,908	8,508	2,428	267	120	47	102	81
Water Year Types[b]												
Wet (32%)	305	1,196	9,767	26,963	31,634	21,628	6,490	640	240	47	149	76
Above Normal (15%)	37	132	1,663	7,560	13,234	9,041	1,400	183	65	47	96	68
Below Normal (17%)	52	29	1,408	1,007	3,018	715	488	64	64	47	116	88
Dry (22%)	125	120	353	536	1,703	749	306	76	65	47	61	74
Critical (15%)	39	15	78	299	352	279	104	65	63	47	54	109

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	74	475	8,414	36,552	52,985	26,415	7,160	82	68	48	174	266
20%	63	145	2,777	14,445	24,550	9,902	3,203	77	68	48	55	134
30%	60	50	797	4,805	8,687	4,466	635	72	68	48	55	59
40%	54	25	328	2,005	4,990	2,026	229	69	68	48	55	59
50%	49	9	137	482	2,195	802	139	67	67	48	55	59
60%	43	6	60	243	609	229	114	64	67	48	55	59
70%	32	2	20	79	228	90	95	62	66	48	55	58
80%	17	0	0	42	65	45	78	58	64	48	55	56
90%	6	0	0	0	4	7	56	53	62	48	54	52
Long Term												
Full Simulation Period[a]	87	326	3,526	11,835	15,146	9,795	2,596	138	82	49	100	102
Water Year Types[b]												
Wet (32%)	126	876	9,209	32,670	38,424	25,168	6,953	229	118	48	143	110
Above Normal (15%)	38	159	1,772	7,913	14,188	10,281	1,450	183	66	48	95	65
Below Normal (17%)	50	35	1,505	961	2,539	631	563	67	66	48	114	86
Dry (22%)	121	69	343	500	1,821	729	308	77	67	48	62	76
Critical (15%)	44	27	98	306	363	292	107	68	64	55	54	182

No Action Alternative (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	**0**	50	**-4,615**	2,230	8,966	2,532	579	**-233**	2	1	**-8**	99
20%	4	40	**-76**	1,501	6,742	1,981	41	2	2	1	1	52
30%	4	10	**-158**	789	1,030	1,042	103	2	2	1	1	2
40%	4	15	15	117	**-316**	289	34	2	2	1	1	2
50%	2	1	**-19**	**-70**	**-166**	**-139**	6	2	2	1	1	2
60%	3	2	23	**-71**	**-91**	**-130**	5	2	2	1	1	2
70%	**-2**	1	15	**-36**	**-6**	**-26**	9	3	2	1	1	2
80%	**0**	0	0	**-8**	8	**-2**	5	2	2	1	1	2
90%	**-2**	0	0	**-4**	3	1	3	3	2	1	1	2
Long Term												
Full Simulation Period[a]	**-57**	**-106**	**-144**	1,846	2,238	1,287	168	**-129**	**-38**	2	**-2**	21
Water Year Types[b]												
Wet (32%)	**-179**	**-320**	**-558**	5,707	6,789	3,540	463	**-411**	**-122**	1	**-6**	34
Above Normal (15%)	1	27	109	353	954	1,240	50	**0**	2	1	**-1**	**-3**
Below Normal (17%)	**-2**	6	97	**-46**	**-480**	**-84**	76	3	2	1	**-2**	**-2**
Dry (22%)	**-4**	**-51**	**-10**	**-36**	118	**-20**	2	1	2	1	1	2
Critical (15%)	5	12	20	7	11	13	2	3	2	8	1	73

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-22-2. Yolo Bypass, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	74	425	13,029	34,322	44,019	23,884	6,581	314	66	47	181	168
20%	59	105	2,852	12,944	17,808	7,921	3,162	75	66	47	54	82
30%	57	40	955	4,016	7,657	3,425	532	70	66	47	54	57
40%	50	9	313	1,888	5,306	1,737	196	67	66	47	54	57
50%	47	8	155	552	2,361	940	133	65	66	47	54	57
60%	40	5	36	315	700	359	110	62	65	47	54	57
70%	34	1	5	115	234	115	86	60	64	47	54	56
80%	17	0	0	50	58	47	73	56	63	47	54	54
90%	8	0	0	4	1	6	53	50	61	47	53	50
Long Term												
Full Simulation Period[a]	144	432	3,669	9,989	12,908	8,508	2,428	267	120	47	102	81
Water Year Types[b]												
Wet (32%)	305	1,196	9,767	26,963	31,634	21,628	6,490	640	240	47	149	76
Above Normal (15%)	37	132	1,663	7,560	13,234	9,041	1,400	183	65	47	96	68
Below Normal (17%)	52	29	1,408	1,007	3,018	715	488	64	64	47	116	88
Dry (22%)	125	120	353	536	1,703	749	306	76	65	47	61	74
Critical (15%)	39	15	78	299	352	279	104	65	63	47	54	109

Alternative 1A,1B,1C (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	175	575	13,808	42,074	57,276	28,861	10,305	182	168	48	174	252
20%	163	245	5,775	18,243	25,916	12,349	6,877	177	168	48	55	161
30%	160	150	1,942	8,103	12,875	8,667	2,318	172	168	48	55	159
40%	154	120	985	5,054	9,663	4,864	545	169	168	48	55	159
50%	145	109	577	2,306	4,893	2,985	315	167	167	48	55	159
60%	140	105	324	1,280	2,789	1,601	259	164	167	48	55	159
70%	129	101	197	643	690	711	231	162	166	48	55	158
80%	116	100	110	250	338	269	200	158	164	48	55	155
90%	105	100	100	108	152	149	180	153	162	48	54	152
Long Term												
Full Simulation Period[a]	187	461	4,785	13,676	17,391	11,505	3,621	238	181	48	101	178
Water Year Types[b]												
Wet (32%)	225	1,113	12,422	35,972	41,241	27,454	8,994	329	214	48	147	173
Above Normal (15%)	139	202	2,341	9,653	18,362	13,209	2,926	283	166	48	95	165
Below Normal (17%)	141	138	1,830	2,871	5,337	2,175	1,114	167	166	48	114	185
Dry (22%)	229	168	719	1,211	2,733	1,793	545	177	167	48	62	165
Critical (15%)	146	127	228	694	797	693	213	168	164	48	54	213

Alternative 1A,1B,1C (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	101	150	779	7,752	13,257	4,977	3,724	-133	102	1	-8	85
20%	104	140	2,923	5,300	8,108	4,429	3,715	102	102	1	1	79
30%	103	110	986	4,087	5,218	5,243	1,786	102	102	1	1	102
40%	103	110	673	3,166	4,357	3,127	349	102	102	1	1	102
50%	98	101	422	1,753	2,532	2,044	183	102	102	1	1	102
60%	100	101	288	966	2,089	1,242	150	102	102	1	1	102
70%	95	100	192	528	456	596	146	103	102	1	1	101
80%	99	100	110	200	281	222	127	102	102	1	1	101
90%	97	100	100	105	151	143	127	103	102	1	1	102
Long Term												
Full Simulation Period[a]	43	30	1,116	3,687	4,484	2,997	1,193	-29	61	1	-1	97
Water Year Types[b]												
Wet (32%)	-81	-82	2,655	9,009	9,607	5,827	2,504	-311	-26	1	-2	97
Above Normal (15%)	102	70	678	2,092	5,128	4,169	1,526	100	102	1	-1	97
Below Normal (17%)	89	109	422	1,864	2,318	1,461	626	103	102	1	-2	97
Dry (22%)	105	48	367	675	1,031	1,044	240	101	102	1	1	91
Critical (15%)	107	112	151	396	445	414	109	103	102	1	1	103

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-22-3. Yolo Bypass, Monthly Flow

Existing Condition

Statistic	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	74	425	13,029	34,322	44,019	23,884	6,581	314	66	47	181	168
20%	59	105	2,852	12,944	17,808	7,921	3,162	75	66	47	54	82
30%	57	40	955	4,016	7,657	3,425	532	70	66	47	54	57
40%	50	9	313	1,888	5,306	1,737	196	67	66	47	54	57
50%	47	8	155	552	2,361	940	133	65	66	47	54	57
60%	40	5	36	315	700	359	110	62	65	47	54	57
70%	34	1	5	115	234	115	86	60	64	47	54	56
80%	17	0	0	50	58	47	73	56	63	47	54	54
90%	8	0	0	4	1	6	53	50	61	47	53	50
Long Term												
Full Simulation Period[a]	144	432	3,669	9,989	12,908	8,508	2,428	267	120	47	102	81
Water Year Types[b]												
Wet (32%)	305	1,196	9,767	26,963	31,634	21,628	6,490	640	240	47	149	76
Above Normal (15%)	37	132	1,663	7,560	13,234	9,041	1,400	183	65	47	96	68
Below Normal (17%)	52	29	1,408	1,007	3,018	715	488	64	64	47	116	88
Dry (22%)	125	120	353	536	1,703	749	306	76	65	47	61	74
Critical (15%)	39	15	78	299	352	279	104	65	63	47	54	109

Alternative 2A,2B,2C (LLT)

Statistic	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	192	575	11,022	34,663	54,845	27,465	10,308	182	168	48	174	295
20%	163	245	5,775	16,617	26,776	12,368	6,749	177	168	48	55	210
30%	160	150	1,894	8,105	12,339	8,651	2,243	172	168	48	55	159
40%	154	125	881	4,697	9,238	4,898	532	169	168	48	55	159
50%	145	109	540	2,014	4,896	2,812	275	167	167	48	55	159
60%	141	107	293	1,052	2,340	1,347	234	164	167	48	55	159
70%	132	102	154	473	691	635	211	162	166	48	55	158
80%	117	100	103	230	347	228	187	158	164	48	55	156
90%	105	100	100	115	142	149	173	153	162	48	54	152
Long Term												
Full Simulation Period[a]	188	414	4,461	12,838	16,959	11,341	3,632	238	181	48	100	201
Water Year Types[b]												
Wet (32%)	225	964	11,376	33,649	40,767	27,149	9,063	328	214	48	144	261
Above Normal (15%)	141	204	2,359	9,433	17,190	13,062	2,902	283	166	48	95	165
Below Normal (17%)	142	137	1,922	2,595	4,667	1,838	1,096	167	166	48	114	185
Dry (22%)	231	169	669	1,104	2,735	1,846	523	177	167	48	62	165
Critical (15%)	146	127	228	703	823	696	212	168	164	48	54	178

Alternative 2A,2B,2C (LLT) minus Existing Condition

Statistic	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	117	150	**-2,007**	340	10,827	3,581	3,727	**-133**	102	1	**-8**	127
20%	104	140	2,922	3,674	8,969	4,447	3,587	102	102	1	1	129
30%	103	110	938	4,089	4,682	5,226	1,711	102	102	1	1	102
40%	103	115	569	2,809	3,932	3,161	336	102	102	1	1	102
50%	98	102	385	1,462	2,534	1,872	142	102	102	1	1	102
60%	101	102	257	738	1,640	988	124	102	102	1	1	102
70%	97	101	149	359	458	520	126	103	102	1	1	102
80%	100	100	103	180	289	181	114	102	102	1	1	102
90%	97	100	100	111	141	143	120	103	102	1	1	102
Long Term												
Full Simulation Period[a]	44	**-17**	791	2,849	4,052	2,833	1,203	**-29**	61	1	**-2**	120
Water Year Types[b]												
Wet (32%)	**-80**	**-232**	1,609	6,687	9,133	5,521	2,573	**-312**	**-26**	1	**-5**	185
Above Normal (15%)	104	72	696	1,872	3,955	4,022	1,503	100	102	1	**-1**	97
Below Normal (17%)	90	108	515	1,589	1,648	1,124	608	103	102	1	**-2**	97
Dry (22%)	106	49	316	568	1,032	1,097	217	101	102	1	1	91
Critical (15%)	107	112	151	405	471	416	108	103	102	1	1	69

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-22-4. Yolo Bypass, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	74	425	13,029	34,322	44,019	23,884	6,581	314	66	47	181	168
20%	59	105	2,852	12,944	17,808	7,921	3,162	75	66	47	54	82
30%	57	40	955	4,016	7,657	3,425	532	70	66	47	54	57
40%	50	9	313	1,888	5,306	1,737	196	67	66	47	54	57
50%	47	8	155	552	2,361	940	133	65	66	47	54	57
60%	40	5	36	315	700	359	110	62	65	47	54	57
70%	34	1	5	115	234	115	86	60	64	47	54	56
80%	17	0	0	50	58	47	73	56	63	47	54	54
90%	8	0	0	4	1	6	53	50	61	47	53	50
Long Term												
Full Simulation Period[a]	144	432	3,669	9,989	12,908	8,508	2,428	267	120	47	102	81
Water Year Types[b]												
Wet (32%)	305	1,196	9,767	26,963	31,634	21,628	6,490	640	240	47	149	76
Above Normal (15%)	37	132	1,663	7,560	13,234	9,041	1,400	183	65	47	96	68
Below Normal (17%)	52	29	1,408	1,007	3,018	715	488	64	64	47	116	88
Dry (22%)	125	120	353	536	1,703	749	306	76	65	47	61	74
Critical (15%)	39	15	78	299	352	279	104	65	63	47	54	109

Alternative 3 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	188	575	14,528	41,650	57,275	28,858	10,306	182	168	48	170	252
20%	163	245	6,115	19,257	25,913	12,349	6,880	177	168	48	55	161
30%	160	150	1,927	8,253	12,492	8,613	2,319	172	168	48	55	159
40%	154	120	911	5,098	9,573	4,940	506	169	168	48	55	159
50%	147	109	576	2,280	4,890	2,948	302	167	167	48	55	159
60%	140	105	392	1,410	2,714	1,609	243	164	167	48	55	159
70%	129	101	197	563	969	708	219	162	166	48	55	158
80%	116	100	106	239	340	269	196	158	164	48	55	155
90%	105	100	100	107	137	150	173	153	162	48	54	152
Long Term												
Full Simulation Period[a]	188	462	4,808	13,710	17,444	11,499	3,621	239	181	48	101	178
Water Year Types[b]												
Wet (32%)	224	1,117	12,440	36,019	41,527	27,506	9,024	332	214	48	147	173
Above Normal (15%)	139	202	2,414	9,756	17,988	13,003	2,919	283	166	48	95	165
Below Normal (17%)	141	138	1,814	2,855	5,265	2,190	1,097	167	166	48	114	185
Dry (22%)	230	168	758	1,239	2,862	1,815	518	177	167	48	61	165
Critical (15%)	150	127	229	698	802	700	212	168	164	48	54	213

Alternative 3 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	114	150	1,498	7,327	13,257	4,974	3,724	-133	102	1	-11	85
20%	104	140	3,262	6,314	8,106	4,428	3,718	102	102	1	1	79
30%	104	110	972	4,238	4,835	5,188	1,786	102	102	1	1	102
40%	104	110	598	3,210	4,267	3,203	311	102	102	1	1	102
50%	100	101	420	1,727	2,529	2,008	169	102	102	1	1	102
60%	100	101	356	1,095	2,014	1,250	133	102	102	1	1	102
70%	95	100	192	448	736	593	133	103	102	1	1	101
80%	99	100	106	189	282	221	123	102	102	1	1	101
90%	97	100	100	103	136	144	120	103	102	1	1	102
Long Term												
Full Simulation Period[a]	44	31	1,138	3,721	4,536	2,991	1,192	-28	61	1	-1	97
Water Year Types[b]												
Wet (32%)	-81	-79	2,673	9,056	9,892	5,879	2,534	-308	-26	1	-2	97
Above Normal (15%)	102	70	751	2,195	4,753	3,962	1,519	100	102	1	-1	97
Below Normal (17%)	89	109	406	1,848	2,247	1,476	610	103	102	1	-2	97
Dry (22%)	105	48	406	703	1,159	1,066	212	101	102	1	1	91
Critical (15%)	111	112	152	399	450	420	108	103	102	1	1	103

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-22-5. Yolo Bypass, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	74	425	13,029	34,322	44,019	23,884	6,581	314	66	47	181	168
20%	59	105	2,852	12,944	17,808	7,921	3,162	75	66	47	54	82
30%	57	40	955	4,016	7,657	3,425	532	70	66	47	54	57
40%	50	9	313	1,888	5,306	1,737	196	67	66	47	54	57
50%	47	8	155	552	2,361	940	133	65	66	47	54	57
60%	40	5	36	315	700	359	110	62	65	47	54	57
70%	34	1	5	115	234	115	86	60	64	47	54	56
80%	17	0	0	50	58	47	73	56	63	47	54	54
90%	8	0	0	4	1	6	53	50	61	47	53	50
Long Term												
Full Simulation Period[a]	144	432	3,669	9,989	12,908	8,508	2,428	267	120	47	102	81
Water Year Types[b]												
Wet (32%)	305	1,196	9,767	26,963	31,634	21,628	6,490	640	240	47	149	76
Above Normal (15%)	37	132	1,663	7,560	13,234	9,041	1,400	183	65	47	96	68
Below Normal (17%)	52	29	1,408	1,007	3,018	715	488	64	64	47	116	88
Dry (22%)	125	120	353	536	1,703	749	306	76	65	47	61	74
Critical (15%)	39	15	78	299	352	279	104	65	63	47	54	109

Alternative 4 H1 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	164	575	13,696	42,152	56,466	28,871	10,532	182	168	48	164	227
20%	163	245	5,808	20,215	25,929	12,365	6,883	177	168	48	55	159
30%	160	151	1,784	8,208	12,606	8,912	2,108	172	168	48	55	159
40%	154	127	771	5,142	10,023	5,194	619	169	168	48	55	159
50%	145	109	523	2,410	4,898	2,955	287	167	167	48	55	159
60%	140	107	344	1,257	3,118	1,531	234	164	167	48	55	159
70%	129	102	158	563	830	698	212	162	166	48	55	158
80%	116	100	110	206	334	228	187	158	164	48	55	155
90%	105	100	100	127	129	149	169	153	162	48	54	152
Long Term												
Full Simulation Period[a]	188	494	4,776	13,873	17,381	11,493	3,642	237	181	48	100	171
Water Year Types[b]												
Wet (32%)	228	1,215	12,304	36,226	41,250	27,374	9,093	328	214	48	147	173
Above Normal (15%)	139	204	2,390	10,537	18,263	13,315	2,921	283	166	48	95	165
Below Normal (17%)	141	138	1,988	2,832	5,364	2,151	1,095	167	166	48	106	185
Dry (22%)	230	169	689	1,133	2,724	1,802	518	177	167	48	61	165
Critical (15%)	142	127	233	768	792	694	212	168	164	48	54	167

Alternative 4 H1 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	90	150	667	7,830	12,447	4,988	3,951	**-133**	102	1	**-17**	59
20%	104	140	2,956	7,271	8,122	4,445	3,721	102	102	1	1	78
30%	103	111	829	4,192	4,950	5,487	1,575	102	102	1	1	102
40%	103	117	459	3,255	4,717	3,457	424	102	102	1	1	102
50%	98	102	368	1,858	2,536	2,014	154	102	102	1	1	102
60%	100	102	308	942	2,418	1,172	124	102	102	1	1	102
70%	95	101	153	449	596	583	126	103	102	1	1	101
80%	99	100	110	156	277	181	114	102	102	1	1	101
90%	97	100	100	123	128	143	116	103	102	1	1	102
Long Term												
Full Simulation Period[a]	44	62	1,106	3,884	4,474	2,985	1,214	**-29**	61	1	**-2**	90
Water Year Types[b]												
Wet (32%)	**-77**	19	2,537	9,263	9,615	5,746	2,603	**-312**	**-26**	1	**-2**	97
Above Normal (15%)	102	72	727	2,977	5,029	4,275	1,521	100	102	1	**-1**	97
Below Normal (17%)	89	109	581	1,825	2,345	1,437	607	103	102	1	**-10**	97
Dry (22%)	105	49	336	598	1,021	1,053	212	101	102	1	0	91
Critical (15%)	103	112	156	470	441	415	108	103	102	1	1	57

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-22-6. Yolo Bypass, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	74	425	13,029	34,322	44,019	23,884	6,581	314	66	47	181	168
20%	59	105	2,852	12,944	17,808	7,921	3,162	75	66	47	54	82
30%	57	40	955	4,016	7,657	3,425	532	70	66	47	54	57
40%	50	9	313	1,888	5,306	1,737	196	67	66	47	54	57
50%	47	8	155	552	2,361	940	133	65	66	47	54	57
60%	40	5	36	315	700	359	110	62	65	47	54	57
70%	34	1	5	115	234	115	86	60	64	47	54	56
80%	17	0	0	50	58	47	73	56	63	47	54	54
90%	8	0	0	4	1	6	53	50	61	47	53	50
Long Term												
Full Simulation Period[a]	144	432	3,669	9,989	12,908	8,508	2,428	267	120	47	102	81
Water Year Types[b]												
Wet (32%)	305	1,196	9,767	26,963	31,634	21,628	6,490	640	240	47	149	76
Above Normal (15%)	37	132	1,663	7,560	13,234	9,041	1,400	183	65	47	96	68
Below Normal (17%)	52	29	1,408	1,007	3,018	715	488	64	64	47	116	88
Dry (22%)	125	120	353	536	1,703	749	306	76	65	47	61	74
Critical (15%)	39	15	78	299	352	279	104	65	63	47	54	109

Alternative 4 H2 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	164	575	15,313	47,179	57,091	28,885	10,461	182	168	48	167	227
20%	162	245	5,885	16,872	23,043	12,366	6,564	177	168	48	55	159
30%	160	146	2,392	8,116	12,852	8,709	4,069	172	168	48	55	159
40%	154	117	749	5,142	9,672	4,874	2,757	169	168	48	55	159
50%	146	109	508	2,941	4,891	3,387	1,636	167	167	48	55	159
60%	141	105	258	1,074	2,776	1,599	336	164	167	48	55	159
70%	136	101	142	612	712	640	239	162	166	48	55	158
80%	118	100	102	190	334	229	212	158	164	48	55	155
90%	109	100	100	128	124	148	178	153	162	48	54	152
Long Term												
Full Simulation Period[a]	187	474	5,015	13,782	17,448	11,530	4,161	238	181	48	100	171
Water Year Types[b]												
Wet (32%)	225	1,157	13,264	36,001	41,195	27,399	9,735	329	214	48	147	173
Above Normal (15%)	139	205	2,020	10,299	18,706	13,285	3,841	283	166	48	95	165
Below Normal (17%)	149	134	1,918	2,937	5,470	2,273	1,924	167	166	48	106	185
Dry (22%)	222	169	697	1,158	2,725	1,849	694	177	167	48	61	165
Critical (15%)	141	119	230	711	796	710	213	168	164	48	54	167

Alternative 4 H2 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	90	150	2,284	12,857	13,072	5,001	3,880	-133	102	1	-15	59
20%	103	140	3,033	3,929	5,235	4,445	3,401	102	102	1	1	78
30%	103	106	1,437	4,100	5,196	5,285	3,537	102	102	1	1	102
40%	103	107	437	3,255	4,366	3,137	2,562	102	102	1	1	102
50%	98	101	353	2,389	2,530	2,447	1,503	102	102	1	1	102
60%	101	101	222	759	2,076	1,240	226	102	102	1	1	102
70%	102	100	137	497	478	524	153	103	102	1	1	101
80%	101	100	102	140	277	181	138	102	102	1	1	101
90%	101	100	100	124	124	142	126	103	102	1	1	102
Long Term												
Full Simulation Period[a]	42	42	1,346	3,793	4,540	3,022	1,732	-29	61	1	-2	90
Water Year Types[b]												
Wet (32%)	-80	-38	3,497	9,038	9,561	5,772	3,245	-311	-26	1	-2	97
Above Normal (15%)	102	73	357	2,738	5,472	4,244	2,441	100	102	1	-1	97
Below Normal (17%)	97	105	510	1,930	2,452	1,559	1,436	103	102	1	-10	97
Dry (22%)	97	49	344	623	1,022	1,100	388	101	102	1	1	91
Critical (15%)	103	105	153	412	444	431	109	103	102	1	1	57

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-22-7. Yolo Bypass, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	74	425	13,029	34,322	44,019	23,884	6,581	314	66	47	181	168
20%	59	105	2,852	12,944	17,808	7,921	3,162	75	66	47	54	82
30%	57	40	955	4,016	7,657	3,425	532	70	66	47	54	57
40%	50	9	313	1,888	5,306	1,737	196	67	66	47	54	57
50%	47	8	155	552	2,361	940	133	65	66	47	54	57
60%	40	5	36	315	700	359	110	62	65	47	54	57
70%	34	1	5	115	234	115	86	60	64	47	54	56
80%	17	0	0	50	58	47	73	56	63	47	54	54
90%	8	0	0	4	1	6	53	50	61	47	53	50
Long Term												
Full Simulation Period[a]	144	432	3,669	9,989	12,908	8,508	2,428	267	120	47	102	81
Water Year Types[b]												
Wet (32%)	305	1,196	9,767	26,963	31,634	21,628	6,490	640	240	47	149	76
Above Normal (15%)	37	132	1,663	7,560	13,234	9,041	1,400	183	65	47	96	68
Below Normal (17%)	52	29	1,408	1,007	3,018	715	488	64	64	47	116	88
Dry (22%)	125	120	353	536	1,703	749	306	76	65	47	61	74
Critical (15%)	39	15	78	299	352	279	104	65	63	47	54	109

Alternative 4 H3 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	175	575	11,262	34,729	56,253	27,482	10,302	182	168	48	174	303
20%	163	245	5,841	16,575	26,256	12,367	6,880	177	168	48	55	210
30%	160	150	1,846	8,098	12,242	8,230	2,244	172	168	48	55	159
40%	154	127	757	4,696	9,109	4,728	620	169	168	48	55	159
50%	145	109	483	2,005	4,898	2,818	276	167	167	48	55	159
60%	141	107	251	1,018	2,360	1,328	234	164	167	48	55	159
70%	129	102	156	550	703	651	211	162	166	48	55	158
80%	117	100	106	203	330	228	187	158	164	48	55	156
90%	105	100	100	106	128	149	170	153	162	48	54	152
Long Term												
Full Simulation Period[a]	189	412	4,431	12,799	17,034	11,289	3,633	237	181	48	101	201
Water Year Types[b]												
Wet (32%)	228	954	11,336	33,499	41,072	27,087	9,062	328	214	48	147	261
Above Normal (15%)	141	204	2,249	9,471	17,074	12,942	2,911	283	166	48	95	165
Below Normal (17%)	141	138	1,911	2,589	4,650	1,798	1,107	167	166	48	114	185
Dry (22%)	232	169	668	1,077	2,729	1,813	518	177	167	48	62	165
Critical (15%)	142	127	234	767	820	694	212	168	164	48	54	181

Alternative 4 H3 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	101	150	**-1,767**	406	12,234	3,598	3,721	**-133**	102	1	**-8**	135
20%	104	140	2,988	3,632	8,449	4,447	3,717	102	102	1	1	129
30%	103	110	890	4,082	4,585	4,805	1,711	102	102	1	1	102
40%	103	117	445	2,808	3,803	2,991	424	102	102	1	1	102
50%	98	102	328	1,452	2,537	1,878	143	102	102	1	1	102
60%	101	102	215	703	1,660	969	124	102	102	1	1	102
70%	95	101	151	435	470	536	126	103	102	1	1	102
80%	100	100	106	153	272	181	114	102	102	1	1	102
90%	97	100	100	102	127	143	118	103	102	1	1	102
Long Term												
Full Simulation Period[a]	45	**-20**	761	2,810	4,127	2,781	1,205	**-29**	61	1	**-1**	120
Water Year Types[b]												
Wet (32%)	**-77**	**-242**	1,569	6,536	9,438	5,459	2,571	**-312**	**-26**	1	**-2**	185
Above Normal (15%)	104	72	586	1,911	3,840	3,901	1,511	100	102	1	**-1**	97
Below Normal (17%)	89	109	503	1,582	1,631	1,083	619	103	102	1	**-2**	97
Dry (22%)	108	49	315	541	1,026	1,063	213	101	102	1	1	91
Critical (15%)	103	112	156	469	468	414	108	103	102	1	1	71

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-22-8. Yolo Bypass, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	74	425	13,029	34,322	44,019	23,884	6,581	314	66	47	181	168
20%	59	105	2,852	12,944	17,808	7,921	3,162	75	66	47	54	82
30%	57	40	955	4,016	7,657	3,425	532	70	66	47	54	57
40%	50	9	313	1,888	5,306	1,737	196	67	66	47	54	57
50%	47	8	155	552	2,361	940	133	65	66	47	54	57
60%	40	5	36	315	700	359	110	62	65	47	54	57
70%	34	1	5	115	234	115	86	60	64	47	54	56
80%	17	0	0	50	58	47	73	56	63	47	54	54
90%	8	0	0	4	1	6	53	50	61	47	53	50
Long Term												
Full Simulation Period[a]	144	432	3,669	9,989	12,908	8,508	2,428	267	120	47	102	81
Water Year Types[b]												
Wet (32%)	305	1,196	9,767	26,963	31,634	21,628	6,490	640	240	47	149	76
Above Normal (15%)	37	132	1,663	7,560	13,234	9,041	1,400	183	65	47	96	68
Below Normal (17%)	52	29	1,408	1,007	3,018	715	488	64	64	47	116	88
Dry (22%)	125	120	353	536	1,703	749	306	76	65	47	61	74
Critical (15%)	39	15	78	299	352	279	104	65	63	47	54	109

Alternative 4 H4 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	175	575	12,166	41,101	56,075	28,990	10,307	182	168	48	174	303
20%	162	245	5,849	16,620	23,160	12,367	6,705	177	168	48	55	213
30%	160	150	1,971	8,207	12,317	8,476	4,128	172	168	48	55	159
40%	154	117	876	4,700	9,158	4,682	2,758	169	168	48	55	159
50%	146	109	508	2,083	4,900	2,961	1,792	167	167	48	55	159
60%	142	105	230	1,016	2,445	1,344	330	164	167	48	55	159
70%	136	101	145	473	690	569	239	162	166	48	55	158
80%	118	100	102	144	276	228	211	158	164	48	55	156
90%	109	100	100	106	122	149	178	153	162	48	54	152
Long Term												
Full Simulation Period[a]	187	415	4,565	13,358	16,938	11,398	4,161	238	181	48	101	205
Water Year Types[b]												
Wet (32%)	225	966	11,882	35,046	40,379	27,368	9,703	329	214	48	147	263
Above Normal (15%)	141	206	2,034	9,867	17,535	12,930	3,929	283	166	48	95	198
Below Normal (17%)	147	133	1,863	2,718	4,974	1,901	1,911	167	166	48	114	185
Dry (22%)	225	169	675	1,071	2,728	1,830	692	177	167	48	62	165
Critical (15%)	141	127	229	703	825	697	213	168	164	48	54	167

Alternative 4 H4 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	101	150	**-863**	6,778	12,056	5,106	3,726	**-133**	102	1	**-8**	135
20%	103	140	2,997	3,676	5,352	4,446	3,543	102	102	1	1	132
30%	103	110	1,016	4,191	4,660	5,051	3,596	102	102	1	1	102
40%	103	107	564	2,812	3,852	2,945	2,562	102	102	1	1	102
50%	98	101	352	1,530	2,539	2,020	1,659	102	102	1	1	102
60%	102	101	194	701	1,745	986	220	102	102	1	1	102
70%	102	100	140	359	457	454	153	103	102	1	1	102
80%	101	100	102	94	219	181	138	102	102	1	1	102
90%	101	100	100	102	121	143	126	103	102	1	1	102
Long Term												
Full Simulation Period[a]	43	**-17**	896	3,369	4,030	2,890	1,733	**-29**	61	1	**-1**	123
Water Year Types[b]												
Wet (32%)	**-80**	**-229**	2,115	8,083	8,745	5,740	3,213	**-311**	**-26**	1	**-2**	187
Above Normal (15%)	104	74	371	2,306	4,300	3,889	2,529	100	102	1	**-1**	130
Below Normal (17%)	95	105	456	1,711	1,955	1,186	1,424	103	102	1	**-2**	97
Dry (22%)	100	49	323	536	1,025	1,081	386	101	102	1	1	91
Critical (15%)	103	112	151	404	473	417	108	103	102	1	1	57

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-22-9. Yolo Bypass, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	74	425	13,029	34,322	44,019	23,884	6,581	314	66	47	181	168
20%	59	105	2,852	12,944	17,808	7,921	3,162	75	66	47	54	82
30%	57	40	955	4,016	7,657	3,425	532	70	66	47	54	57
40%	50	9	313	1,888	5,306	1,737	196	67	66	47	54	57
50%	47	8	155	552	2,361	940	133	65	66	47	54	57
60%	40	5	36	315	700	359	110	62	65	47	54	57
70%	34	1	5	115	234	115	86	60	64	47	54	56
80%	17	0	0	50	58	47	73	56	63	47	54	54
90%	8	0	0	4	1	6	53	50	61	47	53	50
Long Term												
Full Simulation Period[a]	144	432	3,669	9,989	12,908	8,508	2,428	267	120	47	102	81
Water Year Types[b]												
Wet (32%)	305	1,196	9,767	26,963	31,634	21,628	6,490	640	240	47	149	76
Above Normal (15%)	37	132	1,663	7,560	13,234	9,041	1,400	183	65	47	96	68
Below Normal (17%)	52	29	1,408	1,007	3,018	715	488	64	64	47	116	88
Dry (22%)	125	120	353	536	1,703	749	306	76	65	47	61	74
Critical (15%)	39	15	78	299	352	279	104	65	63	47	54	109

Alternative 5 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	183	575	11,396	33,063	56,240	28,967	10,301	182	168	48	162	362
20%	163	245	5,857	16,596	27,010	12,365	6,881	177	168	48	55	225
30%	161	150	1,907	8,207	12,336	8,970	2,248	172	168	48	55	159
40%	154	120	775	4,692	8,008	4,754	506	169	168	48	55	159
50%	149	109	483	1,909	4,895	2,942	275	167	167	48	55	159
60%	141	106	264	1,009	2,258	1,236	239	164	167	48	55	159
70%	129	101	158	471	691	626	211	162	166	48	55	158
80%	116	100	110	186	332	228	189	158	164	48	55	156
90%	105	100	100	115	139	149	173	153	162	48	54	152
Long Term												
Full Simulation Period[a]	188	408	4,397	12,975	16,912	11,406	3,623	237	181	48	100	207
Water Year Types[b]												
Wet (32%)	225	944	11,508	34,102	41,053	27,262	9,059	328	214	48	147	261
Above Normal (15%)	139	202	2,060	9,399	16,733	13,335	2,906	283	166	48	95	165
Below Normal (17%)	145	138	1,548	2,608	4,257	1,833	1,082	167	166	48	106	185
Dry (22%)	230	168	677	1,085	2,730	1,800	497	177	167	48	60	165
Critical (15%)	145	127	229	704	823	695	216	168	164	48	54	222

Alternative 5 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	108	150	**-1,633**	**-1,259**	12,222	5,083	3,720	**-133**	102	1	**-19**	194
20%	104	140	3,005	3,652	9,202	4,444	3,719	102	102	1	1	144
30%	104	110	952	4,191	4,679	5,545	1,716	102	102	1	1	102
40%	104	110	463	2,804	2,702	3,017	311	102	102	1	1	102
50%	102	101	327	1,357	2,534	2,002	142	102	102	1	1	102
60%	101	101	228	694	1,558	877	129	102	102	1	1	102
70%	95	100	153	357	457	510	126	103	102	1	1	102
80%	99	100	110	136	275	181	115	102	102	1	1	102
90%	97	100	100	112	138	143	120	103	102	1	1	102
Long Term												
Full Simulation Period[a]	44	**-24**	728	2,986	4,004	2,898	1,195	**-30**	61	1	**-3**	126
Water Year Types[b]												
Wet (32%)	**-80**	**-252**	1,741	7,139	9,419	5,634	2,569	**-312**	**-26**	1	**-2**	185
Above Normal (15%)	102	70	397	1,839	3,499	4,295	1,506	100	102	1	**-1**	97
Below Normal (17%)	93	109	140	1,601	1,238	1,119	595	103	102	1	**-10**	97
Dry (22%)	105	48	324	549	1,027	1,051	191	101	102	1	**-1**	91
Critical (15%)	107	112	152	406	472	416	112	103	102	1	1	113

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-22-10. Yolo Bypass, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	74	425	13,029	34,322	44,019	23,884	6,581	314	66	47	181	168
20%	59	105	2,852	12,944	17,808	7,921	3,162	75	66	47	54	82
30%	57	40	955	4,016	7,657	3,425	532	70	66	47	54	57
40%	50	9	313	1,888	5,306	1,737	196	67	66	47	54	57
50%	47	8	155	552	2,361	940	133	65	66	47	54	57
60%	40	5	36	315	700	359	110	62	65	47	54	57
70%	34	1	5	115	234	115	86	60	64	47	54	56
80%	17	0	0	50	58	47	73	56	63	47	54	54
90%	8	0	0	4	1	6	53	50	61	47	53	50
Long Term												
Full Simulation Period[a]	144	432	3,669	9,989	12,908	8,508	2,428	267	120	47	102	81
Water Year Types[b]												
Wet (32%)	305	1,196	9,767	26,963	31,634	21,628	6,490	640	240	47	149	76
Above Normal (15%)	37	132	1,663	7,560	13,234	9,041	1,400	183	65	47	96	68
Below Normal (17%)	52	29	1,408	1,007	3,018	715	488	64	64	47	116	88
Dry (22%)	125	120	353	536	1,703	749	306	76	65	47	61	74
Critical (15%)	39	15	78	299	352	279	104	65	63	47	54	109

Alternative 6A,6B,6C (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	164	575	12,988	35,013	55,118	27,843	10,558	182	168	48	379	338
20%	162	249	6,294	18,301	25,986	12,368	6,870	177	168	48	55	185
30%	159	161	2,298	8,631	12,668	8,999	2,244	172	168	48	55	159
40%	153	136	749	4,706	9,408	4,934	506	169	168	48	55	159
50%	146	123	466	2,082	5,040	2,808	267	167	167	48	55	159
60%	142	110	231	975	2,704	1,547	232	164	167	48	55	159
70%	136	107	142	472	573	658	211	162	166	48	55	158
80%	118	103	109	146	289	224	187	158	164	48	55	156
90%	106	100	100	102	129	148	173	153	162	48	54	152
Long Term												
Full Simulation Period[a]	192	427	4,883	14,094	17,243	11,517	3,645	239	181	49	116	192
Water Year Types[b]												
Wet (32%)	244	993	12,855	36,918	41,066	27,432	9,141	333	214	48	147	210
Above Normal (15%)	134	218	2,429	10,844	17,957	13,598	2,908	283	166	48	95	165
Below Normal (17%)	147	144	1,585	2,606	5,082	1,864	1,070	167	166	48	114	209
Dry (22%)	225	169	672	1,166	2,748	1,867	491	177	167	48	57	182
Critical (15%)	141	129	229	688	847	694	213	168	164	56	164	179

Alternative 6A,6B,6C (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	90	150	-41	690	11,099	3,959	3,977	-133	102	1	197	171
20%	103	144	3,442	5,358	8,178	4,447	3,708	102	102	1	1	103
30%	102	122	1,342	4,615	5,012	5,574	1,712	102	102	1	1	102
40%	103	127	436	2,818	4,102	3,196	311	102	102	1	1	102
50%	98	115	311	1,529	2,679	1,867	134	102	102	1	1	102
60%	102	105	195	660	2,004	1,188	123	102	102	1	1	102
70%	102	106	137	358	340	542	126	103	102	1	1	102
80%	101	103	109	96	231	177	114	102	102	1	1	102
90%	98	100	100	99	128	142	120	103	102	1	1	102
Long Term												
Full Simulation Period[a]	48	-5	1,214	4,105	4,336	3,009	1,217	-28	61	2	14	111
Water Year Types[b]												
Wet (32%)	-61	-202	3,088	9,955	9,431	5,804	2,650	-307	-26	1	-2	134
Above Normal (15%)	97	86	766	3,283	4,722	4,557	1,508	100	102	1	-1	97
Below Normal (17%)	95	115	178	1,599	2,063	1,149	583	103	102	1	-2	122
Dry (22%)	100	49	320	630	1,045	1,117	186	101	102	1	-4	108
Critical (15%)	103	114	151	389	495	415	108	103	102	9	110	69

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-22-11. Yolo Bypass, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	74	425	13,029	34,322	44,019	23,884	6,581	314	66	47	181	168
20%	59	105	2,852	12,944	17,808	7,921	3,162	75	66	47	54	82
30%	57	40	955	4,016	7,657	3,425	532	70	66	47	54	57
40%	50	9	313	1,888	5,306	1,737	196	67	66	47	54	57
50%	47	8	155	552	2,361	940	133	65	66	47	54	57
60%	40	5	36	315	700	359	110	62	65	47	54	57
70%	34	1	5	115	234	115	86	60	64	47	54	56
80%	17	0	0	50	58	47	73	56	63	47	54	54
90%	8	0	0	4	1	6	53	50	61	47	53	50
Long Term												
Full Simulation Period[a]	144	432	3,669	9,989	12,908	8,508	2,428	267	120	47	102	81
Water Year Types[b]												
Wet (32%)	305	1,196	9,767	26,963	31,634	21,628	6,490	640	240	47	149	76
Above Normal (15%)	37	132	1,663	7,560	13,234	9,041	1,400	183	65	47	96	68
Below Normal (17%)	52	29	1,408	1,007	3,018	715	488	64	64	47	116	88
Dry (22%)	125	120	353	536	1,703	749	306	76	65	47	61	74
Critical (15%)	39	15	78	299	352	279	104	65	63	47	54	109

Alternative 7 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	98	475	12,200	33,507	56,209	27,464	8,567	82	68	48	288	266
20%	63	149	6,786	17,732	26,475	13,013	5,726	77	68	48	55	138
30%	61	61	1,935	9,372	13,345	9,112	2,244	72	68	48	55	60
40%	54	36	728	5,260	10,012	5,786	406	69	68	48	55	59
50%	49	23	413	2,247	5,665	3,061	172	67	67	48	55	59
60%	43	10	148	946	2,849	1,406	126	64	67	48	55	59
70%	37	7	42	376	812	587	111	62	66	48	55	58
80%	19	5	6	55	247	205	86	58	64	48	55	56
90%	9	0	0	6	50	48	73	53	62	48	54	53
Long Term												
Full Simulation Period[a]	90	334	4,859	13,876	17,588	11,660	3,167	139	81	49	107	108
Water Year Types[b]												
Wet (32%)	126	916	12,697	36,039	41,779	27,688	8,040	233	114	48	147	162
Above Normal (15%)	47	113	2,828	11,091	18,152	13,749	2,551	183	66	48	95	65
Below Normal (17%)	54	44	1,545	2,875	5,496	2,073	813	67	66	48	106	85
Dry (22%)	125	71	619	1,095	2,820	1,908	404	77	67	48	59	68
Critical (15%)	46	29	132	646	872	657	113	68	64	56	106	123

Alternative 7 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	24	50	**-829**	**-816**	12,191	3,580	1,986	**-233**	2	1	107	99
20%	4	44	3,933	4,789	8,668	5,092	2,563	2	2	1	1	57
30%	4	22	979	5,357	5,688	5,688	1,712	2	2	1	1	2
40%	4	27	415	3,372	4,706	4,049	211	2	2	1	1	2
50%	2	15	258	1,695	3,304	2,121	39	2	2	1	1	2
60%	3	5	112	632	2,149	1,048	17	2	2	1	1	2
70%	3	6	37	262	579	472	25	3	2	1	1	2
80%	2	5	6	5	189	157	13	2	2	1	1	2
90%	1	0	0	3	49	42	20	3	2	1	1	3
Long Term												
Full Simulation Period[a]	**-54**	**-98**	1,189	3,887	4,680	3,152	738	**-128**	**-39**	2	5	27
Water Year Types[b]												
Wet (32%)	**-180**	**-280**	2,930	9,076	10,145	6,060	1,549	**-407**	**-126**	1	**-2**	86
Above Normal (15%)	10	**-19**	1,165	3,530	4,917	4,708	1,151	**0**	2	1	**-1**	**-3**
Below Normal (17%)	2	15	138	1,868	2,477	1,359	326	3	2	1	**-10**	**-3**
Dry (22%)	**0**	**-49**	267	560	1,117	1,159	98	1	2	1	**-2**	**-7**
Critical (15%)	7	14	54	347	520	377	9	3	2	9	52	14

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-22-12. Yolo Bypass, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	74	425	13,029	34,322	44,019	23,884	6,581	314	66	47	181	168
20%	59	105	2,852	12,944	17,808	7,921	3,162	75	66	47	54	82
30%	57	40	955	4,016	7,657	3,425	532	70	66	47	54	57
40%	50	9	313	1,888	5,306	1,737	196	67	66	47	54	57
50%	47	8	155	552	2,361	940	133	65	66	47	54	57
60%	40	5	36	315	700	359	110	62	65	47	54	57
70%	34	1	5	115	234	115	86	60	64	47	54	56
80%	17	0	0	50	58	47	73	56	63	47	54	54
90%	8	0	0	4	1	6	53	50	61	47	53	50
Long Term												
Full Simulation Period[a]	144	432	3,669	9,989	12,908	8,508	2,428	267	120	47	102	81
Water Year Types[b]												
Wet (32%)	305	1,196	9,767	26,963	31,634	21,628	6,490	640	240	47	149	76
Above Normal (15%)	37	132	1,663	7,560	13,234	9,041	1,400	183	65	47	96	68
Below Normal (17%)	52	29	1,408	1,007	3,018	715	488	64	64	47	116	88
Dry (22%)	125	120	353	536	1,703	749	306	76	65	47	61	74
Critical (15%)	39	15	78	299	352	279	104	65	63	47	54	109

Alternative 8 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	76	475	11,757	44,983	55,416	27,671	9,904	289	632	678	536	161
20%	63	149	6,240	19,636	25,014	12,897	6,207	78	336	255	211	69
30%	60	51	1,914	10,688	14,167	10,655	3,856	73	68	48	55	59
40%	54	36	646	5,747	10,750	6,381	2,279	70	68	48	55	59
50%	49	23	353	3,278	6,893	4,911	883	67	68	48	55	59
60%	43	10	147	1,591	4,079	3,063	535	64	68	48	55	59
70%	38	7	42	445	1,740	1,514	270	63	67	48	55	58
80%	23	5	9	115	420	451	150	59	66	48	55	55
90%	11	0	0	6	79	85	110	53	63	48	55	52
Long Term												
Full Simulation Period[a]	88	284	4,778	14,874	17,577	12,241	3,995	178	192	175	156	89
Water Year Types[b]												
Wet (32%)	124	759	12,772	38,226	40,842	27,901	8,857	298	114	48	189	95
Above Normal (15%)	40	108	1,935	12,032	17,986	13,715	4,078	222	102	106	211	65
Below Normal (17%)	55	44	1,731	3,461	5,971	3,411	2,083	122	108	357	263	85
Dry (22%)	125	71	597	1,320	3,820	3,274	955	77	401	181	57	76
Critical (15%)	41	29	125	763	936	590	169	87	233	298	54	124

Alternative 8 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2	50	**-1,272**	10,661	11,398	3,788	3,323	**-25**	565	631	355	**-6**
20%	4	44	3,388	6,692	7,206	4,976	3,044	3	269	208	157	**-12**
30%	4	11	959	6,672	6,510	7,231	3,324	3	2	1	1	2
40%	4	26	333	3,859	5,444	4,644	2,083	2	2	1	1	2
50%	2	15	197	2,726	4,532	3,971	750	2	2	1	1	2
60%	3	5	111	1,277	3,379	2,704	425	2	3	1	1	2
70%	4	6	37	330	1,507	1,399	184	3	3	1	1	2
80%	5	5	9	65	362	404	77	3	3	1	1	2
90%	3	0	0	3	78	80	57	3	2	1	1	2
Long Term												
Full Simulation Period[a]	**-56**	**-148**	1,109	4,885	4,669	3,733	1,567	**-89**	72	128	54	8
Water Year Types[b]												
Wet (32%)	**-182**	**-436**	3,005	11,263	9,207	6,273	2,366	**-342**	**-126**	1	40	20
Above Normal (15%)	4	**-24**	272	4,471	4,751	4,675	2,678	39	37	59	115	**-3**
Below Normal (17%)	3	15	323	2,454	2,952	2,697	1,596	58	44	310	147	**-3**
Dry (22%)	0	**-49**	244	784	2,117	2,525	649	1	336	133	**-4**	2
Critical (15%)	3	14	48	464	584	310	65	22	170	250	1	14

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-22-13. Yolo Bypass, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	74	425	13,029	34,322	44,019	23,884	6,581	314	66	47	181	168
20%	59	105	2,852	12,944	17,808	7,921	3,162	75	66	47	54	82
30%	57	40	955	4,016	7,657	3,425	532	70	66	47	54	57
40%	50	9	313	1,888	5,306	1,737	196	67	66	47	54	57
50%	47	8	155	552	2,361	940	133	65	66	47	54	57
60%	40	5	36	315	700	359	110	62	65	47	54	57
70%	34	1	5	115	234	115	86	60	64	47	54	56
80%	17	0	0	50	58	47	73	56	63	47	54	54
90%	8	0	0	4	1	6	53	50	61	47	53	50
Long Term												
Full Simulation Period[a]	144	432	3,669	9,989	12,908	8,508	2,428	267	120	47	102	81
Water Year Types[b]												
Wet (32%)	305	1,196	9,767	26,963	31,634	21,628	6,490	640	240	47	149	76
Above Normal (15%)	37	132	1,663	7,560	13,234	9,041	1,400	183	65	47	96	68
Below Normal (17%)	52	29	1,408	1,007	3,018	715	488	64	64	47	116	88
Dry (22%)	125	120	353	536	1,703	749	306	76	65	47	61	74
Critical (15%)	39	15	78	299	352	279	104	65	63	47	54	109

Alternative 9 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	164	575	10,940	37,360	55,359	27,022	10,301	182	168	48	163	366
20%	162	245	5,815	16,584	24,435	12,365	6,756	177	168	48	55	248
30%	160	150	1,588	8,180	12,172	8,760	2,203	172	168	48	55	163
40%	154	129	733	4,678	8,130	4,681	506	169	168	48	55	159
50%	146	110	468	1,908	4,897	2,845	263	167	167	48	55	159
60%	140	107	228	970	2,128	1,206	239	164	167	48	55	159
70%	129	105	149	472	692	622	210	162	166	48	55	158
80%	116	100	110	145	240	253	187	158	164	48	55	156
90%	105	100	100	103	122	149	173	153	162	48	54	153
Long Term												
Full Simulation Period[a]	186	427	4,325	13,284	16,579	11,238	3,611	237	181	48	94	211
Water Year Types[b]												
Wet (32%)	224	996	11,010	34,846	40,006	27,026	9,043	328	214	48	136	264
Above Normal (15%)	138	215	2,294	9,928	16,168	12,628	2,888	283	166	48	87	165
Below Normal (17%)	142	137	1,863	2,616	4,750	1,857	1,073	167	166	48	99	185
Dry (22%)	222	171	668	1,073	2,725	1,833	487	177	167	48	60	171
Critical (15%)	145	127	227	687	816	695	214	168	164	48	57	234

Alternative 9 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	90	150	**-2,090**	3,037	11,340	3,139	3,720	**-133**	102	1	**-18**	199
20%	103	140	2,962	3,641	6,627	4,445	3,594	102	102	1	1	167
30%	103	110	632	4,164	4,515	5,335	1,671	102	102	1	1	106
40%	103	119	420	2,790	2,824	2,944	311	102	102	1	1	102
50%	98	102	312	1,356	2,536	1,904	130	102	102	1	1	102
60%	100	102	192	655	1,428	847	129	102	102	1	1	102
70%	95	104	144	358	458	507	124	103	102	1	1	102
80%	99	100	110	95	182	206	114	102	102	1	1	102
90%	97	100	100	99	121	143	120	103	102	1	1	103
Long Term												
Full Simulation Period[a]	41	**-5**	656	3,296	3,672	2,730	1,183	**-29**	61	1	**-8**	130
Water Year Types[b]												
Wet (32%)	**-81**	**-199**	1,243	7,883	8,372	5,398	2,553	**-312**	**-26**	1	**-13**	188
Above Normal (15%)	101	83	631	2,367	2,933	3,588	1,488	100	102	1	**-10**	97
Below Normal (17%)	90	108	456	1,609	1,732	1,142	586	103	102	1	**-17**	97
Dry (22%)	97	51	316	538	1,022	1,084	181	101	102	1	**0**	97
Critical (15%)	107	112	150	388	464	415	110	103	102	1	3	125

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-22-14. Yolo Bypass, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	74	475	8,414	36,552	52,985	26,415	7,160	82	68	48	174	266
20%	63	145	2,777	14,445	24,550	9,902	3,203	77	68	48	55	134
30%	60	50	797	4,805	8,687	4,466	635	72	68	48	55	59
40%	54	25	328	2,005	4,990	2,026	229	69	68	48	55	59
50%	49	9	137	482	2,195	802	139	67	67	48	55	59
60%	43	6	60	243	609	229	114	64	67	48	55	59
70%	32	2	20	79	228	90	95	62	66	48	55	58
80%	17	0	0	42	65	45	78	58	64	48	55	56
90%	6	0	0	0	4	7	56	53	62	48	54	52
Long Term												
Full Simulation Period[a]	87	326	3,526	11,835	15,146	9,795	2,596	138	82	49	100	102
Water Year Types[b]												
Wet (32%)	126	876	9,209	32,670	38,424	25,168	6,953	229	118	48	143	110
Above Normal (15%)	38	159	1,772	7,913	14,188	10,281	1,450	183	66	48	95	65
Below Normal (17%)	50	35	1,505	961	2,539	631	563	67	66	48	114	86
Dry (22%)	121	69	343	500	1,821	729	308	77	67	48	62	76
Critical (15%)	44	27	98	306	363	292	107	68	64	55	54	182

Alternative 1A,1B,1C (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	175	575	13,808	42,074	57,276	28,861	10,305	182	168	48	174	252
20%	163	245	5,775	18,243	25,916	12,349	6,877	177	168	48	55	161
30%	160	150	1,942	8,103	12,875	8,667	2,318	172	168	48	55	159
40%	154	120	985	5,054	9,663	4,864	545	169	168	48	55	159
50%	145	109	577	2,306	4,893	2,985	315	167	167	48	55	159
60%	140	105	324	1,280	2,789	1,601	259	164	167	48	55	159
70%	129	101	197	643	690	711	231	162	166	48	55	158
80%	116	100	110	250	338	269	200	158	164	48	55	155
90%	105	100	100	108	152	149	180	153	162	48	54	152
Long Term												
Full Simulation Period[a]	187	461	4,785	13,676	17,391	11,505	3,621	238	181	48	101	178
Water Year Types[b]												
Wet (32%)	225	1,113	12,422	35,972	41,241	27,454	8,994	329	214	48	147	173
Above Normal (15%)	139	202	2,341	9,653	18,362	13,209	2,926	283	166	48	95	165
Below Normal (17%)	141	138	1,830	2,871	5,337	2,175	1,114	167	166	48	114	185
Dry (22%)	229	168	719	1,211	2,733	1,793	545	177	167	48	62	165
Critical (15%)	146	127	228	694	797	693	213	168	164	48	54	213

Alternative 1A,1B,1C (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	101	100	5,394	5,522	4,291	2,445	3,145	100	100	0	0	-14
20%	100	100	2,998	3,799	1,366	2,447	3,674	100	100	0	0	27
30%	99	100	1,145	3,298	4,188	4,201	1,683	100	100	0	0	100
40%	99	95	658	3,049	4,673	2,838	315	100	100	0	0	100
50%	96	100	441	1,824	2,699	2,183	177	100	100	0	0	100
60%	97	99	264	1,037	2,179	1,372	145	100	100	0	0	100
70%	97	100	177	564	462	622	137	100	100	0	0	99
80%	99	100	110	208	273	224	122	100	100	0	0	99
90%	99	100	100	108	148	142	124	100	100	0	0	100
Long Term												
Full Simulation Period[a]	100	135	1,259	1,840	2,246	1,709	1,025	100	99	-1	1	76
Water Year Types[b]												
Wet (32%)	99	238	3,213	3,302	2,818	2,286	2,041	100	96	0	4	63
Above Normal (15%)	101	43	568	1,739	4,174	2,929	1,476	100	100	0	0	100
Below Normal (17%)	91	103	325	1,909	2,798	1,544	550	100	100	0	0	99
Dry (22%)	108	98	377	711	912	1,064	237	100	100	0	0	89
Critical (15%)	102	100	131	389	434	401	106	100	100	-7	0	31

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-22-15. Yolo Bypass, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	74	475	8,414	36,552	52,985	26,415	7,160	82	68	48	174	266
20%	63	145	2,777	14,445	24,550	9,902	3,203	77	68	48	55	134
30%	60	50	797	4,805	8,687	4,466	635	72	68	48	55	59
40%	54	25	328	2,005	4,990	2,026	229	69	68	48	55	59
50%	49	9	137	482	2,195	802	139	67	67	48	55	59
60%	43	6	60	243	609	229	114	64	67	48	55	59
70%	32	2	20	79	228	90	95	62	66	48	55	58
80%	17	0	0	42	65	45	78	58	64	48	55	56
90%	6	0	0	0	4	7	56	53	62	48	54	52
Long Term												
Full Simulation Period[a]	87	326	3,526	11,835	15,146	9,795	2,596	138	82	49	100	102
Water Year Types[b]												
Wet (32%)	126	876	9,209	32,670	38,424	25,168	6,953	229	118	48	143	110
Above Normal (15%)	38	159	1,772	7,913	14,188	10,281	1,450	183	66	48	95	65
Below Normal (17%)	50	35	1,505	961	2,539	631	563	67	66	48	114	86
Dry (22%)	121	69	343	500	1,821	729	308	77	67	48	62	76
Critical (15%)	44	27	98	306	363	292	107	68	64	55	54	182

Alternative 2A,2B,2C (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	192	575	11,022	34,663	54,845	27,465	10,308	182	168	48	174	295
20%	163	245	5,775	16,617	26,776	12,368	6,749	177	168	48	55	210
30%	160	150	1,894	8,105	12,339	8,651	2,243	172	168	48	55	159
40%	154	125	881	4,697	9,238	4,898	532	169	168	48	55	159
50%	145	109	540	2,014	4,896	2,812	275	167	167	48	55	159
60%	141	107	293	1,052	2,340	1,347	234	164	167	48	55	159
70%	132	102	154	473	691	635	211	162	166	48	55	158
80%	117	100	103	230	347	228	187	158	164	48	55	156
90%	105	100	100	115	142	149	173	153	162	48	54	152
Long Term												
Full Simulation Period[a]	188	414	4,461	12,838	16,959	11,341	3,632	238	181	48	100	201
Water Year Types[b]												
Wet (32%)	225	964	11,376	33,649	40,767	27,149	9,063	328	214	48	144	261
Above Normal (15%)	141	204	2,359	9,433	17,190	13,062	2,902	283	166	48	95	165
Below Normal (17%)	142	137	1,922	2,595	4,667	1,838	1,096	167	166	48	114	185
Dry (22%)	231	169	669	1,104	2,735	1,846	523	177	167	48	62	165
Critical (15%)	146	127	228	703	823	696	212	168	164	48	54	178

Alternative 2A,2B,2C (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	117	100	2,607	-1,890	1,861	1,050	3,147	100	100	0	0	28
20%	100	100	2,998	2,173	2,226	2,466	3,546	100	100	0	0	77
30%	99	100	1,097	3,300	3,652	4,185	1,608	100	100	0	0	100
40%	99	100	554	2,692	4,248	2,872	302	100	100	0	0	100
50%	96	100	403	1,532	2,701	2,010	136	100	100	0	0	100
60%	98	100	234	809	1,731	1,118	119	100	100	0	0	100
70%	100	100	133	394	464	546	117	100	100	0	0	100
80%	100	100	103	189	281	183	109	100	100	0	0	100
90%	99	100	100	115	138	142	117	100	100	0	0	100
Long Term												
Full Simulation Period[a]	101	88	935	1,003	1,814	1,546	1,035	100	99	-1	0	99
Water Year Types[b]												
Wet (32%)	99	88	2,167	980	2,344	1,981	2,110	99	96	0	1	151
Above Normal (15%)	103	45	587	1,520	3,002	2,782	1,452	100	100	0	0	100
Below Normal (17%)	92	102	418	1,634	2,128	1,207	532	100	100	0	0	99
Dry (22%)	110	100	326	604	914	1,117	215	100	100	0	0	89
Critical (15%)	102	100	130	398	460	404	106	100	100	-7	0	-4

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-22-16. Yolo Bypass, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	74	475	8,414	36,552	52,985	26,415	7,160	82	68	48	174	266
20%	63	145	2,777	14,445	24,550	9,902	3,203	77	68	48	55	134
30%	60	50	797	4,805	8,687	4,466	635	72	68	48	55	59
40%	54	25	328	2,005	4,990	2,026	229	69	68	48	55	59
50%	49	9	137	482	2,195	802	139	67	67	48	55	59
60%	43	6	60	243	609	229	114	64	67	48	55	59
70%	32	2	20	79	228	90	95	62	66	48	55	58
80%	17	0	0	42	65	45	78	58	64	48	55	56
90%	6	0	0	0	4	7	56	53	62	48	54	52
Long Term												
Full Simulation Period[a]	87	326	3,526	11,835	15,146	9,795	2,596	138	82	49	100	102
Water Year Types[b]												
Wet (32%)	126	876	9,209	32,670	38,424	25,168	6,953	229	118	48	143	110
Above Normal (15%)	38	159	1,772	7,913	14,188	10,281	1,450	183	66	48	95	65
Below Normal (17%)	50	35	1,505	961	2,539	631	563	67	66	48	114	86
Dry (22%)	121	69	343	500	1,821	729	308	77	67	48	62	76
Critical (15%)	44	27	98	306	363	292	107	68	64	55	54	182

Alternative 3 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	188	575	14,528	41,650	57,275	28,858	10,306	182	168	48	170	252
20%	163	245	6,115	19,257	25,913	12,349	6,880	177	168	48	55	161
30%	160	150	1,927	8,253	12,492	8,613	2,319	172	168	48	55	159
40%	154	120	911	5,098	9,573	4,940	506	169	168	48	55	159
50%	147	109	576	2,280	4,890	2,948	302	167	167	48	55	159
60%	140	105	392	1,410	2,714	1,609	243	164	167	48	55	159
70%	129	101	197	563	969	708	219	162	166	48	55	158
80%	116	100	106	239	340	269	196	158	164	48	55	155
90%	105	100	100	107	137	150	173	153	162	48	54	152
Long Term												
Full Simulation Period[a]	188	462	4,808	13,710	17,444	11,499	3,621	239	181	48	101	178
Water Year Types[b]												
Wet (32%)	224	1,117	12,440	36,019	41,527	27,506	9,024	332	214	48	147	173
Above Normal (15%)	139	202	2,414	9,756	17,988	13,003	2,919	283	166	48	95	165
Below Normal (17%)	141	138	1,814	2,855	5,265	2,190	1,097	167	166	48	114	185
Dry (22%)	230	168	758	1,239	2,862	1,815	518	177	167	48	61	165
Critical (15%)	150	127	229	698	802	700	212	168	164	48	54	213

Alternative 3 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	114	100	6,113	5,098	4,290	2,443	3,145	100	100	0	-4	-14
20%	100	100	3,338	4,813	1,363	2,447	3,677	100	100	0	0	27
30%	100	100	1,130	3,448	3,805	4,147	1,684	100	100	0	0	100
40%	100	95	583	3,093	4,583	2,914	277	100	100	0	0	100
50%	98	100	439	1,798	2,695	2,147	163	100	100	0	0	100
60%	97	99	332	1,166	2,105	1,380	128	100	100	0	0	100
70%	97	100	177	484	742	619	124	100	100	0	0	99
80%	99	100	106	198	274	224	118	100	100	0	0	99
90%	99	100	100	107	133	143	117	100	100	0	0	100
Long Term												
Full Simulation Period[a]	101	136	1,282	1,874	2,298	1,704	1,024	101	99	-1	1	76
Water Year Types[b]												
Wet (32%)	98	241	3,231	3,349	3,103	2,338	2,071	103	96	0	4	63
Above Normal (15%)	101	43	642	1,842	3,800	2,722	1,469	100	100	0	0	100
Below Normal (17%)	91	103	309	1,894	2,727	1,559	534	100	100	0	0	99
Dry (22%)	109	98	416	739	1,041	1,086	210	100	100	0	0	89
Critical (15%)	106	100	132	392	438	407	106	100	100	-7	0	31

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-22-17. Yolo Bypass, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	74	475	8,414	36,552	52,985	26,415	7,160	82	68	48	174	266
20%	63	145	2,777	14,445	24,550	9,902	3,203	77	68	48	55	134
30%	60	50	797	4,805	8,687	4,466	635	72	68	48	55	59
40%	54	25	328	2,005	4,990	2,026	229	69	68	48	55	59
50%	49	9	137	482	2,195	802	139	67	67	48	55	59
60%	43	6	60	243	609	229	114	64	67	48	55	59
70%	32	2	20	79	228	90	95	62	66	48	55	58
80%	17	0	0	42	65	45	78	58	64	48	55	56
90%	6	0	0	0	4	7	56	53	62	48	54	52
Long Term												
Full Simulation Period[a]	87	326	3,526	11,835	15,146	9,795	2,596	138	82	49	100	102
Water Year Types[b]												
Wet (32%)	126	876	9,209	32,670	38,424	25,168	6,953	229	118	48	143	110
Above Normal (15%)	38	159	1,772	7,913	14,188	10,281	1,450	183	66	48	95	65
Below Normal (17%)	50	35	1,505	961	2,539	631	563	67	66	48	114	86
Dry (22%)	121	69	343	500	1,821	729	308	77	67	48	62	76
Critical (15%)	44	27	98	306	363	292	107	68	64	55	54	182

Alternative 4 H1 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	164	575	13,696	42,152	56,466	28,871	10,532	182	168	48	164	227
20%	163	245	5,808	20,215	25,929	12,365	6,883	177	168	48	55	159
30%	160	151	1,784	8,208	12,606	8,912	2,108	172	168	48	55	159
40%	154	127	771	5,142	10,023	5,194	619	169	168	48	55	159
50%	145	109	523	2,410	4,898	2,955	287	167	167	48	55	159
60%	140	107	344	1,257	3,118	1,531	234	164	167	48	55	159
70%	129	102	158	563	830	698	212	162	166	48	55	158
80%	116	100	110	206	334	228	187	158	164	48	55	155
90%	105	100	100	127	129	149	169	153	162	48	54	152
Long Term												
Full Simulation Period[a]	188	494	4,776	13,873	17,381	11,493	3,642	237	181	48	100	171
Water Year Types[b]												
Wet (32%)	228	1,215	12,304	36,226	41,250	27,374	9,093	328	214	48	147	173
Above Normal (15%)	139	204	2,390	10,537	18,263	13,315	2,921	283	166	48	95	165
Below Normal (17%)	141	138	1,988	2,832	5,364	2,151	1,095	167	166	48	106	185
Dry (22%)	230	169	689	1,133	2,724	1,802	518	177	167	48	61	165
Critical (15%)	142	127	233	768	792	694	212	168	164	48	54	167

Alternative 4 H1 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	90	100	5,282	5,600	3,481	2,456	3,371	100	100	0	-10	-40
20%	100	100	3,032	5,770	1,379	2,463	3,680	100	100	0	0	26
30%	99	101	987	3,403	3,919	4,446	1,473	100	100	0	0	100
40%	99	102	444	3,137	5,033	3,168	390	100	100	0	0	100
50%	96	100	387	1,928	2,703	2,153	148	100	100	0	0	100
60%	97	100	285	1,014	2,509	1,302	119	100	100	0	0	100
70%	97	100	137	484	602	609	117	100	100	0	0	99
80%	99	100	110	164	269	183	109	100	100	0	0	99
90%	99	100	100	127	125	142	113	100	100	0	0	100
Long Term												
Full Simulation Period[a]	101	168	1,250	2,038	2,236	1,697	1,046	100	99	-1	0	69
Water Year Types[b]												
Wet (32%)	102	339	3,095	3,556	2,826	2,206	2,140	99	96	0	4	63
Above Normal (15%)	101	45	617	2,624	4,075	3,035	1,471	100	100	0	0	100
Below Normal (17%)	91	103	484	1,871	2,825	1,520	531	100	100	0	-7	99
Dry (22%)	109	100	346	633	903	1,073	210	100	100	0	-1	89
Critical (15%)	98	100	136	463	429	402	106	100	100	-7	0	-15

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-22-18. Yolo Bypass, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	74	475	8,414	36,552	52,985	26,415	7,160	82	68	48	174	266
20%	63	145	2,777	14,445	24,550	9,902	3,203	77	68	48	55	134
30%	60	50	797	4,805	8,687	4,466	635	72	68	48	55	59
40%	54	25	328	2,005	4,990	2,026	229	69	68	48	55	59
50%	49	9	137	482	2,195	802	139	67	67	48	55	59
60%	43	6	60	243	609	229	114	64	67	48	55	59
70%	32	2	20	79	228	90	95	62	66	48	55	58
80%	17	0	0	42	65	45	78	58	64	48	55	56
90%	6	0	0	0	4	7	56	53	62	48	54	52
Long Term												
Full Simulation Period[a]	87	326	3,526	11,835	15,146	9,795	2,596	138	82	49	100	102
Water Year Types[b]												
Wet (32%)	126	876	9,209	32,670	38,424	25,168	6,953	229	118	48	143	110
Above Normal (15%)	38	159	1,772	7,913	14,188	10,281	1,450	183	66	48	95	65
Below Normal (17%)	50	35	1,505	961	2,539	631	563	67	66	48	114	86
Dry (22%)	121	69	343	500	1,821	729	308	77	67	48	62	76
Critical (15%)	44	27	98	306	363	292	107	68	64	55	54	182

Alternative 4 H2 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	164	575	15,313	47,179	57,091	28,885	10,461	182	168	48	167	227
20%	162	245	5,885	16,872	23,043	12,366	6,564	177	168	48	55	159
30%	160	146	2,392	8,116	12,852	8,709	4,069	172	168	48	55	159
40%	154	117	749	5,142	9,672	4,874	2,757	169	168	48	55	159
50%	146	109	508	2,941	4,891	3,387	1,636	167	167	48	55	159
60%	141	105	258	1,074	2,776	1,599	336	164	167	48	55	159
70%	136	101	142	612	712	640	239	162	166	48	55	158
80%	118	100	102	190	334	229	212	158	164	48	55	155
90%	109	100	100	128	124	148	178	153	162	48	54	152
Long Term												
Full Simulation Period[a]	187	474	5,015	13,782	17,448	11,530	4,161	238	181	48	100	171
Water Year Types[b]												
Wet (32%)	225	1,157	13,264	36,001	41,195	27,399	9,735	329	214	48	147	173
Above Normal (15%)	139	205	2,020	10,299	18,706	13,285	3,841	283	166	48	95	165
Below Normal (17%)	149	134	1,918	2,937	5,470	2,273	1,924	167	166	48	106	185
Dry (22%)	222	169	697	1,158	2,725	1,849	694	177	167	48	61	165
Critical (15%)	141	119	230	711	796	710	213	168	164	48	54	167

Alternative 4 H2 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	90	100	6,899	10,627	4,106	2,470	3,301	100	100	0	-7	-40
20%	100	100	3,109	2,428	-1,507	2,464	3,361	100	100	0	0	26
30%	100	95	1,595	3,311	4,165	4,243	3,434	100	100	0	0	100
40%	99	92	422	3,137	4,682	2,848	2,528	100	100	0	0	100
50%	96	100	372	2,459	2,696	2,585	1,498	100	100	0	0	100
60%	98	99	198	831	2,167	1,370	221	100	100	0	0	100
70%	104	100	122	533	484	550	144	100	100	0	0	99
80%	101	100	102	148	269	184	134	100	100	0	0	99
90%	103	100	100	128	121	141	123	100	100	0	0	100
Long Term												
Full Simulation Period[a]	99	148	1,490	1,946	2,302	1,735	1,564	100	99	-1	0	69
Water Year Types[b]												
Wet (32%)	99	281	4,055	3,331	2,771	2,232	2,782	100	96	0	4	63
Above Normal (15%)	101	46	248	2,385	4,518	3,004	2,391	100	100	0	0	100
Below Normal (17%)	99	99	413	1,976	2,932	1,642	1,361	100	100	0	-7	99
Dry (22%)	101	100	354	658	904	1,120	386	100	100	0	0	89
Critical (15%)	98	92	132	405	433	418	106	100	100	-7	0	-15

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-22-19. Yolo Bypass, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	74	475	8,414	36,552	52,985	26,415	7,160	82	68	48	174	266
20%	63	145	2,777	14,445	24,550	9,902	3,203	77	68	48	55	134
30%	60	50	797	4,805	8,687	4,466	635	72	68	48	55	59
40%	54	25	328	2,005	4,990	2,026	229	69	68	48	55	59
50%	49	9	137	482	2,195	802	139	67	67	48	55	59
60%	43	6	60	243	609	229	114	64	67	48	55	59
70%	32	2	20	79	228	90	95	62	66	48	55	58
80%	17	0	0	42	65	45	78	58	64	48	55	56
90%	6	0	0	0	4	7	56	53	62	48	54	52
Long Term												
Full Simulation Period[a]	87	326	3,526	11,835	15,146	9,795	2,596	138	82	49	100	102
Water Year Types[b]												
Wet (32%)	126	876	9,209	32,670	38,424	25,168	6,953	229	118	48	143	110
Above Normal (15%)	38	159	1,772	7,913	14,188	10,281	1,450	183	66	48	95	65
Below Normal (17%)	50	35	1,505	961	2,539	631	563	67	66	48	114	86
Dry (22%)	121	69	343	500	1,821	729	308	77	67	48	62	76
Critical (15%)	44	27	98	306	363	292	107	68	64	55	54	182

Alternative 4 H3 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	175	575	11,262	34,729	56,253	27,482	10,302	182	168	48	174	303
20%	163	245	5,841	16,575	26,256	12,367	6,880	177	168	48	55	210
30%	160	150	1,846	8,098	12,242	8,230	2,244	172	168	48	55	159
40%	154	127	757	4,696	9,109	4,728	620	169	168	48	55	159
50%	145	109	483	2,005	4,898	2,818	276	167	167	48	55	159
60%	141	107	251	1,018	2,360	1,328	234	164	167	48	55	159
70%	129	102	156	550	703	651	211	162	166	48	55	158
80%	117	100	106	203	330	228	187	158	164	48	55	156
90%	105	100	100	106	128	149	170	153	162	48	54	152
Long Term												
Full Simulation Period[a]	189	412	4,431	12,799	17,034	11,289	3,633	237	181	48	101	201
Water Year Types[b]												
Wet (32%)	228	954	11,336	33,499	41,072	27,087	9,062	328	214	48	147	261
Above Normal (15%)	141	204	2,249	9,471	17,074	12,942	2,911	283	166	48	95	165
Below Normal (17%)	141	138	1,911	2,589	4,650	1,798	1,107	167	166	48	114	185
Dry (22%)	232	169	668	1,077	2,729	1,813	518	177	167	48	62	165
Critical (15%)	142	127	234	767	820	694	212	168	164	48	54	181

Alternative 4 H3 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	101	100	2,848	**-1,824**	3,268	1,067	3,142	100	100	0	0	36
20%	100	100	3,064	2,131	1,706	2,465	3,677	100	100	0	0	77
30%	99	100	1,049	3,293	3,555	3,763	1,609	100	100	0	0	100
40%	99	102	430	2,691	4,119	2,703	391	100	100	0	0	100
50%	96	100	346	1,523	2,703	2,016	138	100	100	0	0	100
60%	98	100	192	774	1,751	1,099	119	100	100	0	0	100
70%	97	100	135	471	475	561	117	100	100	0	0	100
80%	100	100	106	161	264	183	109	100	100	0	0	100
90%	99	100	100	106	124	142	114	100	100	0	0	100
Long Term												
Full Simulation Period[a]	102	86	905	963	1,889	1,494	1,037	100	99	**-1**	1	99
Water Year Types[b]												
Wet (32%)	102	78	2,127	830	2,649	1,919	2,108	99	96	**0**	4	151
Above Normal (15%)	103	45	477	1,558	2,886	2,661	1,461	100	100	0	0	100
Below Normal (17%)	91	103	406	1,628	2,111	1,167	543	100	100	0	0	99
Dry (22%)	111	100	326	577	908	1,083	210	100	100	0	0	89
Critical (15%)	98	100	136	462	457	402	106	100	100	**-7**	0	**-1**

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-22-20. Yolo Bypass, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	74	475	8,414	36,552	52,985	26,415	7,160	82	68	48	174	266
20%	63	145	2,777	14,445	24,550	9,902	3,203	77	68	48	55	134
30%	60	50	797	4,805	8,687	4,466	635	72	68	48	55	59
40%	54	25	328	2,005	4,990	2,026	229	69	68	48	55	59
50%	49	9	137	482	2,195	802	139	67	67	48	55	59
60%	43	6	60	243	609	229	114	64	67	48	55	59
70%	32	2	20	79	228	90	95	62	66	48	55	58
80%	17	0	0	42	65	45	78	58	64	48	55	56
90%	6	0	0	0	4	7	56	53	62	48	54	52
Long Term												
Full Simulation Period[a]	87	326	3,526	11,835	15,146	9,795	2,596	138	82	49	100	102
Water Year Types[b]												
Wet (32%)	126	876	9,209	32,670	38,424	25,168	6,953	229	118	48	143	110
Above Normal (15%)	38	159	1,772	7,913	14,188	10,281	1,450	183	66	48	95	65
Below Normal (17%)	50	35	1,505	961	2,539	631	563	67	66	48	114	86
Dry (22%)	121	69	343	500	1,821	729	308	77	67	48	62	76
Critical (15%)	44	27	98	306	363	292	107	68	64	55	54	182

Alternative 4 H4 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	175	575	12,166	41,101	56,075	28,990	10,307	182	168	48	174	303
20%	162	245	5,849	16,620	23,160	12,367	6,705	177	168	48	55	213
30%	160	150	1,971	8,207	12,317	8,476	4,128	172	168	48	55	159
40%	154	117	876	4,700	9,158	4,682	2,758	169	168	48	55	159
50%	146	109	508	2,083	4,900	2,961	1,792	167	167	48	55	159
60%	142	105	230	1,016	2,445	1,344	330	164	167	48	55	159
70%	136	101	145	473	690	569	239	162	166	48	55	158
80%	118	100	102	144	276	228	211	158	164	48	55	156
90%	109	100	100	106	122	149	178	153	162	48	54	152
Long Term												
Full Simulation Period[a]	187	415	4,565	13,358	16,938	11,398	4,161	238	181	48	101	205
Water Year Types[b]												
Wet (32%)	225	966	11,882	35,046	40,379	27,368	9,703	329	214	48	147	263
Above Normal (15%)	141	206	2,034	9,867	17,535	12,930	3,929	283	166	48	95	198
Below Normal (17%)	147	133	1,863	2,718	4,974	1,901	1,911	167	166	48	114	185
Dry (22%)	225	169	675	1,071	2,728	1,830	692	177	167	48	62	165
Critical (15%)	141	127	229	703	825	697	213	168	164	48	54	167

Alternative 4 H4 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	101	100	3,752	4,549	3,090	2,574	3,147	100	100	0	0	36
20%	100	100	3,072	2,175	**-1,390**	2,465	3,502	100	100	0	0	79
30%	99	100	1,174	3,402	3,630	4,010	3,493	100	100	0	0	100
40%	99	92	549	2,695	4,168	2,656	2,528	100	100	0	0	100
50%	96	100	371	1,600	2,706	2,159	1,653	100	100	0	0	100
60%	100	99	170	773	1,835	1,115	215	100	100	0	0	100
70%	104	99	125	394	462	480	144	100	100	0	0	100
80%	101	100	102	102	211	183	133	100	100	0	0	100
90%	103	100	100	106	119	142	123	100	100	0	0	100
Long Term												
Full Simulation Period[a]	100	89	1,039	1,523	1,792	1,603	1,565	100	99	**-1**	1	102
Water Year Types[b]												
Wet (32%)	99	90	2,673	2,377	1,955	2,200	2,750	100	96	0	4	153
Above Normal (15%)	103	47	262	1,954	3,346	2,649	2,479	100	100	0	0	133
Below Normal (17%)	98	99	359	1,757	2,435	1,270	1,348	100	100	0	0	99
Dry (22%)	104	100	333	571	907	1,101	384	100	100	0	0	89
Critical (15%)	98	100	131	397	462	404	106	100	100	**-7**	0	**-15**

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-22-21. Yolo Bypass, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	74	475	8,414	36,552	52,985	26,415	7,160	82	68	48	174	266
20%	63	145	2,777	14,445	24,550	9,902	3,203	77	68	48	55	134
30%	60	50	797	4,805	8,687	4,466	635	72	68	48	55	59
40%	54	25	328	2,005	4,990	2,026	229	69	68	48	55	59
50%	49	9	137	482	2,195	802	139	67	67	48	55	59
60%	43	6	60	243	609	229	114	64	67	48	55	59
70%	32	2	20	79	228	90	95	62	66	48	55	58
80%	17	0	0	42	65	45	78	58	64	48	55	56
90%	6	0	0	0	4	7	56	53	62	48	54	52
Long Term												
Full Simulation Period[a]	87	326	3,526	11,835	15,146	9,795	2,596	138	82	49	100	102
Water Year Types[b]												
Wet (32%)	126	876	9,209	32,670	38,424	25,168	6,953	229	118	48	143	110
Above Normal (15%)	38	159	1,772	7,913	14,188	10,281	1,450	183	66	48	95	65
Below Normal (17%)	50	35	1,505	961	2,539	631	563	67	66	48	114	86
Dry (22%)	121	69	343	500	1,821	729	308	77	67	48	62	76
Critical (15%)	44	27	98	306	363	292	107	68	64	55	54	182

Alternative 5 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	183	575	11,396	33,063	56,240	28,967	10,301	182	168	48	162	362
20%	163	245	5,857	16,596	27,010	12,365	6,881	177	168	48	55	225
30%	161	150	1,907	8,207	12,336	8,970	2,248	172	168	48	55	159
40%	154	120	775	4,692	8,008	4,754	506	169	168	48	55	159
50%	149	109	483	1,909	4,895	2,942	275	167	167	48	55	159
60%	141	106	264	1,009	2,258	1,236	239	164	167	48	55	159
70%	129	101	158	471	691	626	211	162	166	48	55	158
80%	116	100	110	186	332	228	189	158	164	48	55	156
90%	105	100	100	115	139	149	173	153	162	48	54	152
Long Term												
Full Simulation Period[a]	188	408	4,397	12,975	16,912	11,406	3,623	237	181	48	100	207
Water Year Types[b]												
Wet (32%)	225	944	11,508	34,102	41,053	27,262	9,059	328	214	48	147	261
Above Normal (15%)	139	202	2,060	9,399	16,733	13,335	2,906	283	166	48	95	165
Below Normal (17%)	145	138	1,548	2,608	4,257	1,833	1,082	167	166	48	106	185
Dry (22%)	230	168	677	1,085	2,730	1,800	497	177	167	48	60	165
Critical (15%)	145	127	229	704	823	695	216	168	164	48	54	222

Alternative 5 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	108	100	2,982	-3,489	3,255	2,551	3,141	100	100	0	-12	95
20%	100	100	3,080	2,151	2,460	2,463	3,678	100	100	0	0	92
30%	100	100	1,110	3,402	3,649	4,504	1,613	100	100	0	0	100
40%	100	95	448	2,687	3,018	2,728	277	100	100	0	0	100
50%	100	100	346	1,427	2,700	2,141	136	100	100	0	0	100
60%	98	99	204	766	1,649	1,006	124	100	100	0	0	100
70%	97	100	138	393	463	536	117	100	100	0	0	100
80%	99	100	110	145	267	183	110	100	100	0	0	100
90%	99	100	100	115	136	142	117	100	100	0	0	100
Long Term												
Full Simulation Period[a]	101	82	871	1,140	1,766	1,610	1,027	100	99	-1	0	105
Water Year Types[b]												
Wet (32%)	99	68	2,300	1,433	2,629	2,094	2,106	99	96	0	4	151
Above Normal (15%)	101	43	288	1,486	2,545	3,055	1,456	100	100	0	0	100
Below Normal (17%)	95	103	43	1,647	1,718	1,202	519	100	100	0	-7	99
Dry (22%)	109	98	334	585	909	1,071	189	100	100	0	-2	89
Critical (15%)	101	100	132	399	460	403	110	100	100	-7	0	40

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-22-22. Yolo Bypass, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	74	475	8,414	36,552	52,985	26,415	7,160	82	68	48	174	266
20%	63	145	2,777	14,445	24,550	9,902	3,203	77	68	48	55	134
30%	60	50	797	4,805	8,687	4,466	635	72	68	48	55	59
40%	54	25	328	2,005	4,990	2,026	229	69	68	48	55	59
50%	49	9	137	482	2,195	802	139	67	67	48	55	59
60%	43	6	60	243	609	229	114	64	67	48	55	59
70%	32	2	20	79	228	90	95	62	66	48	55	58
80%	17	0	0	42	65	45	78	58	64	48	55	56
90%	6	0	0	0	4	7	56	53	62	48	54	52
Long Term												
Full Simulation Period[a]	87	326	3,526	11,835	15,146	9,795	2,596	138	82	49	100	102
Water Year Types[b]												
Wet (32%)	126	876	9,209	32,670	38,424	25,168	6,953	229	118	48	143	110
Above Normal (15%)	38	159	1,772	7,913	14,188	10,281	1,450	183	66	48	95	65
Below Normal (17%)	50	35	1,505	961	2,539	631	563	67	66	48	114	86
Dry (22%)	121	69	343	500	1,821	729	308	77	67	48	62	76
Critical (15%)	44	27	98	306	363	292	107	68	64	55	54	182

Alternative 6A,6B,6C (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	164	575	12,988	35,013	55,118	27,843	10,558	182	168	48	379	338
20%	162	249	6,294	18,301	25,986	12,368	6,870	177	168	48	55	185
30%	159	161	2,298	8,631	12,668	8,999	2,244	172	168	48	55	159
40%	153	136	749	4,706	9,408	4,934	506	169	168	48	55	159
50%	146	123	466	2,082	5,040	2,808	267	167	167	48	55	159
60%	142	110	231	975	2,704	1,547	232	164	167	48	55	159
70%	136	107	142	472	573	658	211	162	166	48	55	158
80%	118	103	109	146	289	224	187	158	164	48	55	156
90%	106	100	100	102	129	148	173	153	162	48	54	152
Long Term												
Full Simulation Period[a]	192	427	4,883	14,094	17,243	11,517	3,645	239	181	49	116	192
Water Year Types[b]												
Wet (32%)	244	993	12,855	36,918	41,066	27,432	9,141	333	214	48	147	210
Above Normal (15%)	134	218	2,429	10,844	17,957	13,598	2,908	283	166	48	95	165
Below Normal (17%)	147	144	1,585	2,606	5,082	1,864	1,070	167	166	48	114	209
Dry (22%)	225	169	672	1,166	2,748	1,867	491	177	167	48	57	182
Critical (15%)	141	129	229	688	847	694	213	168	164	56	164	179

Alternative 6A,6B,6C (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	90	100	4,573	**-1,540**	2,133	1,428	3,397	100	100	0	205	72
20%	99	104	3,518	3,857	1,436	2,466	3,667	100	100	0	0	51
30%	99	111	1,500	3,826	3,981	4,532	1,609	100	100	0	0	100
40%	99	111	421	2,701	4,418	2,908	277	100	100	0	0	100
50%	96	114	330	1,600	2,846	2,006	128	100	100	0	0	100
60%	100	103	172	731	2,094	1,318	118	100	100	0	0	100
70%	104	105	122	393	346	568	117	100	100	0	0	100
80%	101	103	109	104	223	179	109	100	100	0	0	100
90%	100	100	100	102	125	141	117	100	100	0	0	100
Long Term												
Full Simulation Period[a]	105	101	1,358	2,259	2,098	1,722	1,049	101	99	0	16	90
Water Year Types[b]												
Wet (32%)	118	118	3,646	4,248	2,642	2,264	2,187	104	96	0	4	100
Above Normal (15%)	96	59	657	2,930	3,768	3,317	1,457	100	100	0	0	100
Below Normal (17%)	97	109	81	1,645	2,543	1,233	507	100	100	0	0	124
Dry (22%)	104	100	330	666	927	1,137	183	100	100	0	**-5**	106
Critical (15%)	98	102	131	382	484	402	106	100	100	1	109	**-3**

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-22-23. Yolo Bypass, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	74	475	8,414	36,552	52,985	26,415	7,160	82	68	48	174	266
20%	63	145	2,777	14,445	24,550	9,902	3,203	77	68	48	55	134
30%	60	50	797	4,805	8,687	4,466	635	72	68	48	55	59
40%	54	25	328	2,005	4,990	2,026	229	69	68	48	55	59
50%	49	9	137	482	2,195	802	139	67	67	48	55	59
60%	43	6	60	243	609	229	114	64	67	48	55	59
70%	32	2	20	79	228	90	95	62	66	48	55	58
80%	17	0	0	42	65	45	78	58	64	48	55	56
90%	6	0	0	0	4	7	56	53	62	48	54	52
Long Term												
Full Simulation Period[a]	87	326	3,526	11,835	15,146	9,795	2,596	138	82	49	100	102
Water Year Types[b]												
Wet (32%)	126	876	9,209	32,670	38,424	25,168	6,953	229	118	48	143	110
Above Normal (15%)	38	159	1,772	7,913	14,188	10,281	1,450	183	66	48	95	65
Below Normal (17%)	50	35	1,505	961	2,539	631	563	67	66	48	114	86
Dry (22%)	121	69	343	500	1,821	729	308	77	67	48	62	76
Critical (15%)	44	27	98	306	363	292	107	68	64	55	54	182

Alternative 7 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	98	475	12,200	33,507	56,209	27,464	8,567	82	68	48	288	266
20%	63	149	6,786	17,732	26,475	13,013	5,726	77	68	48	55	138
30%	61	61	1,935	9,372	13,345	9,112	2,244	72	68	48	55	60
40%	54	36	728	5,260	10,012	5,786	406	69	68	48	55	59
50%	49	23	413	2,247	5,665	3,061	172	67	67	48	55	59
60%	43	10	148	946	2,849	1,406	126	64	67	48	55	59
70%	37	7	42	376	812	587	111	62	66	48	55	58
80%	19	5	6	55	247	205	86	58	64	48	55	56
90%	9	0	0	6	50	48	73	53	62	48	54	53
Long Term												
Full Simulation Period[a]	90	334	4,859	13,876	17,588	11,660	3,167	139	81	49	107	108
Water Year Types[b]												
Wet (32%)	126	916	12,697	36,039	41,779	27,688	8,040	233	114	48	147	162
Above Normal (15%)	47	113	2,828	11,091	18,152	13,749	2,551	183	66	48	95	65
Below Normal (17%)	54	44	1,545	2,875	5,496	2,073	813	67	66	48	106	85
Dry (22%)	125	71	619	1,095	2,820	1,908	404	77	67	48	59	68
Critical (15%)	46	29	132	646	872	657	113	68	64	56	106	123

Alternative 7 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	24	0	3,786	**-3,046**	3,224	1,048	1,407	0	0	0	115	0
20%	0	4	4,009	3,288	1,925	3,111	2,523	0	0	0	0	5
30%	1	11	1,138	4,568	4,658	4,646	1,609	0	0	0	0	0
40%	0	11	400	3,255	5,022	3,761	177	0	0	0	0	0
50%	0	14	277	1,765	3,471	2,259	33	0	0	0	0	0
60%	1	3	89	703	2,240	1,177	12	0	0	0	0	0
70%	5	5	22	298	585	498	16	0	0	0	0	0
80%	2	5	6	13	181	160	8	**0**	0	0	0	1
90%	3	0	0	6	46	41	17	0	0	0	0	1
Long Term												
Full Simulation Period[a]	3	8	1,333	2,041	2,442	1,865	570	1	**-1**	0	7	6
Water Year Types[b]												
Wet (32%)	**-1**	40	3,488	3,369	3,356	2,520	1,086	4	**-4**	0	4	52
Above Normal (15%)	9	**-46**	1,056	3,178	3,964	3,468	1,100	0	0	0	0	0
Below Normal (17%)	4	9	41	1,914	2,957	1,442	250	0	0	0	**-7**	**-1**
Dry (22%)	4	2	277	595	999	1,179	96	0	0	0	**-3**	**-8**
Critical (15%)	2	2	34	340	509	364	7	0	0	1	52	**-59**

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-22-24. Yolo Bypass, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	74	475	8,414	36,552	52,985	26,415	7,160	82	68	48	174	266
20%	63	145	2,777	14,445	24,550	9,902	3,203	77	68	48	55	134
30%	60	50	797	4,805	8,687	4,466	635	72	68	48	55	59
40%	54	25	328	2,005	4,990	2,026	229	69	68	48	55	59
50%	49	9	137	482	2,195	802	139	67	67	48	55	59
60%	43	6	60	243	609	229	114	64	67	48	55	59
70%	32	2	20	79	228	90	95	62	66	48	55	58
80%	17	0	0	42	65	45	78	58	64	48	55	56
90%	6	0	0	0	4	7	56	53	62	48	54	52
Long Term												
Full Simulation Period[a]	87	326	3,526	11,835	15,146	9,795	2,596	138	82	49	100	102
Water Year Types[b]												
Wet (32%)	126	876	9,209	32,670	38,424	25,168	6,953	229	118	48	143	110
Above Normal (15%)	38	159	1,772	7,913	14,188	10,281	1,450	183	66	48	95	65
Below Normal (17%)	50	35	1,505	961	2,539	631	563	67	66	48	114	86
Dry (22%)	121	69	343	500	1,821	729	308	77	67	48	62	76
Critical (15%)	44	27	98	306	363	292	107	68	64	55	54	182

Alternative 8 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	76	475	11,757	44,983	55,416	27,671	9,904	289	632	678	536	161
20%	63	149	6,240	19,636	25,014	12,897	6,207	78	336	255	211	69
30%	60	51	1,914	10,688	14,167	10,655	3,856	73	68	48	55	59
40%	54	36	646	5,747	10,750	6,381	2,279	70	68	48	55	59
50%	49	23	353	3,278	6,893	4,911	883	67	68	48	55	59
60%	43	10	147	1,591	4,079	3,063	535	64	68	48	55	59
70%	38	7	42	445	1,740	1,514	270	63	67	48	55	58
80%	23	5	9	115	420	451	150	59	66	48	55	55
90%	11	0	0	6	79	85	110	53	63	48	55	52
Long Term												
Full Simulation Period[a]	88	284	4,778	14,874	17,577	12,241	3,995	178	192	175	156	89
Water Year Types[b]												
Wet (32%)	124	759	12,772	38,226	40,842	27,901	8,857	298	114	48	189	95
Above Normal (15%)	40	108	1,935	12,032	17,986	13,715	4,078	222	102	106	211	65
Below Normal (17%)	55	44	1,731	3,461	5,971	3,411	2,083	122	108	357	263	85
Dry (22%)	125	71	597	1,320	3,820	3,274	955	77	401	181	57	76
Critical (15%)	41	29	125	763	936	590	169	87	233	298	54	124

Alternative 8 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2	0	3,343	8,431	2,431	1,256	2,744	208	564	630	362	**-105**
20%	0	4	3,464	5,191	464	2,995	3,003	1	268	207	156	**-64**
30%	0	1	1,117	5,883	5,480	6,189	3,221	1	0	0	0	**0**
40%	**0**	11	318	3,742	5,759	4,355	2,050	0	0	0	0	0
50%	0	14	216	2,796	4,698	4,110	744	0	1	0	0	0
60%	1	3	88	1,348	3,470	2,834	420	0	1	0	0	**0**
70%	6	5	22	366	1,513	1,425	175	0	1	0	0	**0**
80%	6	5	9	74	354	406	72	0	1	0	0	**0**
90%	5	0	0	6	75	79	54	0	0	0	1	0
Long Term												
Full Simulation Period[a]	1	**-42**	1,252	3,038	2,431	2,446	1,399	40	109	126	56	**-13**
Water Year Types[b]												
Wet (32%)	**-2**	**-116**	3,564	5,556	2,418	2,733	1,903	69	**-4**	0	46	**-14**
Above Normal (15%)	2	**-51**	163	4,119	3,798	3,435	2,628	39	35	58	116	**0**
Below Normal (17%)	5	9	226	2,500	3,432	2,780	1,520	55	42	309	149	**-1**
Dry (22%)	4	2	255	820	1,999	2,545	647	0	334	133	**-5**	1
Critical (15%)	**-2**	2	27	457	572	298	62	19	169	242	0	**-58**

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-22-25. Yolo Bypass, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	74	475	8,414	36,552	52,985	26,415	7,160	82	68	48	174	266
20%	63	145	2,777	14,445	24,550	9,902	3,203	77	68	48	55	134
30%	60	50	797	4,805	8,687	4,466	635	72	68	48	55	59
40%	54	25	328	2,005	4,990	2,026	229	69	68	48	55	59
50%	49	9	137	482	2,195	802	139	67	67	48	55	59
60%	43	6	60	243	609	229	114	64	67	48	55	59
70%	32	2	20	79	228	90	95	62	66	48	55	58
80%	17	0	0	42	65	45	78	58	64	48	55	56
90%	6	0	0	0	4	7	56	53	62	48	54	52
Long Term												
Full Simulation Period[a]	87	326	3,526	11,835	15,146	9,795	2,596	138	82	49	100	102
Water Year Types[b]												
Wet (32%)	126	876	9,209	32,670	38,424	25,168	6,953	229	118	48	143	110
Above Normal (15%)	38	159	1,772	7,913	14,188	10,281	1,450	183	66	48	95	65
Below Normal (17%)	50	35	1,505	961	2,539	631	563	67	66	48	114	86
Dry (22%)	121	69	343	500	1,821	729	308	77	67	48	62	76
Critical (15%)	44	27	98	306	363	292	107	68	64	55	54	182

Alternative 9 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	164	575	10,940	37,360	55,359	27,022	10,301	182	168	48	163	366
20%	162	245	5,815	16,584	24,435	12,365	6,756	177	168	48	55	248
30%	160	150	1,588	8,180	12,172	8,760	2,203	172	168	48	55	163
40%	154	129	733	4,678	8,130	4,681	506	169	168	48	55	159
50%	146	110	468	1,908	4,897	2,845	263	167	167	48	55	159
60%	140	107	228	970	2,128	1,206	239	164	167	48	55	159
70%	129	105	149	472	692	622	210	162	166	48	55	158
80%	116	100	110	145	240	253	187	158	164	48	55	156
90%	105	100	100	103	122	149	173	153	162	48	54	153
Long Term												
Full Simulation Period[a]	186	427	4,325	13,284	16,579	11,238	3,611	237	181	48	94	211
Water Year Types[b]												
Wet (32%)	224	996	11,010	34,846	40,006	27,026	9,043	328	214	48	136	264
Above Normal (15%)	138	215	2,294	9,928	16,168	12,628	2,888	283	166	48	87	165
Below Normal (17%)	142	137	1,863	2,616	4,750	1,857	1,073	167	166	48	99	185
Dry (22%)	222	171	668	1,073	2,725	1,833	487	177	167	48	60	171
Critical (15%)	145	127	227	687	816	695	214	168	164	48	57	234

Alternative 9 (LLT) minus No Action Alternative (LLT)

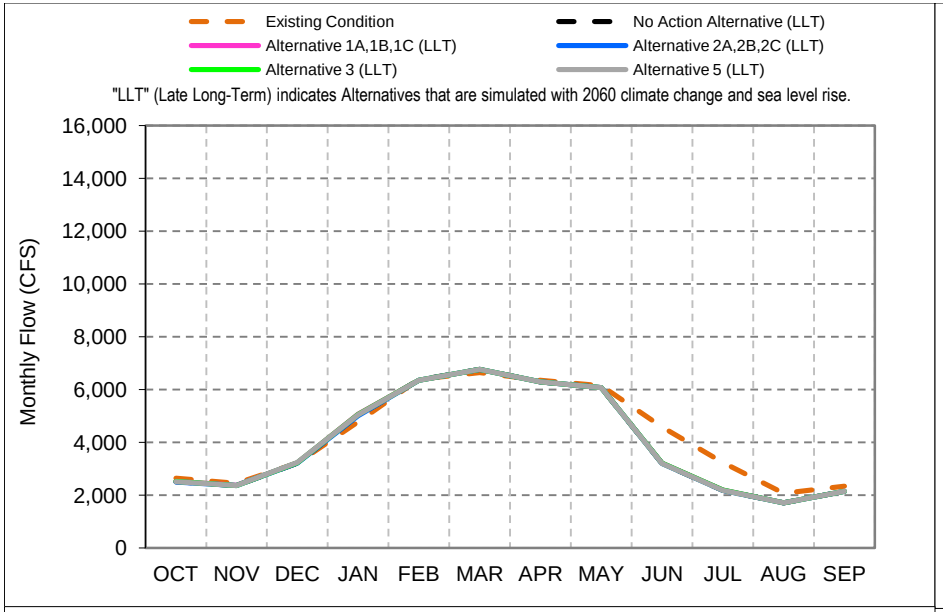
	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	90	100	2,525	807	2,374	607	3,141	100	100	0	-11	100
20%	100	100	3,038	2,139	-115	2,463	3,553	100	100	0	0	115
30%	99	100	790	3,375	3,485	4,293	1,568	100	100	0	0	104
40%	99	104	405	2,673	3,140	2,655	277	100	100	0	0	100
50%	96	101	331	1,426	2,702	2,043	124	100	100	0	0	100
60%	97	101	169	727	1,518	976	124	100	100	0	0	100
70%	97	103	129	393	464	533	115	100	100	0	0	100
80%	99	100	110	103	174	208	109	100	100	0	0	101
90%	99	100	100	103	119	142	117	100	100	0	0	101
Long Term												
Full Simulation Period[a]	98	101	799	1,449	1,434	1,443	1,015	100	99	-1	-6	109
Water Year Types[b]												
Wet (32%)	98	121	1,801	2,176	1,582	1,858	2,090	99	96	0	-7	154
Above Normal (15%)	100	56	522	2,015	1,979	2,348	1,438	100	100	0	-8	100
Below Normal (17%)	92	102	359	1,655	2,211	1,226	510	100	100	0	-14	99
Dry (22%)	101	102	326	573	904	1,103	179	100	100	0	-1	95
Critical (15%)	101	100	130	382	453	403	108	100	100	-7	3	52

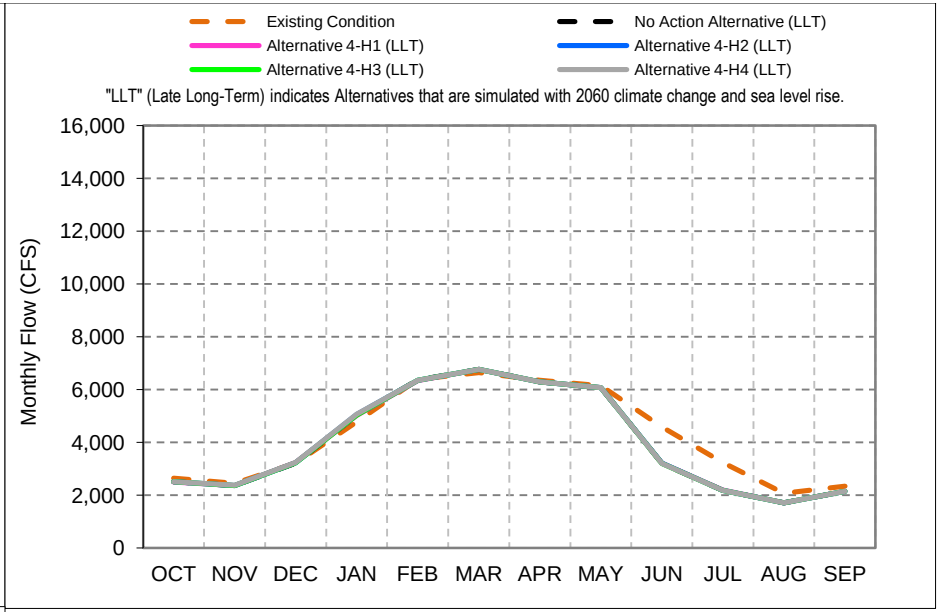
Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

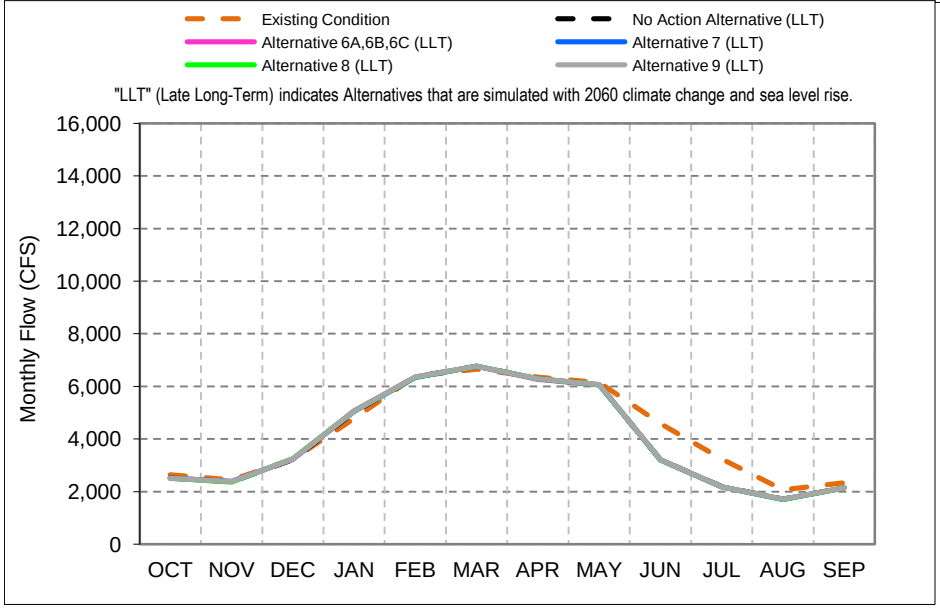
a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

C.23. San Joaquin River Flow at Vernalis



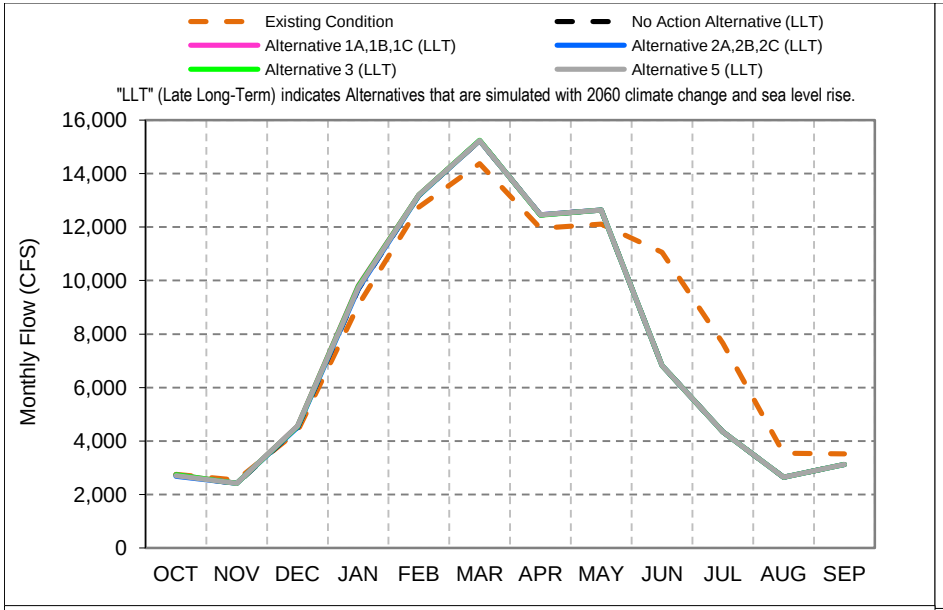


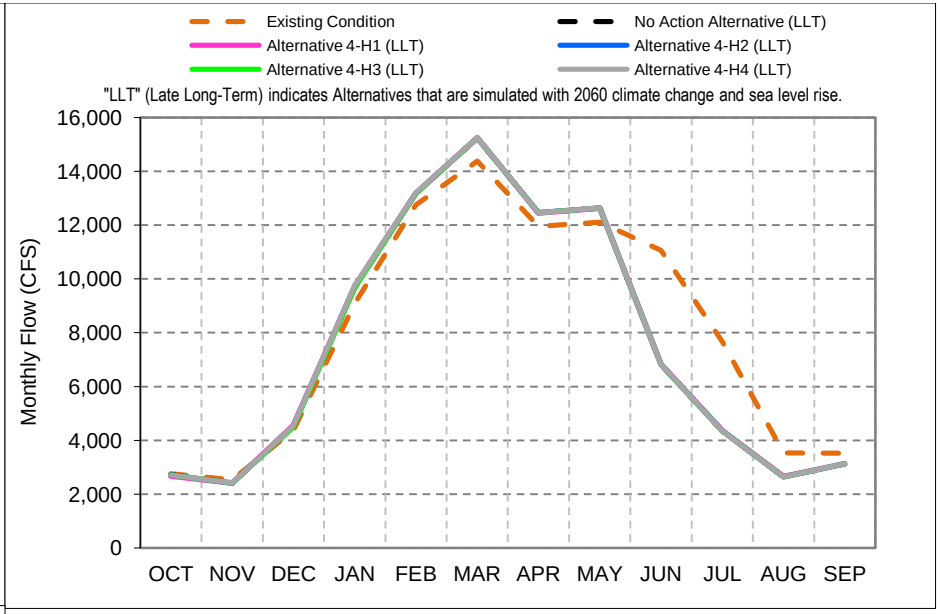


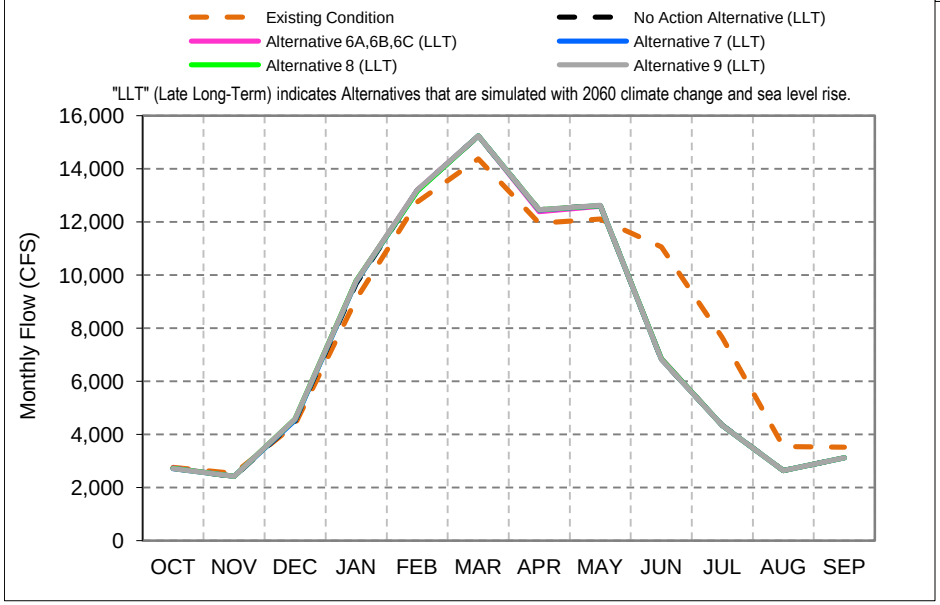
Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-23-1. San Joaquin River at Vernalis, Long-Term Average Flow





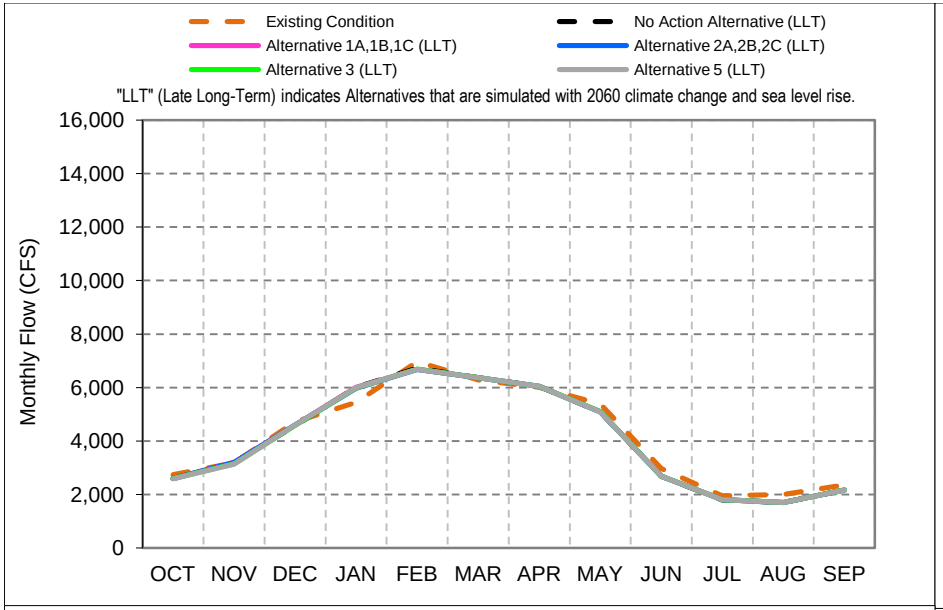


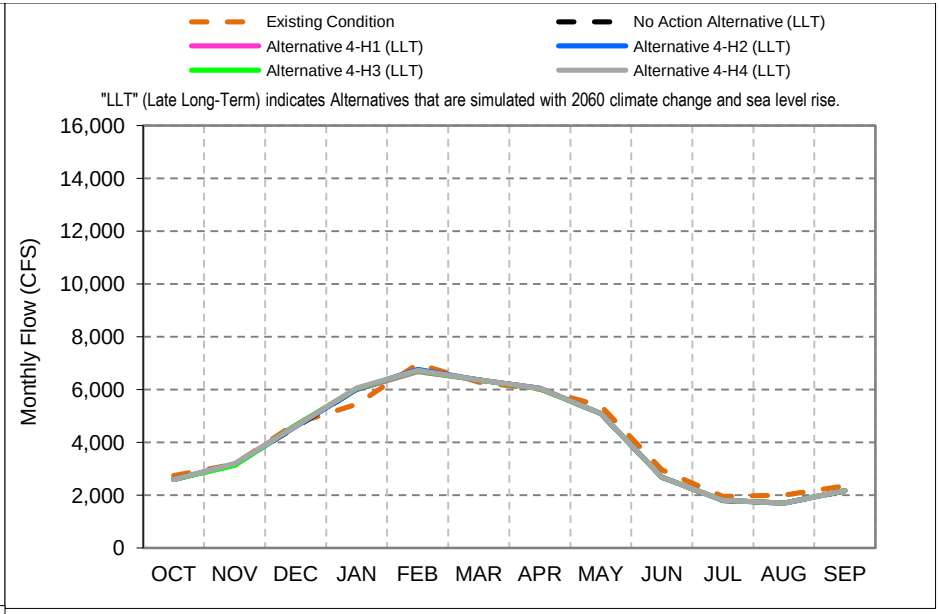
Alternative 4 Scenario Definitions:

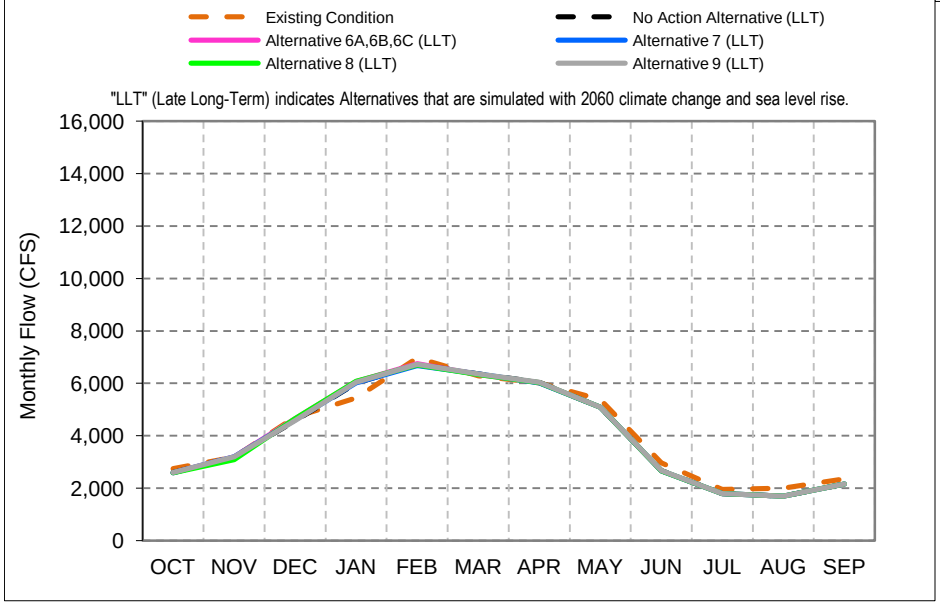
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the San Joaquin River Basin 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-23-2. San Joaquin River at Vernalis, Wet Year* Average Flow





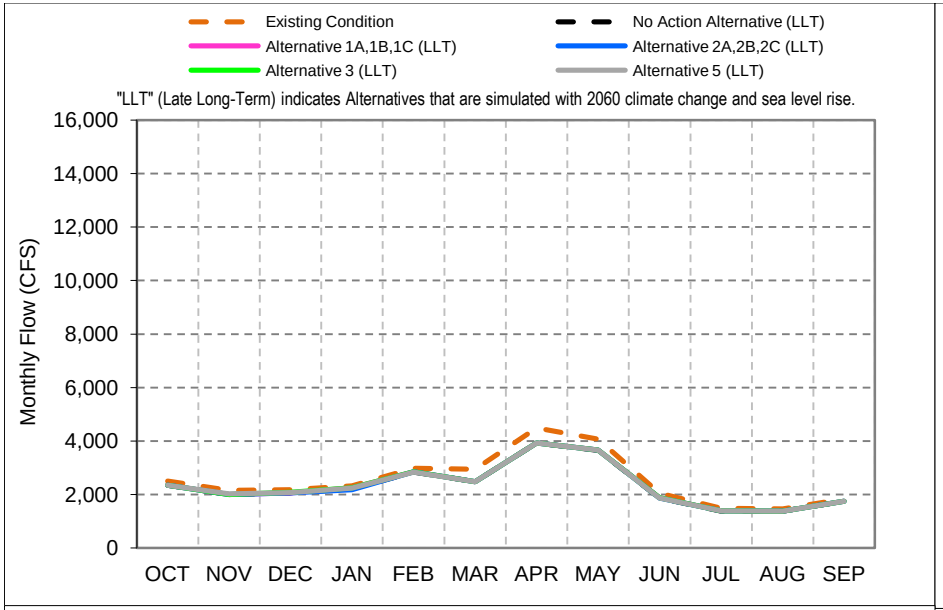


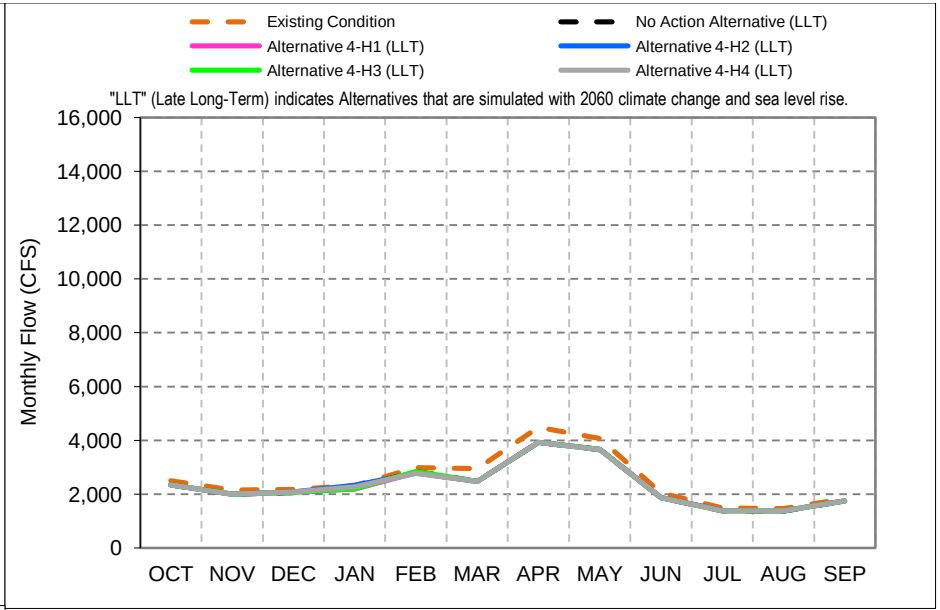
Alternative 4 Scenario Definitions:

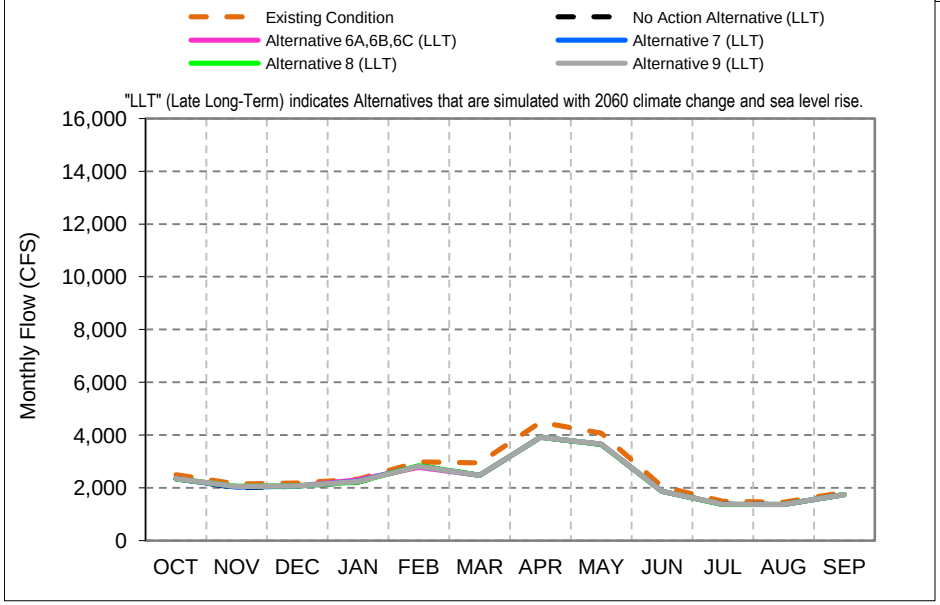
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the San Joaquin River Basin 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-23-3. San Joaquin River at Vernalis, Above Normal Year* Average Flow





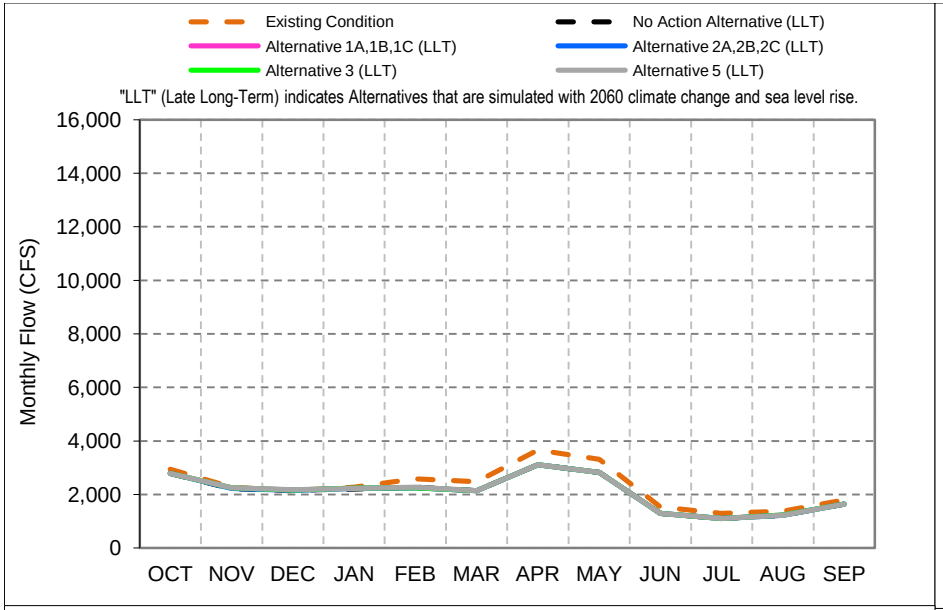


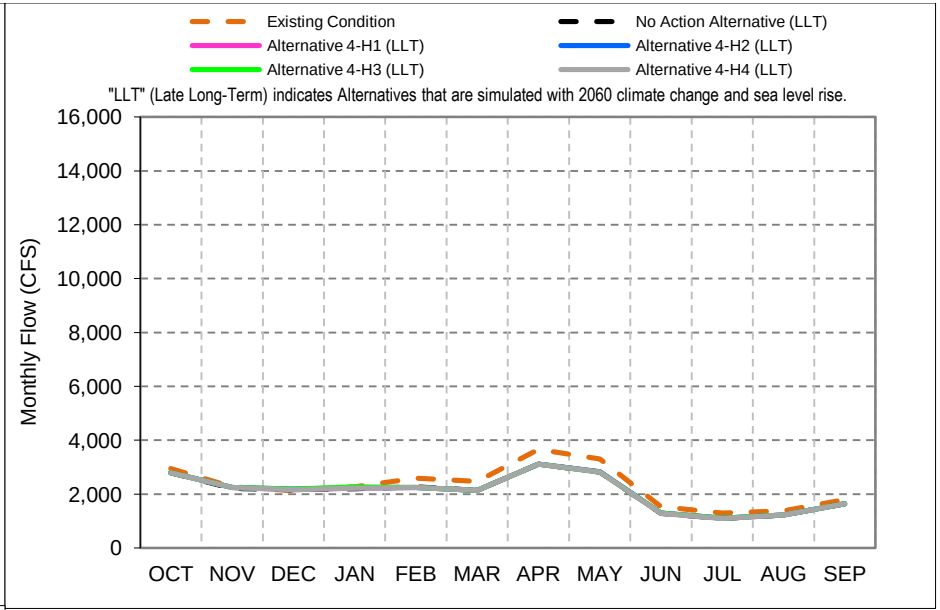
Alternative 4 Scenario Definitions:

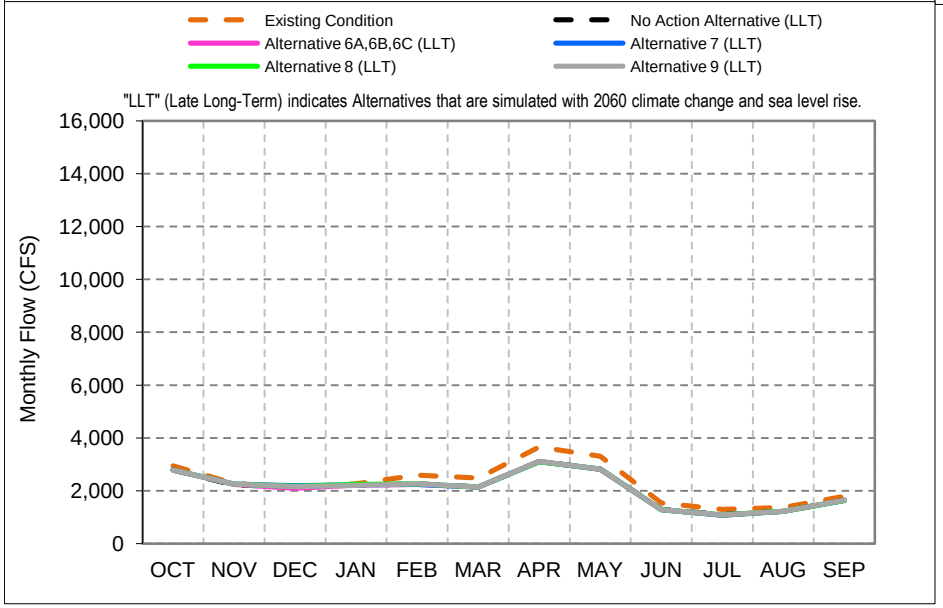
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the San Joaquin River Basin 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-23-4. San Joaquin River at Vernalis, Below Normal Year* Average Flow





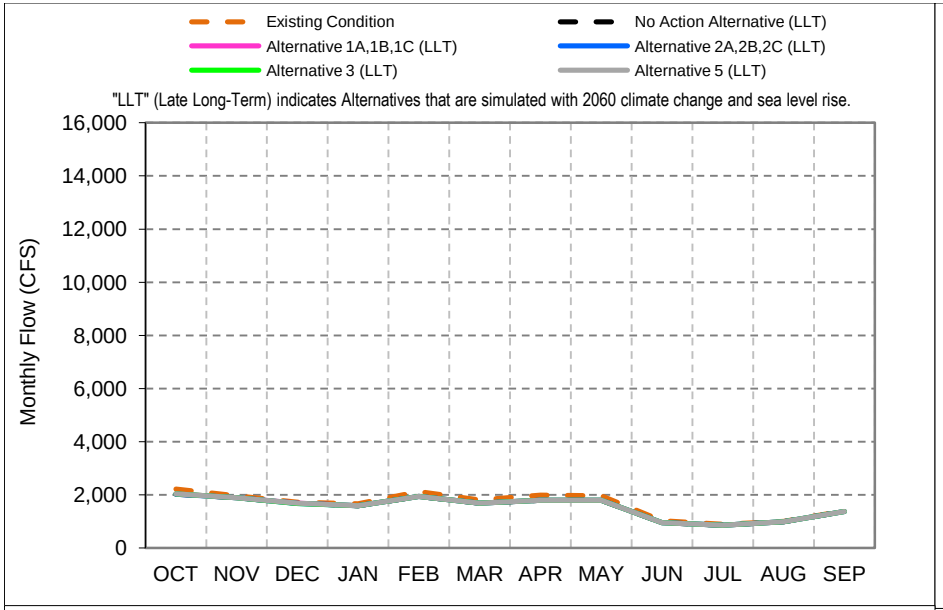


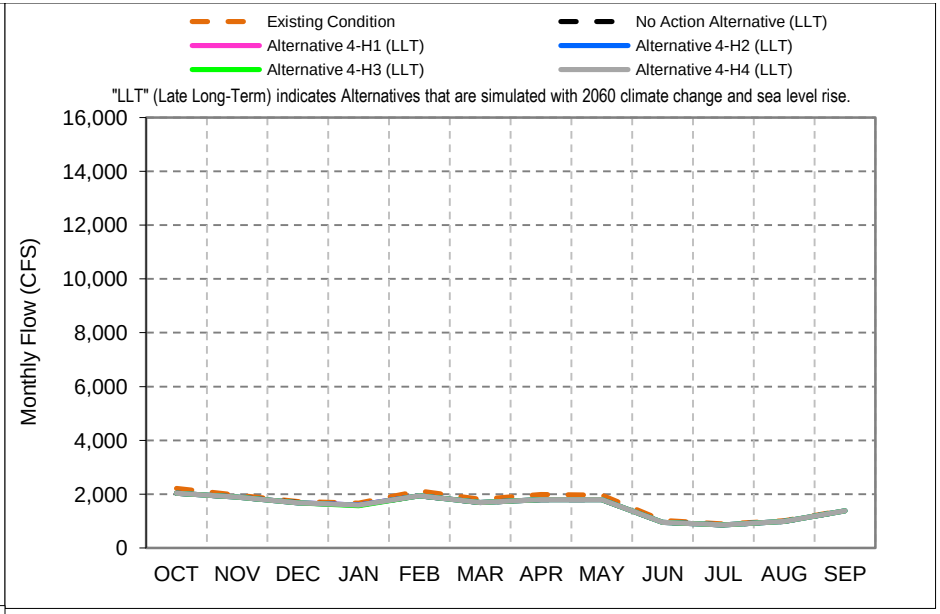
Alternative 4 Scenario Definitions:

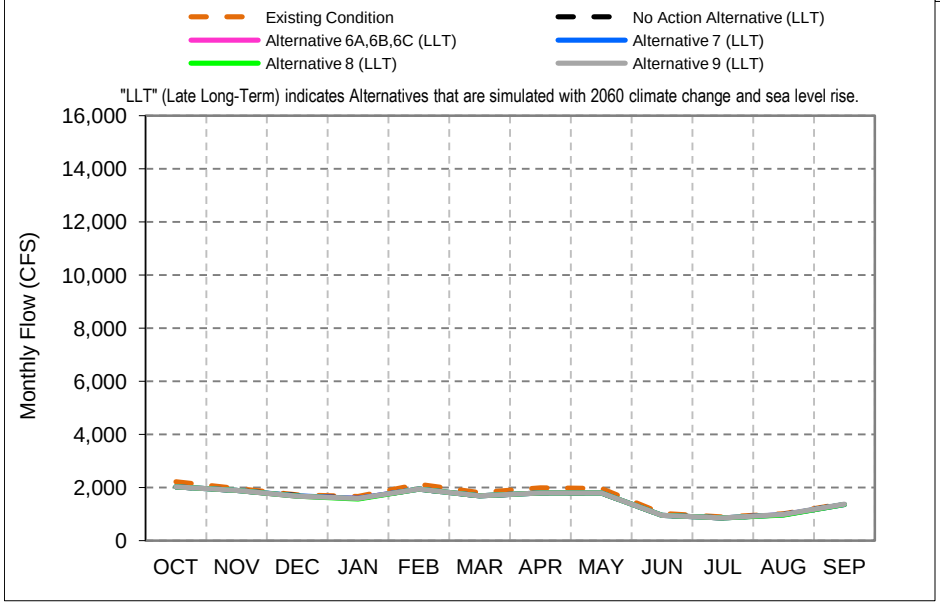
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the San Joaquin River Basin 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-23-5. San Joaquin River at Vernalis, Dry Year* Average Flow







Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the San Joaquin River Basin 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-23-6. San Joaquin River at Vernalis, Critical Year* Average Flow

Table C-23-1. San Joaquin River at Vernalis, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,596	2,902	4,363	9,686	15,593	14,474	12,960	13,526	11,935	7,289	3,181	3,312
20%	3,175	2,595	2,845	5,116	9,547	9,119	7,803	7,669	7,050	3,664	2,833	2,804
30%	2,975	2,399	2,319	3,273	6,158	7,611	6,570	5,613	3,351	2,124	2,400	2,557
40%	2,807	2,243	2,143	2,481	4,405	5,894	5,677	5,175	2,892	1,847	1,775	2,277
50%	2,546	2,071	2,064	2,396	3,477	3,225	5,220	4,372	2,367	1,641	1,541	1,961
60%	2,314	1,981	1,983	2,200	2,503	2,717	4,194	3,780	1,861	1,439	1,454	1,854
70%	2,196	1,876	1,863	2,071	2,354	2,293	3,429	3,293	1,529	1,287	1,367	1,770
80%	2,049	1,769	1,795	1,803	2,274	2,110	2,608	2,585	1,420	1,184	1,267	1,687
90%	1,644	1,637	1,636	1,625	2,154	1,838	2,043	1,941	1,077	956	1,086	1,489
Long Term												
Full Simulation Period[a]	2,639	2,448	3,219	4,777	6,388	6,648	6,351	6,148	4,583	3,239	2,072	2,338
Water Year Types[b]												
Wet (32%)	2,760	2,534	4,370	9,089	12,750	14,374	11,955	12,109	11,058	7,654	3,539	3,519
Above Normal (15%)	2,745	3,182	4,711	5,447	6,965	6,284	6,014	5,381	2,965	1,958	2,000	2,355
Below Normal (17%)	2,502	2,150	2,182	2,326	2,983	2,949	4,490	4,074	2,051	1,491	1,460	1,829
Dry (22%)	2,945	2,272	2,129	2,270	2,590	2,479	3,656	3,308	1,537	1,295	1,375	1,796
Critical (15%)	2,213	1,968	1,729	1,667	2,120	1,813	1,983	1,964	1,020	898	1,007	1,402

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,313	2,812	4,087	10,918	15,352	15,914	14,360	13,477	5,717	4,146	2,716	3,124
20%	2,932	2,406	2,806	4,719	8,794	8,835	8,640	6,693	3,981	2,461	2,155	2,521
30%	2,830	2,231	2,392	3,187	6,061	7,433	6,513	5,338	3,077	1,968	1,807	2,252
40%	2,689	2,128	2,138	2,637	4,880	4,228	5,560	5,089	2,542	1,779	1,634	2,079
50%	2,439	1,994	2,070	2,371	3,296	2,861	4,882	4,511	2,180	1,506	1,492	1,893
60%	2,179	1,929	1,957	2,298	2,496	2,431	3,386	3,309	1,743	1,388	1,397	1,791
70%	2,010	1,829	1,868	2,017	2,192	2,139	3,177	2,715	1,303	1,108	1,221	1,644
80%	1,878	1,737	1,727	1,792	1,998	1,834	2,430	2,326	1,162	1,014	1,167	1,527
90%	1,386	1,608	1,567	1,588	1,833	1,658	1,634	1,789	1,038	884	1,066	1,423
Long Term												
Full Simulation Period[a]	2,515	2,367	3,211	5,018	6,361	6,763	6,291	6,069	3,206	2,184	1,710	2,144
Water Year Types[b]												
Wet (32%)	2,726	2,411	4,504	9,681	13,191	15,235	12,457	12,632	6,820	4,345	2,645	3,127
Above Normal (15%)	2,595	3,193	4,567	6,011	6,721	6,364	6,042	5,092	2,678	1,801	1,699	2,164
Below Normal (17%)	2,348	1,997	2,065	2,220	2,841	2,476	3,922	3,657	1,870	1,381	1,375	1,748
Dry (22%)	2,790	2,217	2,166	2,202	2,269	2,146	3,112	2,823	1,291	1,100	1,225	1,643
Critical (15%)	2,031	1,898	1,694	1,592	1,941	1,688	1,796	1,798	956	858	987	1,378

No Action Alternative (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-284	-91	-276	1,232	-242	1,439	1,401	-49	-6,218	-3,143	-465	-188
20%	-243	-189	-39	-397	-752	-284	838	-976	-3,069	-1,203	-678	-283
30%	-145	-168	73	-86	-97	-178	-56	-275	-274	-156	-593	-306
40%	-118	-115	-5	156	475	-1,667	-117	-86	-350	-69	-141	-198
50%	-107	-77	6	-26	-181	-364	-338	139	-187	-135	-48	-68
60%	-135	-52	-27	98	-7	-286	-808	-471	-118	-51	-57	-63
70%	-186	-47	6	-53	-163	-154	-252	-579	-226	-179	-146	-126
80%	-170	-32	-68	-11	-276	-276	-178	-259	-258	-170	-100	-160
90%	-258	-29	-69	-37	-321	-180	-409	-152	-39	-72	-21	-65
Long Term												
Full Simulation Period[a]	-123	-80	-9	241	-27	115	-60	-79	-1,377	-1,055	-362	-194
Water Year Types[b]												
Wet (32%)	-34	-122	134	592	441	861	502	523	-4,238	-3,309	-894	-392
Above Normal (15%)	-150	11	-144	564	-244	80	28	-289	-287	-157	-301	-190
Below Normal (17%)	-154	-154	-117	-106	-142	-473	-568	-417	-181	-110	-85	-81
Dry (22%)	-154	-55	37	-69	-321	-333	-545	-485	-246	-196	-150	-153
Critical (15%)	-182	-70	-35	-75	-179	-125	-187	-167	-65	-40	-20	-25

a Based on the 82-year simulation period

b As defined by the San Joaquin River Basin 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-23-2. San Joaquin River at Vernalis, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,596	2,902	4,363	9,686	15,593	14,474	12,960	13,526	11,935	7,289	3,181	3,312
20%	3,175	2,595	2,845	5,116	9,547	9,119	7,803	7,669	7,050	3,664	2,833	2,804
30%	2,975	2,399	2,319	3,273	6,158	7,611	6,570	5,613	3,351	2,124	2,400	2,557
40%	2,807	2,243	2,143	2,481	4,405	5,894	5,677	5,175	2,892	1,847	1,775	2,277
50%	2,546	2,071	2,064	2,396	3,477	3,225	5,220	4,372	2,367	1,641	1,541	1,961
60%	2,314	1,981	1,983	2,200	2,503	2,717	4,194	3,780	1,861	1,439	1,454	1,854
70%	2,196	1,876	1,863	2,071	2,354	2,293	3,429	3,293	1,529	1,287	1,367	1,770
80%	2,049	1,769	1,795	1,803	2,274	2,110	2,608	2,585	1,420	1,184	1,267	1,687
90%	1,644	1,637	1,636	1,625	2,154	1,838	2,043	1,941	1,077	956	1,086	1,489
Long Term												
Full Simulation Period[a]	2,639	2,448	3,219	4,777	6,388	6,648	6,351	6,148	4,583	3,239	2,072	2,338
Water Year Types[b]												
Wet (32%)	2,760	2,534	4,370	9,089	12,750	14,374	11,955	12,109	11,058	7,654	3,539	3,519
Above Normal (15%)	2,745	3,182	4,711	5,447	6,965	6,284	6,014	5,381	2,965	1,958	2,000	2,355
Below Normal (17%)	2,502	2,150	2,182	2,326	2,983	2,949	4,490	4,074	2,051	1,491	1,460	1,829
Dry (22%)	2,945	2,272	2,129	2,270	2,590	2,479	3,656	3,308	1,537	1,295	1,375	1,796
Critical (15%)	2,213	1,968	1,729	1,667	2,120	1,813	1,983	1,964	1,020	898	1,007	1,402

Alternative 1A,1B,1C (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,313	2,812	3,655	10,917	15,351	15,911	14,364	13,474	5,717	4,148	2,716	3,125
20%	2,933	2,517	2,966	5,034	8,795	8,835	8,642	6,694	3,989	2,481	2,157	2,525
30%	2,832	2,248	2,420	3,458	6,059	7,434	6,514	5,340	3,078	1,969	1,814	2,256
40%	2,688	2,135	2,145	2,627	4,793	4,228	5,560	5,094	2,549	1,785	1,635	2,083
50%	2,442	1,994	2,092	2,417	3,155	2,861	4,882	4,513	2,182	1,512	1,504	1,898
60%	2,179	1,929	1,966	2,326	2,497	2,431	3,387	3,313	1,744	1,400	1,413	1,794
70%	2,010	1,829	1,869	2,040	2,192	2,140	3,180	2,715	1,302	1,118	1,232	1,646
80%	1,879	1,738	1,727	1,765	1,998	1,833	2,430	2,328	1,165	1,023	1,163	1,530
90%	1,386	1,608	1,567	1,588	1,833	1,658	1,634	1,792	1,036	880	1,065	1,428
Long Term												
Full Simulation Period[a]	2,521	2,378	3,230	5,067	6,352	6,763	6,292	6,072	3,209	2,190	1,715	2,146
Water Year Types[b]												
Wet (32%)	2,744	2,418	4,556	9,811	13,196	15,234	12,458	12,636	6,822	4,350	2,648	3,129
Above Normal (15%)	2,596	3,208	4,593	6,011	6,680	6,365	6,044	5,094	2,682	1,808	1,704	2,167
Below Normal (17%)	2,349	1,997	2,060	2,255	2,849	2,476	3,924	3,662	1,876	1,392	1,383	1,752
Dry (22%)	2,792	2,253	2,163	2,236	2,246	2,146	3,113	2,825	1,295	1,107	1,230	1,645
Critical (15%)	2,032	1,898	1,694	1,592	1,943	1,688	1,797	1,799	956	860	988	1,379

Alternative 1A,1B,1C (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-283	-91	-708	1,231	-242	1,437	1,404	-51	-6,218	-3,141	-465	-187
20%	-242	-78	122	-82	-751	-284	840	-975	-3,061	-1,184	-676	-279
30%	-143	-151	101	185	-99	-177	-55	-272	-273	-154	-586	-302
40%	-119	-108	2	146	388	-1,666	-117	-80	-343	-62	-140	-194
50%	-104	-77	29	21	-322	-363	-337	141	-185	-129	-37	-63
60%	-135	-52	-17	126	-6	-286	-807	-467	-117	-39	-41	-60
70%	-186	-47	6	-30	-162	-153	-250	-578	-227	-169	-135	-124
80%	-170	-31	-68	-38	-276	-276	-178	-257	-255	-161	-105	-157
90%	-258	-29	-69	-37	-321	-180	-409	-149	-40	-75	-21	-60
Long Term												
Full Simulation Period[a]	-118	-70	11	290	-36	115	-59	-76	-1,374	-1,049	-358	-192
Water Year Types[b]												
Wet (32%)	-16	-116	186	722	445	860	503	526	-4,236	-3,304	-891	-390
Above Normal (15%)	-149	26	-118	564	-284	81	29	-288	-283	-150	-296	-188
Below Normal (17%)	-153	-154	-121	-71	-134	-473	-566	-412	-175	-99	-77	-77
Dry (22%)	-153	-20	34	-34	-345	-333	-544	-483	-242	-188	-145	-151
Critical (15%)	-181	-70	-35	-75	-177	-125	-187	-165	-64	-38	-19	-24

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the San Joaquin River Basin 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-23-3. San Joaquin River at Vernalis, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,596	2,902	4,363	9,686	15,593	14,474	12,960	13,526	11,935	7,289	3,181	3,312
20%	3,175	2,595	2,845	5,116	9,547	9,119	7,803	7,669	7,050	3,664	2,833	2,804
30%	2,975	2,399	2,319	3,273	6,158	7,611	6,570	5,613	3,351	2,124	2,400	2,557
40%	2,807	2,243	2,143	2,481	4,405	5,894	5,677	5,175	2,892	1,847	1,775	2,277
50%	2,546	2,071	2,064	2,396	3,477	3,225	5,220	4,372	2,367	1,641	1,541	1,961
60%	2,314	1,981	1,983	2,200	2,503	2,717	4,194	3,780	1,861	1,439	1,454	1,854
70%	2,196	1,876	1,863	2,071	2,354	2,293	3,429	3,293	1,529	1,287	1,367	1,770
80%	2,049	1,769	1,795	1,803	2,274	2,110	2,608	2,585	1,420	1,184	1,267	1,687
90%	1,644	1,637	1,636	1,625	2,154	1,838	2,043	1,941	1,077	956	1,086	1,489
Long Term												
Full Simulation Period[a]	2,639	2,448	3,219	4,777	6,388	6,648	6,351	6,148	4,583	3,239	2,072	2,338
Water Year Types[b]												
Wet (32%)	2,760	2,534	4,370	9,089	12,750	14,374	11,955	12,109	11,058	7,654	3,539	3,519
Above Normal (15%)	2,745	3,182	4,711	5,447	6,965	6,284	6,014	5,381	2,965	1,958	2,000	2,355
Below Normal (17%)	2,502	2,150	2,182	2,326	2,983	2,949	4,490	4,074	2,051	1,491	1,460	1,829
Dry (22%)	2,945	2,272	2,129	2,270	2,590	2,479	3,656	3,308	1,537	1,295	1,375	1,796
Critical (15%)	2,213	1,968	1,729	1,667	2,120	1,813	1,983	1,964	1,020	898	1,007	1,402

Alternative 2A,2B,2C (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,313	2,812	4,421	10,915	15,353	15,922	14,365	13,475	5,718	4,147	2,716	3,125
20%	2,933	2,406	2,808	4,914	8,795	8,835	8,640	6,693	3,988	2,465	2,157	2,525
30%	2,831	2,231	2,324	3,264	6,061	7,434	6,512	5,334	3,078	1,969	1,803	2,255
40%	2,689	2,128	2,141	2,579	4,748	4,228	5,560	5,091	2,547	1,783	1,634	2,082
50%	2,439	1,994	2,026	2,383	3,289	2,861	4,882	4,506	2,181	1,513	1,493	1,894
60%	2,179	1,929	1,936	2,204	2,431	2,431	3,386	3,310	1,744	1,390	1,409	1,794
70%	2,010	1,829	1,858	2,038	2,192	2,139	3,178	2,714	1,304	1,108	1,232	1,645
80%	1,878	1,738	1,727	1,764	1,998	1,834	2,430	2,326	1,162	1,019	1,168	1,529
90%	1,386	1,608	1,567	1,588	1,833	1,658	1,634	1,786	1,039	880	1,065	1,423
Long Term												
Full Simulation Period[a]	2,502	2,370	3,214	5,009	6,348	6,762	6,292	6,069	3,207	2,186	1,712	2,145
Water Year Types[b]												
Wet (32%)	2,681	2,415	4,511	9,689	13,181	15,230	12,462	12,633	6,820	4,348	2,647	3,128
Above Normal (15%)	2,595	3,202	4,601	5,968	6,678	6,365	6,043	5,092	2,680	1,805	1,702	2,166
Below Normal (17%)	2,348	1,995	2,062	2,182	2,853	2,476	3,923	3,659	1,873	1,387	1,379	1,750
Dry (22%)	2,791	2,220	2,153	2,222	2,245	2,146	3,112	2,823	1,292	1,101	1,226	1,643
Critical (15%)	2,028	1,898	1,681	1,591	1,942	1,688	1,796	1,797	956	858	987	1,379

Alternative 2A,2B,2C (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-284	-90	58	1,229	-241	1,448	1,405	-51	-6,218	-3,142	-465	-187
20%	-242	-189	-37	-202	-752	-284	837	-976	-3,063	-1,200	-676	-279
30%	-144	-168	5	-10	-97	-177	-57	-278	-273	-154	-597	-302
40%	-119	-115	-2	97	344	-1,666	-117	-83	-346	-64	-141	-195
50%	-107	-77	-38	-13	-188	-364	-337	134	-186	-128	-48	-68
60%	-134	-52	-48	3	-72	-286	-808	-470	-117	-49	-44	-60
70%	-186	-47	-4	-33	-163	-154	-252	-579	-225	-179	-135	-125
80%	-170	-31	-67	-39	-276	-276	-178	-259	-258	-165	-99	-158
90%	-258	-29	-69	-37	-321	-180	-409	-155	-38	-75	-21	-66
Long Term												
Full Simulation Period[a]	-137	-77	-5	232	-40	114	-59	-78	-1,376	-1,053	-360	-193
Water Year Types[b]												
Wet (32%)	-79	-118	140	600	431	856	507	524	-4,238	-3,306	-892	-391
Above Normal (15%)	-150	20	-110	521	-286	80	28	-289	-285	-153	-299	-189
Below Normal (17%)	-154	-155	-120	-144	-129	-473	-567	-414	-178	-104	-81	-79
Dry (22%)	-153	-52	24	-48	-345	-333	-545	-485	-246	-194	-149	-153
Critical (15%)	-184	-70	-48	-76	-178	-125	-187	-168	-65	-40	-20	-23

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the San Joaquin River Basin 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-23-4. San Joaquin River at Vernalis, Monthly Flow

Existing Condition

Statistic	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,596	2,902	4,363	9,686	15,593	14,474	12,960	13,526	11,935	7,289	3,181	3,312
20%	3,175	2,595	2,845	5,116	9,547	9,119	7,803	7,669	7,050	3,664	2,833	2,804
30%	2,975	2,399	2,319	3,273	6,158	7,611	6,570	5,613	3,351	2,124	2,400	2,557
40%	2,807	2,243	2,143	2,481	4,405	5,894	5,677	5,175	2,892	1,847	1,775	2,277
50%	2,546	2,071	2,064	2,396	3,477	3,225	5,220	4,372	2,367	1,641	1,541	1,961
60%	2,314	1,981	1,983	2,200	2,503	2,717	4,194	3,780	1,861	1,439	1,454	1,854
70%	2,196	1,876	1,863	2,071	2,354	2,293	3,429	3,293	1,529	1,287	1,367	1,770
80%	2,049	1,769	1,795	1,803	2,274	2,110	2,608	2,585	1,420	1,184	1,267	1,687
90%	1,644	1,637	1,636	1,625	2,154	1,838	2,043	1,941	1,077	956	1,086	1,489
Long Term												
Full Simulation Period[a]	2,639	2,448	3,219	4,777	6,388	6,648	6,351	6,148	4,583	3,239	2,072	2,338
Water Year Types[b]												
Wet (32%)	2,760	2,534	4,370	9,089	12,750	14,374	11,955	12,109	11,058	7,654	3,539	3,519
Above Normal (15%)	2,745	3,182	4,711	5,447	6,965	6,284	6,014	5,381	2,965	1,958	2,000	2,355
Below Normal (17%)	2,502	2,150	2,182	2,326	2,983	2,949	4,490	4,074	2,051	1,491	1,460	1,829
Dry (22%)	2,945	2,272	2,129	2,270	2,590	2,479	3,656	3,308	1,537	1,295	1,375	1,796
Critical (15%)	2,213	1,968	1,729	1,667	2,120	1,813	1,983	1,964	1,020	898	1,007	1,402

Alternative 3 (LLT)

Statistic	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,313	2,799	3,665	10,913	15,354	15,911	14,368	13,485	5,717	4,148	2,716	3,125
20%	2,933	2,407	2,908	5,033	8,795	8,835	8,642	6,694	3,989	2,481	2,157	2,525
30%	2,832	2,248	2,428	3,344	6,062	7,434	6,514	5,340	3,077	1,970	1,813	2,256
40%	2,688	2,135	2,141	2,671	4,861	4,228	5,560	5,094	2,549	1,784	1,635	2,083
50%	2,442	1,994	2,083	2,415	3,155	2,861	4,882	4,513	2,181	1,512	1,503	1,898
60%	2,179	1,929	1,947	2,336	2,497	2,432	3,387	3,313	1,745	1,400	1,413	1,794
70%	2,010	1,829	1,858	2,021	2,192	2,140	3,179	2,713	1,302	1,118	1,232	1,646
80%	1,879	1,738	1,727	1,765	1,998	1,834	2,430	2,328	1,163	1,023	1,162	1,530
90%	1,386	1,608	1,567	1,588	1,833	1,658	1,634	1,791	1,036	880	1,065	1,428
Long Term												
Full Simulation Period[a]	2,521	2,367	3,227	5,056	6,354	6,765	6,289	6,072	3,209	2,190	1,714	2,146
Water Year Types[b]												
Wet (32%)	2,744	2,418	4,547	9,794	13,195	15,242	12,449	12,638	6,823	4,350	2,648	3,129
Above Normal (15%)	2,596	3,154	4,585	5,988	6,693	6,365	6,043	5,094	2,681	1,807	1,704	2,166
Below Normal (17%)	2,349	1,997	2,083	2,248	2,845	2,476	3,924	3,661	1,875	1,391	1,382	1,752
Dry (22%)	2,792	2,253	2,163	2,236	2,246	2,146	3,113	2,825	1,295	1,107	1,230	1,645
Critical (15%)	2,032	1,898	1,681	1,592	1,942	1,688	1,796	1,798	956	860	988	1,380

Alternative 3 (LLT) minus Existing Condition

Statistic	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-283	-103	-698	1,227	-240	1,437	1,408	-40	-6,218	-3,141	-465	-187
20%	-242	-188	63	-83	-751	-284	840	-975	-3,061	-1,184	-676	-279
30%	-143	-151	109	71	-96	-177	-55	-272	-274	-154	-587	-302
40%	-119	-108	-2	190	456	-1,666	-117	-80	-343	-63	-140	-194
50%	-104	-77	20	19	-322	-363	-337	141	-186	-128	-37	-63
60%	-135	-52	-37	136	-6	-286	-807	-467	-116	-38	-41	-60
70%	-186	-47	-4	-50	-162	-153	-250	-580	-227	-169	-135	-124
80%	-170	-31	-67	-38	-276	-276	-178	-257	-256	-161	-105	-157
90%	-258	-29	-69	-37	-321	-180	-409	-149	-40	-76	-22	-60
Long Term												
Full Simulation Period[a]	-118	-80	7	279	-34	118	-62	-76	-1,373	-1,049	-358	-191
Water Year Types[b]												
Wet (32%)	-16	-116	176	705	445	868	494	528	-4,235	-3,304	-891	-390
Above Normal (15%)	-149	-28	-126	541	-272	81	29	-288	-283	-151	-297	-188
Below Normal (17%)	-153	-154	-99	-78	-138	-473	-566	-412	-175	-99	-77	-77
Dry (22%)	-153	-20	34	-35	-345	-333	-544	-483	-242	-188	-145	-151
Critical (15%)	-181	-70	-48	-75	-178	-125	-187	-167	-64	-38	-19	-22

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the San Joaquin River Basin 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-23-5. San Joaquin River at Vernalis, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,596	2,902	4,363	9,686	15,593	14,474	12,960	13,526	11,935	7,289	3,181	3,312
20%	3,175	2,595	2,845	5,116	9,547	9,119	7,803	7,669	7,050	3,664	2,833	2,804
30%	2,975	2,399	2,319	3,273	6,158	7,611	6,570	5,613	3,351	2,124	2,400	2,557
40%	2,807	2,243	2,143	2,481	4,405	5,894	5,677	5,175	2,892	1,847	1,775	2,277
50%	2,546	2,071	2,064	2,396	3,477	3,225	5,220	4,372	2,367	1,641	1,541	1,961
60%	2,314	1,981	1,983	2,200	2,503	2,717	4,194	3,780	1,861	1,439	1,454	1,854
70%	2,196	1,876	1,863	2,071	2,354	2,293	3,429	3,293	1,529	1,287	1,367	1,770
80%	2,049	1,769	1,795	1,803	2,274	2,110	2,608	2,585	1,420	1,184	1,267	1,687
90%	1,644	1,637	1,636	1,625	2,154	1,838	2,043	1,941	1,077	956	1,086	1,489
Long Term												
Full Simulation Period[a]	2,639	2,448	3,219	4,777	6,388	6,648	6,351	6,148	4,583	3,239	2,072	2,338
Water Year Types[b]												
Wet (32%)	2,760	2,534	4,370	9,089	12,750	14,374	11,955	12,109	11,058	7,654	3,539	3,519
Above Normal (15%)	2,745	3,182	4,711	5,447	6,965	6,284	6,014	5,381	2,965	1,958	2,000	2,355
Below Normal (17%)	2,502	2,150	2,182	2,326	2,983	2,949	4,490	4,074	2,051	1,491	1,460	1,829
Dry (22%)	2,945	2,272	2,129	2,270	2,590	2,479	3,656	3,308	1,537	1,295	1,375	1,796
Critical (15%)	2,213	1,968	1,729	1,667	2,120	1,813	1,983	1,964	1,020	898	1,007	1,402

Alternative 4 H1 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,313	2,812	4,475	10,913	15,309	15,911	14,369	13,479	5,718	4,148	2,716	3,125
20%	2,933	2,521	2,815	4,954	8,795	8,835	8,642	6,693	3,988	2,476	2,157	2,525
30%	2,832	2,248	2,428	3,306	6,059	7,434	6,514	5,340	3,079	1,969	1,806	2,255
40%	2,689	2,135	2,141	2,579	4,748	4,228	5,559	5,094	2,542	1,786	1,634	2,080
50%	2,442	1,994	2,054	2,405	3,155	2,861	4,882	4,511	2,181	1,513	1,503	1,898
60%	2,180	1,929	1,936	2,210	2,470	2,432	3,387	3,313	1,745	1,399	1,412	1,794
70%	2,010	1,829	1,858	2,038	2,192	2,140	3,180	2,716	1,304	1,119	1,230	1,646
80%	1,879	1,738	1,727	1,793	1,998	1,834	2,430	2,329	1,165	1,020	1,168	1,529
90%	1,386	1,608	1,567	1,588	1,833	1,658	1,634	1,791	1,038	886	1,067	1,426
Long Term												
Full Simulation Period[a]	2,503	2,370	3,241	5,024	6,338	6,766	6,289	6,071	3,209	2,190	1,714	2,146
Water Year Types[b]												
Wet (32%)	2,682	2,416	4,555	9,714	13,178	15,246	12,450	12,634	6,822	4,350	2,648	3,129
Above Normal (15%)	2,596	3,170	4,642	5,997	6,677	6,365	6,043	5,093	2,680	1,806	1,703	2,166
Below Normal (17%)	2,349	1,997	2,083	2,195	2,795	2,476	3,924	3,661	1,876	1,392	1,383	1,752
Dry (22%)	2,791	2,253	2,168	2,222	2,245	2,147	3,113	2,825	1,295	1,107	1,230	1,645
Critical (15%)	2,032	1,898	1,681	1,592	1,942	1,688	1,796	1,799	957	861	988	1,380

Alternative 4 H1 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-283	-90	112	1,227	-285	1,437	1,410	-46	-6,218	-3,141	-465	-188
20%	-242	-74	-30	-162	-751	-284	840	-976	-3,062	-1,188	-676	-279
30%	-143	-151	109	33	-99	-177	-56	-273	-273	-154	-594	-302
40%	-119	-108	-3	97	343	-1,666	-118	-81	-350	-61	-141	-197
50%	-104	-77	-10	9	-322	-363	-337	139	-186	-127	-38	-63
60%	-134	-52	-48	10	-33	-286	-807	-468	-116	-39	-41	-60
70%	-186	-47	-4	-33	-162	-153	-250	-577	-225	-168	-137	-124
80%	-170	-31	-67	-10	-276	-276	-177	-256	-254	-164	-99	-158
90%	-258	-29	-69	-37	-321	-180	-409	-150	-38	-69	-19	-63
Long Term												
Full Simulation Period[a]	-136	-78	22	247	-50	119	-62	-77	-1,374	-1,050	-358	-191
Water Year Types[b]												
Wet (32%)	-78	-118	185	625	428	872	495	525	-4,236	-3,304	-891	-390
Above Normal (15%)	-149	-12	-69	550	-288	81	28	-289	-284	-152	-298	-189
Below Normal (17%)	-153	-154	-99	-131	-188	-473	-566	-412	-175	-99	-77	-77
Dry (22%)	-153	-19	39	-48	-345	-333	-544	-483	-242	-189	-145	-151
Critical (15%)	-181	-70	-48	-75	-178	-125	-187	-166	-63	-37	-19	-22

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the San Joaquin River Basin 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-23-6. San Joaquin River at Vernalis, Monthly Flow

Existing Condition

Statistic	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,596	2,902	4,363	9,686	15,593	14,474	12,960	13,526	11,935	7,289	3,181	3,312
20%	3,175	2,595	2,845	5,116	9,547	9,119	7,803	7,669	7,050	3,664	2,833	2,804
30%	2,975	2,399	2,319	3,273	6,158	7,611	6,570	5,613	3,351	2,124	2,400	2,557
40%	2,807	2,243	2,143	2,481	4,405	5,894	5,677	5,175	2,892	1,847	1,775	2,277
50%	2,546	2,071	2,064	2,396	3,477	3,225	5,220	4,372	2,367	1,641	1,541	1,961
60%	2,314	1,981	1,983	2,200	2,503	2,717	4,194	3,780	1,861	1,439	1,454	1,854
70%	2,196	1,876	1,863	2,071	2,354	2,293	3,429	3,293	1,529	1,287	1,367	1,770
80%	2,049	1,769	1,795	1,803	2,274	2,110	2,608	2,585	1,420	1,184	1,267	1,687
90%	1,644	1,637	1,636	1,625	2,154	1,838	2,043	1,941	1,077	956	1,086	1,489
Long Term												
Full Simulation Period[a]	2,639	2,448	3,219	4,777	6,388	6,648	6,351	6,148	4,583	3,239	2,072	2,338
Water Year Types[b]												
Wet (32%)	2,760	2,534	4,370	9,089	12,750	14,374	11,955	12,109	11,058	7,654	3,539	3,519
Above Normal (15%)	2,745	3,182	4,711	5,447	6,965	6,284	6,014	5,381	2,965	1,958	2,000	2,355
Below Normal (17%)	2,502	2,150	2,182	2,326	2,983	2,949	4,490	4,074	2,051	1,491	1,460	1,829
Dry (22%)	2,945	2,272	2,129	2,270	2,590	2,479	3,656	3,308	1,537	1,295	1,375	1,796
Critical (15%)	2,213	1,968	1,729	1,667	2,120	1,813	1,983	1,964	1,020	898	1,007	1,402

Alternative 4 H2 (LLT)

Statistic	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,313	2,745	4,400	10,917	15,343	15,912	14,367	13,476	5,718	4,146	2,716	3,125
20%	2,932	2,405	2,942	5,011	8,795	8,835	8,640	6,694	3,988	2,478	2,157	2,525
30%	2,832	2,248	2,391	3,265	6,059	7,434	6,514	5,339	3,075	1,970	1,805	2,255
40%	2,689	2,135	2,138	2,676	4,881	4,228	5,560	5,092	2,548	1,784	1,635	2,082
50%	2,441	1,994	2,083	2,415	3,155	2,861	4,882	4,526	2,181	1,513	1,500	1,896
60%	2,179	1,929	1,947	2,213	2,431	2,432	3,387	3,311	1,744	1,399	1,413	1,794
70%	2,010	1,829	1,869	2,081	2,192	2,140	3,179	2,716	1,303	1,109	1,225	1,646
80%	1,879	1,738	1,727	1,793	1,998	1,834	2,423	2,329	1,165	1,012	1,168	1,527
90%	1,386	1,608	1,567	1,588	1,833	1,658	1,627	1,793	1,035	885	1,065	1,425
Long Term												
Full Simulation Period[a]	2,516	2,363	3,226	5,053	6,357	6,763	6,291	6,070	3,209	2,188	1,713	2,146
Water Year Types[b]												
Wet (32%)	2,727	2,404	4,525	9,723	13,192	15,235	12,459	12,633	6,825	4,349	2,648	3,128
Above Normal (15%)	2,596	3,154	4,593	6,012	6,765	6,365	6,043	5,095	2,681	1,807	1,703	2,166
Below Normal (17%)	2,348	1,997	2,083	2,327	2,781	2,476	3,924	3,660	1,874	1,389	1,381	1,751
Dry (22%)	2,791	2,250	2,186	2,235	2,245	2,146	3,112	2,824	1,294	1,104	1,228	1,644
Critical (15%)	2,032	1,898	1,684	1,592	1,942	1,687	1,795	1,798	953	857	985	1,380

Alternative 4 H2 (LLT) minus Existing Condition

Statistic	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-284	-157	37	1,231	-250	1,437	1,407	-49	-6,218	-3,143	-465	-187
20%	-242	-190	97	-105	-751	-284	838	-974	-3,062	-1,186	-676	-279
30%	-143	-151	72	-8	-99	-177	-56	-274	-276	-154	-595	-302
40%	-118	-108	-5	195	476	-1,666	-117	-82	-344	-63	-140	-195
50%	-105	-77	19	19	-322	-363	-337	153	-186	-128	-41	-65
60%	-134	-52	-37	13	-72	-286	-807	-470	-117	-40	-41	-60
70%	-186	-47	6	10	-162	-153	-250	-577	-225	-179	-142	-124
80%	-170	-31	-68	-10	-276	-276	-185	-256	-254	-172	-99	-160
90%	-258	-29	-69	-37	-321	-180	-416	-148	-42	-71	-22	-64
Long Term												
Full Simulation Period[a]	-123	-85	7	276	-31	115	-60	-77	-1,374	-1,051	-359	-192
Water Year Types[b]												
Wet (32%)	-33	-130	154	634	442	861	505	524	-4,233	-3,305	-891	-390
Above Normal (15%)	-149	-28	-118	565	-200	81	29	-286	-284	-151	-297	-188
Below Normal (17%)	-153	-154	-99	1	-202	-473	-567	-414	-176	-102	-79	-78
Dry (22%)	-154	-22	57	-36	-345	-333	-545	-484	-243	-191	-146	-152
Critical (15%)	-181	-70	-45	-75	-178	-126	-188	-167	-67	-41	-23	-22

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the San Joaquin River Basin 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-23-7. San Joaquin River at Vernalis, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,596	2,902	4,363	9,686	15,593	14,474	12,960	13,526	11,935	7,289	3,181	3,312
20%	3,175	2,595	2,845	5,116	9,547	9,119	7,803	7,669	7,050	3,664	2,833	2,804
30%	2,975	2,399	2,319	3,273	6,158	7,611	6,570	5,613	3,351	2,124	2,400	2,557
40%	2,807	2,243	2,143	2,481	4,405	5,894	5,677	5,175	2,892	1,847	1,775	2,277
50%	2,546	2,071	2,064	2,396	3,477	3,225	5,220	4,372	2,367	1,641	1,541	1,961
60%	2,314	1,981	1,983	2,200	2,503	2,717	4,194	3,780	1,861	1,439	1,454	1,854
70%	2,196	1,876	1,863	2,071	2,354	2,293	3,429	3,293	1,529	1,287	1,367	1,770
80%	2,049	1,769	1,795	1,803	2,274	2,110	2,608	2,585	1,420	1,184	1,267	1,687
90%	1,644	1,637	1,636	1,625	2,154	1,838	2,043	1,941	1,077	956	1,086	1,489
Long Term												
Full Simulation Period[a]	2,639	2,448	3,219	4,777	6,388	6,648	6,351	6,148	4,583	3,239	2,072	2,338
Water Year Types[b]												
Wet (32%)	2,760	2,534	4,370	9,089	12,750	14,374	11,955	12,109	11,058	7,654	3,539	3,519
Above Normal (15%)	2,745	3,182	4,711	5,447	6,965	6,284	6,014	5,381	2,965	1,958	2,000	2,355
Below Normal (17%)	2,502	2,150	2,182	2,326	2,983	2,949	4,490	4,074	2,051	1,491	1,460	1,829
Dry (22%)	2,945	2,272	2,129	2,270	2,590	2,479	3,656	3,308	1,537	1,295	1,375	1,796
Critical (15%)	2,213	1,968	1,729	1,667	2,120	1,813	1,983	1,964	1,020	898	1,007	1,402

Alternative 4 H3 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,313	2,799	4,421	10,917	15,349	15,922	14,368	13,478	5,718	4,146	2,716	3,125
20%	2,933	2,406	2,950	4,962	8,795	8,835	8,638	6,693	3,988	2,462	2,157	2,525
30%	2,831	2,248	2,389	3,264	6,061	7,433	6,512	5,334	3,078	1,969	1,803	2,255
40%	2,689	2,135	2,138	2,579	4,818	4,228	5,559	5,090	2,542	1,784	1,634	2,079
50%	2,439	1,994	2,083	2,398	3,154	2,861	4,882	4,506	2,181	1,512	1,493	1,894
60%	2,179	1,929	1,946	2,289	2,469	2,431	3,387	3,310	1,745	1,390	1,410	1,793
70%	2,010	1,829	1,869	2,004	2,192	2,139	3,177	2,713	1,304	1,108	1,231	1,645
80%	1,878	1,738	1,727	1,781	1,998	1,834	2,430	2,326	1,162	1,019	1,168	1,529
90%	1,386	1,608	1,567	1,588	1,833	1,658	1,634	1,786	1,040	884	1,066	1,424
Long Term												
Full Simulation Period[a]	2,511	2,361	3,225	5,025	6,351	6,763	6,291	6,069	3,207	2,186	1,712	2,145
Water Year Types[b]												
Wet (32%)	2,712	2,418	4,492	9,675	13,182	15,236	12,460	12,633	6,820	4,347	2,646	3,128
Above Normal (15%)	2,595	3,123	4,643	6,037	6,701	6,365	6,042	5,092	2,679	1,804	1,702	2,166
Below Normal (17%)	2,348	1,997	2,075	2,207	2,841	2,476	3,923	3,659	1,873	1,386	1,378	1,750
Dry (22%)	2,791	2,253	2,186	2,266	2,245	2,146	3,112	2,823	1,292	1,101	1,226	1,643
Critical (15%)	2,031	1,898	1,683	1,572	1,942	1,688	1,796	1,797	956	858	987	1,379

Alternative 4 H3 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-284	-103	58	1,231	-245	1,448	1,408	-48	-6,218	-3,143	-465	-187
20%	-242	-189	106	-154	-752	-284	835	-976	-3,063	-1,202	-676	-280
30%	-144	-152	70	-10	-97	-178	-57	-278	-273	-154	-597	-302
40%	-118	-108	-5	97	413	-1,666	-118	-84	-350	-63	-141	-197
50%	-107	-77	19	2	-323	-364	-337	134	-186	-129	-47	-68
60%	-135	-52	-37	89	-33	-286	-808	-470	-117	-48	-43	-61
70%	-186	-47	6	-67	-163	-154	-252	-580	-225	-179	-136	-125
80%	-170	-31	-67	-22	-276	-276	-178	-258	-258	-165	-99	-158
90%	-258	-29	-69	-37	-321	-180	-409	-155	-37	-72	-20	-65
Long Term												
Full Simulation Period[a]	-127	-86	5	249	-37	116	-60	-78	-1,376	-1,053	-360	-193
Water Year Types[b]												
Wet (32%)	-47	-116	122	586	432	861	505	524	-4,238	-3,307	-892	-391
Above Normal (15%)	-150	-59	-68	590	-264	80	28	-289	-285	-153	-299	-189
Below Normal (17%)	-154	-154	-107	-119	-141	-473	-567	-415	-178	-105	-81	-79
Dry (22%)	-154	-19	57	-4	-345	-333	-545	-485	-245	-194	-149	-153
Critical (15%)	-182	-70	-46	-95	-178	-125	-187	-168	-64	-40	-20	-23

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the San Joaquin River Basin 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-23-8. San Joaquin River at Vernalis, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,596	2,902	4,363	9,686	15,593	14,474	12,960	13,526	11,935	7,289	3,181	3,312
20%	3,175	2,595	2,845	5,116	9,547	9,119	7,803	7,669	7,050	3,664	2,833	2,804
30%	2,975	2,399	2,319	3,273	6,158	7,611	6,570	5,613	3,351	2,124	2,400	2,557
40%	2,807	2,243	2,143	2,481	4,405	5,894	5,677	5,175	2,892	1,847	1,775	2,277
50%	2,546	2,071	2,064	2,396	3,477	3,225	5,220	4,372	2,367	1,641	1,541	1,961
60%	2,314	1,981	1,983	2,200	2,503	2,717	4,194	3,780	1,861	1,439	1,454	1,854
70%	2,196	1,876	1,863	2,071	2,354	2,293	3,429	3,293	1,529	1,287	1,367	1,770
80%	2,049	1,769	1,795	1,803	2,274	2,110	2,608	2,585	1,420	1,184	1,267	1,687
90%	1,644	1,637	1,636	1,625	2,154	1,838	2,043	1,941	1,077	956	1,086	1,489
Long Term												
Full Simulation Period[a]	2,639	2,448	3,219	4,777	6,388	6,648	6,351	6,148	4,583	3,239	2,072	2,338
Water Year Types[b]												
Wet (32%)	2,760	2,534	4,370	9,089	12,750	14,374	11,955	12,109	11,058	7,654	3,539	3,519
Above Normal (15%)	2,745	3,182	4,711	5,447	6,965	6,284	6,014	5,381	2,965	1,958	2,000	2,355
Below Normal (17%)	2,502	2,150	2,182	2,326	2,983	2,949	4,490	4,074	2,051	1,491	1,460	1,829
Dry (22%)	2,945	2,272	2,129	2,270	2,590	2,479	3,656	3,308	1,537	1,295	1,375	1,796
Critical (15%)	2,213	1,968	1,729	1,667	2,120	1,813	1,983	1,964	1,020	898	1,007	1,402

Alternative 4 H4 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,313	2,799	4,404	10,923	15,346	15,917	14,368	13,487	5,718	4,145	2,716	3,125
20%	2,932	2,518	3,002	5,031	8,795	8,835	8,636	6,693	3,988	2,466	2,157	2,525
30%	2,831	2,248	2,430	3,273	6,067	7,433	6,512	5,334	3,076	1,970	1,803	2,255
40%	2,689	2,135	2,138	2,669	4,831	4,228	5,560	5,091	2,548	1,781	1,635	2,082
50%	2,439	1,994	2,083	2,427	3,154	2,861	4,882	4,506	2,181	1,514	1,493	1,893
60%	2,179	1,929	1,946	2,274	2,497	2,431	3,386	3,309	1,742	1,389	1,408	1,794
70%	2,010	1,828	1,858	2,093	2,192	2,139	3,177	2,713	1,302	1,103	1,227	1,645
80%	1,878	1,738	1,727	1,764	1,998	1,834	2,423	2,326	1,162	1,014	1,167	1,527
90%	1,386	1,608	1,567	1,588	1,833	1,658	1,626	1,789	1,035	887	1,065	1,423
Long Term												
Full Simulation Period[a]	2,511	2,375	3,232	5,062	6,351	6,765	6,288	6,070	3,207	2,185	1,711	2,145
Water Year Types[b]												
Wet (32%)	2,712	2,411	4,548	9,760	13,194	15,243	12,450	12,637	6,823	4,347	2,646	3,128
Above Normal (15%)	2,595	3,204	4,610	6,057	6,731	6,365	6,043	5,092	2,680	1,805	1,702	2,166
Below Normal (17%)	2,348	1,997	2,083	2,272	2,778	2,476	3,923	3,658	1,872	1,385	1,377	1,749
Dry (22%)	2,791	2,253	2,167	2,227	2,245	2,146	3,111	2,822	1,290	1,098	1,225	1,643
Critical (15%)	2,031	1,897	1,681	1,592	1,942	1,687	1,794	1,796	952	854	984	1,380

Alternative 4 H4 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-284	-103	41	1,237	-247	1,443	1,408	-38	-6,218	-3,144	-465	-187
20%	-243	-77	158	-85	-752	-284	833	-975	-3,063	-1,198	-676	-280
30%	-144	-152	111	0	-91	-178	-58	-278	-275	-154	-597	-302
40%	-118	-108	-5	188	426	-1,666	-117	-84	-344	-66	-140	-194
50%	-107	-77	19	31	-323	-364	-337	134	-185	-127	-48	-68
60%	-134	-52	-37	74	-6	-286	-808	-472	-119	-50	-46	-60
70%	-186	-47	-4	23	-163	-154	-252	-580	-227	-184	-140	-125
80%	-171	-31	-68	-39	-276	-276	-185	-258	-258	-170	-100	-160
90%	-258	-29	-69	-37	-321	-180	-417	-152	-41	-69	-22	-66
Long Term												
Full Simulation Period[a]	-127	-73	13	285	-37	117	-63	-78	-1,376	-1,055	-361	-193
Water Year Types[b]												
Wet (32%)	-47	-122	178	671	444	868	496	528	-4,234	-3,307	-893	-391
Above Normal (15%)	-150	22	-101	610	-234	80	28	-289	-284	-153	-298	-189
Below Normal (17%)	-154	-154	-99	-54	-204	-473	-567	-415	-179	-106	-82	-80
Dry (22%)	-154	-20	38	-43	-345	-333	-546	-486	-247	-198	-150	-154
Critical (15%)	-182	-71	-48	-75	-177	-126	-189	-168	-68	-44	-24	-23

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the San Joaquin River Basin 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-23-9. San Joaquin River at Vernalis, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,596	2,902	4,363	9,686	15,593	14,474	12,960	13,526	11,935	7,289	3,181	3,312
20%	3,175	2,595	2,845	5,116	9,547	9,119	7,803	7,669	7,050	3,664	2,833	2,804
30%	2,975	2,399	2,319	3,273	6,158	7,611	6,570	5,613	3,351	2,124	2,400	2,557
40%	2,807	2,243	2,143	2,481	4,405	5,894	5,677	5,175	2,892	1,847	1,775	2,277
50%	2,546	2,071	2,064	2,396	3,477	3,225	5,220	4,372	2,367	1,641	1,541	1,961
60%	2,314	1,981	1,983	2,200	2,503	2,717	4,194	3,780	1,861	1,439	1,454	1,854
70%	2,196	1,876	1,863	2,071	2,354	2,293	3,429	3,293	1,529	1,287	1,367	1,770
80%	2,049	1,769	1,795	1,803	2,274	2,110	2,608	2,585	1,420	1,184	1,267	1,687
90%	1,644	1,637	1,636	1,625	2,154	1,838	2,043	1,941	1,077	956	1,086	1,489
Long Term												
Full Simulation Period[a]	2,639	2,448	3,219	4,777	6,388	6,648	6,351	6,148	4,583	3,239	2,072	2,338
Water Year Types[b]												
Wet (32%)	2,760	2,534	4,370	9,089	12,750	14,374	11,955	12,109	11,058	7,654	3,539	3,519
Above Normal (15%)	2,745	3,182	4,711	5,447	6,965	6,284	6,014	5,381	2,965	1,958	2,000	2,355
Below Normal (17%)	2,502	2,150	2,182	2,326	2,983	2,949	4,490	4,074	2,051	1,491	1,460	1,829
Dry (22%)	2,945	2,272	2,129	2,270	2,590	2,479	3,656	3,308	1,537	1,295	1,375	1,796
Critical (15%)	2,213	1,968	1,729	1,667	2,120	1,813	1,983	1,964	1,020	898	1,007	1,402

Alternative 5 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,313	2,812	4,209	10,916	15,353	15,913	14,365	13,480	5,717	4,147	2,716	3,125
20%	2,933	2,613	2,850	4,964	8,794	8,835	8,642	6,692	3,986	2,470	2,156	2,524
30%	2,831	2,250	2,420	3,187	6,062	7,434	6,515	5,335	3,077	1,969	1,806	2,255
40%	2,688	2,135	2,138	2,658	4,799	4,228	5,561	5,091	2,550	1,782	1,634	2,083
50%	2,439	1,994	2,083	2,415	3,296	2,861	4,883	4,507	2,181	1,513	1,494	1,894
60%	2,179	1,929	1,966	2,335	2,497	2,431	3,387	3,310	1,744	1,393	1,409	1,793
70%	2,010	1,829	1,869	2,040	2,192	2,139	3,179	2,715	1,303	1,108	1,230	1,645
80%	1,878	1,738	1,727	1,788	1,998	1,833	2,430	2,325	1,162	1,020	1,167	1,529
90%	1,386	1,608	1,567	1,588	1,833	1,658	1,634	1,787	1,044	882	1,064	1,423
Long Term												
Full Simulation Period[a]	2,509	2,368	3,235	5,038	6,355	6,763	6,291	6,070	3,207	2,186	1,712	2,145
Water Year Types[b]												
Wet (32%)	2,712	2,418	4,559	9,742	13,199	15,234	12,458	12,634	6,819	4,347	2,646	3,128
Above Normal (15%)	2,585	3,132	4,594	5,991	6,683	6,365	6,043	5,093	2,680	1,805	1,702	2,166
Below Normal (17%)	2,348	2,029	2,072	2,238	2,832	2,476	3,924	3,659	1,873	1,387	1,379	1,750
Dry (22%)	2,792	2,252	2,179	2,224	2,269	2,146	3,112	2,824	1,292	1,102	1,226	1,643
Critical (15%)	2,031	1,898	1,694	1,592	1,942	1,688	1,796	1,797	956	858	987	1,380

Alternative 5 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-284	-91	-154	1,230	-240	1,439	1,406	-45	-6,218	-3,142	-465	-188
20%	-242	18	6	-152	-752	-284	839	-976	-3,065	-1,195	-677	-280
30%	-144	-149	101	-86	-96	-177	-55	-278	-274	-155	-595	-302
40%	-119	-108	-5	177	394	-1,666	-116	-83	-342	-65	-141	-194
50%	-107	-77	19	19	-181	-364	-337	135	-186	-128	-47	-67
60%	-134	-52	-17	135	-6	-286	-807	-470	-117	-45	-44	-61
70%	-186	-47	6	-31	-163	-154	-251	-579	-226	-179	-137	-125
80%	-170	-31	-67	-15	-276	-276	-178	-259	-258	-164	-101	-158
90%	-258	-29	-69	-37	-321	-180	-409	-154	-33	-73	-22	-66
Long Term												
Full Simulation Period[a]	-129	-80	16	261	-33	115	-60	-78	-1,376	-1,053	-360	-193
Water Year Types[b]												
Wet (32%)	-47	-115	189	653	449	860	504	525	-4,238	-3,307	-893	-391
Above Normal (15%)	-160	-51	-117	544	-282	81	29	-289	-285	-153	-299	-189
Below Normal (17%)	-154	-121	-109	-88	-150	-473	-567	-414	-178	-104	-81	-79
Dry (22%)	-153	-20	50	-46	-321	-333	-545	-485	-245	-193	-148	-153
Critical (15%)	-182	-70	-35	-75	-178	-125	-187	-168	-65	-40	-20	-23

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the San Joaquin River Basin 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-23-10. San Joaquin River at Vernalis, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,596	2,902	4,363	9,686	15,593	14,474	12,960	13,526	11,935	7,289	3,181	3,312
20%	3,175	2,595	2,845	5,116	9,547	9,119	7,803	7,669	7,050	3,664	2,833	2,804
30%	2,975	2,399	2,319	3,273	6,158	7,611	6,570	5,613	3,351	2,124	2,400	2,557
40%	2,807	2,243	2,143	2,481	4,405	5,894	5,677	5,175	2,892	1,847	1,775	2,277
50%	2,546	2,071	2,064	2,396	3,477	3,225	5,220	4,372	2,367	1,641	1,541	1,961
60%	2,314	1,981	1,983	2,200	2,503	2,717	4,194	3,780	1,861	1,439	1,454	1,854
70%	2,196	1,876	1,863	2,071	2,354	2,293	3,429	3,293	1,529	1,287	1,367	1,770
80%	2,049	1,769	1,795	1,803	2,274	2,110	2,608	2,585	1,420	1,184	1,267	1,687
90%	1,644	1,637	1,636	1,625	2,154	1,838	2,043	1,941	1,077	956	1,086	1,489
Long Term												
Full Simulation Period[a]	2,639	2,448	3,219	4,777	6,388	6,648	6,351	6,148	4,583	3,239	2,072	2,338
Water Year Types[b]												
Wet (32%)	2,760	2,534	4,370	9,089	12,750	14,374	11,955	12,109	11,058	7,654	3,539	3,519
Above Normal (15%)	2,745	3,182	4,711	5,447	6,965	6,284	6,014	5,381	2,965	1,958	2,000	2,355
Below Normal (17%)	2,502	2,150	2,182	2,326	2,983	2,949	4,490	4,074	2,051	1,491	1,460	1,829
Dry (22%)	2,945	2,272	2,129	2,270	2,590	2,479	3,656	3,308	1,537	1,295	1,375	1,796
Critical (15%)	2,213	1,968	1,729	1,667	2,120	1,813	1,983	1,964	1,020	898	1,007	1,402

Alternative 6A,6B,6C (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,313	2,830	4,424	10,920	15,279	15,920	13,811	12,872	5,807	4,146	2,716	3,124
20%	2,932	2,655	2,802	5,317	8,768	8,740	8,508	6,690	3,980	2,454	2,155	2,520
30%	2,829	2,267	2,431	3,272	6,071	7,433	6,511	5,329	3,071	1,967	1,796	2,252
40%	2,674	2,134	2,138	2,614	4,880	4,228	5,559	5,089	2,539	1,773	1,634	2,081
50%	2,438	1,994	2,053	2,415	3,153	2,861	4,882	4,507	2,177	1,504	1,490	1,891
60%	2,177	1,929	1,944	2,315	2,496	2,430	3,405	3,307	1,738	1,361	1,404	1,793
70%	2,009	1,828	1,858	2,038	2,190	2,137	3,174	2,707	1,298	1,103	1,223	1,644
80%	1,878	1,737	1,727	1,764	1,998	1,833	2,419	2,325	1,161	1,003	1,159	1,527
90%	1,386	1,608	1,567	1,587	1,833	1,658	1,625	1,767	1,037	887	1,058	1,420
Long Term												
Full Simulation Period[a]	2,518	2,384	3,229	5,069	6,354	6,758	6,267	6,054	3,210	2,176	1,707	2,141
Water Year Types[b]												
Wet (32%)	2,739	2,418	4,550	9,768	13,199	15,240	12,392	12,597	6,857	4,339	2,643	3,126
Above Normal (15%)	2,594	3,202	4,655	6,067	6,745	6,336	6,025	5,085	2,658	1,798	1,697	2,163
Below Normal (17%)	2,343	2,053	2,072	2,300	2,777	2,475	3,921	3,654	1,866	1,374	1,371	1,746
Dry (22%)	2,791	2,244	2,099	2,216	2,245	2,145	3,109	2,815	1,285	1,080	1,219	1,640
Critical (15%)	2,031	1,898	1,680	1,591	1,942	1,687	1,791	1,790	950	851	981	1,366

Alternative 6A,6B,6C (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-284	-72	61	1,234	-314	1,445	851	-654	-6,129	-3,143	-465	-188
20%	-243	60	-42	201	-779	-378	706	-979	-3,070	-1,210	-678	-284
30%	-146	-133	112	-1	-87	-178	-58	-283	-280	-156	-604	-305
40%	-133	-108	-5	133	475	-1,667	-118	-86	-353	-74	-141	-196
50%	-108	-77	-10	18	-324	-364	-337	134	-190	-137	-51	-70
60%	-137	-53	-40	115	-7	-287	-789	-473	-123	-78	-50	-60
70%	-188	-47	-5	-33	-164	-156	-255	-586	-231	-184	-144	-126
80%	-171	-32	-68	-39	-276	-276	-189	-259	-259	-181	-108	-160
90%	-258	-29	-70	-38	-321	-180	-417	-174	-40	-69	-29	-69
Long Term												
Full Simulation Period[a]	-121	-64	10	292	-33	111	-84	-94	-1,372	-1,063	-365	-197
Water Year Types[b]												
Wet (32%)	-20	-116	180	679	449	865	438	488	-4,201	-3,315	-896	-393
Above Normal (15%)	-151	20	-56	620	-220	52	11	-297	-306	-160	-304	-191
Below Normal (17%)	-159	-97	-110	-26	-205	-473	-569	-419	-185	-117	-88	-82
Dry (22%)	-154	-28	-30	-54	-345	-334	-547	-494	-253	-215	-156	-156
Critical (15%)	-182	-71	-49	-76	-178	-126	-192	-174	-71	-48	-27	-36

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the San Joaquin River Basin 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-23-11. San Joaquin River at Vernalis, Monthly Flow

Existing Condition

Statistic	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,596	2,902	4,363	9,686	15,593	14,474	12,960	13,526	11,935	7,289	3,181	3,312
20%	3,175	2,595	2,845	5,116	9,547	9,119	7,803	7,669	7,050	3,664	2,833	2,804
30%	2,975	2,399	2,319	3,273	6,158	7,611	6,570	5,613	3,351	2,124	2,400	2,557
40%	2,807	2,243	2,143	2,481	4,405	5,894	5,677	5,175	2,892	1,847	1,775	2,277
50%	2,546	2,071	2,064	2,396	3,477	3,225	5,220	4,372	2,367	1,641	1,541	1,961
60%	2,314	1,981	1,983	2,200	2,503	2,717	4,194	3,780	1,861	1,439	1,454	1,854
70%	2,196	1,876	1,863	2,071	2,354	2,293	3,429	3,293	1,529	1,287	1,367	1,770
80%	2,049	1,769	1,795	1,803	2,274	2,110	2,608	2,585	1,420	1,184	1,267	1,687
90%	1,644	1,637	1,636	1,625	2,154	1,838	2,043	1,941	1,077	956	1,086	1,489
Long Term												
Full Simulation Period[a]	2,639	2,448	3,219	4,777	6,388	6,648	6,351	6,148	4,583	3,239	2,072	2,338
Water Year Types[b]												
Wet (32%)	2,760	2,534	4,370	9,089	12,750	14,374	11,955	12,109	11,058	7,654	3,539	3,519
Above Normal (15%)	2,745	3,182	4,711	5,447	6,965	6,284	6,014	5,381	2,965	1,958	2,000	2,355
Below Normal (17%)	2,502	2,150	2,182	2,326	2,983	2,949	4,490	4,074	2,051	1,491	1,460	1,829
Dry (22%)	2,945	2,272	2,129	2,270	2,590	2,479	3,656	3,308	1,537	1,295	1,375	1,796
Critical (15%)	2,213	1,968	1,729	1,667	2,120	1,813	1,983	1,964	1,020	898	1,007	1,402

Alternative 7 (LLT)

Statistic	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,313	2,803	3,673	10,920	15,281	15,916	14,374	13,497	5,716	4,146	2,716	3,124
20%	2,933	2,615	3,004	5,034	8,770	8,823	8,509	6,690	3,982	2,450	2,155	2,522
30%	2,829	2,250	2,422	3,272	6,068	7,433	6,511	5,333	3,071	1,967	1,797	2,252
40%	2,675	2,134	2,141	2,616	4,749	4,227	5,558	5,088	2,538	1,779	1,634	2,077
50%	2,438	1,994	2,087	2,420	3,190	2,861	4,882	4,500	2,178	1,502	1,489	1,891
60%	2,177	1,929	1,965	2,316	2,496	2,431	3,386	3,307	1,738	1,361	1,406	1,793
70%	2,009	1,828	1,868	2,042	2,189	2,138	3,174	2,711	1,300	1,103	1,223	1,643
80%	1,878	1,738	1,727	1,792	1,998	1,831	2,419	2,326	1,161	997	1,159	1,527
90%	1,386	1,607	1,567	1,587	1,833	1,658	1,625	1,779	1,033	887	1,058	1,420
Long Term												
Full Simulation Period[a]	2,509	2,380	3,230	5,049	6,339	6,765	6,284	6,061	3,205	2,177	1,706	2,141
Water Year Types[b]												
Wet (32%)	2,709	2,418	4,536	9,754	13,169	15,243	12,452	12,620	6,837	4,338	2,643	3,126
Above Normal (15%)	2,594	3,194	4,605	6,015	6,674	6,363	6,024	5,084	2,658	1,798	1,697	2,163
Below Normal (17%)	2,347	2,029	2,061	2,256	2,824	2,476	3,921	3,655	1,867	1,376	1,372	1,746
Dry (22%)	2,791	2,251	2,187	2,226	2,245	2,145	3,106	2,816	1,284	1,083	1,219	1,640
Critical (15%)	2,027	1,898	1,693	1,591	1,941	1,687	1,792	1,791	951	852	977	1,367

Alternative 7 (LLT) minus Existing Condition

Statistic	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-284	-100	-690	1,233	-312	1,442	1,414	-29	-6,219	-3,143	-465	-188
20%	-242	20	160	-82	-777	-296	706	-978	-3,068	-1,214	-678	-282
30%	-146	-149	103	-1	-90	-178	-58	-280	-281	-156	-603	-305
40%	-133	-108	-3	135	344	-1,667	-119	-86	-354	-68	-141	-200
50%	-108	-77	23	24	-287	-364	-338	128	-189	-139	-52	-71
60%	-137	-52	-19	116	-6	-287	-808	-473	-123	-78	-48	-61
70%	-187	-48	6	-28	-166	-155	-255	-582	-229	-184	-144	-127
80%	-171	-31	-68	-11	-276	-278	-189	-259	-259	-188	-108	-160
90%	-259	-29	-70	-38	-321	-180	-417	-162	-43	-69	-29	-69
Long Term												
Full Simulation Period[a]	-129	-68	11	273	-49	117	-67	-87	-1,378	-1,063	-366	-197
Water Year Types[b]												
Wet (32%)	-51	-116	166	665	419	869	497	511	-4,221	-3,316	-896	-393
Above Normal (15%)	-151	12	-106	568	-291	79	10	-297	-307	-160	-304	-191
Below Normal (17%)	-155	-121	-121	-70	-158	-473	-569	-419	-184	-115	-88	-82
Dry (22%)	-154	-21	58	-44	-345	-334	-550	-492	-253	-212	-156	-156
Critical (15%)	-185	-71	-36	-76	-178	-126	-191	-174	-70	-47	-30	-36

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the San Joaquin River Basin 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-23-12. San Joaquin River at Vernalis, Monthly Flow

Existing Condition

Statistic	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,596	2,902	4,363	9,686	15,593	14,474	12,960	13,526	11,935	7,289	3,181	3,312
20%	3,175	2,595	2,845	5,116	9,547	9,119	7,803	7,669	7,050	3,664	2,833	2,804
30%	2,975	2,399	2,319	3,273	6,158	7,611	6,570	5,613	3,351	2,124	2,400	2,557
40%	2,807	2,243	2,143	2,481	4,405	5,894	5,677	5,175	2,892	1,847	1,775	2,277
50%	2,546	2,071	2,064	2,396	3,477	3,225	5,220	4,372	2,367	1,641	1,541	1,961
60%	2,314	1,981	1,983	2,200	2,503	2,717	4,194	3,780	1,861	1,439	1,454	1,854
70%	2,196	1,876	1,863	2,071	2,354	2,293	3,429	3,293	1,529	1,287	1,367	1,770
80%	2,049	1,769	1,795	1,803	2,274	2,110	2,608	2,585	1,420	1,184	1,267	1,687
90%	1,644	1,637	1,636	1,625	2,154	1,838	2,043	1,941	1,077	956	1,086	1,489
Long Term												
Full Simulation Period[a]	2,639	2,448	3,219	4,777	6,388	6,648	6,351	6,148	4,583	3,239	2,072	2,338
Water Year Types[b]												
Wet (32%)	2,760	2,534	4,370	9,089	12,750	14,374	11,955	12,109	11,058	7,654	3,539	3,519
Above Normal (15%)	2,745	3,182	4,711	5,447	6,965	6,284	6,014	5,381	2,965	1,958	2,000	2,355
Below Normal (17%)	2,502	2,150	2,182	2,326	2,983	2,949	4,490	4,074	2,051	1,491	1,460	1,829
Dry (22%)	2,945	2,272	2,129	2,270	2,590	2,479	3,656	3,308	1,537	1,295	1,375	1,796
Critical (15%)	2,213	1,968	1,729	1,667	2,120	1,813	1,983	1,964	1,020	898	1,007	1,402

Alternative 8 (LLT)

Statistic	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,313	2,812	4,497	10,924	15,194	15,914	14,395	13,503	5,715	4,146	2,715	3,124
20%	2,932	2,523	3,005	5,037	8,762	8,759	8,509	6,691	3,982	2,453	2,155	2,522
30%	2,829	2,261	2,428	3,271	6,071	7,433	6,511	5,331	3,071	1,966	1,799	2,250
40%	2,675	2,134	2,141	2,639	4,797	4,227	5,558	5,086	2,538	1,776	1,634	2,077
50%	2,438	1,994	2,059	2,426	3,299	2,861	4,882	4,502	2,176	1,499	1,489	1,890
60%	2,177	1,929	1,935	2,346	2,496	2,431	3,385	3,308	1,735	1,372	1,396	1,791
70%	2,008	1,828	1,858	2,018	2,189	2,138	3,174	2,709	1,300	1,103	1,214	1,642
80%	1,878	1,737	1,727	1,766	1,998	1,833	2,419	2,316	1,161	999	1,160	1,527
90%	1,386	1,608	1,567	1,587	1,833	1,658	1,625	1,779	1,032	879	1,058	1,420
Long Term												
Full Simulation Period[a]	2,511	2,364	3,251	5,064	6,348	6,759	6,284	6,061	3,206	2,176	1,704	2,140
Water Year Types[b]												
Wet (32%)	2,722	2,418	4,584	9,785	13,161	15,244	12,455	12,621	6,843	4,337	2,643	3,126
Above Normal (15%)	2,584	3,083	4,654	6,077	6,704	6,335	6,024	5,085	2,658	1,798	1,697	2,163
Below Normal (17%)	2,343	2,064	2,079	2,226	2,837	2,476	3,919	3,653	1,864	1,371	1,368	1,745
Dry (22%)	2,790	2,253	2,169	2,239	2,270	2,145	3,106	2,817	1,284	1,089	1,219	1,640
Critical (15%)	2,030	1,897	1,680	1,572	1,942	1,686	1,790	1,791	950	851	970	1,366

Alternative 8 (LLT) minus Existing Condition

Statistic	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-284	-91	134	1,238	-399	1,439	1,436	-22	-6,220	-3,143	-466	-188
20%	-243	-72	160	-79	-785	-360	707	-977	-3,069	-1,211	-678	-283
30%	-146	-139	109	-2	-87	-178	-58	-282	-280	-158	-601	-307
40%	-132	-108	-3	158	392	-1,667	-119	-88	-354	-71	-141	-200
50%	-108	-77	-4	29	-178	-364	-338	129	-191	-142	-52	-71
60%	-137	-52	-48	146	-7	-287	-809	-472	-126	-67	-58	-63
70%	-188	-47	-5	-53	-165	-155	-255	-585	-228	-184	-153	-128
80%	-171	-32	-68	-38	-276	-276	-189	-268	-259	-185	-107	-160
90%	-258	-29	-70	-38	-321	-180	-417	-162	-44	-76	-29	-69
Long Term												
Full Simulation Period[a]	-128	-84	32	287	-39	112	-67	-86	-1,377	-1,063	-368	-197
Water Year Types[b]												
Wet (32%)	-37	-116	214	696	411	869	501	512	-4,215	-3,317	-896	-393
Above Normal (15%)	-161	-99	-57	630	-261	51	10	-297	-306	-160	-304	-191
Below Normal (17%)	-159	-86	-103	-100	-145	-473	-571	-420	-187	-120	-92	-84
Dry (22%)	-155	-19	40	-31	-321	-334	-550	-491	-253	-206	-155	-156
Critical (15%)	-182	-71	-49	-95	-178	-127	-193	-174	-70	-48	-37	-36

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the San Joaquin River Basin 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-23-13. San Joaquin River at Vernalis, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,596	2,902	4,363	9,686	15,593	14,474	12,960	13,526	11,935	7,289	3,181	3,312
20%	3,175	2,595	2,845	5,116	9,547	9,119	7,803	7,669	7,050	3,664	2,833	2,804
30%	2,975	2,399	2,319	3,273	6,158	7,611	6,570	5,613	3,351	2,124	2,400	2,557
40%	2,807	2,243	2,143	2,481	4,405	5,894	5,677	5,175	2,892	1,847	1,775	2,277
50%	2,546	2,071	2,064	2,396	3,477	3,225	5,220	4,372	2,367	1,641	1,541	1,961
60%	2,314	1,981	1,983	2,200	2,503	2,717	4,194	3,780	1,861	1,439	1,454	1,854
70%	2,196	1,876	1,863	2,071	2,354	2,293	3,429	3,293	1,529	1,287	1,367	1,770
80%	2,049	1,769	1,795	1,803	2,274	2,110	2,608	2,585	1,420	1,184	1,267	1,687
90%	1,644	1,637	1,636	1,625	2,154	1,838	2,043	1,941	1,077	956	1,086	1,489
Long Term												
Full Simulation Period[a]	2,639	2,448	3,219	4,777	6,388	6,648	6,351	6,148	4,583	3,239	2,072	2,338
Water Year Types[b]												
Wet (32%)	2,760	2,534	4,370	9,089	12,750	14,374	11,955	12,109	11,058	7,654	3,539	3,519
Above Normal (15%)	2,745	3,182	4,711	5,447	6,965	6,284	6,014	5,381	2,965	1,958	2,000	2,355
Below Normal (17%)	2,502	2,150	2,182	2,326	2,983	2,949	4,490	4,074	2,051	1,491	1,460	1,829
Dry (22%)	2,945	2,272	2,129	2,270	2,590	2,479	3,656	3,308	1,537	1,295	1,375	1,796
Critical (15%)	2,213	1,968	1,729	1,667	2,120	1,813	1,983	1,964	1,020	898	1,007	1,402

Alternative 9 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,312	2,830	4,595	10,921	15,357	15,912	14,367	13,471	5,713	4,145	2,714	3,123
20%	2,933	2,677	2,814	4,718	8,794	8,835	8,639	6,691	3,981	2,463	2,155	2,521
30%	2,830	2,261	2,393	3,473	6,072	7,434	6,514	5,335	3,073	1,965	1,803	2,253
40%	2,688	2,135	2,141	2,661	4,880	4,228	5,560	5,092	2,544	1,776	1,634	2,080
50%	2,440	1,994	2,053	2,415	3,306	2,861	4,882	4,505	2,181	1,508	1,494	1,894
60%	2,179	1,929	1,935	2,317	2,445	2,431	3,387	3,311	1,740	1,386	1,401	1,791
70%	2,010	1,828	1,858	2,038	2,192	2,139	3,177	2,714	1,302	1,103	1,225	1,644
80%	1,878	1,738	1,727	1,792	1,998	1,831	2,423	2,326	1,162	998	1,165	1,527
90%	1,386	1,608	1,567	1,588	1,833	1,658	1,625	1,787	1,031	884	1,064	1,422
Long Term												
Full Simulation Period[a]	2,511	2,384	3,231	5,055	6,359	6,766	6,290	6,067	3,207	2,182	1,709	2,144
Water Year Types[b]												
Wet (32%)	2,712	2,418	4,580	9,778	13,202	15,245	12,455	12,630	6,826	4,344	2,643	3,126
Above Normal (15%)	2,595	3,195	4,574	6,037	6,722	6,365	6,043	5,091	2,678	1,801	1,699	2,164
Below Normal (17%)	2,348	2,052	2,073	2,241	2,808	2,476	3,923	3,658	1,871	1,383	1,376	1,749
Dry (22%)	2,791	2,253	2,155	2,204	2,271	2,145	3,110	2,820	1,289	1,094	1,224	1,642
Critical (15%)	2,031	1,898	1,681	1,592	1,941	1,687	1,794	1,795	952	853	983	1,379

Alternative 9 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-284	-72	232	1,234	-236	1,438	1,408	-54	-6,222	-3,144	-467	-189
20%	-242	82	-30	-398	-752	-284	836	-977	-3,069	-1,201	-678	-283
30%	-145	-139	74	200	-86	-177	-55	-277	-278	-158	-597	-305
40%	-119	-108	-3	179	475	-1,667	-117	-83	-348	-71	-141	-197
50%	-106	-77	-10	18	-171	-364	-338	133	-186	-132	-47	-68
60%	-135	-52	-48	117	-58	-286	-807	-470	-121	-53	-52	-63
70%	-187	-47	-5	-33	-162	-154	-253	-580	-227	-184	-142	-126
80%	-171	-32	-68	-11	-276	-278	-184	-259	-258	-186	-102	-160
90%	-258	-29	-69	-37	-321	-180	-417	-154	-46	-72	-23	-66
Long Term												
Full Simulation Period[a]	-128	-64	12	278	-28	118	-61	-81	-1,376	-1,058	-363	-194
Water Year Types[b]												
Wet (32%)	-48	-115	210	689	452	871	501	521	-4,231	-3,311	-895	-392
Above Normal (15%)	-150	13	-137	590	-243	80	29	-291	-287	-157	-302	-190
Below Normal (17%)	-154	-98	-109	-85	-174	-473	-567	-416	-180	-108	-84	-80
Dry (22%)	-154	-20	26	-66	-320	-334	-547	-488	-249	-202	-151	-154
Critical (15%)	-182	-70	-48	-76	-179	-126	-189	-169	-68	-45	-24	-23

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the San Joaquin River Basin 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-23-14. San Joaquin River at Vernalis, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,313	2,812	4,087	10,918	15,352	15,914	14,360	13,477	5,717	4,146	2,716	3,124
20%	2,932	2,406	2,806	4,719	8,794	8,835	8,640	6,693	3,981	2,461	2,155	2,521
30%	2,830	2,231	2,392	3,187	6,061	7,433	6,513	5,338	3,077	1,968	1,807	2,252
40%	2,689	2,128	2,138	2,637	4,880	4,228	5,560	5,089	2,542	1,779	1,634	2,079
50%	2,439	1,994	2,070	2,371	3,296	2,861	4,882	4,511	2,180	1,506	1,492	1,893
60%	2,179	1,929	1,957	2,298	2,496	2,431	3,386	3,309	1,743	1,388	1,397	1,791
70%	2,010	1,829	1,868	2,017	2,192	2,139	3,177	2,715	1,303	1,108	1,221	1,644
80%	1,878	1,737	1,727	1,792	1,998	1,834	2,430	2,326	1,162	1,014	1,167	1,527
90%	1,386	1,608	1,567	1,588	1,833	1,658	1,634	1,789	1,038	884	1,066	1,423
Long Term												
Full Simulation Period[a]	2,515	2,367	3,211	5,018	6,361	6,763	6,291	6,069	3,206	2,184	1,710	2,144
Water Year Types[b]												
Wet (32%)	2,726	2,411	4,504	9,681	13,191	15,235	12,457	12,632	6,820	4,345	2,645	3,127
Above Normal (15%)	2,595	3,193	4,567	6,011	6,721	6,364	6,042	5,092	2,678	1,801	1,699	2,164
Below Normal (17%)	2,348	1,997	2,065	2,220	2,841	2,476	3,922	3,657	1,870	1,381	1,375	1,748
Dry (22%)	2,790	2,217	2,166	2,202	2,269	2,146	3,112	2,823	1,291	1,100	1,225	1,643
Critical (15%)	2,031	1,898	1,694	1,592	1,941	1,688	1,796	1,798	956	858	987	1,378

Alternative 1A,1B,1C (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,313	2,812	3,655	10,917	15,351	15,911	14,364	13,474	5,717	4,148	2,716	3,125
20%	2,933	2,517	2,966	5,034	8,795	8,835	8,642	6,694	3,989	2,481	2,157	2,525
30%	2,832	2,248	2,420	3,458	6,059	7,434	6,514	5,340	3,078	1,969	1,814	2,256
40%	2,688	2,135	2,145	2,627	4,793	4,228	5,560	5,094	2,549	1,785	1,635	2,083
50%	2,442	1,994	2,092	2,417	3,155	2,861	4,882	4,513	2,182	1,512	1,504	1,898
60%	2,179	1,929	1,966	2,326	2,497	2,431	3,387	3,313	1,744	1,400	1,413	1,794
70%	2,010	1,829	1,869	2,040	2,192	2,140	3,180	2,715	1,302	1,118	1,232	1,646
80%	1,879	1,738	1,727	1,765	1,998	1,833	2,430	2,328	1,165	1,023	1,163	1,530
90%	1,386	1,608	1,567	1,588	1,833	1,658	1,634	1,792	1,036	880	1,065	1,428
Long Term												
Full Simulation Period[a]	2,521	2,378	3,230	5,067	6,352	6,763	6,292	6,072	3,209	2,190	1,715	2,146
Water Year Types[b]												
Wet (32%)	2,744	2,418	4,556	9,811	13,196	15,234	12,458	12,636	6,822	4,350	2,648	3,129
Above Normal (15%)	2,596	3,208	4,593	6,011	6,680	6,365	6,044	5,094	2,682	1,808	1,704	2,167
Below Normal (17%)	2,349	1,997	2,060	2,255	2,849	2,476	3,924	3,662	1,876	1,392	1,383	1,752
Dry (22%)	2,792	2,253	2,163	2,236	2,246	2,146	3,113	2,825	1,295	1,107	1,230	1,645
Critical (15%)	2,032	1,898	1,694	1,592	1,943	1,688	1,797	1,799	956	860	988	1,379

Alternative 1A,1B,1C (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	-433	-1	0	-2	4	-3	0	2	0	1
20%	1	111	161	315	1	-1	2	2	8	20	2	4
30%	2	17	28	271	-2	1	1	3	1	2	7	4
40%	-1	7	7	-10	-87	0	0	5	7	7	2	4
50%	3	0	23	46	-141	1	0	2	2	6	12	5
60%	1	0	9	29	1	0	1	4	1	13	16	3
70%	0	0	0	23	0	1	2	0	0	10	11	3
80%	1	1	0	-27	0	0	0	2	3	9	-4	2
90%	0	0	0	1	0	0	0	2	-1	-4	0	5
Long Term												
Full Simulation Period[a]	6	10	19	49	-9	0	1	3	3	6	4	2
Water Year Types[b]												
Wet (32%)	18	6	52	130	5	-1	1	3	2	5	3	2
Above Normal (15%)	1	14	26	0	-41	0	1	2	4	7	5	2
Below Normal (17%)	1	0	-4	35	8	0	2	5	6	11	8	4
Dry (22%)	1	35	-3	35	-24	0	1	2	4	7	4	2
Critical (15%)	1	0	0	0	1	0	1	1	1	2	1	1

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the San Joaquin River Basin 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-23-15. San Joaquin River at Vernalis, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,313	2,812	4,087	10,918	15,352	15,914	14,360	13,477	5,717	4,146	2,716	3,124
20%	2,932	2,406	2,806	4,719	8,794	8,835	8,640	6,693	3,981	2,461	2,155	2,521
30%	2,830	2,231	2,392	3,187	6,061	7,433	6,513	5,338	3,077	1,968	1,807	2,252
40%	2,689	2,128	2,138	2,637	4,880	4,228	5,560	5,089	2,542	1,779	1,634	2,079
50%	2,439	1,994	2,070	2,371	3,296	2,861	4,882	4,511	2,180	1,506	1,492	1,893
60%	2,179	1,929	1,957	2,298	2,496	2,431	3,386	3,309	1,743	1,388	1,397	1,791
70%	2,010	1,829	1,868	2,017	2,192	2,139	3,177	2,715	1,303	1,108	1,221	1,644
80%	1,878	1,737	1,727	1,792	1,998	1,834	2,430	2,326	1,162	1,014	1,167	1,527
90%	1,386	1,608	1,567	1,588	1,833	1,658	1,634	1,789	1,038	884	1,066	1,423
Long Term												
Full Simulation Period[a]	2,515	2,367	3,211	5,018	6,361	6,763	6,291	6,069	3,206	2,184	1,710	2,144
Water Year Types[b]												
Wet (32%)	2,726	2,411	4,504	9,681	13,191	15,235	12,457	12,632	6,820	4,345	2,645	3,127
Above Normal (15%)	2,595	3,193	4,567	6,011	6,721	6,364	6,042	5,092	2,678	1,801	1,699	2,164
Below Normal (17%)	2,348	1,997	2,065	2,220	2,841	2,476	3,922	3,657	1,870	1,381	1,375	1,748
Dry (22%)	2,790	2,217	2,166	2,202	2,269	2,146	3,112	2,823	1,291	1,100	1,225	1,643
Critical (15%)	2,031	1,898	1,694	1,592	1,941	1,688	1,796	1,798	956	858	987	1,378

Alternative 2A,2B,2C (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,313	2,812	4,421	10,915	15,353	15,922	14,365	13,475	5,718	4,147	2,716	3,125
20%	2,933	2,406	2,808	4,914	8,795	8,835	8,640	6,693	3,988	2,465	2,157	2,525
30%	2,831	2,231	2,324	3,264	6,061	7,434	6,512	5,334	3,078	1,969	1,803	2,255
40%	2,689	2,128	2,141	2,579	4,748	4,228	5,560	5,091	2,547	1,783	1,634	2,082
50%	2,439	1,994	2,026	2,383	3,289	2,861	4,882	4,506	2,181	1,513	1,493	1,894
60%	2,179	1,929	1,936	2,204	2,431	2,431	3,386	3,310	1,744	1,390	1,409	1,794
70%	2,010	1,829	1,858	2,038	2,192	2,139	3,178	2,714	1,304	1,108	1,232	1,645
80%	1,878	1,738	1,727	1,764	1,998	1,834	2,430	2,326	1,162	1,019	1,168	1,529
90%	1,386	1,608	1,567	1,588	1,833	1,658	1,634	1,786	1,039	880	1,065	1,423
Long Term												
Full Simulation Period[a]	2,502	2,370	3,214	5,009	6,348	6,762	6,292	6,069	3,207	2,186	1,712	2,145
Water Year Types[b]												
Wet (32%)	2,681	2,415	4,511	9,689	13,181	15,230	12,462	12,633	6,820	4,348	2,647	3,128
Above Normal (15%)	2,595	3,202	4,601	5,968	6,678	6,365	6,043	5,092	2,680	1,805	1,702	2,166
Below Normal (17%)	2,348	1,995	2,062	2,182	2,853	2,476	3,923	3,659	1,873	1,387	1,379	1,750
Dry (22%)	2,791	2,220	2,153	2,222	2,245	2,146	3,112	2,823	1,292	1,101	1,226	1,643
Critical (15%)	2,028	1,898	1,681	1,591	1,942	1,688	1,796	1,797	956	858	987	1,379

Alternative 2A,2B,2C (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	334	-4	1	9	4	-2	0	1	0	0
20%	1	0	2	195	0	0	0	0	7	4	2	3
30%	1	0	-68	77	0	0	-1	-4	1	1	-3	3
40%	0	0	3	-59	-132	0	0	3	5	5	0	3
50%	0	0	-44	12	-7	0	0	-5	1	7	1	0
60%	1	0	-21	-94	-65	0	0	1	1	2	12	3
70%	0	0	-10	20	0	0	0	0	1	0	11	1
80%	0	0	0	-28	0	0	0	0	0	5	1	2
90%	0	0	0	0	0	0	0	-3	1	-4	-1	0
Long Term												
Full Simulation Period[a]	-13	3	3	-9	-13	-1	2	1	1	3	2	1
Water Year Types[b]												
Wet (32%)	-45	4	7	8	-10	-5	5	1	0	3	2	1
Above Normal (15%)	0	9	34	-42	-43	0	0	0	2	4	3	1
Below Normal (17%)	1	-1	-3	-38	13	0	1	3	3	6	4	2
Dry (22%)	1	2	-13	21	-24	0	0	1	1	1	1	0
Critical (15%)	-3	0	-13	0	1	0	0	-1	0	0	0	1

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the San Joaquin River Basin 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-23-16. San Joaquin River at Vernalis, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,313	2,812	4,087	10,918	15,352	15,914	14,360	13,477	5,717	4,146	2,716	3,124
20%	2,932	2,406	2,806	4,719	8,794	8,835	8,640	6,693	3,981	2,461	2,155	2,521
30%	2,830	2,231	2,392	3,187	6,061	7,433	6,513	5,338	3,077	1,968	1,807	2,252
40%	2,689	2,128	2,138	2,637	4,880	4,228	5,560	5,089	2,542	1,779	1,634	2,079
50%	2,439	1,994	2,070	2,371	3,296	2,861	4,882	4,511	2,180	1,506	1,492	1,893
60%	2,179	1,929	1,957	2,298	2,496	2,431	3,386	3,309	1,743	1,388	1,397	1,791
70%	2,010	1,829	1,868	2,017	2,192	2,139	3,177	2,715	1,303	1,108	1,221	1,644
80%	1,878	1,737	1,727	1,792	1,998	1,834	2,430	2,326	1,162	1,014	1,167	1,527
90%	1,386	1,608	1,567	1,588	1,833	1,658	1,634	1,789	1,038	884	1,066	1,423
Long Term												
Full Simulation Period[a]	2,515	2,367	3,211	5,018	6,361	6,763	6,291	6,069	3,206	2,184	1,710	2,144
Water Year Types[b]												
Wet (32%)	2,726	2,411	4,504	9,681	13,191	15,235	12,457	12,632	6,820	4,345	2,645	3,127
Above Normal (15%)	2,595	3,193	4,567	6,011	6,721	6,364	6,042	5,092	2,678	1,801	1,699	2,164
Below Normal (17%)	2,348	1,997	2,065	2,220	2,841	2,476	3,922	3,657	1,870	1,381	1,375	1,748
Dry (22%)	2,790	2,217	2,166	2,202	2,269	2,146	3,112	2,823	1,291	1,100	1,225	1,643
Critical (15%)	2,031	1,898	1,694	1,592	1,941	1,688	1,796	1,798	956	858	987	1,378

Alternative 3 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,313	2,799	3,665	10,913	15,354	15,911	14,368	13,485	5,717	4,148	2,716	3,125
20%	2,933	2,407	2,908	5,033	8,795	8,835	8,642	6,694	3,989	2,481	2,157	2,525
30%	2,832	2,248	2,428	3,344	6,062	7,434	6,514	5,340	3,077	1,970	1,813	2,256
40%	2,688	2,135	2,141	2,671	4,861	4,228	5,560	5,094	2,549	1,784	1,635	2,083
50%	2,442	1,994	2,083	2,415	3,155	2,861	4,882	4,513	2,181	1,512	1,503	1,898
60%	2,179	1,929	1,947	2,336	2,497	2,432	3,387	3,313	1,745	1,400	1,413	1,794
70%	2,010	1,829	1,858	2,021	2,192	2,140	3,179	2,713	1,302	1,118	1,232	1,646
80%	1,879	1,738	1,727	1,765	1,998	1,834	2,430	2,328	1,163	1,023	1,162	1,530
90%	1,386	1,608	1,567	1,588	1,833	1,658	1,634	1,791	1,036	880	1,065	1,428
Long Term												
Full Simulation Period[a]	2,521	2,367	3,227	5,056	6,354	6,765	6,289	6,072	3,209	2,190	1,714	2,146
Water Year Types[b]												
Wet (32%)	2,744	2,418	4,547	9,794	13,195	15,242	12,449	12,638	6,823	4,350	2,648	3,129
Above Normal (15%)	2,596	3,154	4,585	5,988	6,693	6,365	6,043	5,094	2,681	1,807	1,704	2,166
Below Normal (17%)	2,349	1,997	2,083	2,248	2,845	2,476	3,924	3,661	1,875	1,391	1,382	1,752
Dry (22%)	2,792	2,253	2,163	2,236	2,246	2,146	3,113	2,825	1,295	1,107	1,230	1,645
Critical (15%)	2,032	1,898	1,681	1,592	1,942	1,688	1,796	1,798	956	860	988	1,380

Alternative 3 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	-12	-422	-5	2	-2	8	8	0	2	0	1
20%	1	0	102	314	1	-1	2	1	8	20	2	4
30%	2	17	36	157	1	1	1	2	1	2	7	4
40%	-1	7	3	34	-19	0	0	5	7	6	2	4
50%	3	0	13	45	-141	1	0	2	1	7	11	5
60%	0	0	-10	38	1	0	1	4	2	13	16	3
70%	0	0	-10	4	0	1	2	-1	-1	10	11	3
80%	1	1	0	-27	0	0	0	2	1	9	-5	3
90%	0	0	0	1	0	0	0	2	-1	-4	-1	5
Long Term												
Full Simulation Period[a]	6	0	16	38	-7	2	-2	3	3	6	4	2
Water Year Types[b]												
Wet (32%)	18	6	43	112	4	7	-8	5	3	5	4	2
Above Normal (15%)	1	-39	18	-23	-28	0	1	2	3	6	5	2
Below Normal (17%)	1	0	18	28	4	0	1	5	6	11	8	4
Dry (22%)	1	35	-3	34	-24	0	1	2	5	7	5	2
Critical (15%)	1	0	-13	0	1	0	0	0	1	2	1	2

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the San Joaquin River Basin 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-23-17. San Joaquin River at Vernalis, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,313	2,812	4,087	10,918	15,352	15,914	14,360	13,477	5,717	4,146	2,716	3,124
20%	2,932	2,406	2,806	4,719	8,794	8,835	8,640	6,693	3,981	2,461	2,155	2,521
30%	2,830	2,231	2,392	3,187	6,061	7,433	6,513	5,338	3,077	1,968	1,807	2,252
40%	2,689	2,128	2,138	2,637	4,880	4,228	5,560	5,089	2,542	1,779	1,634	2,079
50%	2,439	1,994	2,070	2,371	3,296	2,861	4,882	4,511	2,180	1,506	1,492	1,893
60%	2,179	1,929	1,957	2,298	2,496	2,431	3,386	3,309	1,743	1,388	1,397	1,791
70%	2,010	1,829	1,868	2,017	2,192	2,139	3,177	2,715	1,303	1,108	1,221	1,644
80%	1,878	1,737	1,727	1,792	1,998	1,834	2,430	2,326	1,162	1,014	1,167	1,527
90%	1,386	1,608	1,567	1,588	1,833	1,658	1,634	1,789	1,038	884	1,066	1,423
Long Term												
Full Simulation Period[a]	2,515	2,367	3,211	5,018	6,361	6,763	6,291	6,069	3,206	2,184	1,710	2,144
Water Year Types[b]												
Wet (32%)	2,726	2,411	4,504	9,681	13,191	15,235	12,457	12,632	6,820	4,345	2,645	3,127
Above Normal (15%)	2,595	3,193	4,567	6,011	6,721	6,364	6,042	5,092	2,678	1,801	1,699	2,164
Below Normal (17%)	2,348	1,997	2,065	2,220	2,841	2,476	3,922	3,657	1,870	1,381	1,375	1,748
Dry (22%)	2,790	2,217	2,166	2,202	2,269	2,146	3,112	2,823	1,291	1,100	1,225	1,643
Critical (15%)	2,031	1,898	1,694	1,592	1,941	1,688	1,796	1,798	956	858	987	1,378

Alternative 4 H1 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,313	2,812	4,475	10,913	15,309	15,911	14,369	13,479	5,718	4,148	2,716	3,125
20%	2,933	2,521	2,815	4,954	8,795	8,835	8,642	6,693	3,988	2,476	2,157	2,525
30%	2,832	2,248	2,428	3,306	6,059	7,434	6,514	5,340	3,079	1,969	1,806	2,255
40%	2,689	2,135	2,141	2,579	4,748	4,228	5,559	5,094	2,542	1,786	1,634	2,080
50%	2,442	1,994	2,054	2,405	3,155	2,861	4,882	4,511	2,181	1,513	1,503	1,898
60%	2,180	1,929	1,936	2,210	2,470	2,432	3,387	3,313	1,745	1,399	1,412	1,794
70%	2,010	1,829	1,858	2,038	2,192	2,140	3,180	2,716	1,304	1,119	1,230	1,646
80%	1,879	1,738	1,727	1,793	1,998	1,834	2,430	2,329	1,165	1,020	1,168	1,529
90%	1,386	1,608	1,567	1,588	1,833	1,658	1,634	1,791	1,038	886	1,067	1,426
Long Term												
Full Simulation Period[a]	2,503	2,370	3,241	5,024	6,338	6,766	6,289	6,071	3,209	2,190	1,714	2,146
Water Year Types[b]												
Wet (32%)	2,682	2,416	4,555	9,714	13,178	15,246	12,450	12,634	6,822	4,350	2,648	3,129
Above Normal (15%)	2,596	3,170	4,642	5,997	6,677	6,365	6,043	5,093	2,680	1,806	1,703	2,166
Below Normal (17%)	2,349	1,997	2,083	2,195	2,795	2,476	3,924	3,661	1,876	1,392	1,383	1,752
Dry (22%)	2,791	2,253	2,168	2,222	2,245	2,147	3,113	2,825	1,295	1,107	1,230	1,645
Critical (15%)	2,032	1,898	1,681	1,592	1,942	1,688	1,796	1,799	957	861	988	1,380

Alternative 4 H1 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	388	-6	-43	-2	9	2	0	2	0	0
20%	1	115	9	235	1	-1	2	0	7	15	2	4
30%	2	17	37	119	-3	1	1	2	2	1	-1	4
40%	0	7	3	-59	-132	0	-1	5	0	7	1	1
50%	3	0	-16	34	-141	1	0	0	1	8	10	5
60%	1	0	-21	-87	-26	0	0	3	3	12	15	3
70%	0	0	-10	20	0	1	2	1	2	11	9	3
80%	1	1	0	1	0	0	0	3	4	6	1	2
90%	0	0	0	1	0	0	0	1	1	2	1	2
Long Term												
Full Simulation Period[a]	-12	2	30	6	-23	3	-2	2	3	6	4	2
Water Year Types[b]												
Wet (32%)	-44	4	51	33	-13	10	-7	2	1	5	3	2
Above Normal (15%)	1	-23	75	-14	-44	0	0	1	2	5	3	2
Below Normal (17%)	1	0	18	-25	-46	0	1	5	6	11	8	4
Dry (22%)	1	36	2	20	-24	0	1	3	4	7	4	2
Critical (15%)	1	0	-13	0	1	0	0	1	1	3	1	3

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the San Joaquin River Basin 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-23-18. San Joaquin River at Vernalis, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,313	2,812	4,087	10,918	15,352	15,914	14,360	13,477	5,717	4,146	2,716	3,124
20%	2,932	2,406	2,806	4,719	8,794	8,835	8,640	6,693	3,981	2,461	2,155	2,521
30%	2,830	2,231	2,392	3,187	6,061	7,433	6,513	5,338	3,077	1,968	1,807	2,252
40%	2,689	2,128	2,138	2,637	4,880	4,228	5,560	5,089	2,542	1,779	1,634	2,079
50%	2,439	1,994	2,070	2,371	3,296	2,861	4,882	4,511	2,180	1,506	1,492	1,893
60%	2,179	1,929	1,957	2,298	2,496	2,431	3,386	3,309	1,743	1,388	1,397	1,791
70%	2,010	1,829	1,868	2,017	2,192	2,139	3,177	2,715	1,303	1,108	1,221	1,644
80%	1,878	1,737	1,727	1,792	1,998	1,834	2,430	2,326	1,162	1,014	1,167	1,527
90%	1,386	1,608	1,567	1,588	1,833	1,658	1,634	1,789	1,038	884	1,066	1,423
Long Term												
Full Simulation Period[a]	2,515	2,367	3,211	5,018	6,361	6,763	6,291	6,069	3,206	2,184	1,710	2,144
Water Year Types[b]												
Wet (32%)	2,726	2,411	4,504	9,681	13,191	15,235	12,457	12,632	6,820	4,345	2,645	3,127
Above Normal (15%)	2,595	3,193	4,567	6,011	6,721	6,364	6,042	5,092	2,678	1,801	1,699	2,164
Below Normal (17%)	2,348	1,997	2,065	2,220	2,841	2,476	3,922	3,657	1,870	1,381	1,375	1,748
Dry (22%)	2,790	2,217	2,166	2,202	2,269	2,146	3,112	2,823	1,291	1,100	1,225	1,643
Critical (15%)	2,031	1,898	1,694	1,592	1,941	1,688	1,796	1,798	956	858	987	1,378

Alternative 4 H2 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,313	2,745	4,400	10,917	15,343	15,912	14,367	13,476	5,718	4,146	2,716	3,125
20%	2,932	2,405	2,942	5,011	8,795	8,835	8,640	6,694	3,988	2,478	2,157	2,525
30%	2,832	2,248	2,391	3,265	6,059	7,434	6,514	5,339	3,075	1,970	1,805	2,255
40%	2,689	2,135	2,138	2,676	4,881	4,228	5,560	5,092	2,548	1,784	1,635	2,082
50%	2,441	1,994	2,083	2,415	3,155	2,861	4,882	4,526	2,181	1,513	1,500	1,896
60%	2,179	1,929	1,947	2,213	2,431	2,432	3,387	3,311	1,744	1,399	1,413	1,794
70%	2,010	1,829	1,869	2,081	2,192	2,140	3,179	2,716	1,303	1,109	1,225	1,646
80%	1,879	1,738	1,727	1,793	1,998	1,834	2,423	2,329	1,165	1,012	1,168	1,527
90%	1,386	1,608	1,567	1,588	1,833	1,658	1,627	1,793	1,035	885	1,065	1,425
Long Term												
Full Simulation Period[a]	2,516	2,363	3,226	5,053	6,357	6,763	6,291	6,070	3,209	2,188	1,713	2,146
Water Year Types[b]												
Wet (32%)	2,727	2,404	4,525	9,723	13,192	15,235	12,459	12,633	6,825	4,349	2,648	3,128
Above Normal (15%)	2,596	3,154	4,593	6,012	6,765	6,365	6,043	5,095	2,681	1,807	1,703	2,166
Below Normal (17%)	2,348	1,997	2,083	2,327	2,781	2,476	3,924	3,660	1,874	1,389	1,381	1,751
Dry (22%)	2,791	2,250	2,186	2,235	2,245	2,146	3,112	2,824	1,294	1,104	1,228	1,644
Critical (15%)	2,032	1,898	1,684	1,592	1,942	1,687	1,795	1,798	953	857	985	1,380

Alternative 4 H2 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	-67	312	-1	-8	-2	7	-1	0	0	0	0
20%	1	-1	136	292	1	-1	0	2	7	17	2	4
30%	2	17	-1	78	-3	1	1	1	-1	2	-1	4
40%	0	7	0	39	0	0	0	4	6	5	1	4
50%	2	0	13	44	-141	1	0	14	2	7	7	3
60%	1	0	-10	-85	-65	0	1	1	2	11	16	3
70%	0	0	0	63	1	1	2	1	1	1	3	2
80%	0	1	0	1	0	0	-7	3	3	-2	1	0
90%	0	0	0	0	0	0	-7	4	-3	1	-1	2
Long Term												
Full Simulation Period[a]	1	-5	15	35	-4	0	1	2	3	4	3	2
Water Year Types[b]												
Wet (32%)	1	-8	21	42	1	0	2	1	5	4	3	1
Above Normal (15%)	1	-39	26	2	44	0	0	3	3	6	4	2
Below Normal (17%)	1	0	18	107	-59	0	1	3	5	9	6	3
Dry (22%)	1	33	20	33	-24	0	0	1	3	4	3	2
Critical (15%)	1	0	-10	0	1	-1	-1	0	-2	-1	-3	2

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the San Joaquin River Basin 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-23-19. San Joaquin River at Vernalis, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,313	2,812	4,087	10,918	15,352	15,914	14,360	13,477	5,717	4,146	2,716	3,124
20%	2,932	2,406	2,806	4,719	8,794	8,835	8,640	6,693	3,981	2,461	2,155	2,521
30%	2,830	2,231	2,392	3,187	6,061	7,433	6,513	5,338	3,077	1,968	1,807	2,252
40%	2,689	2,128	2,138	2,637	4,880	4,228	5,560	5,089	2,542	1,779	1,634	2,079
50%	2,439	1,994	2,070	2,371	3,296	2,861	4,882	4,511	2,180	1,506	1,492	1,893
60%	2,179	1,929	1,957	2,298	2,496	2,431	3,386	3,309	1,743	1,388	1,397	1,791
70%	2,010	1,829	1,868	2,017	2,192	2,139	3,177	2,715	1,303	1,108	1,221	1,644
80%	1,878	1,737	1,727	1,792	1,998	1,834	2,430	2,326	1,162	1,014	1,167	1,527
90%	1,386	1,608	1,567	1,588	1,833	1,658	1,634	1,789	1,038	884	1,066	1,423
Long Term												
Full Simulation Period[a]	2,515	2,367	3,211	5,018	6,361	6,763	6,291	6,069	3,206	2,184	1,710	2,144
Water Year Types[b]												
Wet (32%)	2,726	2,411	4,504	9,681	13,191	15,235	12,457	12,632	6,820	4,345	2,645	3,127
Above Normal (15%)	2,595	3,193	4,567	6,011	6,721	6,364	6,042	5,092	2,678	1,801	1,699	2,164
Below Normal (17%)	2,348	1,997	2,065	2,220	2,841	2,476	3,922	3,657	1,870	1,381	1,375	1,748
Dry (22%)	2,790	2,217	2,166	2,202	2,269	2,146	3,112	2,823	1,291	1,100	1,225	1,643
Critical (15%)	2,031	1,898	1,694	1,592	1,941	1,688	1,796	1,798	956	858	987	1,378

Alternative 4 H3 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,313	2,799	4,421	10,917	15,349	15,922	14,368	13,478	5,718	4,146	2,716	3,125
20%	2,933	2,406	2,950	4,962	8,795	8,835	8,638	6,693	3,988	2,462	2,157	2,525
30%	2,831	2,248	2,389	3,264	6,061	7,433	6,512	5,334	3,078	1,969	1,803	2,255
40%	2,689	2,135	2,138	2,579	4,818	4,228	5,559	5,090	2,542	1,784	1,634	2,079
50%	2,439	1,994	2,083	2,398	3,154	2,861	4,882	4,506	2,181	1,512	1,493	1,894
60%	2,179	1,929	1,946	2,289	2,469	2,431	3,387	3,310	1,745	1,390	1,410	1,793
70%	2,010	1,829	1,869	2,004	2,192	2,139	3,177	2,713	1,304	1,108	1,231	1,645
80%	1,878	1,738	1,727	1,781	1,998	1,834	2,430	2,326	1,162	1,019	1,168	1,529
90%	1,386	1,608	1,567	1,588	1,833	1,658	1,634	1,786	1,040	884	1,066	1,424
Long Term												
Full Simulation Period[a]	2,511	2,361	3,225	5,025	6,351	6,763	6,291	6,069	3,207	2,186	1,712	2,145
Water Year Types[b]												
Wet (32%)	2,712	2,418	4,492	9,675	13,182	15,236	12,460	12,633	6,820	4,347	2,646	3,128
Above Normal (15%)	2,595	3,123	4,643	6,037	6,701	6,365	6,042	5,092	2,679	1,804	1,702	2,166
Below Normal (17%)	2,348	1,997	2,075	2,207	2,841	2,476	3,923	3,659	1,873	1,386	1,378	1,750
Dry (22%)	2,791	2,253	2,186	2,266	2,245	2,146	3,112	2,823	1,292	1,101	1,226	1,643
Critical (15%)	2,031	1,898	1,683	1,572	1,942	1,688	1,796	1,797	956	858	987	1,379

Alternative 4 H3 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	-13	333	-1	-3	8	8	1	0	0	0	0
20%	1	0	144	243	0	0	-2	0	7	1	2	3
30%	1	16	-3	77	0	0	-1	-4	1	1	-3	4
40%	0	7	0	-59	-62	0	-1	2	0	5	0	1
50%	0	0	13	28	-142	0	0	-5	1	6	1	0
60%	1	0	-11	-8	-26	0	0	1	2	3	14	2
70%	0	0	0	-14	0	0	0	-2	1	0	10	1
80%	0	1	0	-11	0	0	0	0	0	5	1	1
90%	0	0	0	0	0	0	0	-3	2	0	0	0
Long Term												
Full Simulation Period[a]	-4	-6	14	8	-10	0	1	1	1	2	2	1
Water Year Types[b]												
Wet (32%)	-14	6	-12	-7	-9	0	3	1	0	2	2	1
Above Normal (15%)	0	-70	76	26	-20	0	0	0	2	3	2	1
Below Normal (17%)	0	0	10	-13	1	0	0	2	3	5	4	2
Dry (22%)	1	35	20	65	-24	0	0	1	1	1	1	0
Critical (15%)	0	0	-11	-19	1	0	0	-1	0	0	0	1

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the San Joaquin River Basin 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-23-20. San Joaquin River at Vernalis, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,313	2,812	4,087	10,918	15,352	15,914	14,360	13,477	5,717	4,146	2,716	3,124
20%	2,932	2,406	2,806	4,719	8,794	8,835	8,640	6,693	3,981	2,461	2,155	2,521
30%	2,830	2,231	2,392	3,187	6,061	7,433	6,513	5,338	3,077	1,968	1,807	2,252
40%	2,689	2,128	2,138	2,637	4,880	4,228	5,560	5,089	2,542	1,779	1,634	2,079
50%	2,439	1,994	2,070	2,371	3,296	2,861	4,882	4,511	2,180	1,506	1,492	1,893
60%	2,179	1,929	1,957	2,298	2,496	2,431	3,386	3,309	1,743	1,388	1,397	1,791
70%	2,010	1,829	1,868	2,017	2,192	2,139	3,177	2,715	1,303	1,108	1,221	1,644
80%	1,878	1,737	1,727	1,792	1,998	1,834	2,430	2,326	1,162	1,014	1,167	1,527
90%	1,386	1,608	1,567	1,588	1,833	1,658	1,634	1,789	1,038	884	1,066	1,423
Long Term												
Full Simulation Period[a]	2,515	2,367	3,211	5,018	6,361	6,763	6,291	6,069	3,206	2,184	1,710	2,144
Water Year Types[b]												
Wet (32%)	2,726	2,411	4,504	9,681	13,191	15,235	12,457	12,632	6,820	4,345	2,645	3,127
Above Normal (15%)	2,595	3,193	4,567	6,011	6,721	6,364	6,042	5,092	2,678	1,801	1,699	2,164
Below Normal (17%)	2,348	1,997	2,065	2,220	2,841	2,476	3,922	3,657	1,870	1,381	1,375	1,748
Dry (22%)	2,790	2,217	2,166	2,202	2,269	2,146	3,112	2,823	1,291	1,100	1,225	1,643
Critical (15%)	2,031	1,898	1,694	1,592	1,941	1,688	1,796	1,798	956	858	987	1,378

Alternative 4 H4 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,313	2,799	4,404	10,923	15,346	15,917	14,368	13,487	5,718	4,145	2,716	3,125
20%	2,932	2,518	3,002	5,031	8,795	8,835	8,636	6,693	3,988	2,466	2,157	2,525
30%	2,831	2,248	2,430	3,273	6,067	7,433	6,512	5,334	3,076	1,970	1,803	2,255
40%	2,689	2,135	2,138	2,669	4,831	4,228	5,560	5,091	2,548	1,781	1,635	2,082
50%	2,439	1,994	2,083	2,427	3,154	2,861	4,882	4,506	2,181	1,514	1,493	1,893
60%	2,179	1,929	1,946	2,274	2,497	2,431	3,386	3,309	1,742	1,389	1,408	1,794
70%	2,010	1,828	1,858	2,093	2,192	2,139	3,177	2,713	1,302	1,103	1,227	1,645
80%	1,878	1,738	1,727	1,764	1,998	1,834	2,423	2,326	1,162	1,014	1,167	1,527
90%	1,386	1,608	1,567	1,588	1,833	1,658	1,626	1,789	1,035	887	1,065	1,423
Long Term												
Full Simulation Period[a]	2,511	2,375	3,232	5,062	6,351	6,765	6,288	6,070	3,207	2,185	1,711	2,145
Water Year Types[b]												
Wet (32%)	2,712	2,411	4,548	9,760	13,194	15,243	12,450	12,637	6,823	4,347	2,646	3,128
Above Normal (15%)	2,595	3,204	4,610	6,057	6,731	6,365	6,043	5,092	2,680	1,805	1,702	2,166
Below Normal (17%)	2,348	1,997	2,083	2,272	2,778	2,476	3,923	3,658	1,872	1,385	1,377	1,749
Dry (22%)	2,791	2,253	2,167	2,227	2,245	2,146	3,111	2,822	1,290	1,098	1,225	1,643
Critical (15%)	2,031	1,897	1,681	1,592	1,942	1,687	1,794	1,796	952	854	984	1,380

Alternative 4 H4 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	-13	317	4	-6	3	8	10	0	-1	0	0
20%	1	111	197	312	0	0	-4	1	7	5	2	3
30%	1	16	38	86	6	0	-1	-4	-1	2	-3	4
40%	0	7	0	31	-49	0	0	2	6	2	1	4
50%	0	0	13	57	-142	0	0	-5	2	8	0	0
60%	1	0	-11	-24	1	0	0	-1	-1	1	11	3
70%	0	0	-10	76	0	0	0	-2	-1	-5	6	1
80%	0	0	0	-28	0	0	-7	0	0	0	1	0
90%	0	0	0	0	0	0	-7	-1	-2	3	-1	0
Long Term												
Full Simulation Period[a]	-4	7	22	44	-10	2	-2	1	1	1	1	1
Water Year Types[b]												
Wet (32%)	-14	0	45	79	4	7	-7	5	3	1	1	1
Above Normal (15%)	0	11	43	46	10	0	0	0	2	4	3	1
Below Normal (17%)	0	0	19	52	-62	0	0	2	2	4	3	1
Dry (22%)	1	35	0	26	-24	0	-1	-1	-1	-2	-1	0
Critical (15%)	0	-1	-13	0	1	-1	-2	-2	-3	-4	-4	2

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the San Joaquin River Basin 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-23-21. San Joaquin River at Vernalis, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,313	2,812	4,087	10,918	15,352	15,914	14,360	13,477	5,717	4,146	2,716	3,124
20%	2,932	2,406	2,806	4,719	8,794	8,835	8,640	6,693	3,981	2,461	2,155	2,521
30%	2,830	2,231	2,392	3,187	6,061	7,433	6,513	5,338	3,077	1,968	1,807	2,252
40%	2,689	2,128	2,138	2,637	4,880	4,228	5,560	5,089	2,542	1,779	1,634	2,079
50%	2,439	1,994	2,070	2,371	3,296	2,861	4,882	4,511	2,180	1,506	1,492	1,893
60%	2,179	1,929	1,957	2,298	2,496	2,431	3,386	3,309	1,743	1,388	1,397	1,791
70%	2,010	1,829	1,868	2,017	2,192	2,139	3,177	2,715	1,303	1,108	1,221	1,644
80%	1,878	1,737	1,727	1,792	1,998	1,834	2,430	2,326	1,162	1,014	1,167	1,527
90%	1,386	1,608	1,567	1,588	1,833	1,658	1,634	1,789	1,038	884	1,066	1,423
Long Term												
Full Simulation Period[a]	2,515	2,367	3,211	5,018	6,361	6,763	6,291	6,069	3,206	2,184	1,710	2,144
Water Year Types[b]												
Wet (32%)	2,726	2,411	4,504	9,681	13,191	15,235	12,457	12,632	6,820	4,345	2,645	3,127
Above Normal (15%)	2,595	3,193	4,567	6,011	6,721	6,364	6,042	5,092	2,678	1,801	1,699	2,164
Below Normal (17%)	2,348	1,997	2,065	2,220	2,841	2,476	3,922	3,657	1,870	1,381	1,375	1,748
Dry (22%)	2,790	2,217	2,166	2,202	2,269	2,146	3,112	2,823	1,291	1,100	1,225	1,643
Critical (15%)	2,031	1,898	1,694	1,592	1,941	1,688	1,796	1,798	956	858	987	1,378

Alternative 5 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,313	2,812	4,209	10,916	15,353	15,913	14,365	13,480	5,717	4,147	2,716	3,125
20%	2,933	2,613	2,850	4,964	8,794	8,835	8,642	6,692	3,986	2,470	2,156	2,524
30%	2,831	2,250	2,420	3,187	6,062	7,434	6,515	5,335	3,077	1,969	1,806	2,255
40%	2,688	2,135	2,138	2,658	4,799	4,228	5,561	5,091	2,550	1,782	1,634	2,083
50%	2,439	1,994	2,083	2,415	3,296	2,861	4,883	4,507	2,181	1,513	1,494	1,894
60%	2,179	1,929	1,966	2,335	2,497	2,431	3,387	3,310	1,744	1,393	1,409	1,793
70%	2,010	1,829	1,869	2,040	2,192	2,139	3,179	2,715	1,303	1,108	1,230	1,645
80%	1,878	1,738	1,727	1,788	1,998	1,833	2,430	2,325	1,162	1,020	1,167	1,529
90%	1,386	1,608	1,567	1,588	1,833	1,658	1,634	1,787	1,044	882	1,064	1,423
Long Term												
Full Simulation Period[a]	2,509	2,368	3,235	5,038	6,355	6,763	6,291	6,070	3,207	2,186	1,712	2,145
Water Year Types[b]												
Wet (32%)	2,712	2,418	4,559	9,742	13,199	15,234	12,458	12,634	6,819	4,347	2,646	3,128
Above Normal (15%)	2,585	3,132	4,594	5,991	6,683	6,365	6,043	5,093	2,680	1,805	1,702	2,166
Below Normal (17%)	2,348	2,029	2,072	2,238	2,832	2,476	3,924	3,659	1,873	1,387	1,379	1,750
Dry (22%)	2,792	2,252	2,179	2,224	2,269	2,146	3,112	2,824	1,292	1,102	1,226	1,643
Critical (15%)	2,031	1,898	1,694	1,592	1,942	1,688	1,796	1,797	956	858	987	1,380

Alternative 5 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	121	-2	1	-1	5	3	0	1	0	0
20%	1	207	44	245	0	0	1	0	5	9	1	2
30%	1	19	28	0	0	1	1	-3	0	1	-1	4
40%	0	7	0	21	-81	0	1	3	8	3	0	4
50%	0	0	13	44	0	0	1	-4	1	7	2	1
60%	1	0	9	37	1	0	1	1	2	6	12	2
70%	0	0	0	23	0	0	1	0	1	0	9	2
80%	0	1	0	-4	0	-1	0	-1	0	6	0	1
90%	0	0	0	0	0	0	0	-3	6	-2	-2	0
Long Term												
Full Simulation Period[a]	-6	1	25	20	-6	0	1	1	1	2	2	1
Water Year Types[b]												
Wet (32%)	-14	7	55	61	8	-1	1	2	-1	1	1	1
Above Normal (15%)	-10	-62	27	-19	-38	0	1	0	2	4	3	1
Below Normal (17%)	1	33	8	18	-8	0	1	3	3	6	4	2
Dry (22%)	1	35	13	22	0	0	0	1	1	2	1	1
Critical (15%)	0	0	0	0	1	0	0	-1	0	0	0	2

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the San Joaquin River Basin 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-23-22. San Joaquin River at Vernalis, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,313	2,812	4,087	10,918	15,352	15,914	14,360	13,477	5,717	4,146	2,716	3,124
20%	2,932	2,406	2,806	4,719	8,794	8,835	8,640	6,693	3,981	2,461	2,155	2,521
30%	2,830	2,231	2,392	3,187	6,061	7,433	6,513	5,338	3,077	1,968	1,807	2,252
40%	2,689	2,128	2,138	2,637	4,880	4,228	5,560	5,089	2,542	1,779	1,634	2,079
50%	2,439	1,994	2,070	2,371	3,296	2,861	4,882	4,511	2,180	1,506	1,492	1,893
60%	2,179	1,929	1,957	2,298	2,496	2,431	3,386	3,309	1,743	1,388	1,397	1,791
70%	2,010	1,829	1,868	2,017	2,192	2,139	3,177	2,715	1,303	1,108	1,221	1,644
80%	1,878	1,737	1,727	1,792	1,998	1,834	2,430	2,326	1,162	1,014	1,167	1,527
90%	1,386	1,608	1,567	1,588	1,833	1,658	1,634	1,789	1,038	884	1,066	1,423
Long Term												
Full Simulation Period[a]	2,515	2,367	3,211	5,018	6,361	6,763	6,291	6,069	3,206	2,184	1,710	2,144
Water Year Types[b]												
Wet (32%)	2,726	2,411	4,504	9,681	13,191	15,235	12,457	12,632	6,820	4,345	2,645	3,127
Above Normal (15%)	2,595	3,193	4,567	6,011	6,721	6,364	6,042	5,092	2,678	1,801	1,699	2,164
Below Normal (17%)	2,348	1,997	2,065	2,220	2,841	2,476	3,922	3,657	1,870	1,381	1,375	1,748
Dry (22%)	2,790	2,217	2,166	2,202	2,269	2,146	3,112	2,823	1,291	1,100	1,225	1,643
Critical (15%)	2,031	1,898	1,694	1,592	1,941	1,688	1,796	1,798	956	858	987	1,378

Alternative 6A,6B,6C (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,313	2,830	4,424	10,920	15,279	15,920	13,811	12,872	5,807	4,146	2,716	3,124
20%	2,932	2,655	2,802	5,317	8,768	8,740	8,508	6,690	3,980	2,454	2,155	2,520
30%	2,829	2,267	2,431	3,272	6,071	7,433	6,511	5,329	3,071	1,967	1,796	2,252
40%	2,674	2,134	2,138	2,614	4,880	4,228	5,559	5,089	2,539	1,773	1,634	2,081
50%	2,438	1,994	2,053	2,415	3,153	2,861	4,882	4,507	2,177	1,504	1,490	1,891
60%	2,177	1,929	1,944	2,315	2,496	2,430	3,405	3,307	1,738	1,361	1,404	1,793
70%	2,009	1,828	1,858	2,038	2,190	2,137	3,174	2,707	1,298	1,103	1,223	1,644
80%	1,878	1,737	1,727	1,764	1,998	1,833	2,419	2,325	1,161	1,003	1,159	1,527
90%	1,386	1,608	1,567	1,587	1,833	1,658	1,625	1,767	1,037	887	1,058	1,420
Long Term												
Full Simulation Period[a]	2,518	2,384	3,229	5,069	6,354	6,758	6,267	6,054	3,210	2,176	1,707	2,141
Water Year Types[b]												
Wet (32%)	2,739	2,418	4,550	9,768	13,199	15,240	12,392	12,597	6,857	4,339	2,643	3,126
Above Normal (15%)	2,594	3,202	4,655	6,067	6,745	6,336	6,025	5,085	2,658	1,798	1,697	2,163
Below Normal (17%)	2,343	2,053	2,072	2,300	2,777	2,475	3,921	3,654	1,866	1,374	1,371	1,746
Dry (22%)	2,791	2,244	2,099	2,216	2,245	2,145	3,109	2,815	1,285	1,080	1,219	1,640
Critical (15%)	2,031	1,898	1,680	1,591	1,942	1,687	1,791	1,790	950	851	981	1,366

Alternative 6A,6B,6C (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	18	337	2	-72	6	-549	-605	89	0	0	0
20%	1	249	-4	598	-26	-95	-132	-3	-1	-7	0	-1
30%	-1	35	39	85	10	0	-2	-8	-6	-1	-11	0
40%	-15	6	0	-23	0	0	-1	0	-3	-5	0	2
50%	-1	0	-17	44	-143	0	0	-5	-3	-2	-3	-2
60%	-1	0	-13	17	0	-1	19	-2	-4	-27	7	2
70%	-2	0	-10	20	-2	-2	-4	-7	-4	-5	1	0
80%	0	0	0	-28	0	-1	-11	-1	-1	-11	-8	-1
90%	0	0	0	0	0	0	-8	-22	-1	3	-8	-4
Long Term												
Full Simulation Period[a]	3	17	18	51	-7	-5	-24	-15	4	-8	-4	-3
Water Year Types[b]												
Wet (32%)	13	6	46	86	8	4	-65	-35	37	-7	-2	-1
Above Normal (15%)	-1	9	87	57	24	-29	-17	-7	-20	-3	-2	-1
Below Normal (17%)	-5	57	7	79	-63	0	-1	-2	-4	-6	-3	-2
Dry (22%)	0	27	-67	15	-24	-1	-2	-8	-6	-19	-6	-3
Critical (15%)	0	0	-13	0	1	-1	-5	-7	-6	-7	-7	-11

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the San Joaquin River Basin 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-23-23. San Joaquin River at Vernalis, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,313	2,812	4,087	10,918	15,352	15,914	14,360	13,477	5,717	4,146	2,716	3,124
20%	2,932	2,406	2,806	4,719	8,794	8,835	8,640	6,693	3,981	2,461	2,155	2,521
30%	2,830	2,231	2,392	3,187	6,061	7,433	6,513	5,338	3,077	1,968	1,807	2,252
40%	2,689	2,128	2,138	2,637	4,880	4,228	5,560	5,089	2,542	1,779	1,634	2,079
50%	2,439	1,994	2,070	2,371	3,296	2,861	4,882	4,511	2,180	1,506	1,492	1,893
60%	2,179	1,929	1,957	2,298	2,496	2,431	3,386	3,309	1,743	1,388	1,397	1,791
70%	2,010	1,829	1,868	2,017	2,192	2,139	3,177	2,715	1,303	1,108	1,221	1,644
80%	1,878	1,737	1,727	1,792	1,998	1,834	2,430	2,326	1,162	1,014	1,167	1,527
90%	1,386	1,608	1,567	1,588	1,833	1,658	1,634	1,789	1,038	884	1,066	1,423
Long Term												
Full Simulation Period[a]	2,515	2,367	3,211	5,018	6,361	6,763	6,291	6,069	3,206	2,184	1,710	2,144
Water Year Types[b]												
Wet (32%)	2,726	2,411	4,504	9,681	13,191	15,235	12,457	12,632	6,820	4,345	2,645	3,127
Above Normal (15%)	2,595	3,193	4,567	6,011	6,721	6,364	6,042	5,092	2,678	1,801	1,699	2,164
Below Normal (17%)	2,348	1,997	2,065	2,220	2,841	2,476	3,922	3,657	1,870	1,381	1,375	1,748
Dry (22%)	2,790	2,217	2,166	2,202	2,269	2,146	3,112	2,823	1,291	1,100	1,225	1,643
Critical (15%)	2,031	1,898	1,694	1,592	1,941	1,688	1,796	1,798	956	858	987	1,378

Alternative 7 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,313	2,803	3,673	10,920	15,281	15,916	14,374	13,497	5,716	4,146	2,716	3,124
20%	2,933	2,615	3,004	5,034	8,770	8,823	8,509	6,690	3,982	2,450	2,155	2,522
30%	2,829	2,250	2,422	3,272	6,068	7,433	6,511	5,333	3,071	1,967	1,797	2,252
40%	2,675	2,134	2,141	2,616	4,749	4,227	5,558	5,088	2,538	1,779	1,634	2,077
50%	2,438	1,994	2,087	2,420	3,190	2,861	4,882	4,500	2,178	1,502	1,489	1,891
60%	2,177	1,929	1,965	2,316	2,496	2,431	3,386	3,307	1,738	1,361	1,406	1,793
70%	2,009	1,828	1,868	2,042	2,189	2,138	3,174	2,711	1,300	1,103	1,223	1,643
80%	1,878	1,738	1,727	1,792	1,998	1,831	2,419	2,326	1,161	997	1,159	1,527
90%	1,386	1,607	1,567	1,587	1,833	1,658	1,625	1,779	1,033	887	1,058	1,420
Long Term												
Full Simulation Period[a]	2,509	2,380	3,230	5,049	6,339	6,765	6,284	6,061	3,205	2,177	1,706	2,141
Water Year Types[b]												
Wet (32%)	2,709	2,418	4,536	9,754	13,169	15,243	12,452	12,620	6,837	4,338	2,643	3,126
Above Normal (15%)	2,594	3,194	4,605	6,015	6,674	6,363	6,024	5,084	2,658	1,798	1,697	2,163
Below Normal (17%)	2,347	2,029	2,061	2,256	2,824	2,476	3,921	3,655	1,867	1,376	1,372	1,746
Dry (22%)	2,791	2,251	2,187	2,226	2,245	2,145	3,106	2,816	1,284	1,083	1,219	1,640
Critical (15%)	2,027	1,898	1,693	1,591	1,941	1,687	1,792	1,791	951	852	977	1,367

Alternative 7 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	-9	-414	1	-70	3	13	20	-2	0	0	0
20%	1	209	198	315	-24	-13	-131	-2	1	-11	0	0
30%	-1	19	30	85	7	-1	-2	-5	-6	-1	-9	1
40%	-14	6	3	-22	-131	0	-2	-1	-4	0	0	-2
50%	-1	0	17	49	-106	0	0	-11	-2	-4	-4	-3
60%	-2	0	8	18	0	-1	0	-2	-5	-27	9	2
70%	-1	0	0	25	-3	-1	-3	-4	-2	-5	2	-1
80%	-1	0	0	0	0	-3	-11	-1	-1	-17	-8	-1
90%	0	-1	0	0	0	0	-8	-10	-4	3	-8	-4
Long Term												
Full Simulation Period[a]	-6	12	19	32	-22	2	-7	-8	-1	-7	-4	-3
Water Year Types[b]												
Wet (32%)	-17	6	32	72	-22	8	-5	-12	17	-7	-2	-1
Above Normal (15%)	-1	1	38	4	-47	-1	-18	-8	-20	-3	-2	-1
Below Normal (17%)	-1	33	-4	36	-16	0	-1	-2	-3	-5	-3	-1
Dry (22%)	0	33	21	24	-24	-1	-5	-7	-7	-17	-6	-3
Critical (15%)	-3	-1	0	0	0	-1	-4	-7	-5	-6	-10	-11

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the San Joaquin River Basin 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-23-24. San Joaquin River at Vernalis, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,313	2,812	4,087	10,918	15,352	15,914	14,360	13,477	5,717	4,146	2,716	3,124
20%	2,932	2,406	2,806	4,719	8,794	8,835	8,640	6,693	3,981	2,461	2,155	2,521
30%	2,830	2,231	2,392	3,187	6,061	7,433	6,513	5,338	3,077	1,968	1,807	2,252
40%	2,689	2,128	2,138	2,637	4,880	4,228	5,560	5,089	2,542	1,779	1,634	2,079
50%	2,439	1,994	2,070	2,371	3,296	2,861	4,882	4,511	2,180	1,506	1,492	1,893
60%	2,179	1,929	1,957	2,298	2,496	2,431	3,386	3,309	1,743	1,388	1,397	1,791
70%	2,010	1,829	1,868	2,017	2,192	2,139	3,177	2,715	1,303	1,108	1,221	1,644
80%	1,878	1,737	1,727	1,792	1,998	1,834	2,430	2,326	1,162	1,014	1,167	1,527
90%	1,386	1,608	1,567	1,588	1,833	1,658	1,634	1,789	1,038	884	1,066	1,423
Long Term												
Full Simulation Period[a]	2,515	2,367	3,211	5,018	6,361	6,763	6,291	6,069	3,206	2,184	1,710	2,144
Water Year Types[b]												
Wet (32%)	2,726	2,411	4,504	9,681	13,191	15,235	12,457	12,632	6,820	4,345	2,645	3,127
Above Normal (15%)	2,595	3,193	4,567	6,011	6,721	6,364	6,042	5,092	2,678	1,801	1,699	2,164
Below Normal (17%)	2,348	1,997	2,065	2,220	2,841	2,476	3,922	3,657	1,870	1,381	1,375	1,748
Dry (22%)	2,790	2,217	2,166	2,202	2,269	2,146	3,112	2,823	1,291	1,100	1,225	1,643
Critical (15%)	2,031	1,898	1,694	1,592	1,941	1,688	1,796	1,798	956	858	987	1,378

Alternative 8 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,313	2,812	4,497	10,924	15,194	15,914	14,395	13,503	5,715	4,146	2,715	3,124
20%	2,932	2,523	3,005	5,037	8,762	8,759	8,509	6,691	3,982	2,453	2,155	2,522
30%	2,829	2,261	2,428	3,271	6,071	7,433	6,511	5,331	3,071	1,966	1,799	2,250
40%	2,675	2,134	2,141	2,639	4,797	4,227	5,558	5,086	2,538	1,776	1,634	2,077
50%	2,438	1,994	2,059	2,426	3,299	2,861	4,882	4,502	2,176	1,499	1,489	1,890
60%	2,177	1,929	1,935	2,346	2,496	2,431	3,385	3,308	1,735	1,372	1,396	1,791
70%	2,008	1,828	1,858	2,018	2,189	2,138	3,174	2,709	1,300	1,103	1,214	1,642
80%	1,878	1,737	1,727	1,766	1,998	1,833	2,419	2,316	1,161	999	1,160	1,527
90%	1,386	1,608	1,567	1,587	1,833	1,658	1,625	1,779	1,032	879	1,058	1,420
Long Term												
Full Simulation Period[a]	2,511	2,364	3,251	5,064	6,348	6,759	6,284	6,061	3,206	2,176	1,704	2,140
Water Year Types[b]												
Wet (32%)	2,722	2,418	4,584	9,785	13,161	15,244	12,455	12,621	6,843	4,337	2,643	3,126
Above Normal (15%)	2,584	3,083	4,654	6,077	6,704	6,335	6,024	5,085	2,658	1,798	1,697	2,163
Below Normal (17%)	2,343	2,064	2,079	2,226	2,837	2,476	3,919	3,653	1,864	1,371	1,368	1,745
Dry (22%)	2,790	2,253	2,169	2,239	2,270	2,145	3,106	2,817	1,284	1,089	1,219	1,640
Critical (15%)	2,030	1,897	1,680	1,572	1,942	1,686	1,790	1,791	950	851	970	1,366

Alternative 8 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	410	6	-157	0	35	26	-2	0	0	0
20%	1	117	199	318	-33	-76	-131	-1	0	-8	0	0
30%	-1	29	36	84	9	-1	-2	-7	-6	-2	-8	-1
40%	-14	6	3	2	-83	0	-2	-2	-4	-2	0	-2
50%	-1	0	-11	55	3	0	0	-10	-3	-7	-4	-3
60%	-2	0	-22	49	0	-1	-1	-2	-8	-16	-1	0
70%	-2	0	-10	1	-2	-1	-4	-6	-2	-5	-7	-1
80%	-1	0	0	-27	0	-1	-11	-10	-1	-14	-7	-1
90%	0	0	0	0	-1	0	-8	-10	-5	-5	-8	-4
Long Term												
Full Simulation Period[a]	-4	-3	40	46	-13	-4	-6	-7	0	-8	-6	-4
Water Year Types[b]												
Wet (32%)	-3	6	80	104	-30	8	-2	-11	23	-8	-2	-1
Above Normal (15%)	-11	-110	87	66	-17	-29	-18	-7	-20	-3	-2	-1
Below Normal (17%)	-5	67	14	5	-3	0	-3	-4	-6	-9	-6	-3
Dry (22%)	0	35	3	38	0	-1	-5	-6	-7	-11	-6	-3
Critical (15%)	-1	-1	-14	-20	1	-1	-6	-7	-6	-7	-17	-12

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the San Joaquin River Basin 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-23-25. San Joaquin River at Vernalis, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,313	2,812	4,087	10,918	15,352	15,914	14,360	13,477	5,717	4,146	2,716	3,124
20%	2,932	2,406	2,806	4,719	8,794	8,835	8,640	6,693	3,981	2,461	2,155	2,521
30%	2,830	2,231	2,392	3,187	6,061	7,433	6,513	5,338	3,077	1,968	1,807	2,252
40%	2,689	2,128	2,138	2,637	4,880	4,228	5,560	5,089	2,542	1,779	1,634	2,079
50%	2,439	1,994	2,070	2,371	3,296	2,861	4,882	4,511	2,180	1,506	1,492	1,893
60%	2,179	1,929	1,957	2,298	2,496	2,431	3,386	3,309	1,743	1,388	1,397	1,791
70%	2,010	1,829	1,868	2,017	2,192	2,139	3,177	2,715	1,303	1,108	1,221	1,644
80%	1,878	1,737	1,727	1,792	1,998	1,834	2,430	2,326	1,162	1,014	1,167	1,527
90%	1,386	1,608	1,567	1,588	1,833	1,658	1,634	1,789	1,038	884	1,066	1,423
Long Term												
Full Simulation Period[a]	2,515	2,367	3,211	5,018	6,361	6,763	6,291	6,069	3,206	2,184	1,710	2,144
Water Year Types[b]												
Wet (32%)	2,726	2,411	4,504	9,681	13,191	15,235	12,457	12,632	6,820	4,345	2,645	3,127
Above Normal (15%)	2,595	3,193	4,567	6,011	6,721	6,364	6,042	5,092	2,678	1,801	1,699	2,164
Below Normal (17%)	2,348	1,997	2,065	2,220	2,841	2,476	3,922	3,657	1,870	1,381	1,375	1,748
Dry (22%)	2,790	2,217	2,166	2,202	2,269	2,146	3,112	2,823	1,291	1,100	1,225	1,643
Critical (15%)	2,031	1,898	1,694	1,592	1,941	1,688	1,796	1,798	956	858	987	1,378

Alternative 9 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,312	2,830	4,595	10,921	15,357	15,912	14,367	13,471	5,713	4,145	2,714	3,123
20%	2,933	2,677	2,814	4,718	8,794	8,835	8,639	6,691	3,981	2,463	2,155	2,521
30%	2,830	2,261	2,393	3,473	6,072	7,434	6,514	5,335	3,073	1,965	1,803	2,253
40%	2,688	2,135	2,141	2,661	4,880	4,228	5,560	5,092	2,544	1,776	1,634	2,080
50%	2,440	1,994	2,053	2,415	3,306	2,861	4,882	4,505	2,181	1,508	1,494	1,894
60%	2,179	1,929	1,935	2,317	2,445	2,431	3,387	3,311	1,740	1,386	1,401	1,791
70%	2,010	1,828	1,858	2,038	2,192	2,139	3,177	2,714	1,302	1,103	1,225	1,644
80%	1,878	1,738	1,727	1,792	1,998	1,831	2,423	2,326	1,162	998	1,165	1,527
90%	1,386	1,608	1,567	1,588	1,833	1,658	1,625	1,787	1,031	884	1,064	1,422
Long Term												
Full Simulation Period[a]	2,511	2,384	3,231	5,055	6,359	6,766	6,290	6,067	3,207	2,182	1,709	2,144
Water Year Types[b]												
Wet (32%)	2,712	2,418	4,580	9,778	13,202	15,245	12,455	12,630	6,826	4,344	2,643	3,126
Above Normal (15%)	2,595	3,195	4,574	6,037	6,722	6,365	6,043	5,091	2,678	1,801	1,699	2,164
Below Normal (17%)	2,348	2,052	2,073	2,241	2,808	2,476	3,923	3,658	1,871	1,383	1,376	1,749
Dry (22%)	2,791	2,253	2,155	2,204	2,271	2,145	3,110	2,820	1,289	1,094	1,224	1,642
Critical (15%)	2,031	1,898	1,681	1,592	1,941	1,687	1,794	1,795	952	853	983	1,379

Alternative 9 (LLT) minus No Action Alternative (LLT)

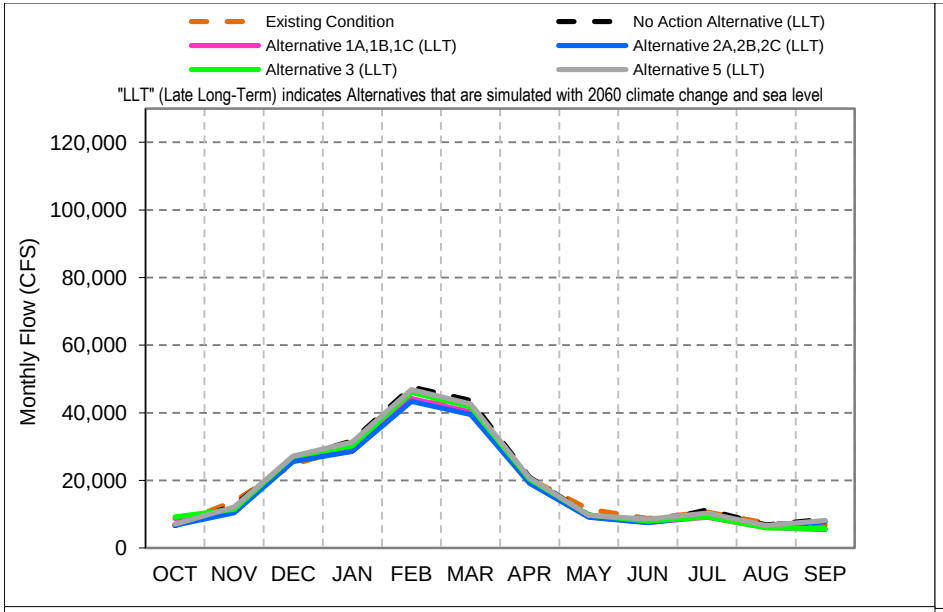
	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	18	507	2	5	-1	7	-6	-4	-1	-1	-1
20%	1	271	9	-1	0	-1	-1	-1	0	2	0	0
30%	0	29	2	286	11	0	1	-3	-3	-3	-4	1
40%	0	6	3	23	0	0	0	3	2	-2	0	1
50%	0	0	-16	44	10	0	0	-6	1	3	1	0
60%	0	0	-21	19	-51	0	1	1	-2	-2	5	0
70%	0	0	-10	20	0	0	-1	-1	-1	-5	4	1
80%	0	0	0	0	0	-3	-7	0	0	-16	-2	-1
90%	0	0	0	0	0	0	-8	-2	-7	0	-2	-1
Long Term												
Full Simulation Period[a]	-4	17	21	37	-2	3	-1	-2	1	-2	-1	0
Water Year Types[b]												
Wet (32%)	-14	7	76	97	11	10	-2	-2	6	-2	-1	-1
Above Normal (15%)	0	2	7	26	1	0	1	-1	0	0	0	0
Below Normal (17%)	0	56	8	20	-32	0	1	1	1	2	2	1
Dry (22%)	0	35	-11	3	1	-1	-2	-3	-2	-6	-1	-1
Critical (15%)	0	0	-13	0	0	-1	-2	-2	-4	-5	-4	2

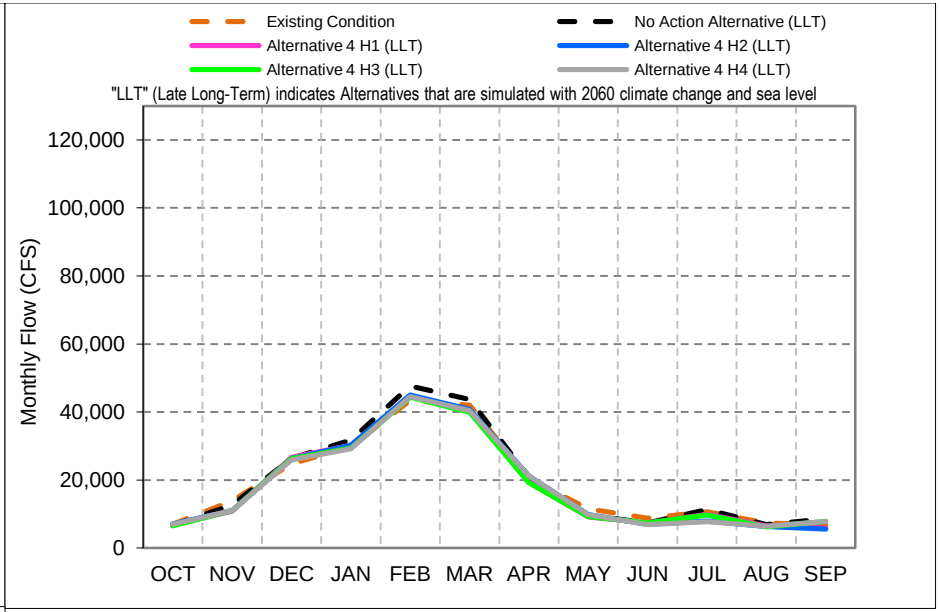
Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

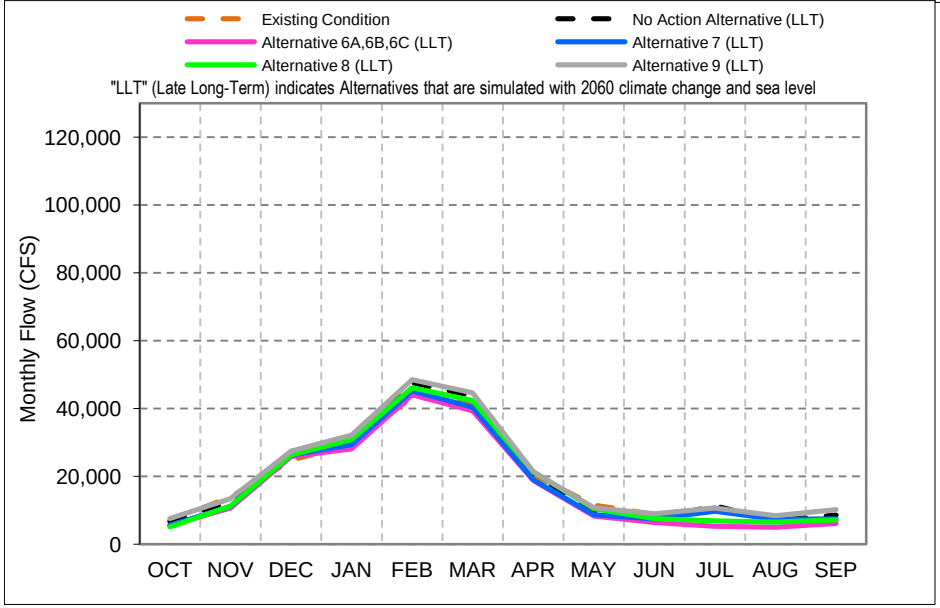
a Based on the 82-year simulation period

b As defined by the San Joaquin River Basin 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

C.24. Sacramento River Flow a Rio Vista



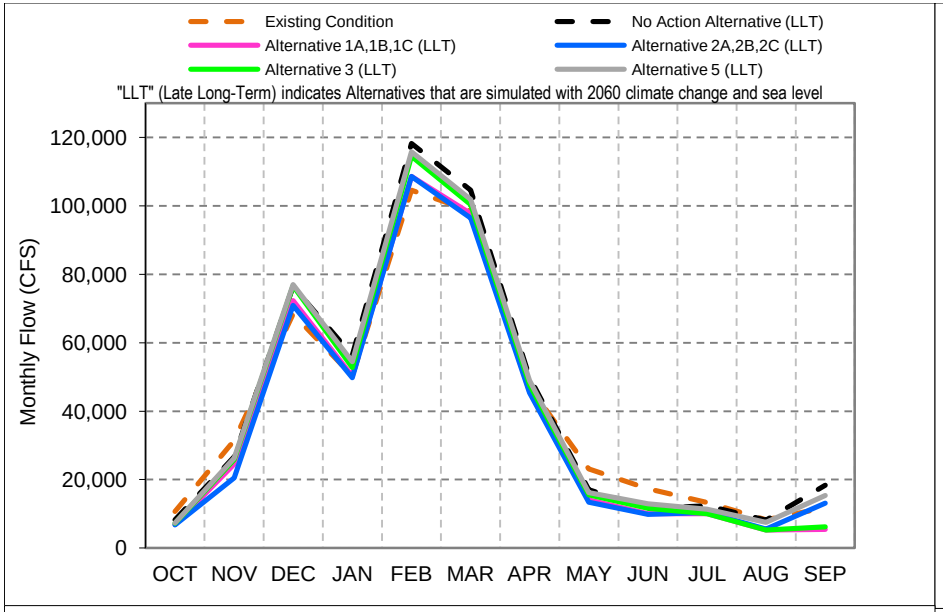


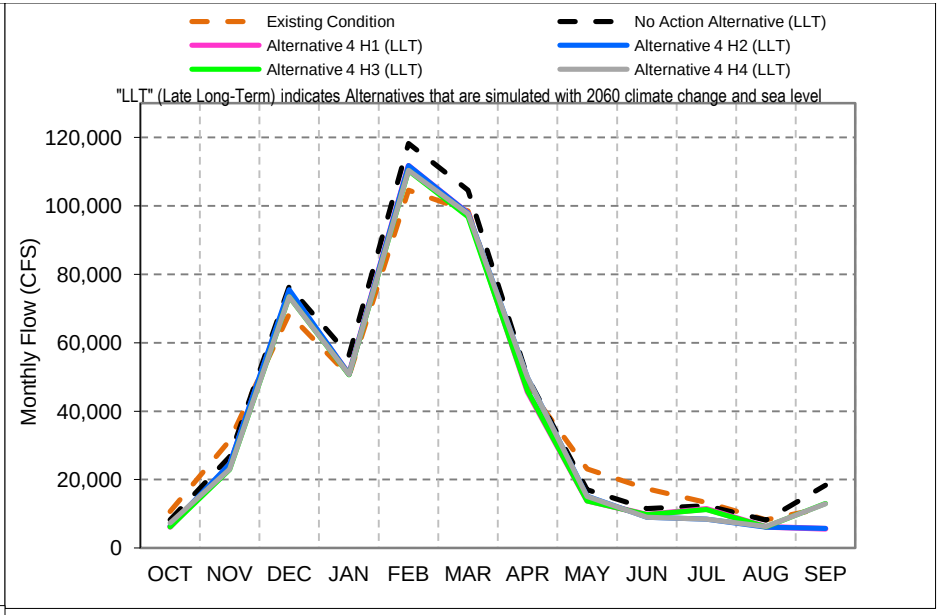


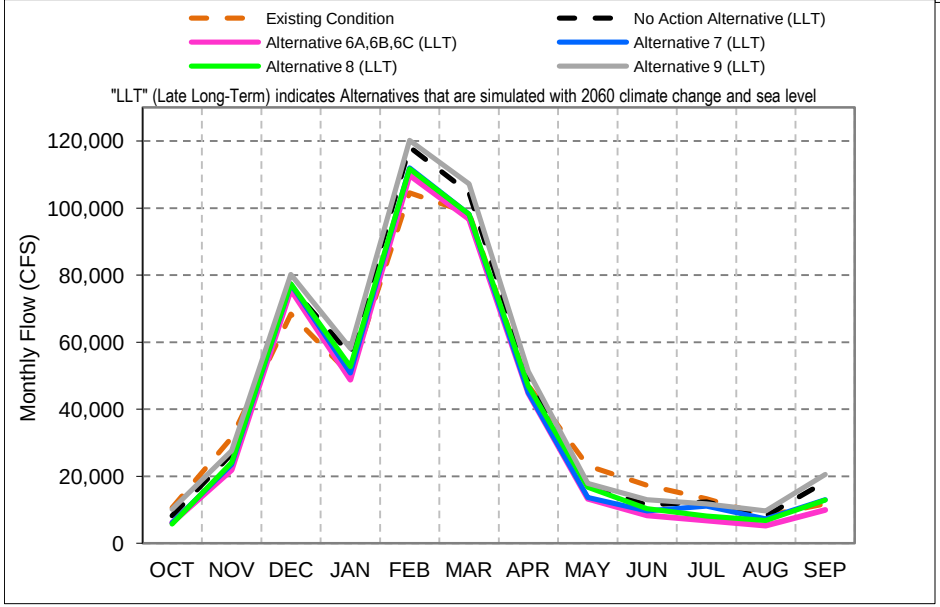
Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-24-1. Sacramento River at Rio Vista, Long-Term Average Flow





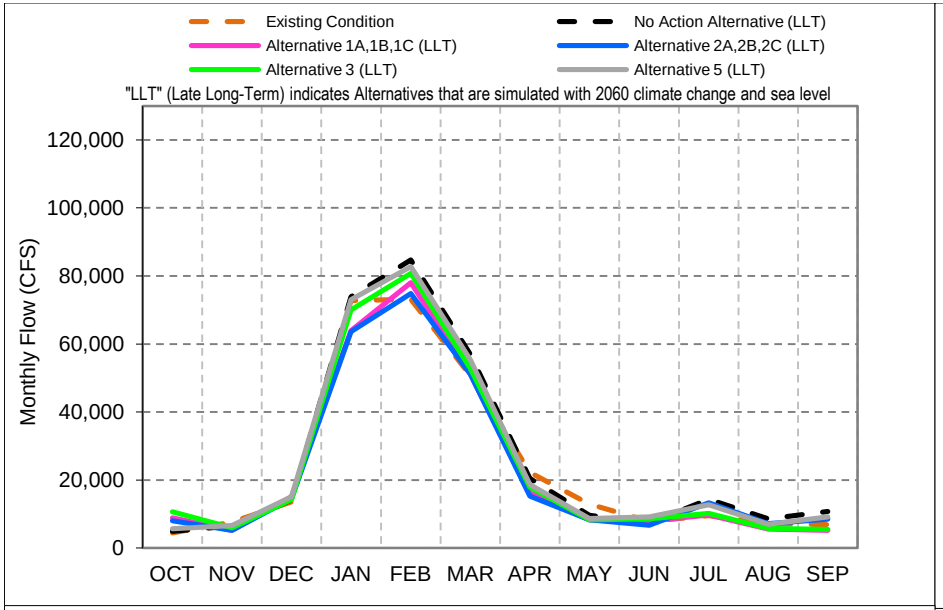


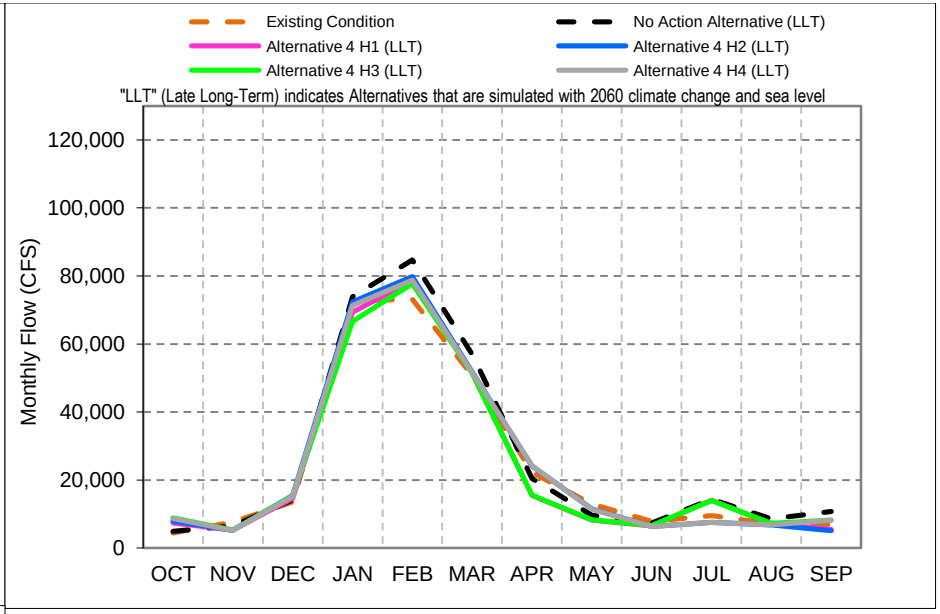
Alternative 4 Scenario Definitions:

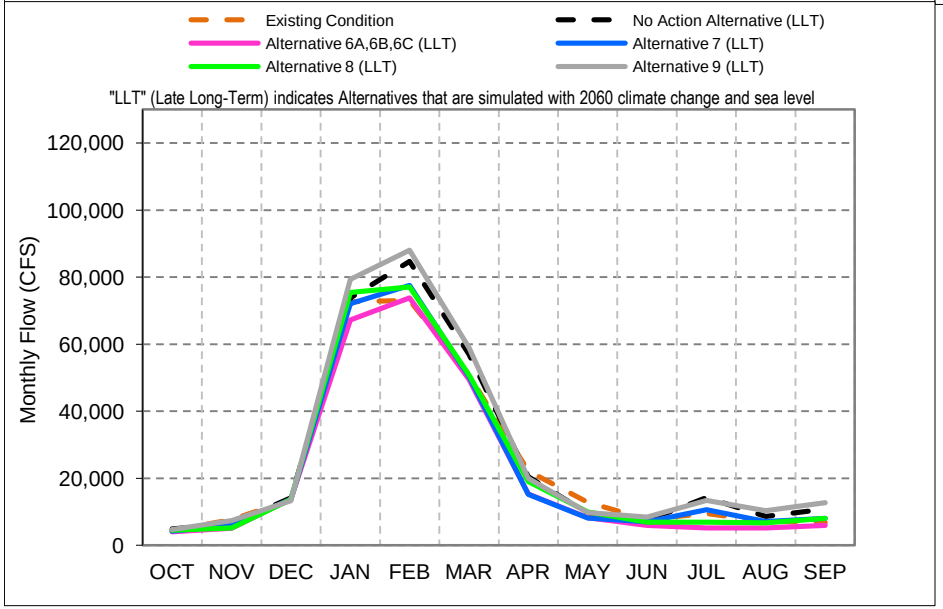
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-24-2. Sacramento River at Rio Vista, Wet Year* Average Flow





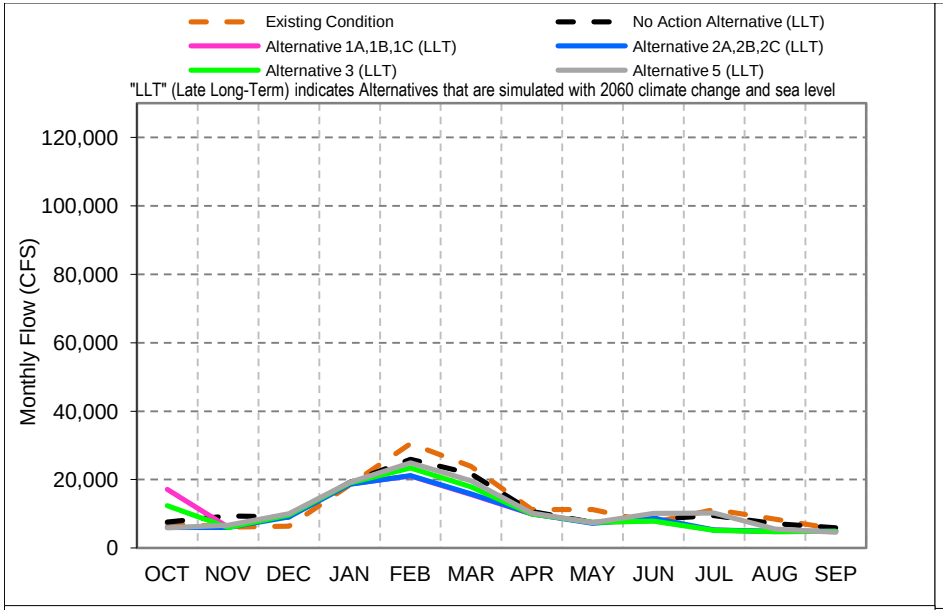


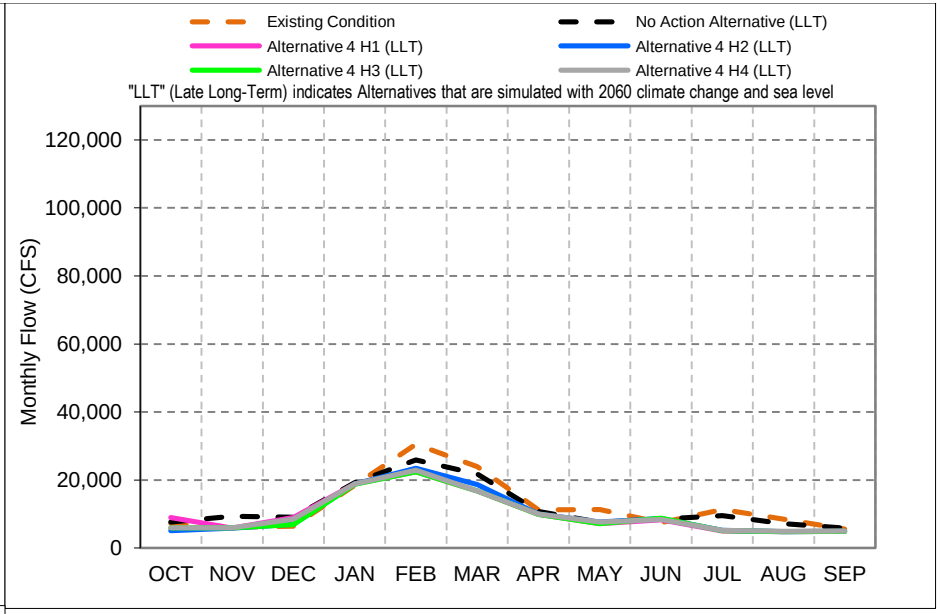
Alternative 4 Scenario Definitions:

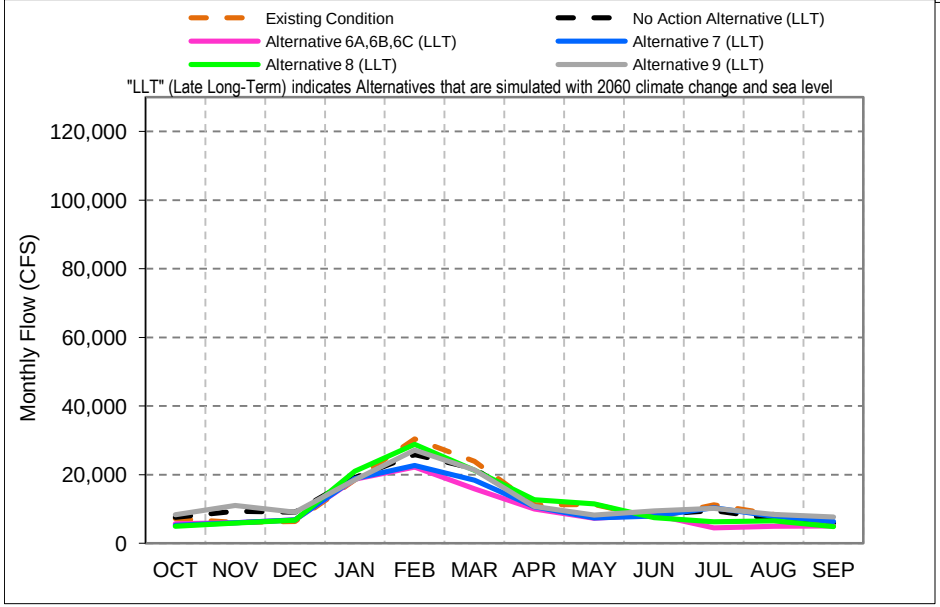
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-24-3. Sacramento River at Rio Vista, Above Normal Year* Average Flow





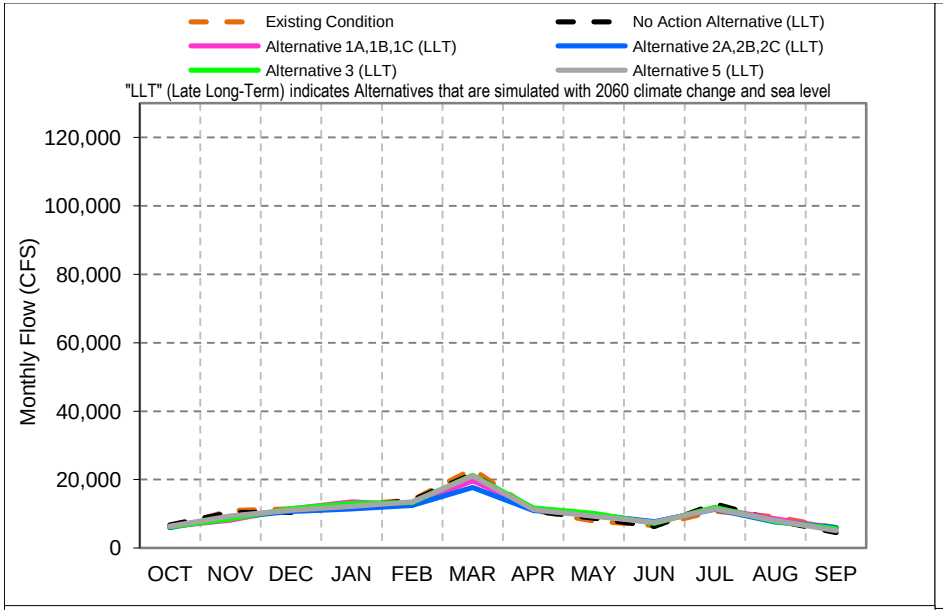


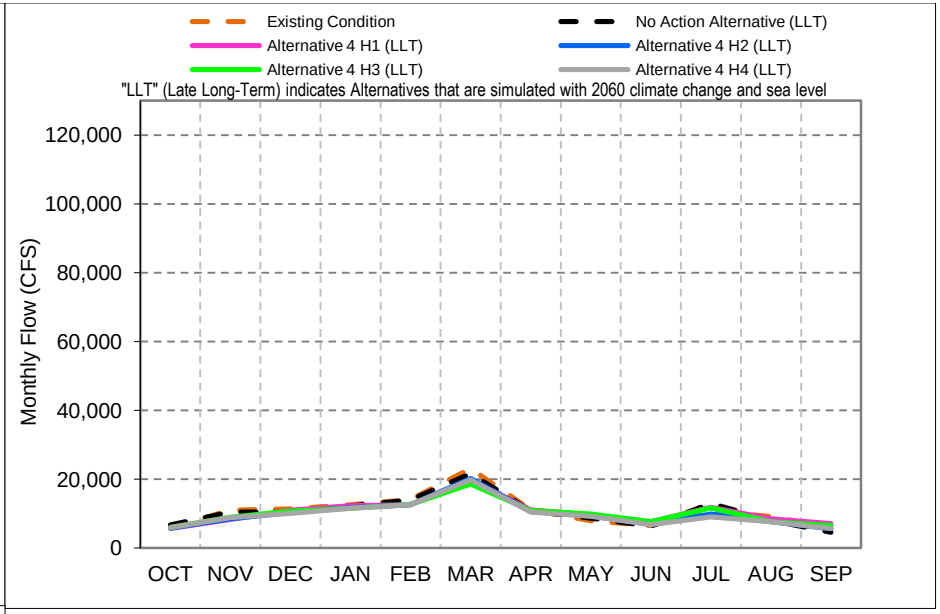
Alternative 4 Scenario Definitions:

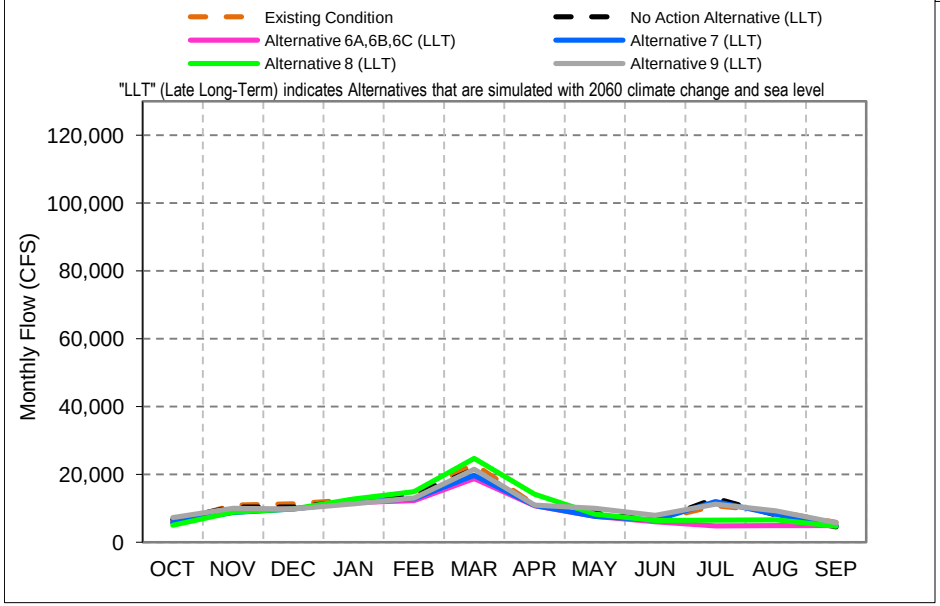
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-24-4. Sacramento River at Rio Vista, Below Normal Year* Average Flow





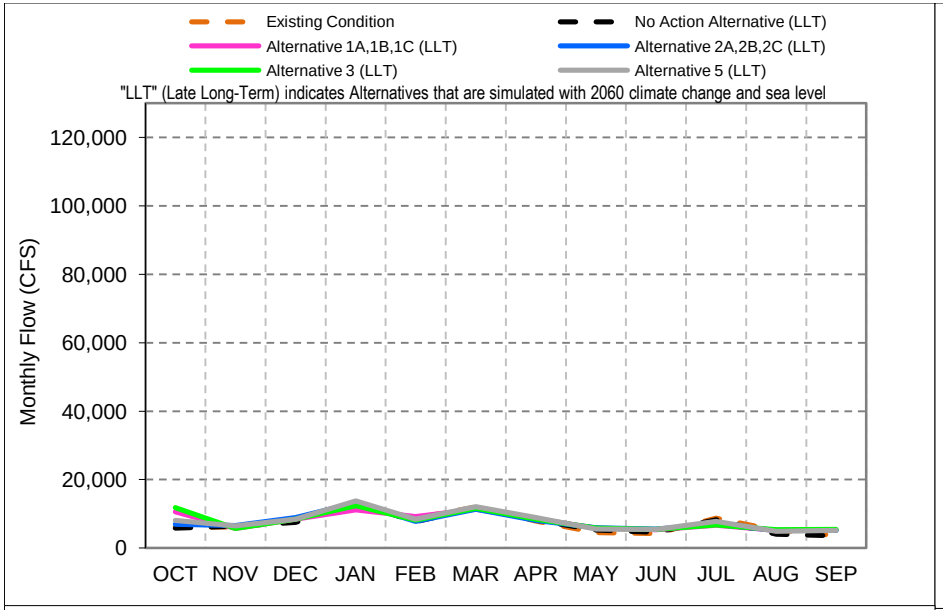


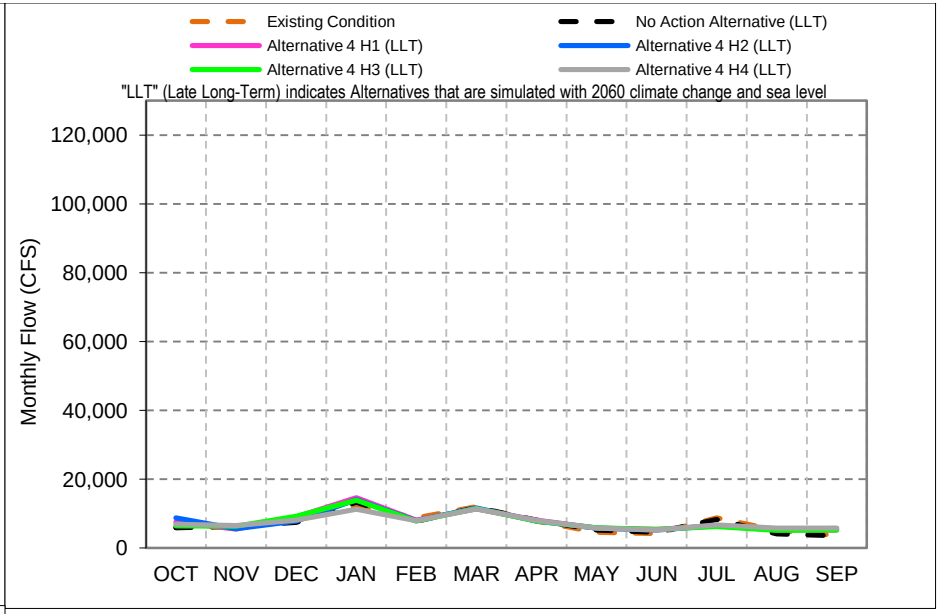
Alternative 4 Scenario Definitions:

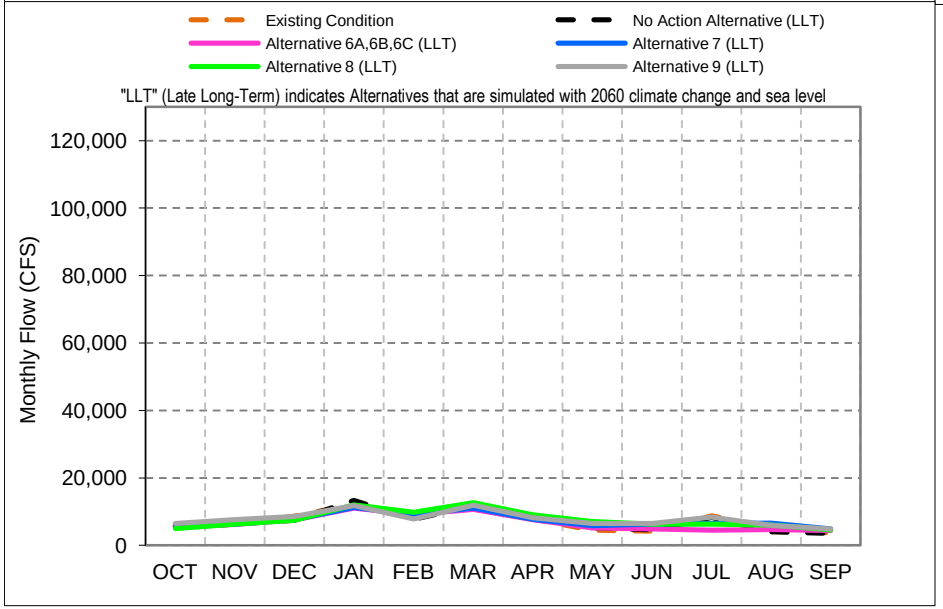
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-24-5. Sacramento River at Rio Vista, Dry Year* Average Flow







Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-24-6. Sacramento River at Rio Vista, Critical Year* Average Flow

Table C-24-1. Sacramento River at Rio Vista, Monthly Flow

Existing Condition

Statistic	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	13,385	31,138	69,675	67,273	117,006	88,368	45,473	21,073	11,032	12,484	9,990	9,975
20%	8,340	25,692	19,018	57,369	80,159	56,966	17,880	11,286	7,475	11,265	9,178	7,158
30%	6,640	10,524	14,820	36,041	37,083	41,514	14,778	10,336	6,783	11,033	8,479	6,876
40%	5,804	6,981	13,297	19,373	28,310	28,913	11,217	9,543	6,605	10,748	8,386	6,309
50%	5,573	6,559	11,443	18,527	19,216	25,131	10,679	8,050	6,382	10,628	7,160	5,629
60%	5,315	6,139	9,972	14,974	11,621	22,730	9,402	7,432	6,017	10,451	6,603	5,548
70%	4,651	6,022	8,428	10,776	10,535	15,993	8,969	6,164	5,811	9,827	6,277	4,806
80%	4,314	5,493	7,075	9,795	10,135	11,611	8,453	5,245	4,405	8,212	5,916	3,606
90%	3,558	4,370	6,461	8,018	6,370	7,783	6,885	4,153	3,830	7,841	4,561	3,434
Long Term												
Full Simulation Period[a]	7,015	13,882	24,749	29,766	43,436	41,995	20,477	11,504	8,725	10,656	7,375	6,762
Water Year Types[b]												
Wet (31%)	10,652	31,489	68,384	50,337	104,544	98,550	47,110	23,167	17,294	13,330	8,218	11,761
Above Normal (25%)	4,462	7,684	13,591	72,714	73,083	50,754	22,220	12,873	7,812	9,516	7,215	6,858
Below Normal (6%)	7,265	6,122	6,422	18,492	30,475	23,872	11,217	11,286	7,475	11,265	8,443	5,548
Dry (13%)	5,912	10,977	11,391	12,546	14,092	23,047	11,064	7,913	6,523	10,777	9,104	5,869
Critical (25%)	5,960	6,150	8,654	12,160	8,757	12,031	7,855	4,544	4,247	8,754	5,167	3,682

No Action Alternative (LLT)

Statistic	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,264	23,068	70,313	74,530	136,892	92,547	48,275	15,884	8,934	16,021	9,177	18,538
20%	7,620	17,740	15,859	70,165	88,135	66,036	18,787	10,909	8,374	14,602	8,789	15,402
30%	7,007	11,989	14,801	38,835	42,967	43,330	13,732	9,224	7,038	14,148	8,557	10,789
40%	6,634	9,334	12,528	19,363	25,904	27,346	10,716	8,298	6,612	12,452	8,131	5,892
50%	6,456	8,378	11,840	18,753	18,511	24,353	9,762	7,492	6,310	11,447	7,390	4,962
60%	6,209	6,122	9,479	14,868	12,566	19,775	9,509	6,466	6,001	10,281	6,992	4,508
70%	5,854	5,305	8,790	12,530	9,517	13,433	8,679	6,068	5,683	9,661	4,652	3,747
80%	4,844	4,712	6,657	10,435	8,020	10,185	8,249	5,403	5,022	7,671	4,227	3,687
90%	4,050	4,310	4,702	8,940	6,244	7,626	7,239	4,331	4,296	6,343	4,117	3,509
Long Term												
Full Simulation Period[a]	6,661	12,639	26,382	31,715	47,665	43,677	20,930	9,737	7,354	11,281	6,856	8,546
Water Year Types[b]												
Wet (31%)	8,244	26,634	76,445	56,302	118,226	104,545	49,866	17,006	11,537	12,336	8,194	18,346
Above Normal (25%)	4,900	6,486	14,135	73,855	84,726	56,970	20,466	9,603	7,362	14,303	8,596	10,789
Below Normal (6%)	7,620	9,334	9,092	19,186	25,904	21,749	10,716	7,538	8,443	9,509	7,153	5,892
Dry (13%)	6,722	10,392	10,406	12,203	13,972	21,589	10,770	8,706	6,316	12,919	8,060	4,537
Critical (25%)	5,858	6,361	7,469	13,307	7,699	11,722	8,136	5,241	4,617	8,273	4,067	3,547

No Action Alternative (LLT) minus Existing Condition

Statistic	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-4,121	-8,070	638	7,257	19,886	4,179	2,801	-5,189	-2,098	3,537	-813	8,563
20%	-721	-7,951	-3,159	12,796	7,976	9,070	907	-376	899	3,337	-389	8,244
30%	367	1,465	-19	2,794	5,884	1,816	-1,046	-1,112	255	3,115	77	3,913
40%	830	2,353	-769	-10	-2,405	-1,566	-501	-1,245	7	1,704	-255	-417
50%	883	1,819	397	226	-705	-778	-917	-558	-72	818	230	-667
60%	895	-17	-493	-106	945	-2,955	106	-966	-16	-170	388	-1,041
70%	1,203	-717	362	1,754	-1,018	-2,560	-290	-96	-128	-166	-1,626	-1,059
80%	529	-781	-418	640	-2,114	-1,426	-204	158	617	-541	-1,689	81
90%	491	-60	-1,760	921	-126	-157	354	178	467	-1,498	-444	75
Long Term												
Full Simulation Period[a]	-354	-1,243	1,633	1,950	4,230	1,682	453	-1,767	-1,371	625	-519	1,784
Water Year Types[b]												
Wet (31%)	-2,408	-4,855	8,061	5,965	13,682	5,994	2,756	-6,160	-5,757	-995	-23	6,585
Above Normal (25%)	438	-1,199	544	1,141	11,644	6,216	-1,753	-3,270	-450	4,787	1,380	3,932
Below Normal (6%)	355	3,213	2,670	693	-4,570	-2,123	-501	-3,748	968	-1,756	-1,290	344
Dry (13%)	810	-585	-985	-344	-120	-1,457	-295	793	-207	2,142	-1,044	-1,332
Critical (25%)	-102	211	-1,186	1,147	-1,057	-310	281	697	370	-481	-1,100	-135

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-24-2. Sacramento River at Rio Vista, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	13,385	31,138	69,675	67,273	117,006	88,368	45,473	21,073	11,032	12,484	9,990	9,975
20%	8,340	25,692	19,018	57,369	80,159	56,966	17,880	11,286	7,475	11,265	9,178	7,158
30%	6,640	10,524	14,820	36,041	37,083	41,514	14,778	10,336	6,783	11,033	8,479	6,876
40%	5,804	6,981	13,297	19,373	28,310	28,913	11,217	9,543	6,605	10,748	8,386	6,309
50%	5,573	6,559	11,443	18,527	19,216	25,131	10,679	8,050	6,382	10,628	7,160	5,629
60%	5,315	6,139	9,972	14,974	11,621	22,730	9,402	7,432	6,017	10,451	6,603	5,548
70%	4,651	6,022	8,428	10,776	10,535	15,993	8,969	6,164	5,811	9,827	6,277	4,806
80%	4,314	5,493	7,075	9,795	10,135	11,611	8,453	5,245	4,405	8,212	5,916	3,606
90%	3,558	4,370	6,461	8,018	6,370	7,783	6,885	4,153	3,830	7,841	4,561	3,434
Long Term												
Full Simulation Period[a]	7,015	13,882	24,749	29,766	43,436	41,995	20,477	11,504	8,725	10,656	7,375	6,762
Water Year Types[b]												
Wet (31%)	10,652	31,489	68,384	50,337	104,544	98,550	47,110	23,167	17,294	13,330	8,218	11,761
Above Normal (25%)	4,462	7,684	13,591	72,714	73,083	50,754	22,220	12,873	7,812	9,516	7,215	6,858
Below Normal (6%)	7,265	6,122	6,422	18,492	30,475	23,872	11,217	11,286	7,475	11,265	8,443	5,548
Dry (13%)	5,912	10,977	11,391	12,546	14,092	23,047	11,064	7,913	6,523	10,777	9,104	5,869
Critical (25%)	5,960	6,150	8,654	12,160	8,757	12,031	7,855	4,544	4,247	8,754	5,167	3,682

Alternative 1A,1B,1C (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	15,682	16,272	65,792	65,568	132,408	84,642	41,811	12,254	9,547	12,698	7,588	6,566
20%	12,107	15,756	16,241	57,006	78,482	58,368	16,796	9,965	9,416	12,040	6,722	6,396
30%	9,074	11,019	15,033	34,297	34,552	38,583	12,231	9,321	8,127	10,506	5,805	5,614
40%	8,274	6,063	14,302	20,351	21,087	23,420	10,909	8,723	7,647	8,130	5,583	5,336
50%	6,127	5,868	12,340	17,779	15,928	18,759	10,030	7,733	7,161	7,781	5,169	5,021
60%	6,033	5,799	10,334	14,418	11,657	15,636	9,788	7,531	6,695	7,387	5,111	4,927
70%	5,880	5,703	9,918	11,419	10,427	13,444	9,503	7,205	6,433	6,953	5,063	4,836
80%	5,657	5,641	7,676	9,995	9,256	10,780	8,960	5,929	5,293	5,737	4,828	4,773
90%	4,748	5,212	6,211	7,846	7,875	7,990	8,391	4,685	5,033	5,494	4,725	4,704
Long Term												
Full Simulation Period[a]	8,772	10,979	26,062	28,558	44,210	40,264	19,659	9,211	7,548	9,067	6,054	5,409
Water Year Types[b]												
Wet (31%)	6,840	24,489	72,325	50,210	108,594	97,739	45,731	14,038	10,002	10,072	5,245	5,442
Above Normal (25%)	8,885	5,221	15,033	63,891	77,978	51,156	16,180	8,297	7,911	9,735	5,528	5,146
Below Normal (6%)	17,099	6,063	9,707	18,764	21,087	15,636	9,970	7,531	7,952	5,275	4,828	4,883
Dry (13%)	6,318	8,190	11,431	13,469	12,520	19,709	11,628	9,509	7,543	11,654	8,540	5,807
Critical (25%)	10,571	5,690	8,439	11,134	9,172	11,298	8,556	5,812	5,361	6,684	5,169	5,275

Alternative 1A,1B,1C (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,297	-14,865	-3,883	-1,705	15,402	-3,726	-3,662	-8,819	-1,485	214	-2,402	-3,409
20%	3,767	-9,935	-2,777	-363	-1,677	1,402	-1,084	-1,321	1,941	775	-2,456	-762
30%	2,434	495	213	-1,744	-2,531	-2,931	-2,547	-1,015	1,344	-527	-2,674	-1,263
40%	2,470	-919	1,004	978	-7,223	-5,493	-308	-820	1,041	-2,618	-2,803	-972
50%	554	-690	897	-747	-3,288	-6,372	-649	-316	779	-2,848	-1,991	-608
60%	718	-340	361	-556	35	-7,094	386	99	678	-3,064	-1,492	-621
70%	1,229	-319	1,490	643	-108	-2,549	534	1,041	622	-2,874	-1,214	30
80%	1,343	148	601	200	-879	-831	507	684	887	-2,475	-1,087	1,167
90%	1,190	842	-250	-173	1,505	207	1,506	532	1,204	-2,346	163	1,269
Long Term												
Full Simulation Period[a]	1,757	-2,902	1,313	-1,208	774	-1,731	-818	-2,294	-1,178	-1,589	-1,320	-1,353
Water Year Types[b]												
Wet (31%)	-3,812	-7,000	3,941	-127	4,050	-811	-1,379	-9,129	-7,291	-3,259	-2,973	-6,318
Above Normal (25%)	4,423	-2,463	1,442	-8,824	4,895	402	-6,039	-4,576	99	219	-1,687	-1,712
Below Normal (6%)	9,834	-59	3,285	272	-9,388	-8,236	-1,247	-3,755	477	-5,990	-3,615	-666
Dry (13%)	406	-2,787	40	922	-1,573	-3,338	564	1,596	1,021	877	-564	-63
Critical (25%)	4,611	-461	-216	-1,025	415	-734	701	1,268	1,114	-2,070	2	1,593

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-24-3. Sacramento River at Rio Vista, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	13,385	31,138	69,675	67,273	117,006	88,368	45,473	21,073	11,032	12,484	9,990	9,975
20%	8,340	25,692	19,018	57,369	80,159	56,966	17,880	11,286	7,475	11,265	9,178	7,158
30%	6,640	10,524	14,820	36,041	37,083	41,514	14,778	10,336	6,783	11,033	8,479	6,876
40%	5,804	6,981	13,297	19,373	28,310	28,913	11,217	9,543	6,605	10,748	8,386	6,309
50%	5,573	6,559	11,443	18,527	19,216	25,131	10,679	8,050	6,382	10,628	7,160	5,629
60%	5,315	6,139	9,972	14,974	11,621	22,730	9,402	7,432	6,017	10,451	6,603	5,548
70%	4,651	6,022	8,428	10,776	10,535	15,993	8,969	6,164	5,811	9,827	6,277	4,806
80%	4,314	5,493	7,075	9,795	10,135	11,611	8,453	5,245	4,405	8,212	5,916	3,606
90%	3,558	4,370	6,461	8,018	6,370	7,783	6,885	4,153	3,830	7,841	4,561	3,434
Long Term												
Full Simulation Period[a]	7,015	13,882	24,749	29,766	43,436	41,995	20,477	11,504	8,725	10,656	7,375	6,762
Water Year Types[b]												
Wet (31%)	10,652	31,489	68,384	50,337	104,544	98,550	47,110	23,167	17,294	13,330	8,218	11,761
Above Normal (25%)	4,462	7,684	13,591	72,714	73,083	50,754	22,220	12,873	7,812	9,516	7,215	6,858
Below Normal (6%)	7,265	6,122	6,422	18,492	30,475	23,872	11,217	11,286	7,475	11,265	8,443	5,548
Dry (13%)	5,912	10,977	11,391	12,546	14,092	23,047	11,064	7,913	6,523	10,777	9,104	5,869
Critical (25%)	5,960	6,150	8,654	12,160	8,757	12,031	7,855	4,544	4,247	8,754	5,167	3,682

Alternative 2A,2B,2C (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	8,611	16,266	62,935	65,314	129,719	83,431	41,782	12,258	9,124	13,710	8,288	13,229
20%	7,897	15,605	15,435	58,004	78,678	57,540	17,747	10,454	8,661	11,427	7,277	10,750
30%	7,182	9,110	14,365	34,349	33,196	36,091	10,734	9,337	8,294	11,030	6,237	8,455
40%	6,484	6,156	13,620	18,640	21,114	23,520	9,873	8,560	7,544	10,637	5,903	7,960
50%	6,371	6,014	11,912	16,102	15,928	18,806	9,449	8,135	7,090	9,508	5,265	6,671
60%	6,338	5,834	10,098	14,035	11,528	15,811	8,872	7,240	6,609	7,949	5,204	5,292
70%	6,128	5,749	9,207	12,348	9,711	12,161	8,619	6,105	6,168	6,856	5,168	4,863
80%	5,975	5,561	9,069	10,078	8,506	10,144	8,309	5,733	5,600	5,853	5,078	4,716
90%	4,159	5,191	7,159	8,876	6,065	8,189	7,941	4,679	5,241	5,422	4,758	4,662
Long Term												
Full Simulation Period[a]	6,723	10,435	25,568	28,555	43,390	39,453	19,124	9,121	7,484	9,597	6,111	7,765
Water Year Types[b]												
Wet (31%)	6,706	20,475	70,898	49,741	108,615	96,439	45,344	13,394	9,832	10,375	5,574	13,139
Above Normal (25%)	7,988	5,209	14,527	63,643	74,842	51,093	15,214	8,325	6,694	13,332	7,122	8,455
Below Normal (6%)	6,014	5,985	9,069	18,640	21,114	15,811	10,008	7,240	8,680	5,214	4,888	4,886
Dry (13%)	6,023	9,013	10,693	11,444	12,484	17,708	10,978	9,780	7,713	11,336	7,574	5,982
Critical (25%)	6,933	6,520	8,920	13,245	7,808	11,332	8,053	5,869	5,499	6,966	5,209	5,193

Alternative 2A,2B,2C (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-4,774	-14,872	-6,740	-1,959	12,713	-4,937	-3,691	-8,815	-1,908	1,226	-1,702	3,253
20%	-444	-10,087	-3,583	635	-1,481	574	-133	-832	1,186	162	-1,901	3,592
30%	542	-1,414	-454	-1,691	-3,887	-5,422	-4,043	-999	1,511	-2	-2,242	1,579
40%	680	-825	322	-733	-7,195	-5,392	-1,344	-983	939	-111	-2,483	1,652
50%	798	-544	468	-2,425	-3,288	-6,324	-1,230	85	708	-1,121	-1,895	1,042
60%	1,023	-305	126	-939	-93	-6,919	-530	-192	592	-2,502	-1,399	-256
70%	1,477	-273	779	1,572	-824	-3,831	-350	-59	357	-2,971	-1,109	57
80%	1,660	68	1,993	283	-1,629	-1,467	-144	488	1,195	-2,359	-837	1,110
90%	600	820	697	858	-304	405	1,056	526	1,411	-2,418	197	1,228
Long Term												
Full Simulation Period[a]	-292	-3,447	819	-1,210	-46	-2,543	-1,353	-2,384	-1,241	-1,059	-1,264	1,003
Water Year Types[b]												
Wet (31%)	-3,946	-11,014	2,514	-596	4,071	-2,111	-1,766	-9,772	-7,462	-2,956	-2,643	1,379
Above Normal (25%)	3,526	-2,475	936	-9,072	1,760	339	-7,005	-4,548	-1,119	3,815	-93	1,597
Below Normal (6%)	-1,251	-136	2,646	148	-9,360	-8,061	-1,209	-4,046	1,205	-6,051	-3,555	-662
Dry (13%)	111	-1,964	-698	-1,103	-1,608	-5,339	-87	1,867	1,190	558	-1,530	113
Critical (25%)	972	369	265	1,085	-949	-699	198	1,324	1,252	-1,788	42	1,511

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-24-4. Sacramento River at Rio Vista, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	13,385	31,138	69,675	67,273	117,006	88,368	45,473	21,073	11,032	12,484	9,990	9,975
20%	8,340	25,692	19,018	57,369	80,159	56,966	17,880	11,286	7,475	11,265	9,178	7,158
30%	6,640	10,524	14,820	36,041	37,083	41,514	14,778	10,336	6,783	11,033	8,479	6,876
40%	5,804	6,981	13,297	19,373	28,310	28,913	11,217	9,543	6,605	10,748	8,386	6,309
50%	5,573	6,559	11,443	18,527	19,216	25,131	10,679	8,050	6,382	10,628	7,160	5,629
60%	5,315	6,139	9,972	14,974	11,621	22,730	9,402	7,432	6,017	10,451	6,603	5,548
70%	4,651	6,022	8,428	10,776	10,535	15,993	8,969	6,164	5,811	9,827	6,277	4,806
80%	4,314	5,493	7,075	9,795	10,135	11,611	8,453	5,245	4,405	8,212	5,916	3,606
90%	3,558	4,370	6,461	8,018	6,370	7,783	6,885	4,153	3,830	7,841	4,561	3,434
Long Term												
Full Simulation Period[a]	7,015	13,882	24,749	29,766	43,436	41,995	20,477	11,504	8,725	10,656	7,375	6,762
Water Year Types[b]												
Wet (31%)	10,652	31,489	68,384	50,337	104,544	98,550	47,110	23,167	17,294	13,330	8,218	11,761
Above Normal (25%)	4,462	7,684	13,591	72,714	73,083	50,754	22,220	12,873	7,812	9,516	7,215	6,858
Below Normal (6%)	7,265	6,122	6,422	18,492	30,475	23,872	11,217	11,286	7,475	11,265	8,443	5,548
Dry (13%)	5,912	10,977	11,391	12,546	14,092	23,047	11,064	7,913	6,523	10,777	9,104	5,869
Critical (25%)	5,960	6,150	8,654	12,160	8,757	12,031	7,855	4,544	4,247	8,754	5,167	3,682

Alternative 3 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	15,940	21,340	72,862	71,007	131,806	88,662	44,667	15,328	11,902	13,238	7,864	6,795
20%	12,322	16,254	16,538	65,210	83,273	61,378	17,744	10,116	9,267	12,465	6,689	6,580
30%	10,350	6,892	15,214	35,578	39,496	40,591	12,594	9,324	7,746	10,292	6,186	6,178
40%	8,343	6,362	12,901	20,903	23,449	25,057	10,592	8,502	7,503	9,073	5,610	5,886
50%	7,217	6,155	12,478	18,393	16,677	20,536	9,899	7,771	7,044	7,569	5,183	5,154
60%	6,092	5,965	10,322	14,145	11,873	17,847	9,667	7,567	6,639	7,138	5,123	4,938
70%	5,936	5,840	9,787	10,625	10,342	14,146	9,209	7,213	6,235	6,995	5,072	4,901
80%	5,796	5,656	7,419	10,216	8,666	10,978	8,897	5,918	6,087	6,595	4,874	4,780
90%	4,756	5,578	6,185	9,364	7,098	8,002	8,442	4,704	4,999	5,359	4,709	4,704
Long Term												
Full Simulation Period[a]	9,172	11,493	27,043	30,237	46,055	41,752	20,346	9,753	8,005	9,195	5,946	5,671
Water Year Types[b]												
Wet (31%)	7,245	25,852	76,634	52,727	114,535	100,378	47,692	15,553	11,647	10,018	5,256	6,228
Above Normal (25%)	10,654	5,959	14,269	69,987	80,779	52,836	17,934	8,266	8,583	10,199	5,777	5,448
Below Normal (6%)	12,322	5,965	9,636	19,050	23,449	17,892	9,942	7,533	7,921	5,182	4,813	4,883
Dry (13%)	6,235	8,516	11,500	13,036	13,279	21,224	11,746	10,132	7,267	11,925	7,755	5,675
Critical (25%)	11,839	5,705	8,396	12,343	8,124	11,610	8,394	5,848	5,467	6,753	5,346	5,469

Alternative 3 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,555	**-9,798**	3,187	3,734	14,800	294	**-806**	**-5,745**	870	754	**-2,126**	**-3,181**
20%	3,982	**-9,438**	**-2,481**	7,841	3,114	4,412	**-137**	**-1,169**	1,792	1,200	**-2,490**	**-578**
30%	3,710	**-3,632**	394	**-463**	2,413	**-923**	**-2,184**	**-1,012**	963	**-741**	**-2,293**	**-698**
40%	2,540	**-620**	**-396**	1,530	**-4,861**	**-3,856**	**-625**	**-1,041**	897	**-1,675**	**-2,776**	**-423**
50%	1,644	**-403**	1,035	**-134**	**-2,539**	**-4,594**	**-780**	**-279**	662	**-3,060**	**-1,977**	**-475**
60%	778	**-174**	350	**-828**	252	**-4,882**	265	135	623	**-3,313**	**-1,481**	**-610**
70%	1,285	**-182**	1,359	**-151**	**-193**	**-1,847**	240	1,049	425	**-2,832**	**-1,205**	96
80%	1,482	163	344	421	**-1,469**	**-633**	444	673	1,682	**-1,617**	**-1,042**	1,174
90%	1,198	1,208	**-277**	1,346	729	219	1,557	551	1,169	**-2,481**	148	1,270
Long Term												
Full Simulation Period[a]	2,156	**-2,389**	2,295	471	2,620	**-244**	**-131**	**-1,752**	**-720**	**-1,461**	**-1,428**	**-1,091**
Water Year Types[b]												
Wet (31%)	**-3,407**	**-5,637**	8,250	2,389	9,991	1,827	582	**-7,614**	**-5,647**	**-3,312**	**-2,961**	**-5,532**
Above Normal (25%)	6,192	**-1,725**	678	**-2,727**	7,696	2,082	**-4,286**	**-4,607**	771	683	**-1,438**	**-1,410**
Below Normal (6%)	5,057	**-157**	3,214	557	**-7,026**	**-5,980**	**-1,275**	**-3,752**	446	**-6,083**	**-3,630**	**-665**
Dry (13%)	323	**-2,461**	109	489	**-813**	**-1,822**	682	2,219	744	1,147	**-1,349**	**-195**
Critical (25%)	5,879	**-445**	**-259**	183	**-633**	**-421**	538	1,304	1,220	**-2,001**	179	1,787

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-24-5. Sacramento River at Rio Vista, Monthly Flow

Existing Condition

Statistic	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	13,385	31,138	69,675	67,273	117,006	88,368	45,473	21,073	11,032	12,484	9,990	9,975
20%	8,340	25,692	19,018	57,369	80,159	56,966	17,880	11,286	7,475	11,265	9,178	7,158
30%	6,640	10,524	14,820	36,041	37,083	41,514	14,778	10,336	6,783	11,033	8,479	6,876
40%	5,804	6,981	13,297	19,373	28,310	28,913	11,217	9,543	6,605	10,748	8,386	6,309
50%	5,573	6,559	11,443	18,527	19,216	25,131	10,679	8,050	6,382	10,628	7,160	5,629
60%	5,315	6,139	9,972	14,974	11,621	22,730	9,402	7,432	6,017	10,451	6,603	5,548
70%	4,651	6,022	8,428	10,776	10,535	15,993	8,969	6,164	5,811	9,827	6,277	4,806
80%	4,314	5,493	7,075	9,795	10,135	11,611	8,453	5,245	4,405	8,212	5,916	3,606
90%	3,558	4,370	6,461	8,018	6,370	7,783	6,885	4,153	3,830	7,841	4,561	3,434
Long Term												
Full Simulation Period[a]	7,015	13,882	24,749	29,766	43,436	41,995	20,477	11,504	8,725	10,656	7,375	6,762
Water Year Types[b]												
Wet (31%)	10,652	31,489	68,384	50,337	104,544	98,550	47,110	23,167	17,294	13,330	8,218	11,761
Above Normal (25%)	4,462	7,684	13,591	72,714	73,083	50,754	22,220	12,873	7,812	9,516	7,215	6,858
Below Normal (6%)	7,265	6,122	6,422	18,492	30,475	23,872	11,217	11,286	7,475	11,265	8,443	5,548
Dry (13%)	5,912	10,977	11,391	12,546	14,092	23,047	11,064	7,913	6,523	10,777	9,104	5,869
Critical (25%)	5,960	6,150	8,654	12,160	8,757	12,031	7,855	4,544	4,247	8,754	5,167	3,682

Alternative 4 H1 (LLT)

Statistic	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,187	20,206	70,333	69,311	131,443	84,866	42,136	13,435	8,687	16,133	8,817	7,442
20%	8,529	15,767	16,431	62,099	80,671	58,773	17,570	10,493	8,326	12,145	7,696	6,940
30%	7,726	6,060	14,883	34,015	35,932	39,941	10,778	9,303	7,973	11,416	6,872	6,212
40%	7,300	5,874	13,803	18,875	22,404	24,169	9,735	8,343	7,734	11,352	6,060	5,466
50%	6,161	5,808	12,500	17,414	15,977	19,034	9,484	7,493	7,101	8,679	5,909	5,057
60%	6,100	5,754	10,759	16,746	11,723	16,738	9,134	7,197	6,881	7,212	5,204	4,944
70%	5,752	5,664	8,791	15,024	9,588	12,104	8,756	6,125	6,156	6,974	5,161	4,923
80%	5,246	5,655	8,534	13,219	8,581	10,139	8,495	5,732	5,642	5,840	5,067	4,884
90%	4,453	5,216	6,830	9,576	6,733	8,167	7,839	4,652	5,013	5,333	4,755	4,727
Long Term												
Full Simulation Period[a]	6,773	10,865	26,648	30,202	44,809	40,420	19,262	9,150	7,395	9,901	6,516	5,809
Water Year Types[b]												
Wet (31%)	6,148	24,185	74,734	50,831	111,664	97,830	45,634	13,817	9,748	11,418	6,197	5,655
Above Normal (25%)	7,320	5,270	14,560	69,393	78,491	51,457	15,495	8,165	6,553	13,996	7,179	5,500
Below Normal (6%)	8,949	5,874	8,969	18,875	22,404	16,738	9,925	7,197	8,335	5,044	4,852	4,884
Dry (13%)	5,663	8,332	11,013	12,279	12,552	19,716	11,096	9,616	7,648	11,876	8,459	7,062
Critical (25%)	7,508	5,473	9,058	14,626	8,138	11,378	8,070	5,829	5,458	6,441	5,285	5,237

Alternative 4 H1 (LLT) minus Existing Condition

Statistic	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-4,198	-10,932	658	2,038	14,437	-3,502	-3,338	-7,638	-2,345	3,649	-1,173	-2,533
20%	189	-9,924	-2,587	4,730	512	1,807	-310	-792	851	880	-1,483	-218
30%	1,086	-4,464	63	-2,026	-1,151	-1,573	-4,000	-1,033	1,190	383	-1,607	-664
40%	1,497	-1,107	506	-499	-5,905	-4,744	-1,483	-1,200	1,129	604	-2,326	-842
50%	588	-751	1,057	-1,113	-3,239	-6,097	-1,195	-557	718	-1,949	-1,251	-572
60%	785	-385	786	1,772	101	-5,992	-268	-235	865	-3,239	-1,400	-604
70%	1,101	-358	362	4,249	-947	-3,888	-213	-40	346	-2,853	-1,116	117
80%	932	163	1,459	3,424	-1,554	-1,472	42	486	1,237	-2,373	-848	1,278
90%	894	846	369	1,558	363	384	954	499	1,184	-2,507	194	1,293
Long Term												
Full Simulation Period[a]	-242	-3,016	1,899	436	1,373	-1,575	-1,215	-2,354	-1,330	-755	-858	-953
Water Year Types[b]												
Wet (31%)	-4,504	-7,304	6,350	494	7,120	-720	-1,476	-9,350	-7,545	-1,913	-2,020	-6,105
Above Normal (25%)	2,858	-2,414	968	-3,321	5,408	703	-6,725	-4,708	-1,259	4,480	-37	-1,358
Below Normal (6%)	1,684	-247	2,547	382	-8,070	-7,134	-1,292	-4,088	860	-6,221	-3,591	-664
Dry (13%)	-249	-2,645	-377	-267	-1,541	-3,330	32	1,703	1,125	1,098	-645	1,193
Critical (25%)	1,547	-678	404	2,466	-619	-653	215	1,284	1,211	-2,313	118	1,555

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-24-6. Sacramento River at Rio Vista, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	13,385	31,138	69,675	67,273	117,006	88,368	45,473	21,073	11,032	12,484	9,990	9,975
20%	8,340	25,692	19,018	57,369	80,159	56,966	17,880	11,286	7,475	11,265	9,178	7,158
30%	6,640	10,524	14,820	36,041	37,083	41,514	14,778	10,336	6,783	11,033	8,479	6,876
40%	5,804	6,981	13,297	19,373	28,310	28,913	11,217	9,543	6,605	10,748	8,386	6,309
50%	5,573	6,559	11,443	18,527	19,216	25,131	10,679	8,050	6,382	10,628	7,160	5,629
60%	5,315	6,139	9,972	14,974	11,621	22,730	9,402	7,432	6,017	10,451	6,603	5,548
70%	4,651	6,022	8,428	10,776	10,535	15,993	8,969	6,164	5,811	9,827	6,277	4,806
80%	4,314	5,493	7,075	9,795	10,135	11,611	8,453	5,245	4,405	8,212	5,916	3,606
90%	3,558	4,370	6,461	8,018	6,370	7,783	6,885	4,153	3,830	7,841	4,561	3,434
Long Term												
Full Simulation Period[a]	7,015	13,882	24,749	29,766	43,436	41,995	20,477	11,504	8,725	10,656	7,375	6,762
Water Year Types[b]												
Wet (31%)	10,652	31,489	68,384	50,337	104,544	98,550	47,110	23,167	17,294	13,330	8,218	11,761
Above Normal (25%)	4,462	7,684	13,591	72,714	73,083	50,754	22,220	12,873	7,812	9,516	7,215	6,858
Below Normal (6%)	7,265	6,122	6,422	18,492	30,475	23,872	11,217	11,286	7,475	11,265	8,443	5,548
Dry (13%)	5,912	10,977	11,391	12,546	14,092	23,047	11,064	7,913	6,523	10,777	9,104	5,869
Critical (25%)	5,960	6,150	8,654	12,160	8,757	12,031	7,855	4,544	4,247	8,754	5,167	3,682

Alternative 4 H2 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	11,319	20,957	71,876	69,443	130,968	85,167	44,614	14,191	8,816	10,402	8,451	6,601
20%	9,723	16,570	17,025	61,275	80,681	58,799	22,884	12,714	7,482	9,830	7,564	6,591
30%	6,956	5,908	15,421	34,034	37,388	41,208	19,393	10,849	7,036	9,228	6,815	5,999
40%	6,484	5,874	14,600	18,828	22,729	24,278	12,457	9,884	7,015	8,503	5,901	5,454
50%	6,150	5,833	11,474	16,530	16,139	19,688	9,461	8,361	6,170	7,778	5,827	5,221
60%	6,109	5,751	7,988	14,157	11,292	17,447	8,909	7,602	6,073	7,192	5,197	4,978
70%	6,036	5,715	6,997	13,930	9,550	12,735	8,799	6,573	5,835	6,147	5,126	4,936
80%	5,112	5,636	6,967	10,757	8,522	10,146	8,045	5,410	5,456	5,698	5,025	4,901
90%	4,792	5,084	5,946	9,886	6,285	7,925	7,684	4,610	4,944	4,997	4,846	4,776
Long Term												
Full Simulation Period[a]	7,112	11,016	26,276	30,260	44,980	40,779	21,183	9,848	6,940	7,895	6,294	5,566
Water Year Types[b]												
Wet (31%)	6,479	24,560	75,539	50,782	111,759	97,887	49,765	15,190	8,985	8,464	6,109	5,733
Above Normal (25%)	7,929	5,183	15,421	72,371	79,764	51,813	24,080	11,527	6,345	7,513	6,821	5,135
Below Normal (6%)	5,112	5,827	7,009	18,828	23,432	18,657	10,003	7,602	8,694	5,221	4,850	4,901
Dry (13%)	5,792	8,437	10,307	11,735	12,546	20,160	10,645	9,285	6,907	9,867	7,621	5,631
Critical (25%)	8,747	5,616	7,836	14,106	7,900	11,598	7,824	5,802	5,217	6,549	5,460	5,686

Alternative 4 H2 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	**-2,066**	**-10,180**	2,201	2,170	13,962	**-3,201**	**-859**	**-6,882**	**-2,216**	**-2,082**	**-1,540**	**-3,374**
20%	1,382	**-9,122**	**-1,993**	3,906	522	1,833	5,004	1,429	7	**-1,435**	**-1,614**	**-567**
30%	316	**-4,616**	601	**-2,007**	305	**-306**	4,615	513	253	**-1,805**	**-1,664**	**-877**
40%	680	**-1,107**	1,303	**-545**	**-5,580**	**-4,634**	1,240	341	410	**-2,245**	**-2,484**	**-854**
50%	577	**-726**	31	**-1,997**	**-3,077**	**-5,442**	**-1,218**	311	**-212**	**-2,851**	**-1,333**	**-408**
60%	795	**-389**	**-1,984**	**-816**	**-330**	**-5,282**	**-493**	170	56	**-3,259**	**-1,406**	**-570**
70%	1,385	**-307**	**-1,432**	3,154	**-985**	**-3,258**	**-170**	409	24	**-3,679**	**-1,151**	130
80%	797	143	**-109**	962	**-1,613**	**-1,465**	**-408**	165	1,051	**-2,514**	**-890**	1,295
90%	1,234	714	**-516**	1,867	**-84**	142	798	456	1,114	**-2,844**	285	1,342
Long Term												
Full Simulation Period[a]	97	**-2,865**	1,527	494	1,544	**-1,217**	706	**-1,657**	**-1,785**	**-2,761**	**-1,080**	**-1,196**
Water Year Types[b]												
Wet (31%)	**-4,173**	**-6,929**	7,155	444	7,215	**-664**	2,655	**-7,976**	**-8,309**	**-4,866**	**-2,109**	**-6,028**
Above Normal (25%)	3,466	**-2,501**	1,830	**-344**	6,681	1,059	1,861	**-1,346**	**-1,467**	**-2,003**	**-394**	**-1,723**
Below Normal (6%)	**-2,153**	**-294**	587	336	**-7,042**	**-5,215**	**-1,214**	**-3,684**	1,218	**-6,044**	**-3,593**	**-647**
Dry (13%)	**-120**	**-2,540**	**-1,084**	**-811**	**-1,546**	**-2,887**	**-420**	1,372	384	**-910**	**-1,483**	**-239**
Critical (25%)	2,787	**-535**	**-818**	1,946	**-857**	**-433**	**-31**	1,257	970	**-2,205**	293	2,003

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-24-7. Sacramento River at Rio Vista, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	13,385	31,138	69,675	67,273	117,006	88,368	45,473	21,073	11,032	12,484	9,990	9,975
20%	8,340	25,692	19,018	57,369	80,159	56,966	17,880	11,286	7,475	11,265	9,178	7,158
30%	6,640	10,524	14,820	36,041	37,083	41,514	14,778	10,336	6,783	11,033	8,479	6,876
40%	5,804	6,981	13,297	19,373	28,310	28,913	11,217	9,543	6,605	10,748	8,386	6,309
50%	5,573	6,559	11,443	18,527	19,216	25,131	10,679	8,050	6,382	10,628	7,160	5,629
60%	5,315	6,139	9,972	14,974	11,621	22,730	9,402	7,432	6,017	10,451	6,603	5,548
70%	4,651	6,022	8,428	10,776	10,535	15,993	8,969	6,164	5,811	9,827	6,277	4,806
80%	4,314	5,493	7,075	9,795	10,135	11,611	8,453	5,245	4,405	8,212	5,916	3,606
90%	3,558	4,370	6,461	8,018	6,370	7,783	6,885	4,153	3,830	7,841	4,561	3,434
Long Term												
Full Simulation Period[a]	7,015	13,882	24,749	29,766	43,436	41,995	20,477	11,504	8,725	10,656	7,375	6,762
Water Year Types[b]												
Wet (31%)	10,652	31,489	68,384	50,337	104,544	98,550	47,110	23,167	17,294	13,330	8,218	11,761
Above Normal (25%)	4,462	7,684	13,591	72,714	73,083	50,754	22,220	12,873	7,812	9,516	7,215	6,858
Below Normal (6%)	7,265	6,122	6,422	18,492	30,475	23,872	11,217	11,286	7,475	11,265	8,443	5,548
Dry (13%)	5,912	10,977	11,391	12,546	14,092	23,047	11,064	7,913	6,523	10,777	9,104	5,869
Critical (25%)	5,960	6,150	8,654	12,160	8,757	12,031	7,855	4,544	4,247	8,754	5,167	3,682

Alternative 4 H3 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	7,902	20,299	67,654	68,440	129,825	83,941	42,111	13,378	8,934	16,151	8,750	13,134
20%	7,108	16,225	15,438	60,964	80,614	58,768	17,632	10,452	8,344	11,981	7,745	11,002
30%	6,513	9,062	15,022	34,339	36,140	37,764	10,757	9,278	8,016	11,425	6,809	8,226
40%	6,326	6,146	14,273	19,023	22,457	24,197	9,746	8,503	7,832	10,706	5,881	8,131
50%	6,270	6,003	12,650	17,866	16,140	19,018	8,985	8,038	7,017	8,062	5,201	6,982
60%	5,976	5,842	10,134	16,398	11,697	16,750	8,743	7,192	6,602	7,434	5,183	6,544
70%	5,746	5,737	9,192	12,317	9,734	12,186	8,547	6,098	6,121	6,714	5,110	4,917
80%	5,461	5,592	9,004	10,070	8,505	10,148	8,299	5,728	5,600	5,990	5,070	4,789
90%	4,644	5,205	6,134	8,753	6,165	8,162	7,921	4,666	5,012	5,283	4,915	4,654
Long Term												
Full Simulation Period[a]	6,549	11,004	26,287	29,387	44,322	39,905	19,231	9,224	7,400	9,750	6,273	7,860
Water Year Types[b]												
Wet (31%)	6,196	22,944	73,456	50,590	110,326	96,808	45,956	13,812	9,728	11,283	6,222	13,060
Above Normal (25%)	8,879	5,289	15,374	66,617	77,768	51,417	15,538	8,255	6,598	13,969	7,247	8,226
Below Normal (6%)	5,976	5,969	6,844	18,734	22,457	16,750	9,908	7,192	8,799	5,085	4,852	4,883
Dry (13%)	6,007	8,989	10,752	11,568	12,633	18,617	10,929	9,834	7,644	11,635	7,625	6,527
Critical (25%)	6,447	6,357	9,234	13,919	7,866	11,440	7,835	5,861	5,382	6,260	5,126	5,217

Alternative 4 H3 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	**-5,483**	**-10,839**	**-2,021**	1,168	12,819	**-4,426**	**-3,363**	**-7,695**	**-2,098**	3,667	**-1,240**	3,159
20%	**-1,233**	**-9,467**	**-3,580**	3,595	455	1,802	**-248**	**-834**	869	716	**-1,433**	3,844
30%	**-127**	**-1,461**	203	**-1,702**	**-944**	**-3,750**	**-4,021**	**-1,058**	1,233	393	**-1,670**	1,349
40%	522	**-836**	976	**-351**	**-5,852**	**-4,715**	**-1,472**	**-1,040**	1,227	**-43**	**-2,504**	1,822
50%	697	**-555**	1,206	**-661**	**-3,076**	**-6,113**	**-1,694**	**-12**	634	**-2,567**	**-1,959**	1,353
60%	661	**-297**	161	1,425	76	**-5,980**	**-659**	**-239**	585	**-3,017**	**-1,420**	996
70%	1,095	**-285**	763	1,542	**-801**	**-3,807**	**-422**	**-66**	311	**-3,113**	**-1,168**	111
80%	1,146	99	1,929	275	**-1,629**	**-1,463**	**-154**	483	1,195	**-2,222**	**-845**	1,183
90%	1,086	835	**-327**	734	**-205**	378	1,036	513	1,182	**-2,557**	354	1,219
Long Term												
Full Simulation Period[a]	**-467**	**-2,877**	1,539	**-379**	887	**-2,090**	**-1,246**	**-2,280**	**-1,326**	**-906**	**-1,102**	1,098
Water Year Types[b]												
Wet (31%)	**-4,456**	**-8,545**	5,071	253	5,782	**-1,743**	**-1,154**	**-9,355**	**-7,566**	**-2,047**	**-1,996**	1,299
Above Normal (25%)	4,416	**-2,395**	1,783	**-6,098**	4,685	663	**-6,682**	**-4,619**	**-1,215**	4,453	32	1,368
Below Normal (6%)	**-1,289**	**-152**	422	242	**-8,017**	**-7,122**	**-1,310**	**-4,093**	1,324	**-6,180**	**-3,591**	**-665**
Dry (13%)	95	**-1,988**	**-638**	**-978**	**-1,460**	**-4,430**	**-136**	1,921	1,121	858	**-1,479**	658
Critical (25%)	487	207	579	1,759	**-891**	**-591**	**-21**	1,316	1,135	**-2,494**	**-41**	1,534

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-24-8. Sacramento River at Rio Vista, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	13,385	31,138	69,675	67,273	117,006	88,368	45,473	21,073	11,032	12,484	9,990	9,975
20%	8,340	25,692	19,018	57,369	80,159	56,966	17,880	11,286	7,475	11,265	9,178	7,158
30%	6,640	10,524	14,820	36,041	37,083	41,514	14,778	10,336	6,783	11,033	8,479	6,876
40%	5,804	6,981	13,297	19,373	28,310	28,913	11,217	9,543	6,605	10,748	8,386	6,309
50%	5,573	6,559	11,443	18,527	19,216	25,131	10,679	8,050	6,382	10,628	7,160	5,629
60%	5,315	6,139	9,972	14,974	11,621	22,730	9,402	7,432	6,017	10,451	6,603	5,548
70%	4,651	6,022	8,428	10,776	10,535	15,993	8,969	6,164	5,811	9,827	6,277	4,806
80%	4,314	5,493	7,075	9,795	10,135	11,611	8,453	5,245	4,405	8,212	5,916	3,606
90%	3,558	4,370	6,461	8,018	6,370	7,783	6,885	4,153	3,830	7,841	4,561	3,434
Long Term												
Full Simulation Period[a]	7,015	13,882	24,749	29,766	43,436	41,995	20,477	11,504	8,725	10,656	7,375	6,762
Water Year Types[b]												
Wet (31%)	10,652	31,489	68,384	50,337	104,544	98,550	47,110	23,167	17,294	13,330	8,218	11,761
Above Normal (25%)	4,462	7,684	13,591	72,714	73,083	50,754	22,220	12,873	7,812	9,516	7,215	6,858
Below Normal (6%)	7,265	6,122	6,422	18,492	30,475	23,872	11,217	11,286	7,475	11,265	8,443	5,548
Dry (13%)	5,912	10,977	11,391	12,546	14,092	23,047	11,064	7,913	6,523	10,777	9,104	5,869
Critical (25%)	5,960	6,150	8,654	12,160	8,757	12,031	7,855	4,544	4,247	8,754	5,167	3,682

Alternative 4 H4 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,283	19,018	67,659	69,456	129,929	85,549	44,707	14,073	8,689	10,248	8,349	13,185
20%	8,723	16,197	15,493	61,806	80,704	58,800	22,883	12,606	7,378	9,332	7,560	10,381
30%	7,074	9,097	14,825	34,032	37,181	40,325	19,366	10,789	7,035	8,667	7,409	8,235
40%	6,527	6,063	14,503	18,850	22,726	24,219	12,591	9,786	6,786	8,107	6,146	7,050
50%	6,428	5,899	11,439	16,355	16,119	19,085	9,610	8,338	6,169	7,296	5,945	6,223
60%	6,325	5,792	9,247	13,707	11,373	16,792	8,897	7,606	6,063	6,280	5,688	6,122
70%	6,098	5,741	8,289	10,433	9,548	12,198	8,468	6,460	5,836	6,133	5,449	5,665
80%	5,915	5,644	7,416	9,041	8,501	10,155	8,066	5,409	5,657	6,004	5,155	5,214
90%	4,355	5,163	6,207	8,189	6,382	7,862	7,826	4,596	4,942	5,446	4,971	4,877
Long Term												
Full Simulation Period[a]	6,957	11,052	25,873	29,198	44,509	40,429	21,200	9,803	6,912	7,722	6,459	7,803
Water Year Types[b]												
Wet (31%)	7,333	23,063	73,487	50,695	110,418	97,703	49,806	15,095	8,987	8,423	6,325	12,929
Above Normal (25%)	8,674	5,191	15,201	71,368	78,819	51,598	24,191	11,409	6,348	7,516	6,821	8,235
Below Normal (6%)	5,966	5,945	8,526	18,850	22,847	16,792	9,962	7,606	8,439	5,210	4,871	4,972
Dry (13%)	6,011	8,892	10,107	11,586	12,537	19,832	10,425	9,260	6,820	9,067	7,637	5,724
Critical (25%)	6,925	6,538	8,131	11,292	7,969	11,349	7,986	5,802	5,244	6,669	5,798	5,758

Alternative 4 H4 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	**-4,102**	**-12,119**	**-2,016**	2,184	12,923	**-2,819**	**-766**	**-7,001**	**-2,343**	**-2,236**	**-1,641**	3,209
20%	382	**-9,494**	**-3,526**	4,437	545	1,833	5,002	1,320	**-97**	**-1,933**	**-1,618**	3,222
30%	434	**-1,427**	5	**-2,009**	98	**-1,189**	4,588	453	252	**-2,366**	**-1,070**	1,359
40%	723	**-918**	1,206	**-523**	**-5,584**	**-4,694**	1,374	243	180	**-2,641**	**-2,240**	742
50%	855	**-660**	**-5**	**-2,172**	**-3,097**	**-6,045**	**-1,069**	288	**-213**	**-3,332**	**-1,214**	595
60%	1,010	**-347**	**-725**	**-1,267**	**-248**	**-5,938**	**-505**	175	46	**-4,171**	**-916**	574
70%	1,447	**-281**	**-139**	**-343**	**-987**	**-3,795**	**-501**	295	25	**-3,693**	**-828**	859
80%	1,601	151	341	**-754**	**-1,634**	**-1,456**	**-387**	163	1,252	**-2,208**	**-761**	1,608
90%	797	793	**-254**	171	12	78	941	443	1,112	**-2,394**	410	1,443
Long Term												
Full Simulation Period[a]	**-58**	**-2,829**	1,124	**-568**	1,074	**-1,566**	723	**-1,701**	**-1,814**	**-2,935**	**-915**	1,040
Water Year Types[b]												
Wet (31%)	**-3,319**	**-8,426**	5,103	358	5,874	**-847**	2,696	**-8,072**	**-8,307**	**-4,908**	**-1,893**	1,168
Above Normal (25%)	4,211	**-2,494**	1,610	**-1,346**	5,737	844	1,971	**-1,465**	**-1,465**	**-2,000**	**-394**	1,377
Below Normal (6%)	**-1,298**	**-177**	2,104	358	**-7,628**	**-7,080**	**-1,256**	**-3,679**	964	**-6,055**	**-3,572**	**-577**
Dry (13%)	99	**-2,085**	**-1,284**	**-961**	**-1,556**	**-3,215**	**-640**	1,347	297	**-1,711**	**-1,467**	**-146**
Critical (25%)	964	388	**-523**	**-868**	**-788**	**-683**	130	1,257	998	**-2,085**	631	2,076

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-24-9. Sacramento River at Rio Vista, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	13,385	31,138	69,675	67,273	117,006	88,368	45,473	21,073	11,032	12,484	9,990	9,975
20%	8,340	25,692	19,018	57,369	80,159	56,966	17,880	11,286	7,475	11,265	9,178	7,158
30%	6,640	10,524	14,820	36,041	37,083	41,514	14,778	10,336	6,783	11,033	8,479	6,876
40%	5,804	6,981	13,297	19,373	28,310	28,913	11,217	9,543	6,605	10,748	8,386	6,309
50%	5,573	6,559	11,443	18,527	19,216	25,131	10,679	8,050	6,382	10,628	7,160	5,629
60%	5,315	6,139	9,972	14,974	11,621	22,730	9,402	7,432	6,017	10,451	6,603	5,548
70%	4,651	6,022	8,428	10,776	10,535	15,993	8,969	6,164	5,811	9,827	6,277	4,806
80%	4,314	5,493	7,075	9,795	10,135	11,611	8,453	5,245	4,405	8,212	5,916	3,606
90%	3,558	4,370	6,461	8,018	6,370	7,783	6,885	4,153	3,830	7,841	4,561	3,434
Long Term												
Full Simulation Period[a]	7,015	13,882	24,749	29,766	43,436	41,995	20,477	11,504	8,725	10,656	7,375	6,762
Water Year Types[b]												
Wet (31%)	10,652	31,489	68,384	50,337	104,544	98,550	47,110	23,167	17,294	13,330	8,218	11,761
Above Normal (25%)	4,462	7,684	13,591	72,714	73,083	50,754	22,220	12,873	7,812	9,516	7,215	6,858
Below Normal (6%)	7,265	6,122	6,422	18,492	30,475	23,872	11,217	11,286	7,475	11,265	8,443	5,548
Dry (13%)	5,912	10,977	11,391	12,546	14,092	23,047	11,064	7,913	6,523	10,777	9,104	5,869
Critical (25%)	5,960	6,150	8,654	12,160	8,757	12,031	7,855	4,544	4,247	8,754	5,167	3,682

Alternative 5 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	10,127	22,572	72,797	73,389	134,742	89,017	47,090	15,405	11,034	13,996	9,815	15,373
20%	8,145	16,794	15,992	66,062	85,802	63,951	18,254	9,771	10,073	12,945	8,744	12,954
30%	7,906	10,172	14,854	37,764	41,064	42,308	12,428	9,294	8,877	12,315	8,050	9,161
40%	7,351	7,806	14,090	19,239	24,893	26,354	11,017	8,058	8,150	12,071	5,971	5,546
50%	6,785	7,109	12,314	18,324	17,584	22,716	9,980	7,492	7,968	10,792	5,497	5,472
60%	6,124	6,575	10,328	14,768	11,966	18,782	9,146	6,920	7,236	10,129	5,213	5,192
70%	5,810	6,130	10,003	12,479	10,661	13,132	9,106	6,215	6,758	8,158	5,206	5,000
80%	5,563	5,765	7,169	10,404	8,891	10,597	8,933	5,899	5,688	7,326	4,641	4,783
90%	4,734	5,559	6,240	9,067	6,396	8,426	8,441	4,761	5,259	5,502	4,584	4,708
Long Term												
Full Simulation Period[a]	7,026	12,179	27,145	31,303	46,847	42,642	20,789	9,662	8,582	10,345	6,639	8,147
Water Year Types[b]												
Wet (31%)	7,316	26,331	77,009	54,460	115,816	101,846	48,898	16,168	12,886	11,328	7,488	15,395
Above Normal (25%)	5,643	6,633	15,041	73,030	82,716	55,353	18,606	8,688	9,112	12,688	6,975	9,161
Below Normal (6%)	5,916	6,678	10,056	19,239	24,893	19,702	10,252	7,377	10,117	10,225	5,496	4,576
Dry (13%)	6,382	9,336	11,024	12,196	13,502	21,029	11,261	9,321	7,523	11,466	8,105	5,053
Critical (25%)	8,083	6,451	8,409	13,783	8,393	12,073	8,903	5,575	5,467	7,750	4,880	5,134

Alternative 5 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	**-3,258**	**-8,566**	3,121	6,117	17,736	649	1,616	**-5,668**	2	1,512	**-175**	5,398
20%	**-196**	**-8,897**	**-3,026**	8,693	5,643	6,985	373	**-1,515**	2,598	1,680	**-435**	5,796
30%	1,266	**-352**	34	1,723	3,981	794	**-2,350**	**-1,041**	2,095	1,282	**-429**	2,284
40%	1,547	825	792	**-134**	**-3,417**	**-2,558**	**-200**	**-1,485**	1,545	1,323	**-2,414**	**-763**
50%	1,212	550	870	**-203**	**-1,632**	**-2,415**	**-699**	**-558**	1,586	163	**-1,662**	**-157**
60%	810	436	355	**-205**	345	**-3,947**	**-256**	**-511**	1,219	**-323**	**-1,390**	**-356**
70%	1,159	108	1,575	1,703	126	**-2,861**	137	51	948	**-1,669**	**-1,072**	194
80%	1,249	272	94	609	**-1,244**	**-1,014**	480	654	1,283	**-886**	**-1,274**	1,177
90%	1,176	1,189	**-222**	1,049	27	643	1,555	608	1,430	**-2,338**	23	1,274
Long Term												
Full Simulation Period[a]	10	**-1,702**	2,396	1,537	3,412	647	312	**-1,843**	**-143**	**-311**	**-736**	1,385
Water Year Types[b]												
Wet (31%)	**-3,336**	**-5,158**	8,625	4,122	11,272	3,295	1,788	**-6,999**	**-4,408**	**-2,002**	**-729**	3,635
Above Normal (25%)	1,181	**-1,051**	1,450	316	9,633	4,599	**-3,613**	**-4,185**	1,299	3,171	**-240**	2,303
Below Normal (6%)	**-1,348**	557	3,633	746	**-5,582**	**-4,170**	**-965**	**-3,908**	2,642	**-1,040**	**-2,947**	**-972**
Dry (13%)	470	**-1,641**	**-367**	**-350**	**-591**	**-2,018**	196	1,408	1,000	689	**-999**	**-816**
Critical (25%)	2,123	301	**-246**	1,624	**-364**	42	1,048	1,031	1,220	**-1,004**	**-287**	1,451

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-24-10. Sacramento River at Rio Vista, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	13,385	31,138	69,675	67,273	117,006	88,368	45,473	21,073	11,032	12,484	9,990	9,975
20%	8,340	25,692	19,018	57,369	80,159	56,966	17,880	11,286	7,475	11,265	9,178	7,158
30%	6,640	10,524	14,820	36,041	37,083	41,514	14,778	10,336	6,783	11,033	8,479	6,876
40%	5,804	6,981	13,297	19,373	28,310	28,913	11,217	9,543	6,605	10,748	8,386	6,309
50%	5,573	6,559	11,443	18,527	19,216	25,131	10,679	8,050	6,382	10,628	7,160	5,629
60%	5,315	6,139	9,972	14,974	11,621	22,730	9,402	7,432	6,017	10,451	6,603	5,548
70%	4,651	6,022	8,428	10,776	10,535	15,993	8,969	6,164	5,811	9,827	6,277	4,806
80%	4,314	5,493	7,075	9,795	10,135	11,611	8,453	5,245	4,405	8,212	5,916	3,606
90%	3,558	4,370	6,461	8,018	6,370	7,783	6,885	4,153	3,830	7,841	4,561	3,434
Long Term												
Full Simulation Period[a]	7,015	13,882	24,749	29,766	43,436	41,995	20,477	11,504	8,725	10,656	7,375	6,762
Water Year Types[b]												
Wet (31%)	10,652	31,489	68,384	50,337	104,544	98,550	47,110	23,167	17,294	13,330	8,218	11,761
Above Normal (25%)	4,462	7,684	13,591	72,714	73,083	50,754	22,220	12,873	7,812	9,516	7,215	6,858
Below Normal (6%)	7,265	6,122	6,422	18,492	30,475	23,872	11,217	11,286	7,475	11,265	8,443	5,548
Dry (13%)	5,912	10,977	11,391	12,546	14,092	23,047	11,064	7,913	6,523	10,777	9,104	5,869
Critical (25%)	5,960	6,150	8,654	12,160	8,757	12,031	7,855	4,544	4,247	8,754	5,167	3,682

Alternative 6A,6B,6C (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	6,731	22,333	73,043	64,733	126,108	83,610	40,942	11,700	8,154	6,717	5,298	10,663
20%	6,477	14,747	15,743	59,700	78,498	57,725	17,250	8,784	6,476	5,292	5,229	6,517
30%	5,822	9,194	14,735	34,284	34,353	36,976	10,675	8,069	6,327	5,262	5,169	6,001
40%	5,744	6,028	13,067	18,674	22,235	23,425	9,798	7,709	6,023	5,173	5,107	5,097
50%	5,684	5,870	11,103	17,172	16,109	18,934	9,114	6,986	5,965	4,806	5,045	5,028
60%	5,475	5,773	8,127	13,631	14,698	15,850	8,667	6,412	5,901	4,723	4,928	4,903
70%	5,311	5,701	7,000	10,762	10,799	12,201	8,583	5,736	5,287	4,644	4,832	4,727
80%	5,107	5,663	6,819	9,111	8,536	10,100	7,989	4,978	4,760	4,549	4,666	4,697
90%	4,058	5,068	5,628	7,797	6,216	6,889	7,493	4,319	4,680	4,440	4,653	4,672
Long Term												
Full Simulation Period[a]	5,563	10,667	25,896	28,138	44,022	39,373	18,816	8,346	6,388	5,265	4,983	6,147
Water Year Types[b]												
Wet (31%)	6,166	21,896	75,619	48,777	109,829	96,691	44,785	13,332	8,342	6,814	5,254	9,926
Above Normal (25%)	4,034	5,068	13,827	67,187	73,830	49,489	15,318	8,246	5,931	5,222	5,209	6,001
Below Normal (6%)	5,744	6,028	6,819	18,674	22,270	15,850	10,062	7,289	8,335	4,491	5,013	5,055
Dry (13%)	5,892	8,942	9,909	11,709	12,335	18,807	10,776	7,704	6,068	4,897	4,911	4,925
Critical (25%)	5,393	6,233	7,550	11,043	9,152	10,630	7,621	5,122	4,873	4,492	4,727	4,380

Alternative 6A,6B,6C (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-6,655	-8,805	3,368	-2,540	9,102	-4,758	-4,531	-9,374	-2,878	-5,767	-4,692	688
20%	-1,864	-10,945	-3,276	2,331	-1,661	759	-631	-2,502	-999	-5,973	-3,949	-642
30%	-818	-1,330	-84	-1,757	-2,731	-4,538	-4,103	-2,267	-456	-5,771	-3,311	-875
40%	-60	-954	-231	-699	-6,075	-5,487	-1,419	-1,834	-582	-5,575	-3,279	-1,211
50%	111	-689	-340	-1,355	-3,107	-6,197	-1,565	-1,063	-418	-5,822	-2,114	-600
60%	161	-366	-1,846	-1,343	3,077	-6,880	-735	-1,019	-116	-5,728	-1,676	-646
70%	660	-321	-1,428	-13	265	-3,792	-386	-428	-523	-5,183	-1,445	-79
80%	793	170	-256	-684	-1,598	-1,511	-464	-267	355	-3,664	-1,250	1,091
90%	499	698	-834	-221	-154	-895	608	165	850	-3,400	92	1,238
Long Term												
Full Simulation Period[a]	-1,452	-3,214	1,147	-1,628	586	-2,622	-1,661	-3,158	-2,338	-5,391	-2,392	-615
Water Year Types[b]												
Wet (31%)	-4,486	-9,593	7,235	-1,560	5,285	-1,859	-2,324	-9,834	-8,952	-6,516	-2,964	-1,835
Above Normal (25%)	-428	-2,616	235	-5,527	747	-1,266	-6,902	-4,627	-1,881	-4,294	-2,006	-857
Below Normal (6%)	-1,521	-94	397	182	-8,205	-8,022	-1,155	-3,997	860	-6,774	-3,430	-494
Dry (13%)	-20	-2,035	-1,482	-837	-1,757	-4,240	-289	-208	-455	-5,881	-4,193	-944
Critical (25%)	-567	82	-1,105	-1,116	396	-1,402	-234	578	626	-4,263	-440	698

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-24-11. Sacramento River at Rio Vista, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	13,385	31,138	69,675	67,273	117,006	88,368	45,473	21,073	11,032	12,484	9,990	9,975
20%	8,340	25,692	19,018	57,369	80,159	56,966	17,880	11,286	7,475	11,265	9,178	7,158
30%	6,640	10,524	14,820	36,041	37,083	41,514	14,778	10,336	6,783	11,033	8,479	6,876
40%	5,804	6,981	13,297	19,373	28,310	28,913	11,217	9,543	6,605	10,748	8,386	6,309
50%	5,573	6,559	11,443	18,527	19,216	25,131	10,679	8,050	6,382	10,628	7,160	5,629
60%	5,315	6,139	9,972	14,974	11,621	22,730	9,402	7,432	6,017	10,451	6,603	5,548
70%	4,651	6,022	8,428	10,776	10,535	15,993	8,969	6,164	5,811	9,827	6,277	4,806
80%	4,314	5,493	7,075	9,795	10,135	11,611	8,453	5,245	4,405	8,212	5,916	3,606
90%	3,558	4,370	6,461	8,018	6,370	7,783	6,885	4,153	3,830	7,841	4,561	3,434
Long Term												
Full Simulation Period[a]	7,015	13,882	24,749	29,766	43,436	41,995	20,477	11,504	8,725	10,656	7,375	6,762
Water Year Types[b]												
Wet (31%)	10,652	31,489	68,384	50,337	104,544	98,550	47,110	23,167	17,294	13,330	8,218	11,761
Above Normal (25%)	4,462	7,684	13,591	72,714	73,083	50,754	22,220	12,873	7,812	9,516	7,215	6,858
Below Normal (6%)	7,265	6,122	6,422	18,492	30,475	23,872	11,217	11,286	7,475	11,265	8,443	5,548
Dry (13%)	5,912	10,977	11,391	12,546	14,092	23,047	11,064	7,913	6,523	10,777	9,104	5,869
Critical (25%)	5,960	6,150	8,654	12,160	8,757	12,031	7,855	4,544	4,247	8,754	5,167	3,682

Alternative 7 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	6,540	20,296	75,109	69,223	129,735	86,590	40,914	12,693	7,919	14,141	8,552	13,140
20%	6,380	15,884	15,495	63,803	80,692	58,851	17,249	8,698	7,160	11,535	7,855	10,462
30%	6,128	9,185	14,556	34,569	36,083	38,000	11,166	7,920	6,970	11,047	7,512	8,082
40%	5,945	6,380	12,916	18,877	22,732	24,331	9,584	7,624	6,866	10,364	7,349	6,407
50%	5,774	5,959	11,123	17,102	16,743	19,570	9,244	6,902	6,736	9,858	7,053	5,686
60%	5,713	5,876	8,203	13,781	14,995	17,595	9,175	6,187	6,544	8,954	6,890	4,971
70%	5,530	5,770	7,162	10,522	11,080	13,018	8,516	5,742	6,504	7,786	6,715	4,805
80%	5,221	5,719	6,851	9,172	8,617	10,324	8,077	5,396	6,424	6,463	6,545	4,641
90%	4,000	5,644	5,640	7,912	6,235	7,141	7,576	5,338	6,390	6,249	6,399	4,544
Long Term												
Full Simulation Period[a]	5,557	11,163	26,300	29,367	45,195	40,362	18,964	8,657	7,408	9,751	7,331	7,421
Water Year Types[b]												
Wet (31%)	6,164	23,492	77,267	50,849	111,976	98,149	45,029	13,695	9,676	11,075	7,251	13,030
Above Normal (25%)	4,231	6,053	13,728	72,061	77,499	50,350	15,250	8,161	7,013	10,592	7,120	8,082
Below Normal (6%)	5,221	6,010	6,851	18,877	22,732	18,431	10,632	7,375	8,005	10,364	7,914	6,407
Dry (13%)	5,834	8,792	9,856	11,786	12,890	19,753	10,930	7,665	6,561	11,979	8,262	4,933
Critical (25%)	5,446	6,271	7,600	11,267	9,184	11,012	7,692	5,875	6,310	6,449	6,619	4,864

Alternative 7 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	**-6,845**	**-10,842**	5,434	1,950	12,729	**-1,778**	**-4,559**	**-8,380**	**-3,113**	1,657	**-1,439**	3,165
20%	**-1,960**	**-9,807**	**-3,524**	6,434	533	1,884	**-632**	**-2,588**	**-315**	270	**-1,324**	3,304
30%	**-512**	**-1,339**	**-263**	**-1,472**	**-1,000**	**-3,514**	**-3,612**	**-2,416**	187	14	**-967**	1,205
40%	141	**-602**	**-382**	**-497**	**-5,578**	**-4,581**	**-1,634**	**-1,919**	260	**-384**	**-1,036**	99
50%	201	**-600**	**-320**	**-1,425**	**-2,473**	**-5,560**	**-1,435**	**-1,147**	354	**-770**	**-107**	57
60%	398	**-263**	**-1,769**	**-1,193**	3,374	**-5,135**	**-227**	**-1,245**	527	**-1,497**	287	**-577**
70%	879	**-252**	**-1,266**	**-253**	545	**-2,975**	**-454**	**-422**	694	**-2,041**	437	**-1**
80%	907	226	**-224**	**-623**	**-1,518**	**-1,287**	**-376**	150	2,019	**-1,749**	629	1,035
90%	442	1,274	**-822**	**-106**	**-134**	**-643**	691	1,185	2,560	**-1,592**	1,838	1,110
Long Term												
Full Simulation Period[a]	**-1,459**	**-2,719**	1,551	**-399**	1,759	**-1,633**	**-1,512**	**-2,848**	**-1,317**	**-905**	**-43**	659
Water Year Types[b]												
Wet (31%)	**-4,488**	**-7,998**	8,882	511	7,432	**-401**	**-2,081**	**-9,471**	**-7,617**	**-2,255**	**-966**	1,270
Above Normal (25%)	**-231**	**-1,631**	136	**-653**	4,417	**-404**	**-6,970**	**-4,713**	**-800**	1,076	**-96**	1,224
Below Normal (6%)	**-2,043**	**-112**	429	384	**-7,743**	**-5,441**	**-586**	**-3,910**	530	**-901**	**-529**	859
Dry (13%)	**-78**	**-2,185**	**-1,535**	**-760**	**-1,203**	**-3,294**	**-134**	**-248**	39	1,202	**-842**	**-936**
Critical (25%)	**-514**	121	**-1,054**	**-892**	427	**-1,019**	**-163**	1,330	2,063	**-2,305**	1,453	1,181

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-24-12. Sacramento River at Rio Vista, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	13,385	31,138	69,675	67,273	117,006	88,368	45,473	21,073	11,032	12,484	9,990	9,975
20%	8,340	25,692	19,018	57,369	80,159	56,966	17,880	11,286	7,475	11,265	9,178	7,158
30%	6,640	10,524	14,820	36,041	37,083	41,514	14,778	10,336	6,783	11,033	8,479	6,876
40%	5,804	6,981	13,297	19,373	28,310	28,913	11,217	9,543	6,605	10,748	8,386	6,309
50%	5,573	6,559	11,443	18,527	19,216	25,131	10,679	8,050	6,382	10,628	7,160	5,629
60%	5,315	6,139	9,972	14,974	11,621	22,730	9,402	7,432	6,017	10,451	6,603	5,548
70%	4,651	6,022	8,428	10,776	10,535	15,993	8,969	6,164	5,811	9,827	6,277	4,806
80%	4,314	5,493	7,075	9,795	10,135	11,611	8,453	5,245	4,405	8,212	5,916	3,606
90%	3,558	4,370	6,461	8,018	6,370	7,783	6,885	4,153	3,830	7,841	4,561	3,434
Long Term												
Full Simulation Period[a]	7,015	13,882	24,749	29,766	43,436	41,995	20,477	11,504	8,725	10,656	7,375	6,762
Water Year Types[b]												
Wet (31%)	10,652	31,489	68,384	50,337	104,544	98,550	47,110	23,167	17,294	13,330	8,218	11,761
Above Normal (25%)	4,462	7,684	13,591	72,714	73,083	50,754	22,220	12,873	7,812	9,516	7,215	6,858
Below Normal (6%)	7,265	6,122	6,422	18,492	30,475	23,872	11,217	11,286	7,475	11,265	8,443	5,548
Dry (13%)	5,912	10,977	11,391	12,546	14,092	23,047	11,064	7,913	6,523	10,777	9,104	5,869
Critical (25%)	5,960	6,150	8,654	12,160	8,757	12,031	7,855	4,544	4,247	8,754	5,167	3,682

Alternative 8 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	6,382	23,320	75,174	69,693	125,066	85,846	44,793	15,444	7,669	8,227	6,849	13,091
20%	6,302	16,375	15,602	63,693	80,642	58,833	21,043	11,556	6,928	7,078	6,823	10,538
30%	5,992	9,133	14,555	36,081	42,943	42,335	14,101	10,571	6,885	6,946	6,796	8,086
40%	5,646	5,944	12,757	22,810	21,952	24,585	13,583	8,678	6,803	6,742	6,764	4,954
50%	5,277	5,865	11,098	19,837	19,075	22,623	12,648	7,861	6,730	6,589	6,677	4,853
60%	5,013	5,844	7,926	15,646	16,546	20,681	11,793	7,635	6,545	6,439	6,598	4,739
70%	4,760	5,754	6,998	11,267	12,727	16,363	10,322	7,372	6,496	6,402	6,421	4,664
80%	4,170	5,696	6,795	9,945	8,912	11,980	9,378	6,898	6,406	6,334	6,310	4,606
90%	3,347	5,213	5,620	7,853	7,120	10,590	8,206	5,413	6,402	6,151	5,993	4,547
Long Term												
Full Simulation Period[a]	5,133	11,236	26,288	30,868	46,168	42,347	21,276	10,463	7,516	6,895	6,489	7,172
Water Year Types[b]												
Wet (31%)	5,770	24,099	77,409	52,700	111,685	98,118	46,913	16,755	10,389	8,114	6,848	12,951
Above Normal (25%)	4,542	5,213	13,723	75,430	77,035	50,794	19,074	9,953	6,897	6,891	6,747	8,086
Below Normal (6%)	5,013	5,944	6,795	21,046	28,820	21,253	12,700	11,556	7,529	6,334	6,598	4,871
Dry (13%)	5,029	8,911	9,898	12,777	14,952	24,759	14,197	8,355	6,455	6,571	6,611	4,763
Critical (25%)	4,967	6,273	7,428	12,017	9,850	12,641	9,026	7,100	6,311	6,291	5,980	4,572

Alternative 8 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	**-7,003**	**-7,817**	5,498	2,420	8,059	**-2,522**	**-680**	**-5,629**	**-3,363**	**-4,257**	**-3,141**	3,115
20%	**-2,039**	**-9,317**	**-3,417**	6,324	483	1,866	3,163	271	**-547**	**-4,187**	**-2,355**	3,380
30%	**-648**	**-1,391**	**-265**	40	5,860	821	**-677**	235	102	**-4,087**	**-1,683**	1,210
40%	**-158**	**-1,038**	**-541**	3,436	**-6,358**	**-4,328**	2,365	**-865**	198	**-4,006**	**-1,622**	**-1,355**
50%	**-296**	**-693**	**-346**	1,310	**-140**	**-2,507**	1,969	**-189**	348	**-4,040**	**-483**	**-776**
60%	**-302**	**-295**	**-2,047**	672	4,925	**-2,049**	2,391	203	529	**-4,012**	**-5**	**-809**
70%	109	**-268**	**-1,430**	491	2,192	370	1,353	1,208	685	**-3,425**	143	**-142**
80%	**-144**	203	**-280**	150	**-1,223**	369	925	1,653	2,001	**-1,878**	395	1,000
90%	**-212**	842	**-842**	**-166**	751	2,806	1,321	1,260	2,573	**-1,690**	1,432	1,113
Long Term												
Full Simulation Period[a]	**-1,882**	**-2,646**	1,540	1,103	2,732	352	799	**-1,042**	**-1,209**	**-3,762**	**-885**	410
Water Year Types[b]												
Wet (31%)	**-4,882**	**-7,390**	9,025	2,363	7,142	**-432**	**-197**	**-6,411**	**-6,905**	**-5,216**	**-1,369**	1,191
Above Normal (25%)	80	**-2,472**	131	2,715	3,952	40	**-3,146**	**-2,920**	**-916**	**-2,625**	**-469**	1,228
Below Normal (6%)	**-2,252**	**-178**	373	2,554	**-1,655**	**-2,619**	1,483	271	54	**-4,931**	**-1,845**	**-678**
Dry (13%)	**-883**	**-2,066**	**-1,493**	230	860	1,712	3,133	442	**-68**	**-4,206**	**-2,493**	**-1,107**
Critical (25%)	**-993**	122	**-1,226**	**-143**	1,093	609	1,171	2,555	2,064	**-2,463**	814	890

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-24-13. Sacramento River at Rio Vista, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	13,385	31,138	69,675	67,273	117,006	88,368	45,473	21,073	11,032	12,484	9,990	9,975
20%	8,340	25,692	19,018	57,369	80,159	56,966	17,880	11,286	7,475	11,265	9,178	7,158
30%	6,640	10,524	14,820	36,041	37,083	41,514	14,778	10,336	6,783	11,033	8,479	6,876
40%	5,804	6,981	13,297	19,373	28,310	28,913	11,217	9,543	6,605	10,748	8,386	6,309
50%	5,573	6,559	11,443	18,527	19,216	25,131	10,679	8,050	6,382	10,628	7,160	5,629
60%	5,315	6,139	9,972	14,974	11,621	22,730	9,402	7,432	6,017	10,451	6,603	5,548
70%	4,651	6,022	8,428	10,776	10,535	15,993	8,969	6,164	5,811	9,827	6,277	4,806
80%	4,314	5,493	7,075	9,795	10,135	11,611	8,453	5,245	4,405	8,212	5,916	3,606
90%	3,558	4,370	6,461	8,018	6,370	7,783	6,885	4,153	3,830	7,841	4,561	3,434
Long Term												
Full Simulation Period[a]	7,015	13,882	24,749	29,766	43,436	41,995	20,477	11,504	8,725	10,656	7,375	6,762
Water Year Types[b]												
Wet (31%)	10,652	31,489	68,384	50,337	104,544	98,550	47,110	23,167	17,294	13,330	8,218	11,761
Above Normal (25%)	4,462	7,684	13,591	72,714	73,083	50,754	22,220	12,873	7,812	9,516	7,215	6,858
Below Normal (6%)	7,265	6,122	6,422	18,492	30,475	23,872	11,217	11,286	7,475	11,265	8,443	5,548
Dry (13%)	5,912	10,977	11,391	12,546	14,092	23,047	11,064	7,913	6,523	10,777	9,104	5,869
Critical (25%)	5,960	6,150	8,654	12,160	8,757	12,031	7,855	4,544	4,247	8,754	5,167	3,682

Alternative 9 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	11,289	24,344	75,570	79,014	141,135	94,966	49,723	15,695	10,232	13,492	10,706	21,351
20%	9,935	18,674	14,603	71,991	91,344	68,971	17,349	10,796	9,434	13,388	10,532	15,942
30%	8,507	13,409	13,138	39,799	44,554	44,715	12,868	10,135	8,517	12,458	10,334	12,694
40%	7,597	9,683	12,760	18,673	27,132	27,495	10,811	8,986	8,244	10,712	10,072	7,710
50%	6,772	7,348	11,014	18,108	17,147	24,280	9,596	8,825	8,155	10,454	8,969	6,124
60%	6,275	6,705	9,587	13,552	10,794	18,934	9,274	8,217	8,027	10,161	7,698	5,873
70%	5,695	6,334	8,801	9,669	9,106	12,921	8,935	7,626	7,232	9,594	6,786	5,032
80%	5,602	6,115	7,811	8,565	8,077	9,838	8,462	5,932	6,867	8,047	5,734	4,981
90%	4,909	5,430	7,467	7,954	6,953	8,012	8,123	5,797	6,418	6,664	5,525	4,870
Long Term												
Full Simulation Period[a]	7,527	13,398	27,426	32,158	48,468	44,622	21,313	10,745	8,915	10,703	8,427	10,184
Water Year Types[b]												
Wet (31%)	10,168	27,600	80,209	58,143	120,157	107,192	51,312	17,884	13,005	11,785	9,692	20,564
Above Normal (25%)	4,768	7,439	13,293	79,320	88,056	58,950	20,023	9,806	8,401	13,442	10,317	12,694
Below Normal (6%)	8,325	11,030	9,063	18,544	27,132	21,420	10,811	8,217	9,434	10,250	8,416	7,710
Dry (13%)	7,305	10,019	9,869	11,394	13,095	21,552	11,008	10,080	7,952	11,259	9,305	5,783
Critical (25%)	6,536	7,597	8,570	11,838	7,849	11,932	8,173	6,449	6,516	8,387	5,959	4,892

Alternative 9 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	**-2,096**	**-6,794**	5,895	11,741	24,129	6,598	4,250	**-5,378**	**-800**	1,008	716	11,376
20%	1,595	**-7,018**	**-4,415**	14,622	11,185	12,005	**-531**	**-490**	1,959	2,123	1,354	8,784
30%	1,867	2,885	**-1,682**	3,758	7,471	3,201	**-1,910**	**-200**	1,734	1,425	1,854	5,817
40%	1,793	2,702	**-537**	**-700**	**-1,177**	**-1,418**	**-407**	**-557**	1,638	**-36**	1,686	1,402
50%	1,199	790	**-430**	**-419**	**-2,069**	**-851**	**-1,083**	775	1,773	**-175**	1,810	495
60%	960	565	**-385**	**-1,422**	**-827**	**-3,796**	**-128**	786	2,010	**-291**	1,095	324
70%	1,044	312	373	**-1,107**	**-1,429**	**-3,072**	**-34**	1,462	1,421	**-233**	509	226
80%	1,288	622	736	**-1,230**	**-2,058**	**-1,773**	9	686	2,461	**-165**	**-182**	1,375
90%	1,351	1,060	1,006	**-64**	584	228	1,237	1,644	2,588	**-1,177**	964	1,436
Long Term												
Full Simulation Period[a]	512	**-484**	2,677	2,392	5,033	2,627	836	**-759**	190	46	1,053	3,422
Water Year Types[b]												
Wet (31%)	**-483**	**-3,889**	11,825	7,806	15,613	8,641	4,202	**-5,283**	**-4,289**	**-1,546**	1,475	8,803
Above Normal (25%)	306	**-245**	**-298**	6,605	14,974	8,196	**-2,197**	**-3,067**	589	3,926	3,102	5,836
Below Normal (6%)	1,061	4,908	2,641	52	**-3,342**	**-2,452**	**-407**	**-3,068**	1,959	**-1,015**	**-27**	2,162
Dry (13%)	1,393	**-958**	**-1,522**	**-1,153**	**-998**	**-1,495**	**-56**	2,167	1,429	481	201	**-86**
Critical (25%)	576	1,446	**-85**	**-322**	**-908**	**-100**	318	1,904	2,269	**-367**	792	1,210

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-24-14. Sacramento River at Rio Vista, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,264	23,068	70,313	74,530	136,892	92,547	48,275	15,884	8,934	16,021	9,177	18,538
20%	7,620	17,740	15,859	70,165	88,135	66,036	18,787	10,909	8,374	14,602	8,789	15,402
30%	7,007	11,989	14,801	38,835	42,967	43,330	13,732	9,224	7,038	14,148	8,557	10,789
40%	6,634	9,334	12,528	19,363	25,904	27,346	10,716	8,298	6,612	12,452	8,131	5,892
50%	6,456	8,378	11,840	18,753	18,511	24,353	9,762	7,492	6,310	11,447	7,390	4,962
60%	6,209	6,122	9,479	14,868	12,566	19,775	9,509	6,466	6,001	10,281	6,992	4,508
70%	5,854	5,305	8,790	12,530	9,517	13,433	8,679	6,068	5,683	9,661	4,652	3,747
80%	4,844	4,712	6,657	10,435	8,020	10,185	8,249	5,403	5,022	7,671	4,227	3,687
90%	4,050	4,310	4,702	8,940	6,244	7,626	7,239	4,331	4,296	6,343	4,117	3,509
Long Term												
Full Simulation Period[a]	6,661	12,639	26,382	31,715	47,665	43,677	20,930	9,737	7,354	11,281	6,856	8,546
Water Year Types[b]												
Wet (31%)	8,244	26,634	76,445	56,302	118,226	104,545	49,866	17,006	11,537	12,336	8,194	18,346
Above Normal (25%)	4,900	6,486	14,135	73,855	84,726	56,970	20,466	9,603	7,362	14,303	8,596	10,789
Below Normal (6%)	7,620	9,334	9,092	19,186	25,904	21,749	10,716	7,538	8,443	9,509	7,153	5,892
Dry (13%)	6,722	10,392	10,406	12,203	13,972	21,589	10,770	8,706	6,316	12,919	8,060	4,537
Critical (25%)	5,858	6,361	7,469	13,307	7,699	11,722	8,136	5,241	4,617	8,273	4,067	3,547

Alternative 1A,1B,1C (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	15,682	16,272	65,792	65,568	132,408	84,642	41,811	12,254	9,547	12,698	7,588	6,566
20%	12,107	15,756	16,241	57,006	78,482	58,368	16,796	9,965	9,416	12,040	6,722	6,396
30%	9,074	11,019	15,033	34,297	34,552	38,583	12,231	9,321	8,127	10,506	5,805	5,614
40%	8,274	6,063	14,302	20,351	21,087	23,420	10,909	8,723	7,647	8,130	5,583	5,336
50%	6,127	5,868	12,340	17,779	15,928	18,759	10,030	7,733	7,161	7,781	5,169	5,021
60%	6,033	5,799	10,334	14,418	11,657	15,636	9,788	7,531	6,695	7,387	5,111	4,927
70%	5,880	5,703	9,918	11,419	10,427	13,444	9,503	7,205	6,433	6,953	5,063	4,836
80%	5,657	5,641	7,676	9,995	9,256	10,780	8,960	5,929	5,293	5,737	4,828	4,773
90%	4,748	5,212	6,211	7,846	7,875	7,990	8,391	4,685	5,033	5,494	4,725	4,704
Long Term												
Full Simulation Period[a]	8,772	10,979	26,062	28,558	44,210	40,264	19,659	9,211	7,548	9,067	6,054	5,409
Water Year Types[b]												
Wet (31%)	6,840	24,489	72,325	50,210	108,594	97,739	45,731	14,038	10,002	10,072	5,245	5,442
Above Normal (25%)	8,885	5,221	15,033	63,891	77,978	51,156	16,180	8,297	7,911	9,735	5,528	5,146
Below Normal (6%)	17,099	6,063	9,707	18,764	21,087	15,636	9,970	7,531	7,952	5,275	4,828	4,883
Dry (13%)	6,318	8,190	11,431	13,469	12,520	19,709	11,628	9,509	7,543	11,654	8,540	5,807
Critical (25%)	10,571	5,690	8,439	11,134	9,172	11,298	8,556	5,812	5,361	6,684	5,169	5,275

Alternative 1A,1B,1C (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	6,417	-6,795	-4,522	-8,962	-4,484	-7,905	-6,463	-3,630	613	-3,323	-1,589	-11,972
20%	4,487	-1,984	381	-13,159	-9,653	-7,668	-1,991	-944	1,042	-2,563	-2,067	-9,006
30%	2,067	-971	232	-4,538	-8,415	-4,747	-1,501	97	1,089	-3,642	-2,752	-5,176
40%	1,640	-3,272	1,774	988	-4,818	-3,927	193	425	1,034	-4,321	-2,548	-555
50%	-329	-2,509	500	-973	-2,583	-5,595	268	241	851	-3,666	-2,221	59
60%	-176	-323	855	-450	-909	-4,139	279	1,065	694	-2,895	-1,881	419
70%	25	398	1,128	-1,111	911	11	824	1,137	750	-2,708	412	1,090
80%	813	929	1,018	-440	1,236	594	711	526	270	-1,934	602	1,085
90%	698	902	1,510	-1,094	1,631	364	1,152	354	737	-849	608	1,194
Long Term												
Full Simulation Period[a]	2,111	-1,659	-320	-3,157	-3,455	-3,413	-1,270	-527	194	-2,215	-802	-3,137
Water Year Types[b]												
Wet (31%)	-1,404	-2,145	-4,120	-6,092	-9,632	-6,805	-4,136	-2,968	-1,534	-2,264	-2,949	-12,904
Above Normal (25%)	3,985	-1,264	898	-9,964	-6,748	-5,814	-4,286	-1,306	549	-4,568	-3,067	-5,643
Below Normal (6%)	9,479	-3,272	615	-421	-4,818	-6,113	-746	-7	-491	-4,234	-2,325	-1,009
Dry (13%)	-405	-2,202	1,025	1,266	-1,452	-1,880	858	803	1,227	-1,265	480	1,269
Critical (25%)	4,713	-671	970	-2,172	1,473	-424	420	571	744	-1,589	1,102	1,728

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-24-15. Sacramento River at Rio Vista, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	9,264	23,068	70,313	74,530	136,892	92,547	48,275	15,884	8,934	16,021	9,177	18,538
20%	7,620	17,740	15,859	70,165	88,135	66,036	18,787	10,909	8,374	14,602	8,789	15,402
30%	7,007	11,989	14,801	38,835	42,967	43,330	13,732	9,224	7,038	14,148	8,557	10,789
40%	6,634	9,334	12,528	19,363	25,904	27,346	10,716	8,298	6,612	12,452	8,131	5,892
50%	6,456	8,378	11,840	18,753	18,511	24,353	9,762	7,492	6,310	11,447	7,390	4,962
60%	6,209	6,122	9,479	14,868	12,566	19,775	9,509	6,466	6,001	10,281	6,992	4,508
70%	5,854	5,305	8,790	12,530	9,517	13,433	8,679	6,068	5,683	9,661	4,652	3,747
80%	4,844	4,712	6,657	10,435	8,020	10,185	8,249	5,403	5,022	7,671	4,227	3,687
90%	4,050	4,310	4,702	8,940	6,244	7,626	7,239	4,331	4,296	6,343	4,117	3,509
Long Term												
Full Simulation Period[a]	6,661	12,639	26,382	31,715	47,665	43,677	20,930	9,737	7,354	11,281	6,856	8,546
Water Year Types[b]												
Wet (31%)	8,244	26,634	76,445	56,302	118,226	104,545	49,866	17,006	11,537	12,336	8,194	18,346
Above Normal (25%)	4,900	6,486	14,135	73,855	84,726	56,970	20,466	9,603	7,362	14,303	8,596	10,789
Below Normal (6%)	7,620	9,334	9,092	19,186	25,904	21,749	10,716	7,538	8,443	9,509	7,153	5,892
Dry (13%)	6,722	10,392	10,406	12,203	13,972	21,589	10,770	8,706	6,316	12,919	8,060	4,537
Critical (25%)	5,858	6,361	7,469	13,307	7,699	11,722	8,136	5,241	4,617	8,273	4,067	3,547

Alternative 2A,2B,2C (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	8,611	16,266	62,935	65,314	129,719	83,431	41,782	12,258	9,124	13,710	8,288	13,229
20%	7,897	15,605	15,435	58,004	78,678	57,540	17,747	10,454	8,661	11,427	7,277	10,750
30%	7,182	9,110	14,365	34,349	33,196	36,091	10,734	9,337	8,294	11,030	6,237	8,455
40%	6,484	6,156	13,620	18,640	21,114	23,520	9,873	8,560	7,544	10,637	5,903	7,960
50%	6,371	6,014	11,912	16,102	15,928	18,806	9,449	8,135	7,090	9,508	5,265	6,671
60%	6,338	5,834	10,098	14,035	11,528	15,811	8,872	7,240	6,609	7,949	5,204	5,292
70%	6,128	5,749	9,207	12,348	9,711	12,161	8,619	6,105	6,168	6,856	5,168	4,863
80%	5,975	5,561	9,069	10,078	8,506	10,144	8,309	5,733	5,600	5,853	5,078	4,716
90%	4,159	5,191	7,159	8,876	6,065	8,189	7,941	4,679	5,241	5,422	4,758	4,662
Long Term												
Full Simulation Period[a]	6,723	10,435	25,568	28,555	43,390	39,453	19,124	9,121	7,484	9,597	6,111	7,765
Water Year Types[b]												
Wet (31%)	6,706	20,475	70,898	49,741	108,615	96,439	45,344	13,394	9,832	10,375	5,574	13,139
Above Normal (25%)	7,988	5,209	14,527	63,643	74,842	51,093	15,214	8,325	6,694	13,332	7,122	8,455
Below Normal (6%)	6,014	5,985	9,069	18,640	21,114	15,811	10,008	7,240	8,680	5,214	4,888	4,886
Dry (13%)	6,023	9,013	10,693	11,444	12,484	17,708	10,978	9,780	7,713	11,336	7,574	5,982
Critical (25%)	6,933	6,520	8,920	13,245	7,808	11,332	8,053	5,869	5,499	6,966	5,209	5,193

Alternative 2A,2B,2C (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	**-654**	**-6,802**	**-7,378**	**-9,216**	**-7,173**	**-9,116**	**-6,492**	**-3,626**	189	**-2,311**	**-888**	**-5,309**
20%	277	**-2,135**	**-425**	**-12,161**	**-9,457**	**-8,496**	**-1,040**	**-455**	287	**-3,176**	**-1,512**	**-4,652**
30%	175	**-2,879**	**-435**	**-4,486**	**-9,771**	**-7,238**	**-2,997**	113	1,256	**-3,117**	**-2,319**	**-2,334**
40%	**-150**	**-3,178**	1,092	**-723**	**-4,790**	**-3,826**	**-843**	262	932	**-1,815**	**-2,228**	2,069
50%	**-85**	**-2,363**	71	**-2,651**	**-2,583**	**-5,547**	**-313**	643	780	**-1,939**	**-2,125**	1,709
60%	128	**-288**	619	**-833**	**-1,038**	**-3,964**	**-636**	774	609	**-2,332**	**-1,787**	784
70%	274	444	417	**-182**	195	**-1,272**	**-60**	37	485	**-2,805**	517	1,116
80%	1,131	849	2,411	**-357**	486	**-42**	60	330	578	**-1,818**	852	1,028
90%	109	881	2,457	**-64**	**-178**	562	702	347	944	**-921**	641	1,153
Long Term												
Full Simulation Period[a]	62	**-2,204**	**-814**	**-3,160**	**-4,275**	**-4,224**	**-1,805**	**-617**	130	**-1,684**	**-746**	**-781**
Water Year Types[b]												
Wet (31%)	**-1,537**	**-6,159**	**-5,547**	**-6,561**	**-9,610**	**-8,105**	**-4,522**	**-3,612**	**-1,705**	**-1,961**	**-2,620**	**-5,207**
Above Normal (25%)	3,088	**-1,276**	392	**-10,212**	**-9,884**	**-5,877**	**-5,252**	**-1,278**	**-669**	**-971**	**-1,473**	**-2,334**
Below Normal (6%)	**-1,606**	**-3,349**	**-24**	**-545**	**-4,790**	**-5,938**	**-708**	**-298**	237	**-4,295**	**-2,265**	**-1,006**
Dry (13%)	**-699**	**-1,379**	287	**-759**	**-1,488**	**-3,882**	208	1,074	1,396	**-1,584**	**-487**	1,445
Critical (25%)	1,075	159	1,451	**-62**	109	**-390**	**-83**	628	882	**-1,306**	1,142	1,646

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-24-16. Sacramento River at Rio Vista, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,264	23,068	70,313	74,530	136,892	92,547	48,275	15,884	8,934	16,021	9,177	18,538
20%	7,620	17,740	15,859	70,165	88,135	66,036	18,787	10,909	8,374	14,602	8,789	15,402
30%	7,007	11,989	14,801	38,835	42,967	43,330	13,732	9,224	7,038	14,148	8,557	10,789
40%	6,634	9,334	12,528	19,363	25,904	27,346	10,716	8,298	6,612	12,452	8,131	5,892
50%	6,456	8,378	11,840	18,753	18,511	24,353	9,762	7,492	6,310	11,447	7,390	4,962
60%	6,209	6,122	9,479	14,868	12,566	19,775	9,509	6,466	6,001	10,281	6,992	4,508
70%	5,854	5,305	8,790	12,530	9,517	13,433	8,679	6,068	5,683	9,661	4,652	3,747
80%	4,844	4,712	6,657	10,435	8,020	10,185	8,249	5,403	5,022	7,671	4,227	3,687
90%	4,050	4,310	4,702	8,940	6,244	7,626	7,239	4,331	4,296	6,343	4,117	3,509
Long Term												
Full Simulation Period[a]	6,661	12,639	26,382	31,715	47,665	43,677	20,930	9,737	7,354	11,281	6,856	8,546
Water Year Types[b]												
Wet (31%)	8,244	26,634	76,445	56,302	118,226	104,545	49,866	17,006	11,537	12,336	8,194	18,346
Above Normal (25%)	4,900	6,486	14,135	73,855	84,726	56,970	20,466	9,603	7,362	14,303	8,596	10,789
Below Normal (6%)	7,620	9,334	9,092	19,186	25,904	21,749	10,716	7,538	8,443	9,509	7,153	5,892
Dry (13%)	6,722	10,392	10,406	12,203	13,972	21,589	10,770	8,706	6,316	12,919	8,060	4,537
Critical (25%)	5,858	6,361	7,469	13,307	7,699	11,722	8,136	5,241	4,617	8,273	4,067	3,547

Alternative 3 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	15,940	21,340	72,862	71,007	131,806	88,662	44,667	15,328	11,902	13,238	7,864	6,795
20%	12,322	16,254	16,538	65,210	83,273	61,378	17,744	10,116	9,267	12,465	6,689	6,580
30%	10,350	6,892	15,214	35,578	39,496	40,591	12,594	9,324	7,746	10,292	6,186	6,178
40%	8,343	6,362	12,901	20,903	23,449	25,057	10,592	8,502	7,503	9,073	5,610	5,886
50%	7,217	6,155	12,478	18,393	16,677	20,536	9,899	7,771	7,044	7,569	5,183	5,154
60%	6,092	5,965	10,322	14,145	11,873	17,847	9,667	7,567	6,639	7,138	5,123	4,938
70%	5,936	5,840	9,787	10,625	10,342	14,146	9,209	7,213	6,235	6,995	5,072	4,901
80%	5,796	5,656	7,419	10,216	8,666	10,978	8,897	5,918	6,087	6,595	4,874	4,780
90%	4,756	5,578	6,185	9,364	7,098	8,002	8,442	4,704	4,999	5,359	4,709	4,704
Long Term												
Full Simulation Period[a]	9,172	11,493	27,043	30,237	46,055	41,752	20,346	9,753	8,005	9,195	5,946	5,671
Water Year Types[b]												
Wet (31%)	7,245	25,852	76,634	52,727	114,535	100,378	47,692	15,553	11,647	10,018	5,256	6,228
Above Normal (25%)	10,654	5,959	14,269	69,987	80,779	52,836	17,934	8,266	8,583	10,199	5,777	5,448
Below Normal (6%)	12,322	5,965	9,636	19,050	23,449	17,892	9,942	7,533	7,921	5,182	4,813	4,883
Dry (13%)	6,235	8,516	11,500	13,036	13,279	21,224	11,746	10,132	7,267	11,925	7,755	5,675
Critical (25%)	11,839	5,705	8,396	12,343	8,124	11,610	8,394	5,848	5,467	6,753	5,346	5,469

Alternative 3 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	6,675	-1,728	2,549	-3,523	-5,086	-3,885	-3,607	-556	2,968	-2,783	-1,313	-11,743
20%	4,702	-1,486	678	-4,955	-4,862	-4,657	-1,044	-793	893	-2,137	-2,100	-8,822
30%	3,343	-5,097	413	-3,257	-3,471	-2,739	-1,138	100	708	-3,855	-2,370	-4,611
40%	1,709	-2,973	373	1,540	-2,456	-2,290	-124	205	890	-3,379	-2,521	-6
50%	761	-2,222	638	-360	-1,834	-3,817	137	279	734	-3,878	-2,207	192
60%	-117	-157	843	-723	-692	-1,927	159	1,101	639	-3,143	-1,869	431
70%	82	535	997	-1,905	825	713	530	1,145	552	-2,666	421	1,155
80%	952	944	762	-219	646	792	648	515	1,065	-1,076	647	1,092
90%	706	1,268	1,483	424	854	376	1,202	372	702	-983	592	1,194
Long Term												
Full Simulation Period[a]	2,511	-1,146	661	-1,479	-1,610	-1,926	-584	15	651	-2,086	-910	-2,875
Water Year Types[b]												
Wet (31%)	-999	-782	189	-3,575	-3,691	-4,167	-2,174	-1,453	110	-2,317	-2,938	-12,118
Above Normal (25%)	5,754	-527	134	-3,868	-3,948	-4,134	-2,533	-1,337	1,221	-4,104	-2,819	-5,342
Below Normal (6%)	4,702	-3,369	544	-136	-2,456	-3,856	-774	-4	-522	-4,327	-2,340	-1,009
Dry (13%)	-487	-1,876	1,095	833	-693	-365	976	1,426	951	-995	-305	1,138
Critical (25%)	5,981	-656	927	-964	425	-112	258	607	850	-1,520	1,279	1,922

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-24-17. Sacramento River at Rio Vista, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,264	23,068	70,313	74,530	136,892	92,547	48,275	15,884	8,934	16,021	9,177	18,538
20%	7,620	17,740	15,859	70,165	88,135	66,036	18,787	10,909	8,374	14,602	8,789	15,402
30%	7,007	11,989	14,801	38,835	42,967	43,330	13,732	9,224	7,038	14,148	8,557	10,789
40%	6,634	9,334	12,528	19,363	25,904	27,346	10,716	8,298	6,612	12,452	8,131	5,892
50%	6,456	8,378	11,840	18,753	18,511	24,353	9,762	7,492	6,310	11,447	7,390	4,962
60%	6,209	6,122	9,479	14,868	12,566	19,775	9,509	6,466	6,001	10,281	6,992	4,508
70%	5,854	5,305	8,790	12,530	9,517	13,433	8,679	6,068	5,683	9,661	4,652	3,747
80%	4,844	4,712	6,657	10,435	8,020	10,185	8,249	5,403	5,022	7,671	4,227	3,687
90%	4,050	4,310	4,702	8,940	6,244	7,626	7,239	4,331	4,296	6,343	4,117	3,509
Long Term												
Full Simulation Period[a]	6,661	12,639	26,382	31,715	47,665	43,677	20,930	9,737	7,354	11,281	6,856	8,546
Water Year Types[b]												
Wet (31%)	8,244	26,634	76,445	56,302	118,226	104,545	49,866	17,006	11,537	12,336	8,194	18,346
Above Normal (25%)	4,900	6,486	14,135	73,855	84,726	56,970	20,466	9,603	7,362	14,303	8,596	10,789
Below Normal (6%)	7,620	9,334	9,092	19,186	25,904	21,749	10,716	7,538	8,443	9,509	7,153	5,892
Dry (13%)	6,722	10,392	10,406	12,203	13,972	21,589	10,770	8,706	6,316	12,919	8,060	4,537
Critical (25%)	5,858	6,361	7,469	13,307	7,699	11,722	8,136	5,241	4,617	8,273	4,067	3,547

Alternative 4 H1 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,187	20,206	70,333	69,311	131,443	84,866	42,136	13,435	8,687	16,133	8,817	7,442
20%	8,529	15,767	16,431	62,099	80,671	58,773	17,570	10,493	8,326	12,145	7,696	6,940
30%	7,726	6,060	14,883	34,015	35,932	39,941	10,778	9,303	7,973	11,416	6,872	6,212
40%	7,300	5,874	13,803	18,875	22,404	24,169	9,735	8,343	7,734	11,352	6,060	5,466
50%	6,161	5,808	12,500	17,414	15,977	19,034	9,484	7,493	7,101	8,679	5,909	5,057
60%	6,100	5,754	10,759	16,746	11,723	16,738	9,134	7,197	6,881	7,212	5,204	4,944
70%	5,752	5,664	8,791	15,024	9,588	12,104	8,756	6,125	6,156	6,974	5,161	4,923
80%	5,246	5,655	8,534	13,219	8,581	10,139	8,495	5,732	5,642	5,840	5,067	4,884
90%	4,453	5,216	6,830	9,576	6,733	8,167	7,839	4,652	5,013	5,333	4,755	4,727
Long Term												
Full Simulation Period[a]	6,773	10,865	26,648	30,202	44,809	40,420	19,262	9,150	7,395	9,901	6,516	5,809
Water Year Types[b]												
Wet (31%)	6,148	24,185	74,734	50,831	111,664	97,830	45,634	13,817	9,748	11,418	6,197	5,655
Above Normal (25%)	7,320	5,270	14,560	69,393	78,491	51,457	15,495	8,165	6,553	13,996	7,179	5,500
Below Normal (6%)	8,949	5,874	8,969	18,875	22,404	16,738	9,925	7,197	8,335	5,044	4,852	4,884
Dry (13%)	5,663	8,332	11,013	12,279	12,552	19,716	11,096	9,616	7,648	11,876	8,459	7,062
Critical (25%)	7,508	5,473	9,058	14,626	8,138	11,378	8,070	5,829	5,458	6,441	5,285	5,237

Alternative 4 H1 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-78	-2,862	20	-5,219	-5,449	-7,681	-6,139	-2,449	-248	112	-360	-11,096
20%	910	-1,973	572	-8,066	-7,464	-7,263	-1,217	-416	-48	-2,458	-1,093	-8,462
30%	719	-5,929	82	-4,820	-7,035	-3,389	-2,953	79	935	-2,732	-1,685	-4,577
40%	666	-3,460	1,275	-488	-3,500	-3,178	-981	45	1,122	-1,099	-2,071	-425
50%	-295	-2,570	660	-1,339	-2,534	-5,319	-278	1	790	-2,767	-1,481	95
60%	-110	-368	1,280	1,877	-843	-3,037	-375	731	881	-3,069	-1,788	437
70%	-102	358	0	2,495	72	-1,329	77	57	473	-2,687	510	1,177
80%	402	943	1,877	2,783	560	-46	246	329	620	-1,832	841	1,197
90%	403	906	2,129	637	489	541	600	321	717	-1,010	638	1,218
Long Term												
Full Simulation Period[a]	112	-1,773	266	-1,513	-2,857	-3,257	-1,668	-587	41	-1,380	-340	-2,737
Water Year Types[b]												
Wet (31%)	-2,095	-2,449	-1,711	-5,471	-6,562	-6,715	-4,232	-3,189	-1,788	-918	-1,997	-12,691
Above Normal (25%)	2,420	-1,216	424	-4,462	-6,235	-5,513	-4,972	-1,438	-809	-306	-1,417	-5,289
Below Normal (6%)	1,329	-3,460	-123	-311	-3,500	-5,011	-791	-341	-108	-4,465	-2,301	-1,007
Dry (13%)	-1,059	-2,060	608	77	-1,420	-1,873	326	910	1,331	-1,043	398	2,525
Critical (25%)	1,650	-889	1,590	1,319	438	-344	-66	588	841	-1,831	1,218	1,690

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-24-18. Sacramento River at Rio Vista, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	9,264	23,068	70,313	74,530	136,892	92,547	48,275	15,884	8,934	16,021	9,177	18,538
20%	7,620	17,740	15,859	70,165	88,135	66,036	18,787	10,909	8,374	14,602	8,789	15,402
30%	7,007	11,989	14,801	38,835	42,967	43,330	13,732	9,224	7,038	14,148	8,557	10,789
40%	6,634	9,334	12,528	19,363	25,904	27,346	10,716	8,298	6,612	12,452	8,131	5,892
50%	6,456	8,378	11,840	18,753	18,511	24,353	9,762	7,492	6,310	11,447	7,390	4,962
60%	6,209	6,122	9,479	14,868	12,566	19,775	9,509	6,466	6,001	10,281	6,992	4,508
70%	5,854	5,305	8,790	12,530	9,517	13,433	8,679	6,068	5,683	9,661	4,652	3,747
80%	4,844	4,712	6,657	10,435	8,020	10,185	8,249	5,403	5,022	7,671	4,227	3,687
90%	4,050	4,310	4,702	8,940	6,244	7,626	7,239	4,331	4,296	6,343	4,117	3,509
Long Term												
Full Simulation Period[a]	6,661	12,639	26,382	31,715	47,665	43,677	20,930	9,737	7,354	11,281	6,856	8,546
Water Year Types[b]												
Wet (31%)	8,244	26,634	76,445	56,302	118,226	104,545	49,866	17,006	11,537	12,336	8,194	18,346
Above Normal (25%)	4,900	6,486	14,135	73,855	84,726	56,970	20,466	9,603	7,362	14,303	8,596	10,789
Below Normal (6%)	7,620	9,334	9,092	19,186	25,904	21,749	10,716	7,538	8,443	9,509	7,153	5,892
Dry (13%)	6,722	10,392	10,406	12,203	13,972	21,589	10,770	8,706	6,316	12,919	8,060	4,537
Critical (25%)	5,858	6,361	7,469	13,307	7,699	11,722	8,136	5,241	4,617	8,273	4,067	3,547

Alternative 4 H2 (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	11,319	20,957	71,876	69,443	130,968	85,167	44,614	14,191	8,816	10,402	8,451	6,601
20%	9,723	16,570	17,025	61,275	80,681	58,799	22,884	12,714	7,482	9,830	7,564	6,591
30%	6,956	5,908	15,421	34,034	37,388	41,208	19,393	10,849	7,036	9,228	6,815	5,999
40%	6,484	5,874	14,600	18,828	22,729	24,278	12,457	9,884	7,015	8,503	5,901	5,454
50%	6,150	5,833	11,474	16,530	16,139	19,688	9,461	8,361	6,170	7,778	5,827	5,221
60%	6,109	5,751	7,988	14,157	11,292	17,447	8,909	7,602	6,073	7,192	5,197	4,978
70%	6,036	5,715	6,997	13,930	9,550	12,735	8,799	6,573	5,835	6,147	5,126	4,936
80%	5,112	5,636	6,967	10,757	8,522	10,146	8,045	5,410	5,456	5,698	5,025	4,901
90%	4,792	5,084	5,946	9,886	6,285	7,925	7,684	4,610	4,944	4,997	4,846	4,776
Long Term												
Full Simulation Period[a]	7,112	11,016	26,276	30,260	44,980	40,779	21,183	9,848	6,940	7,895	6,294	5,566
Water Year Types[b]												
Wet (31%)	6,479	24,560	75,539	50,782	111,759	97,887	49,765	15,190	8,985	8,464	6,109	5,733
Above Normal (25%)	7,929	5,183	15,421	72,371	79,764	51,813	24,080	11,527	6,345	7,513	6,821	5,135
Below Normal (6%)	5,112	5,827	7,009	18,828	23,432	18,657	10,003	7,602	8,694	5,221	4,850	4,901
Dry (13%)	5,792	8,437	10,307	11,735	12,546	20,160	10,645	9,285	6,907	9,867	7,621	5,631
Critical (25%)	8,747	5,616	7,836	14,106	7,900	11,598	7,824	5,802	5,217	6,549	5,460	5,686

Alternative 4 H2 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	2,054	**-2,110**	1,563	**-5,087**	**-5,924**	**-7,380**	**-3,660**	**-1,694**	**-119**	**-5,620**	**-726**	**-11,937**
20%	2,103	**-1,170**	1,166	**-8,890**	**-7,454**	**-7,237**	4,097	1,805	**-892**	**-4,773**	**-1,225**	**-8,811**
30%	**-51**	**-6,081**	620	**-4,801**	**-5,579**	**-2,122**	5,662	1,625	**-2**	**-4,920**	**-1,741**	**-4,790**
40%	**-150**	**-3,460**	2,072	**-535**	**-3,175**	**-3,068**	1,741	1,587	403	**-3,949**	**-2,229**	**-437**
50%	**-306**	**-2,545**	**-366**	**-2,223**	**-2,372**	**-4,665**	**-302**	869	**-140**	**-3,669**	**-1,563**	259
60%	**-100**	**-371**	**-1,491**	**-711**	**-1,274**	**-2,327**	**-599**	1,136	73	**-3,089**	**-1,795**	471
70%	182	409	**-1,793**	1,400	34	**-698**	120	505	152	**-3,513**	474	1,190
80%	268	924	309	322	501	**-39**	**-205**	7	434	**-1,974**	799	1,214
90%	742	774	1,244	946	42	298	444	278	647	**-1,346**	729	1,267
Long Term												
Full Simulation Period[a]	451	**-1,622**	**-106**	**-1,455**	**-2,685**	**-2,898**	253	110	**-414**	**-3,386**	**-562**	**-2,980**
Water Year Types[b]												
Wet (31%)	**-1,764**	**-2,074**	**-906**	**-5,520**	**-6,467**	**-6,658**	**-101**	**-1,816**	**-2,551**	**-3,872**	**-2,086**	**-12,613**
Above Normal (25%)	3,028	**-1,303**	1,286	**-1,484**	**-4,962**	**-5,157**	3,614	1,924	**-1,017**	**-6,790**	**-1,775**	**-5,654**
Below Normal (6%)	**-2,508**	**-3,507**	**-2,083**	**-358**	**-2,472**	**-3,091**	**-713**	64	251	**-4,289**	**-2,303**	**-990**
Dry (13%)	**-931**	**-1,955**	**-99**	**-468**	**-1,426**	**-1,429**	**-125**	579	591	**-3,052**	**-439**	1,093
Critical (25%)	2,889	**-745**	368	799	201	**-124**	**-312**	561	600	**-1,724**	1,393	2,138

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-24-19. Sacramento River at Rio Vista, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,264	23,068	70,313	74,530	136,892	92,547	48,275	15,884	8,934	16,021	9,177	18,538
20%	7,620	17,740	15,859	70,165	88,135	66,036	18,787	10,909	8,374	14,602	8,789	15,402
30%	7,007	11,989	14,801	38,835	42,967	43,330	13,732	9,224	7,038	14,148	8,557	10,789
40%	6,634	9,334	12,528	19,363	25,904	27,346	10,716	8,298	6,612	12,452	8,131	5,892
50%	6,456	8,378	11,840	18,753	18,511	24,353	9,762	7,492	6,310	11,447	7,390	4,962
60%	6,209	6,122	9,479	14,868	12,566	19,775	9,509	6,466	6,001	10,281	6,992	4,508
70%	5,854	5,305	8,790	12,530	9,517	13,433	8,679	6,068	5,683	9,661	4,652	3,747
80%	4,844	4,712	6,657	10,435	8,020	10,185	8,249	5,403	5,022	7,671	4,227	3,687
90%	4,050	4,310	4,702	8,940	6,244	7,626	7,239	4,331	4,296	6,343	4,117	3,509
Long Term												
Full Simulation Period[a]	6,661	12,639	26,382	31,715	47,665	43,677	20,930	9,737	7,354	11,281	6,856	8,546
Water Year Types[b]												
Wet (31%)	8,244	26,634	76,445	56,302	118,226	104,545	49,866	17,006	11,537	12,336	8,194	18,346
Above Normal (25%)	4,900	6,486	14,135	73,855	84,726	56,970	20,466	9,603	7,362	14,303	8,596	10,789
Below Normal (6%)	7,620	9,334	9,092	19,186	25,904	21,749	10,716	7,538	8,443	9,509	7,153	5,892
Dry (13%)	6,722	10,392	10,406	12,203	13,972	21,589	10,770	8,706	6,316	12,919	8,060	4,537
Critical (25%)	5,858	6,361	7,469	13,307	7,699	11,722	8,136	5,241	4,617	8,273	4,067	3,547

Alternative 4 H3 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	7,902	20,299	67,654	68,440	129,825	83,941	42,111	13,378	8,934	16,151	8,750	13,134
20%	7,108	16,225	15,438	60,964	80,614	58,768	17,632	10,452	8,344	11,981	7,745	11,002
30%	6,513	9,062	15,022	34,339	36,140	37,764	10,757	9,278	8,016	11,425	6,809	8,226
40%	6,326	6,146	14,273	19,023	22,457	24,197	9,746	8,503	7,832	10,706	5,881	8,131
50%	6,270	6,003	12,650	17,866	16,140	19,018	8,985	8,038	7,017	8,062	5,201	6,982
60%	5,976	5,842	10,134	16,398	11,697	16,750	8,743	7,192	6,602	7,434	5,183	6,544
70%	5,746	5,737	9,192	12,317	9,734	12,186	8,547	6,098	6,121	6,714	5,110	4,917
80%	5,461	5,592	9,004	10,070	8,505	10,148	8,299	5,728	5,600	5,990	5,070	4,789
90%	4,644	5,205	6,134	8,753	6,165	8,162	7,921	4,666	5,012	5,283	4,915	4,654
Long Term												
Full Simulation Period[a]	6,549	11,004	26,287	29,387	44,322	39,905	19,231	9,224	7,400	9,750	6,273	7,860
Water Year Types[b]												
Wet (31%)	6,196	22,944	73,456	50,590	110,326	96,808	45,956	13,812	9,728	11,283	6,222	13,060
Above Normal (25%)	8,879	5,289	15,374	66,617	77,768	51,417	15,538	8,255	6,598	13,969	7,247	8,226
Below Normal (6%)	5,976	5,969	6,844	18,734	22,457	16,750	9,908	7,192	8,799	5,085	4,852	4,883
Dry (13%)	6,007	8,989	10,752	11,568	12,633	18,617	10,929	9,834	7,644	11,635	7,625	6,527
Critical (25%)	6,447	6,357	9,234	13,919	7,866	11,440	7,835	5,861	5,382	6,260	5,126	5,217

Alternative 4 H3 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-1,363	-2,769	-2,659	-6,089	-7,067	-8,606	-6,164	-2,506	0	130	-426	-5,404
20%	-512	-1,515	-421	-9,201	-7,521	-7,268	-1,155	-457	-30	-2,622	-1,044	-4,400
30%	-494	-2,927	222	-4,496	-6,827	-5,566	-2,975	54	978	-2,722	-1,747	-2,564
40%	-308	-3,188	1,745	-340	-3,447	-3,149	-971	205	1,220	-1,746	-2,249	2,239
50%	-185	-2,374	809	-887	-2,371	-5,335	-777	546	706	-3,385	-2,189	2,020
60%	-233	-280	654	1,530	-869	-3,025	-765	727	601	-2,848	-1,809	2,037
70%	-108	432	402	-212	217	-1,247	-132	31	438	-2,947	458	1,170
80%	617	880	2,346	-366	485	-37	50	325	578	-1,681	844	1,102
90%	595	895	1,433	-187	-79	535	682	334	716	-1,060	798	1,144
Long Term												
Full Simulation Period[a]	-112	-1,634	-95	-2,328	-3,343	-3,772	-1,699	-513	46	-1,531	-584	-686
Water Year Types[b]												
Wet (31%)	-2,048	-3,690	-2,989	-5,712	-7,899	-7,737	-3,910	-3,195	-1,809	-1,053	-1,972	-5,286
Above Normal (25%)	3,978	-1,196	1,239	-7,238	-6,959	-5,553	-4,929	-1,349	-765	-334	-1,349	-2,564
Below Normal (6%)	-1,644	-3,365	-2,248	-452	-3,447	-4,999	-809	-345	356	-4,424	-2,301	-1,009
Dry (13%)	-716	-1,403	347	-635	-1,339	-2,972	159	1,128	1,328	-1,284	-436	1,990
Critical (25%)	589	-4	1,765	613	166	-282	-301	620	765	-2,012	1,059	1,669

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-24-20. Sacramento River at Rio Vista, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,264	23,068	70,313	74,530	136,892	92,547	48,275	15,884	8,934	16,021	9,177	18,538
20%	7,620	17,740	15,859	70,165	88,135	66,036	18,787	10,909	8,374	14,602	8,789	15,402
30%	7,007	11,989	14,801	38,835	42,967	43,330	13,732	9,224	7,038	14,148	8,557	10,789
40%	6,634	9,334	12,528	19,363	25,904	27,346	10,716	8,298	6,612	12,452	8,131	5,892
50%	6,456	8,378	11,840	18,753	18,511	24,353	9,762	7,492	6,310	11,447	7,390	4,962
60%	6,209	6,122	9,479	14,868	12,566	19,775	9,509	6,466	6,001	10,281	6,992	4,508
70%	5,854	5,305	8,790	12,530	9,517	13,433	8,679	6,068	5,683	9,661	4,652	3,747
80%	4,844	4,712	6,657	10,435	8,020	10,185	8,249	5,403	5,022	7,671	4,227	3,687
90%	4,050	4,310	4,702	8,940	6,244	7,626	7,239	4,331	4,296	6,343	4,117	3,509
Long Term												
Full Simulation Period[a]	6,661	12,639	26,382	31,715	47,665	43,677	20,930	9,737	7,354	11,281	6,856	8,546
Water Year Types[b]												
Wet (31%)	8,244	26,634	76,445	56,302	118,226	104,545	49,866	17,006	11,537	12,336	8,194	18,346
Above Normal (25%)	4,900	6,486	14,135	73,855	84,726	56,970	20,466	9,603	7,362	14,303	8,596	10,789
Below Normal (6%)	7,620	9,334	9,092	19,186	25,904	21,749	10,716	7,538	8,443	9,509	7,153	5,892
Dry (13%)	6,722	10,392	10,406	12,203	13,972	21,589	10,770	8,706	6,316	12,919	8,060	4,537
Critical (25%)	5,858	6,361	7,469	13,307	7,699	11,722	8,136	5,241	4,617	8,273	4,067	3,547

Alternative 4 H4 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,283	19,018	67,659	69,456	129,929	85,549	44,707	14,073	8,689	10,248	8,349	13,185
20%	8,723	16,197	15,493	61,806	80,704	58,800	22,883	12,606	7,378	9,332	7,560	10,381
30%	7,074	9,097	14,825	34,032	37,181	40,325	19,366	10,789	7,035	8,667	7,409	8,235
40%	6,527	6,063	14,503	18,850	22,726	24,219	12,591	9,786	6,786	8,107	6,146	7,050
50%	6,428	5,899	11,439	16,355	16,119	19,085	9,610	8,338	6,169	7,296	5,945	6,223
60%	6,325	5,792	9,247	13,707	11,373	16,792	8,897	7,606	6,063	6,280	5,688	6,122
70%	6,098	5,741	8,289	10,433	9,548	12,198	8,468	6,460	5,836	6,133	5,449	5,665
80%	5,915	5,644	7,416	9,041	8,501	10,155	8,066	5,409	5,657	6,004	5,155	5,214
90%	4,355	5,163	6,207	8,189	6,382	7,862	7,826	4,596	4,942	5,446	4,971	4,877
Long Term												
Full Simulation Period[a]	6,957	11,052	25,873	29,198	44,509	40,429	21,200	9,803	6,912	7,722	6,459	7,803
Water Year Types[b]												
Wet (31%)	7,333	23,063	73,487	50,695	110,418	97,703	49,806	15,095	8,987	8,423	6,325	12,929
Above Normal (25%)	8,674	5,191	15,201	71,368	78,819	51,598	24,191	11,409	6,348	7,516	6,821	8,235
Below Normal (6%)	5,966	5,945	8,526	18,850	22,847	16,792	9,962	7,606	8,439	5,210	4,871	4,972
Dry (13%)	6,011	8,892	10,107	11,586	12,537	19,832	10,425	9,260	6,820	9,067	7,637	5,724
Critical (25%)	6,925	6,538	8,131	11,292	7,969	11,349	7,986	5,802	5,244	6,669	5,798	5,758

Alternative 4 H4 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	19	-4,049	-2,655	-5,073	-6,963	-6,998	-3,567	-1,812	-246	-5,773	-827	-5,353
20%	1,103	-1,543	-367	-8,359	-7,431	-7,236	4,095	1,697	-996	-5,270	-1,229	-5,021
30%	67	-2,892	24	-4,803	-5,786	-3,005	5,634	1,565	-3	-5,481	-1,148	-2,554
40%	-107	-3,271	1,975	-512	-3,179	-3,128	1,875	1,488	173	-4,344	-1,985	1,159
50%	-28	-2,479	-402	-2,398	-2,392	-5,268	-152	846	-141	-4,151	-1,445	1,261
60%	115	-330	-232	-1,161	-1,193	-2,983	-612	1,140	62	-4,001	-1,304	1,615
70%	244	436	-501	-2,097	31	-1,235	-211	392	153	-3,527	798	1,918
80%	1,071	932	759	-1,394	481	-31	-183	6	635	-1,667	928	1,527
90%	305	853	1,505	-751	138	235	586	264	646	-897	854	1,368
Long Term												
Full Simulation Period[a]	296	-1,586	-509	-2,518	-3,156	-3,248	270	66	-442	-3,560	-397	-744
Water Year Types[b]												
Wet (31%)	-911	-3,571	-2,958	-5,607	-7,808	-6,841	-61	-1,912	-2,549	-3,913	-1,869	-5,417
Above Normal (25%)	3,773	-1,295	1,066	-2,487	-5,907	-5,372	3,725	1,805	-1,015	-6,787	-1,774	-2,554
Below Normal (6%)	-1,654	-3,390	-566	-335	-3,058	-4,957	-754	68	-4	-4,300	-2,282	-920
Dry (13%)	-711	-1,501	-298	-617	-1,435	-1,758	-345	554	503	-3,853	-423	1,186
Critical (25%)	1,067	177	663	-2,015	270	-373	-150	561	628	-1,604	1,731	2,211

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-24-21. Sacramento River at Rio Vista, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,264	23,068	70,313	74,530	136,892	92,547	48,275	15,884	8,934	16,021	9,177	18,538
20%	7,620	17,740	15,859	70,165	88,135	66,036	18,787	10,909	8,374	14,602	8,789	15,402
30%	7,007	11,989	14,801	38,835	42,967	43,330	13,732	9,224	7,038	14,148	8,557	10,789
40%	6,634	9,334	12,528	19,363	25,904	27,346	10,716	8,298	6,612	12,452	8,131	5,892
50%	6,456	8,378	11,840	18,753	18,511	24,353	9,762	7,492	6,310	11,447	7,390	4,962
60%	6,209	6,122	9,479	14,868	12,566	19,775	9,509	6,466	6,001	10,281	6,992	4,508
70%	5,854	5,305	8,790	12,530	9,517	13,433	8,679	6,068	5,683	9,661	4,652	3,747
80%	4,844	4,712	6,657	10,435	8,020	10,185	8,249	5,403	5,022	7,671	4,227	3,687
90%	4,050	4,310	4,702	8,940	6,244	7,626	7,239	4,331	4,296	6,343	4,117	3,509
Long Term												
Full Simulation Period[a]	6,661	12,639	26,382	31,715	47,665	43,677	20,930	9,737	7,354	11,281	6,856	8,546
Water Year Types[b]												
Wet (31%)	8,244	26,634	76,445	56,302	118,226	104,545	49,866	17,006	11,537	12,336	8,194	18,346
Above Normal (25%)	4,900	6,486	14,135	73,855	84,726	56,970	20,466	9,603	7,362	14,303	8,596	10,789
Below Normal (6%)	7,620	9,334	9,092	19,186	25,904	21,749	10,716	7,538	8,443	9,509	7,153	5,892
Dry (13%)	6,722	10,392	10,406	12,203	13,972	21,589	10,770	8,706	6,316	12,919	8,060	4,537
Critical (25%)	5,858	6,361	7,469	13,307	7,699	11,722	8,136	5,241	4,617	8,273	4,067	3,547

Alternative 5 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	10,127	22,572	72,797	73,389	134,742	89,017	47,090	15,405	11,034	13,996	9,815	15,373
20%	8,145	16,794	15,992	66,062	85,802	63,951	18,254	9,771	10,073	12,945	8,744	12,954
30%	7,906	10,172	14,854	37,764	41,064	42,308	12,428	9,294	8,877	12,315	8,050	9,161
40%	7,351	7,806	14,090	19,239	24,893	26,354	11,017	8,058	8,150	12,071	5,971	5,546
50%	6,785	7,109	12,314	18,324	17,584	22,716	9,980	7,492	7,968	10,792	5,497	5,472
60%	6,124	6,575	10,328	14,768	11,966	18,782	9,146	6,920	7,236	10,129	5,213	5,192
70%	5,810	6,130	10,003	12,479	10,661	13,132	9,106	6,215	6,758	8,158	5,206	5,000
80%	5,563	5,765	7,169	10,404	8,891	10,597	8,933	5,899	5,688	7,326	4,641	4,783
90%	4,734	5,559	6,240	9,067	6,396	8,426	8,441	4,761	5,259	5,502	4,584	4,708
Long Term												
Full Simulation Period[a]	7,026	12,179	27,145	31,303	46,847	42,642	20,789	9,662	8,582	10,345	6,639	8,147
Water Year Types[b]												
Wet (31%)	7,316	26,331	77,009	54,460	115,816	101,846	48,898	16,168	12,886	11,328	7,488	15,395
Above Normal (25%)	5,643	6,633	15,041	73,030	82,716	55,353	18,606	8,688	9,112	12,688	6,975	9,161
Below Normal (6%)	5,916	6,678	10,056	19,239	24,893	19,702	10,252	7,377	10,117	10,225	5,496	4,576
Dry (13%)	6,382	9,336	11,024	12,196	13,502	21,029	11,261	9,321	7,523	11,466	8,105	5,053
Critical (25%)	8,083	6,451	8,409	13,783	8,393	12,073	8,903	5,575	5,467	7,750	4,880	5,134

Alternative 5 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	863	-496	2,483	-1,140	-2,150	-3,530	-1,185	-479	2,099	-2,025	639	-3,165
20%	525	-946	133	-4,103	-2,333	-2,085	-534	-1,138	1,699	-1,658	-45	-2,448
30%	899	-1,817	53	-1,071	-1,903	-1,022	-1,304	70	1,840	-1,833	-506	-1,629
40%	717	-1,528	1,562	-124	-1,012	-992	301	-240	1,538	-381	-2,159	-346
50%	329	-1,269	473	-429	-927	-1,637	218	0	1,658	-655	-1,893	510
60%	-85	453	848	-100	-600	-992	-363	455	1,235	-153	-1,779	685
70%	-44	825	1,213	-51	1,144	-301	427	147	1,075	-1,503	554	1,253
80%	719	1,053	512	-31	871	412	684	497	666	-346	415	1,095
90%	684	1,250	1,538	127	153	800	1,201	430	963	-841	467	1,199
Long Term												
Full Simulation Period[a]	365	-459	763	-413	-818	-1,035	-141	-76	1,228	-936	-217	-399
Water Year Types[b]												
Wet (31%)	-927	-303	564	-1,842	-2,410	-2,699	-968	-839	1,350	-1,008	-706	-2,951
Above Normal (25%)	742	148	906	-825	-2,010	-1,617	-1,860	-915	1,749	-1,615	-1,620	-1,629
Below Normal (6%)	-1,703	-2,656	963	53	-1,012	-2,046	-464	-160	1,674	715	-1,657	-1,316
Dry (13%)	-341	-1,056	619	-6	-470	-561	491	615	1,207	-1,453	45	516
Critical (25%)	2,225	90	940	477	694	352	767	334	851	-523	813	1,586

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-24-22. Sacramento River at Rio Vista, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,264	23,068	70,313	74,530	136,892	92,547	48,275	15,884	8,934	16,021	9,177	18,538
20%	7,620	17,740	15,859	70,165	88,135	66,036	18,787	10,909	8,374	14,602	8,789	15,402
30%	7,007	11,989	14,801	38,835	42,967	43,330	13,732	9,224	7,038	14,148	8,557	10,789
40%	6,634	9,334	12,528	19,363	25,904	27,346	10,716	8,298	6,612	12,452	8,131	5,892
50%	6,456	8,378	11,840	18,753	18,511	24,353	9,762	7,492	6,310	11,447	7,390	4,962
60%	6,209	6,122	9,479	14,868	12,566	19,775	9,509	6,466	6,001	10,281	6,992	4,508
70%	5,854	5,305	8,790	12,530	9,517	13,433	8,679	6,068	5,683	9,661	4,652	3,747
80%	4,844	4,712	6,657	10,435	8,020	10,185	8,249	5,403	5,022	7,671	4,227	3,687
90%	4,050	4,310	4,702	8,940	6,244	7,626	7,239	4,331	4,296	6,343	4,117	3,509
Long Term												
Full Simulation Period[a]	6,661	12,639	26,382	31,715	47,665	43,677	20,930	9,737	7,354	11,281	6,856	8,546
Water Year Types[b]												
Wet (31%)	8,244	26,634	76,445	56,302	118,226	104,545	49,866	17,006	11,537	12,336	8,194	18,346
Above Normal (25%)	4,900	6,486	14,135	73,855	84,726	56,970	20,466	9,603	7,362	14,303	8,596	10,789
Below Normal (6%)	7,620	9,334	9,092	19,186	25,904	21,749	10,716	7,538	8,443	9,509	7,153	5,892
Dry (13%)	6,722	10,392	10,406	12,203	13,972	21,589	10,770	8,706	6,316	12,919	8,060	4,537
Critical (25%)	5,858	6,361	7,469	13,307	7,699	11,722	8,136	5,241	4,617	8,273	4,067	3,547

Alternative 6A,6B,6C (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	6,731	22,333	73,043	64,733	126,108	83,610	40,942	11,700	8,154	6,717	5,298	10,663
20%	6,477	14,747	15,743	59,700	78,498	57,725	17,250	8,784	6,476	5,292	5,229	6,517
30%	5,822	9,194	14,735	34,284	34,353	36,976	10,675	8,069	6,327	5,262	5,169	6,001
40%	5,744	6,028	13,067	18,674	22,235	23,425	9,798	7,709	6,023	5,173	5,107	5,097
50%	5,684	5,870	11,103	17,172	16,109	18,934	9,114	6,986	5,965	4,806	5,045	5,028
60%	5,475	5,773	8,127	13,631	14,698	15,850	8,667	6,412	5,901	4,723	4,928	4,903
70%	5,311	5,701	7,000	10,762	10,799	12,201	8,583	5,736	5,287	4,644	4,832	4,727
80%	5,107	5,663	6,819	9,111	8,536	10,100	7,989	4,978	4,760	4,549	4,666	4,697
90%	4,058	5,068	5,628	7,797	6,216	6,889	7,493	4,319	4,680	4,440	4,653	4,672
Long Term												
Full Simulation Period[a]	5,563	10,667	25,896	28,138	44,022	39,373	18,816	8,346	6,388	5,265	4,983	6,147
Water Year Types[b]												
Wet (31%)	6,166	21,896	75,619	48,777	109,829	96,691	44,785	13,332	8,342	6,814	5,254	9,926
Above Normal (25%)	4,034	5,068	13,827	67,187	73,830	49,489	15,318	8,246	5,931	5,222	5,209	6,001
Below Normal (6%)	5,744	6,028	6,819	18,674	22,270	15,850	10,062	7,289	8,335	4,491	5,013	5,055
Dry (13%)	5,892	8,942	9,909	11,709	12,335	18,807	10,776	7,704	6,068	4,897	4,911	4,925
Critical (25%)	5,393	6,233	7,550	11,043	9,152	10,630	7,621	5,122	4,873	4,492	4,727	4,380

Alternative 6A,6B,6C (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-2,534	-735	2,730	-9,797	-10,784	-8,937	-7,332	-4,185	-781	-9,304	-3,878	-7,875
20%	-1,143	-2,994	-117	-10,465	-9,637	-8,310	-1,538	-2,126	-1,898	-9,310	-3,560	-8,885
30%	-1,185	-2,795	-65	-4,551	-8,614	-6,354	-3,056	-1,155	-711	-8,886	-3,388	-4,789
40%	-890	-3,307	539	-689	-3,669	-3,921	-918	-588	-589	-7,279	-3,024	-794
50%	-772	-2,508	-737	-1,580	-2,402	-5,419	-648	-506	-346	-6,640	-2,345	66
60%	-734	-349	-1,352	-1,237	2,132	-3,925	-842	-53	-100	-5,559	-2,064	395
70%	-543	396	-1,790	-1,767	1,283	-1,232	-96	-332	-396	-5,017	181	981
80%	263	951	162	-1,325	516	-85	-260	-425	-262	-3,123	439	1,010
90%	8	758	926	-1,143	-28	-738	254	-13	384	-1,902	536	1,162
Long Term												
Full Simulation Period[a]	-1,098	-1,971	-486	-3,577	-3,643	-4,304	-2,114	-1,391	-966	-6,016	-1,873	-2,399
Water Year Types[b]												
Wet (31%)	-2,078	-4,738	-826	-7,525	-8,397	-7,854	-5,081	-3,674	-3,195	-5,521	-2,941	-8,421
Above Normal (25%)	-866	-1,418	-309	-6,668	-10,896	-7,482	-5,148	-1,357	-1,431	-9,081	-3,386	-4,789
Below Normal (6%)	-1,876	-3,307	-2,273	-512	-3,634	-5,899	-654	-249	-108	-5,018	-2,140	-837
Dry (13%)	-830	-1,450	-497	-494	-1,637	-2,782	6	-1,001	-248	-8,022	-3,149	388
Critical (25%)	-465	-129	81	-2,263	1,453	-1,092	-515	-119	256	-3,781	660	833

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-24-23. Sacramento River at Rio Vista, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,264	23,068	70,313	74,530	136,892	92,547	48,275	15,884	8,934	16,021	9,177	18,538
20%	7,620	17,740	15,859	70,165	88,135	66,036	18,787	10,909	8,374	14,602	8,789	15,402
30%	7,007	11,989	14,801	38,835	42,967	43,330	13,732	9,224	7,038	14,148	8,557	10,789
40%	6,634	9,334	12,528	19,363	25,904	27,346	10,716	8,298	6,612	12,452	8,131	5,892
50%	6,456	8,378	11,840	18,753	18,511	24,353	9,762	7,492	6,310	11,447	7,390	4,962
60%	6,209	6,122	9,479	14,868	12,566	19,775	9,509	6,466	6,001	10,281	6,992	4,508
70%	5,854	5,305	8,790	12,530	9,517	13,433	8,679	6,068	5,683	9,661	4,652	3,747
80%	4,844	4,712	6,657	10,435	8,020	10,185	8,249	5,403	5,022	7,671	4,227	3,687
90%	4,050	4,310	4,702	8,940	6,244	7,626	7,239	4,331	4,296	6,343	4,117	3,509
Long Term												
Full Simulation Period[a]	6,661	12,639	26,382	31,715	47,665	43,677	20,930	9,737	7,354	11,281	6,856	8,546
Water Year Types[b]												
Wet (31%)	8,244	26,634	76,445	56,302	118,226	104,545	49,866	17,006	11,537	12,336	8,194	18,346
Above Normal (25%)	4,900	6,486	14,135	73,855	84,726	56,970	20,466	9,603	7,362	14,303	8,596	10,789
Below Normal (6%)	7,620	9,334	9,092	19,186	25,904	21,749	10,716	7,538	8,443	9,509	7,153	5,892
Dry (13%)	6,722	10,392	10,406	12,203	13,972	21,589	10,770	8,706	6,316	12,919	8,060	4,537
Critical (25%)	5,858	6,361	7,469	13,307	7,699	11,722	8,136	5,241	4,617	8,273	4,067	3,547

Alternative 7 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	6,540	20,296	75,109	69,223	129,735	86,590	40,914	12,693	7,919	14,141	8,552	13,140
20%	6,380	15,884	15,495	63,803	80,692	58,851	17,249	8,698	7,160	11,535	7,855	10,462
30%	6,128	9,185	14,556	34,569	36,083	38,000	11,166	7,920	6,970	11,047	7,512	8,082
40%	5,945	6,380	12,916	18,877	22,732	24,331	9,584	7,624	6,866	10,364	7,349	6,407
50%	5,774	5,959	11,123	17,102	16,743	19,570	9,244	6,902	6,736	9,858	7,053	5,686
60%	5,713	5,876	8,203	13,781	14,995	17,595	9,175	6,187	6,544	8,954	6,890	4,971
70%	5,530	5,770	7,162	10,522	11,080	13,018	8,516	5,742	6,504	7,786	6,715	4,805
80%	5,221	5,719	6,851	9,172	8,617	10,324	8,077	5,396	6,424	6,463	6,545	4,641
90%	4,000	5,644	5,640	7,912	6,235	7,141	7,576	5,338	6,390	6,249	6,399	4,544
Long Term												
Full Simulation Period[a]	5,557	11,163	26,300	29,367	45,195	40,362	18,964	8,657	7,408	9,751	7,331	7,421
Water Year Types[b]												
Wet (31%)	6,164	23,492	77,267	50,849	111,976	98,149	45,029	13,695	9,676	11,075	7,251	13,030
Above Normal (25%)	4,231	6,053	13,728	72,061	77,499	50,350	15,250	8,161	7,013	10,592	7,120	8,082
Below Normal (6%)	5,221	6,010	6,851	18,877	22,732	18,431	10,632	7,375	8,005	10,364	7,914	6,407
Dry (13%)	5,834	8,792	9,856	11,786	12,890	19,753	10,930	7,665	6,561	11,979	8,262	4,933
Critical (25%)	5,446	6,271	7,600	11,267	9,184	11,012	7,692	5,875	6,310	6,449	6,619	4,864

Alternative 7 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-2,725	-2,772	4,795	-5,307	-7,157	-5,957	-7,360	-3,191	-1,016	-1,880	-625	-5,398
20%	-1,240	-1,856	-365	-6,362	-7,443	-7,185	-1,538	-2,212	-1,214	-3,067	-934	-4,940
30%	-879	-2,804	-244	-4,266	-6,884	-5,329	-2,566	-1,304	-68	-3,101	-1,044	-2,708
40%	-689	-2,955	387	-486	-3,172	-3,015	-1,132	-674	253	-2,087	-781	516
50%	-682	-2,418	-717	-1,650	-1,768	-4,783	-519	-590	426	-1,588	-337	724
60%	-497	-246	-1,276	-1,087	2,429	-2,180	-333	-279	544	-1,327	-102	463
70%	-325	465	-1,628	-2,008	1,563	-415	-163	-326	821	-1,875	2,063	1,058
80%	377	1,007	194	-1,263	596	138	-172	-7	1,402	-1,208	2,318	954
90%	-50	1,334	938	-1,028	-9	-486	336	1,007	2,093	-94	2,282	1,035
Long Term												
Full Simulation Period[a]	-1,104	-1,476	-82	-2,348	-2,471	-3,315	-1,965	-1,081	54	-1,530	475	-1,125
Water Year Types[b]												
Wet (31%)	-2,079	-3,143	821	-5,453	-6,249	-6,395	-4,837	-3,311	-1,860	-1,261	-943	-5,316
Above Normal (25%)	-669	-432	-408	-1,794	-7,227	-6,620	-5,217	-1,443	-350	-3,711	-1,476	-2,708
Below Normal (6%)	-2,399	-3,325	-2,241	-309	-3,172	-3,318	-85	-163	-438	855	761	516
Dry (13%)	-888	-1,600	-550	-416	-1,082	-1,837	160	-1,041	245	-940	201	396
Critical (25%)	-412	-90	131	-2,039	1,485	-710	-444	634	1,693	-1,823	2,552	1,316

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-24-24. Sacramento River at Rio Vista, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,264	23,068	70,313	74,530	136,892	92,547	48,275	15,884	8,934	16,021	9,177	18,538
20%	7,620	17,740	15,859	70,165	88,135	66,036	18,787	10,909	8,374	14,602	8,789	15,402
30%	7,007	11,989	14,801	38,835	42,967	43,330	13,732	9,224	7,038	14,148	8,557	10,789
40%	6,634	9,334	12,528	19,363	25,904	27,346	10,716	8,298	6,612	12,452	8,131	5,892
50%	6,456	8,378	11,840	18,753	18,511	24,353	9,762	7,492	6,310	11,447	7,390	4,962
60%	6,209	6,122	9,479	14,868	12,566	19,775	9,509	6,466	6,001	10,281	6,992	4,508
70%	5,854	5,305	8,790	12,530	9,517	13,433	8,679	6,068	5,683	9,661	4,652	3,747
80%	4,844	4,712	6,657	10,435	8,020	10,185	8,249	5,403	5,022	7,671	4,227	3,687
90%	4,050	4,310	4,702	8,940	6,244	7,626	7,239	4,331	4,296	6,343	4,117	3,509
Long Term												
Full Simulation Period[a]	6,661	12,639	26,382	31,715	47,665	43,677	20,930	9,737	7,354	11,281	6,856	8,546
Water Year Types[b]												
Wet (31%)	8,244	26,634	76,445	56,302	118,226	104,545	49,866	17,006	11,537	12,336	8,194	18,346
Above Normal (25%)	4,900	6,486	14,135	73,855	84,726	56,970	20,466	9,603	7,362	14,303	8,596	10,789
Below Normal (6%)	7,620	9,334	9,092	19,186	25,904	21,749	10,716	7,538	8,443	9,509	7,153	5,892
Dry (13%)	6,722	10,392	10,406	12,203	13,972	21,589	10,770	8,706	6,316	12,919	8,060	4,537
Critical (25%)	5,858	6,361	7,469	13,307	7,699	11,722	8,136	5,241	4,617	8,273	4,067	3,547

Alternative 8 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	6,382	23,320	75,174	69,693	125,066	85,846	44,793	15,444	7,669	8,227	6,849	13,091
20%	6,302	16,375	15,602	63,693	80,642	58,833	21,043	11,556	6,928	7,078	6,823	10,538
30%	5,992	9,133	14,555	36,081	42,943	42,335	14,101	10,571	6,885	6,946	6,796	8,086
40%	5,646	5,944	12,757	22,810	21,952	24,585	13,583	8,678	6,803	6,742	6,764	4,954
50%	5,277	5,865	11,098	19,837	19,075	22,623	12,648	7,861	6,730	6,589	6,677	4,853
60%	5,013	5,844	7,926	15,646	16,546	20,681	11,793	7,635	6,545	6,439	6,598	4,739
70%	4,760	5,754	6,998	11,267	12,727	16,363	10,322	7,372	6,496	6,402	6,421	4,664
80%	4,170	5,696	6,795	9,945	8,912	11,980	9,378	6,898	6,406	6,334	6,310	4,606
90%	3,347	5,213	5,620	7,853	7,120	10,590	8,206	5,413	6,402	6,151	5,993	4,547
Long Term												
Full Simulation Period[a]	5,133	11,236	26,288	30,868	46,168	42,347	21,276	10,463	7,516	6,895	6,489	7,172
Water Year Types[b]												
Wet (31%)	5,770	24,099	77,409	52,700	111,685	98,118	46,913	16,755	10,389	8,114	6,848	12,951
Above Normal (25%)	4,542	5,213	13,723	75,430	77,035	50,794	19,074	9,953	6,897	6,891	6,747	8,086
Below Normal (6%)	5,013	5,944	6,795	21,046	28,820	21,253	12,700	11,556	7,529	6,334	6,598	4,871
Dry (13%)	5,029	8,911	9,898	12,777	14,952	24,759	14,197	8,355	6,455	6,571	6,611	4,763
Critical (25%)	4,967	6,273	7,428	12,017	9,850	12,641	9,026	7,100	6,311	6,291	5,980	4,572

Alternative 8 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	**-2,882**	252	4,860	**-4,837**	**-11,826**	**-6,701**	**-3,481**	**-440**	**-1,266**	**-7,794**	**-2,328**	**-5,447**
20%	**-1,318**	**-1,365**	**-258**	**-6,472**	**-7,493**	**-7,203**	2,256	647	**-1,446**	**-7,525**	**-1,966**	**-4,864**
30%	**-1,015**	**-2,856**	**-246**	**-2,754**	**-24**	**-994**	369	1,347	**-153**	**-7,201**	**-1,761**	**-2,703**
40%	**-988**	**-3,391**	229	3,447	**-3,953**	**-2,762**	2,867	380	191	**-5,710**	**-1,367**	**-938**
50%	**-1,179**	**-2,512**	**-743**	1,084	565	**-1,730**	2,886	369	420	**-4,858**	**-713**	**-109**
60%	**-1,196**	**-278**	**-1,553**	778	3,980	906	2,285	1,169	545	**-3,842**	**-394**	231
70%	**-1,094**	449	**-1,792**	**-1,263**	3,210	2,930	1,643	1,304	813	**-3,259**	1,769	917
80%	**-674**	984	138	**-490**	892	1,795	1,129	1,496	1,384	**-1,337**	2,084	919
90%	**-703**	903	918	**-1,087**	876	2,963	966	1,082	2,106	**-192**	1,876	1,038
Long Term												
Full Simulation Period[a]	**-1,528**	**-1,403**	**-94**	**-847**	**-1,497**	**-1,330**	346	725	162	**-4,387**	**-367**	**-1,374**
Water Year Types[b]												
Wet (31%)	**-2,474**	**-2,535**	964	**-3,602**	**-6,540**	**-6,426**	**-2,954**	**-251**	**-1,147**	**-4,221**	**-1,346**	**-5,395**
Above Normal (25%)	**-359**	**-1,273**	**-413**	1,575	**-7,692**	**-6,176**	**-1,393**	350	**-466**	**-7,411**	**-1,849**	**-2,703**
Below Normal (6%)	**-2,607**	**-3,391**	**-2,297**	1,860	2,915	**-495**	1,984	4,018	**-914**	**-3,175**	**-555**	**-1,021**
Dry (13%)	**-1,693**	**-1,481**	**-508**	574	980	3,170	3,427	**-351**	138	**-6,348**	**-1,449**	226
Critical (25%)	**-891**	**-88**	**-40**	**-1,290**	2,151	919	890	1,859	1,694	**-1,982**	1,913	1,025

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-24-25. Sacramento River at Rio Vista, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,264	23,068	70,313	74,530	136,892	92,547	48,275	15,884	8,934	16,021	9,177	18,538
20%	7,620	17,740	15,859	70,165	88,135	66,036	18,787	10,909	8,374	14,602	8,789	15,402
30%	7,007	11,989	14,801	38,835	42,967	43,330	13,732	9,224	7,038	14,148	8,557	10,789
40%	6,634	9,334	12,528	19,363	25,904	27,346	10,716	8,298	6,612	12,452	8,131	5,892
50%	6,456	8,378	11,840	18,753	18,511	24,353	9,762	7,492	6,310	11,447	7,390	4,962
60%	6,209	6,122	9,479	14,868	12,566	19,775	9,509	6,466	6,001	10,281	6,992	4,508
70%	5,854	5,305	8,790	12,530	9,517	13,433	8,679	6,068	5,683	9,661	4,652	3,747
80%	4,844	4,712	6,657	10,435	8,020	10,185	8,249	5,403	5,022	7,671	4,227	3,687
90%	4,050	4,310	4,702	8,940	6,244	7,626	7,239	4,331	4,296	6,343	4,117	3,509
Long Term												
Full Simulation Period[a]	6,661	12,639	26,382	31,715	47,665	43,677	20,930	9,737	7,354	11,281	6,856	8,546
Water Year Types[b]												
Wet (31%)	8,244	26,634	76,445	56,302	118,226	104,545	49,866	17,006	11,537	12,336	8,194	18,346
Above Normal (25%)	4,900	6,486	14,135	73,855	84,726	56,970	20,466	9,603	7,362	14,303	8,596	10,789
Below Normal (6%)	7,620	9,334	9,092	19,186	25,904	21,749	10,716	7,538	8,443	9,509	7,153	5,892
Dry (13%)	6,722	10,392	10,406	12,203	13,972	21,589	10,770	8,706	6,316	12,919	8,060	4,537
Critical (25%)	5,858	6,361	7,469	13,307	7,699	11,722	8,136	5,241	4,617	8,273	4,067	3,547

Alternative 9 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	11,289	24,344	75,570	79,014	141,135	94,966	49,723	15,695	10,232	13,492	10,706	21,351
20%	9,935	18,674	14,603	71,991	91,344	68,971	17,349	10,796	9,434	13,388	10,532	15,942
30%	8,507	13,409	13,138	39,799	44,554	44,715	12,868	10,135	8,517	12,458	10,334	12,694
40%	7,597	9,683	12,760	18,673	27,132	27,495	10,811	8,986	8,244	10,712	10,072	7,710
50%	6,772	7,348	11,014	18,108	17,147	24,280	9,596	8,825	8,155	10,454	8,969	6,124
60%	6,275	6,705	9,587	13,552	10,794	18,934	9,274	8,217	8,027	10,161	7,698	5,873
70%	5,695	6,334	8,801	9,669	9,106	12,921	8,935	7,626	7,232	9,594	6,786	5,032
80%	5,602	6,115	7,811	8,565	8,077	9,838	8,462	5,932	6,867	8,047	5,734	4,981
90%	4,909	5,430	7,467	7,954	6,953	8,012	8,123	5,797	6,418	6,664	5,525	4,870
Long Term												
Full Simulation Period[a]	7,527	13,398	27,426	32,158	48,468	44,622	21,313	10,745	8,915	10,703	8,427	10,184
Water Year Types[b]												
Wet (31%)	10,168	27,600	80,209	58,143	120,157	107,192	51,312	17,884	13,005	11,785	9,692	20,564
Above Normal (25%)	4,768	7,439	13,293	79,320	88,056	58,950	20,023	9,806	8,401	13,442	10,317	12,694
Below Normal (6%)	8,325	11,030	9,063	18,544	27,132	21,420	10,811	8,217	9,434	10,250	8,416	7,710
Dry (13%)	7,305	10,019	9,869	11,394	13,095	21,552	11,008	10,080	7,952	11,259	9,305	5,783
Critical (25%)	6,536	7,597	8,570	11,838	7,849	11,932	8,173	6,449	6,516	8,387	5,959	4,892

Alternative 9 (LLT) minus No Action Alternative (LLT)

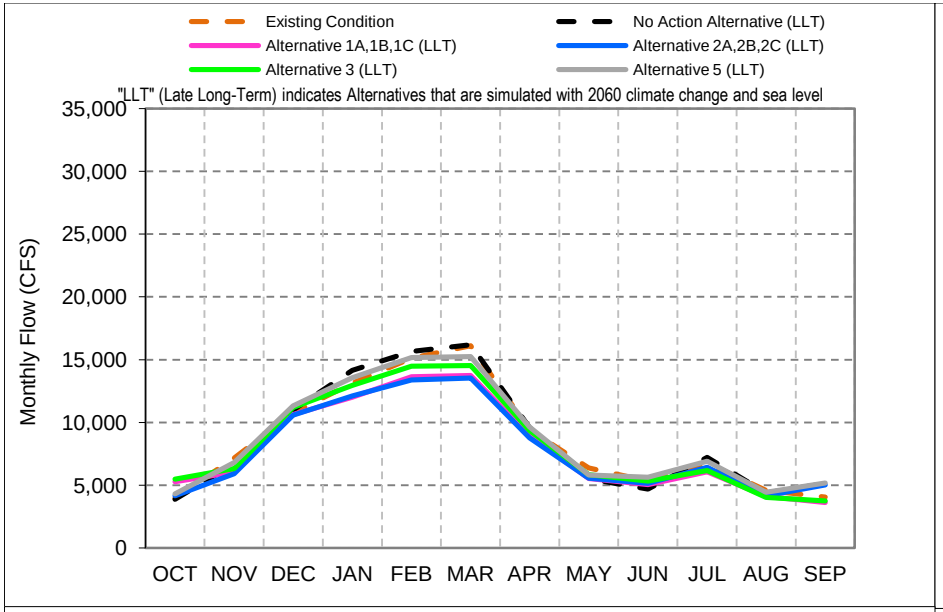
	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,025	1,276	5,257	4,484	4,243	2,419	1,448	**-190**	1,298	**-2,529**	1,529	2,813
20%	2,315	934	**-1,257**	1,826	3,209	2,935	**-1,438**	**-113**	1,060	**-1,214**	1,743	540
30%	1,500	1,420	**-1,663**	964	1,587	1,385	**-863**	911	1,479	**-1,689**	1,777	1,904
40%	963	349	232	**-690**	1,228	149	95	688	1,632	**-1,739**	1,941	1,819
50%	316	**-1,029**	**-827**	**-645**	**-1,364**	**-73**	**-167**	1,333	1,845	**-993**	1,579	1,162
60%	66	583	108	**-1,316**	**-1,772**	**-841**	**-234**	1,751	2,027	**-121**	706	1,365
70%	**-160**	1,029	11	**-2,861**	**-411**	**-512**	256	1,558	1,549	**-67**	2,135	1,285
80%	758	1,403	1,154	**-1,870**	57	**-347**	213	529	1,844	375	1,507	1,294
90%	859	1,120	2,765	**-986**	709	385	883	1,466	2,121	321	1,408	1,361
Long Term												
Full Simulation Period[a]	866	759	1,044	442	803	945	383	1,008	1,561	**-579**	1,571	1,638
Water Year Types[b]												
Wet (31%)	1,925	966	3,764	1,841	1,931	2,647	1,446	877	1,469	**-551**	1,498	2,218
Above Normal (25%)	**-132**	954	**-843**	5,465	3,330	1,980	**-444**	203	1,039	**-861**	1,722	1,904
Below Normal (6%)	706	1,695	**-29**	**-641**	1,228	**-329**	95	679	991	741	1,263	1,819
Dry (13%)	582	**-373**	**-537**	**-809**	**-877**	**-38**	238	1,374	1,635	**-1,661**	1,245	1,246
Critical (25%)	678	1,235	1,101	**-1,469**	150	210	37	1,208	1,899	114	1,892	1,345

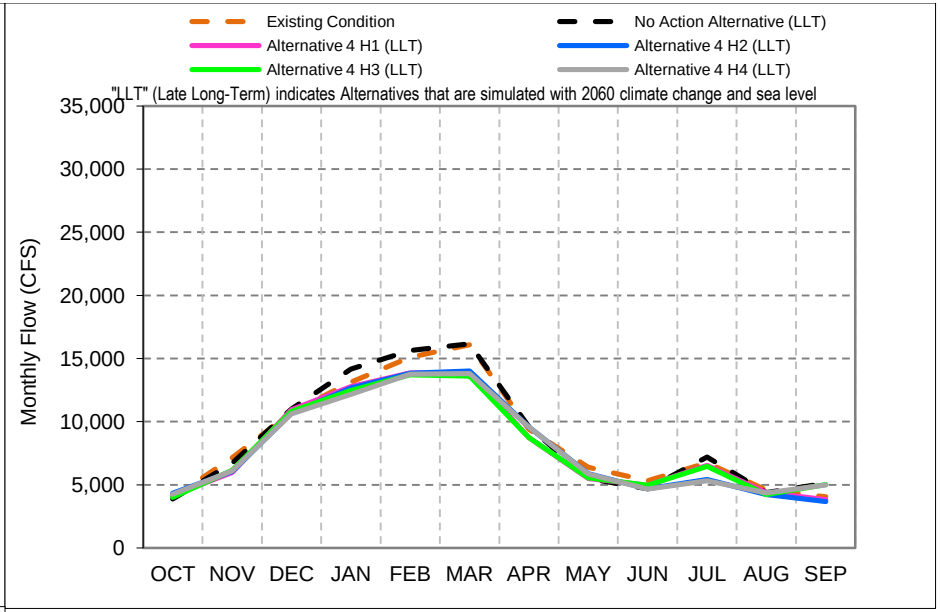
a Based on the 16-year simulation period

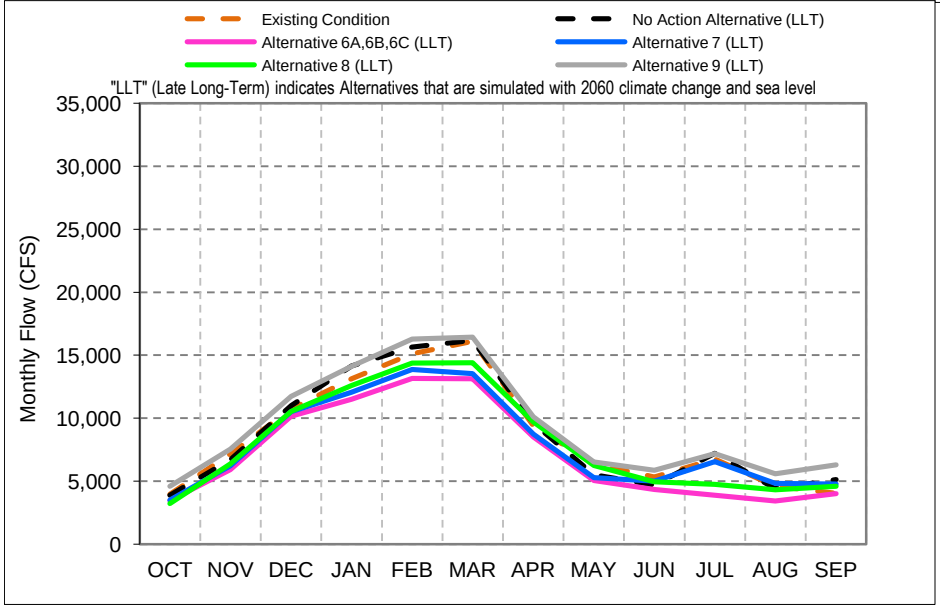
b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

C.25. Sutter and Steamboat Slough Flows



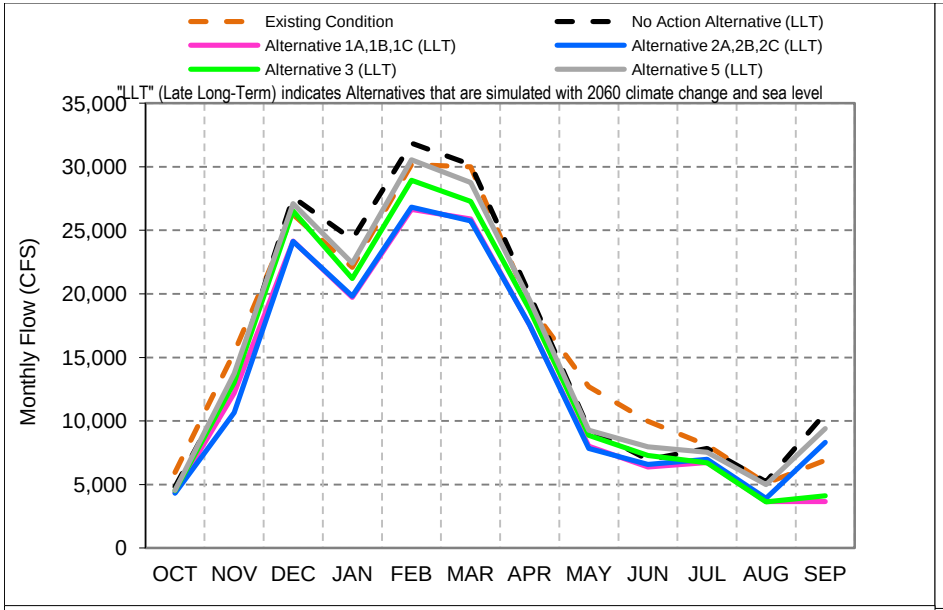


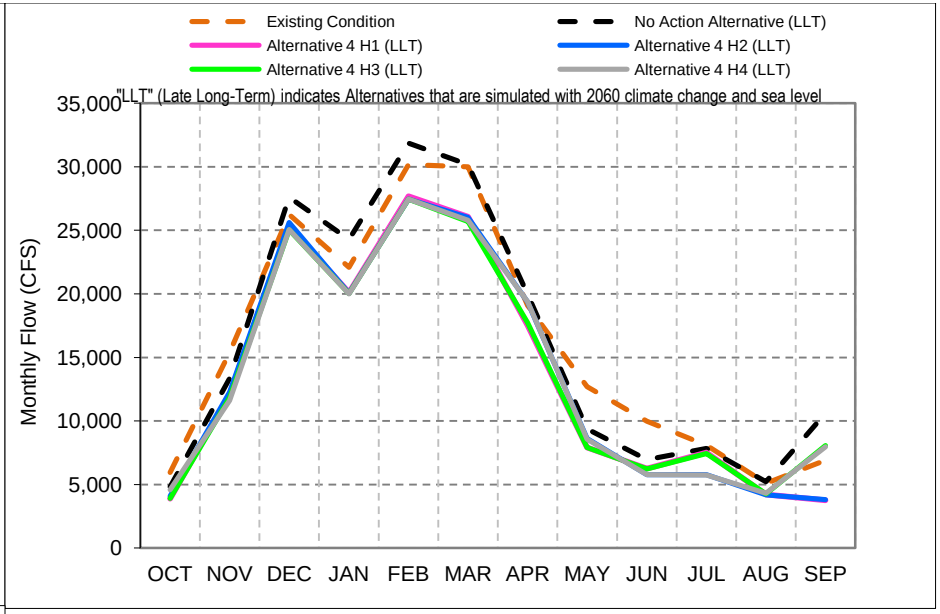


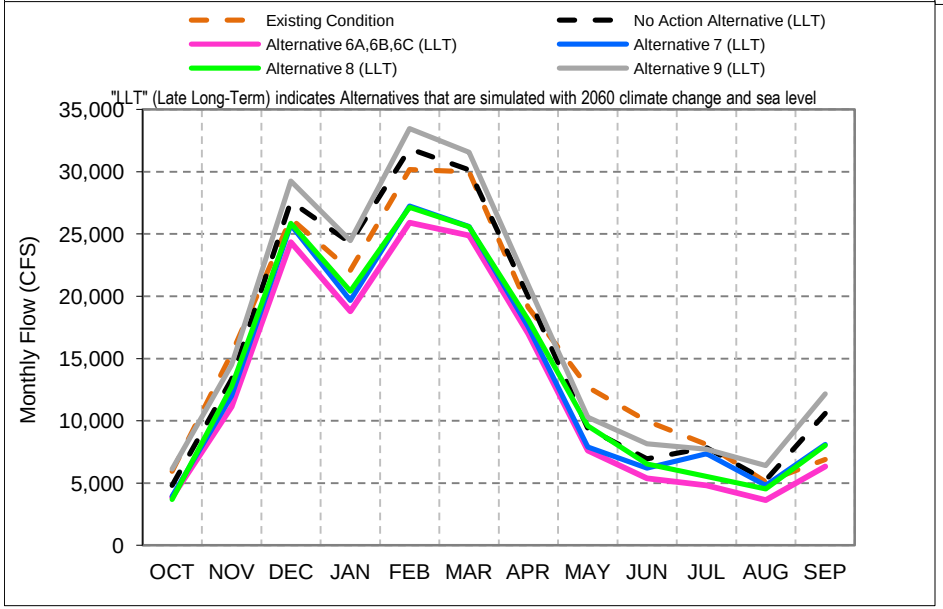
Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-25-1. Sutter and Steamboat Slough, Long-Term Average Flow





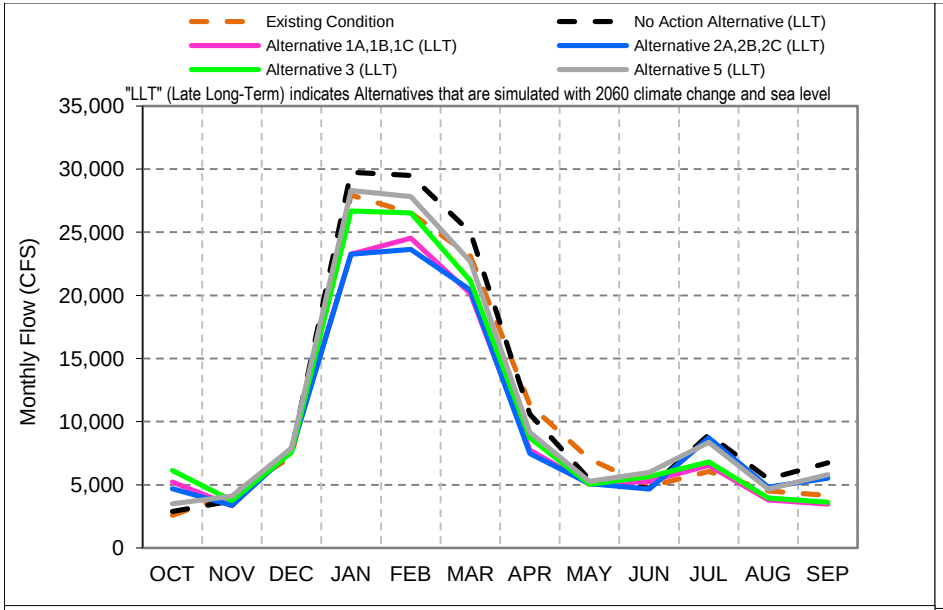


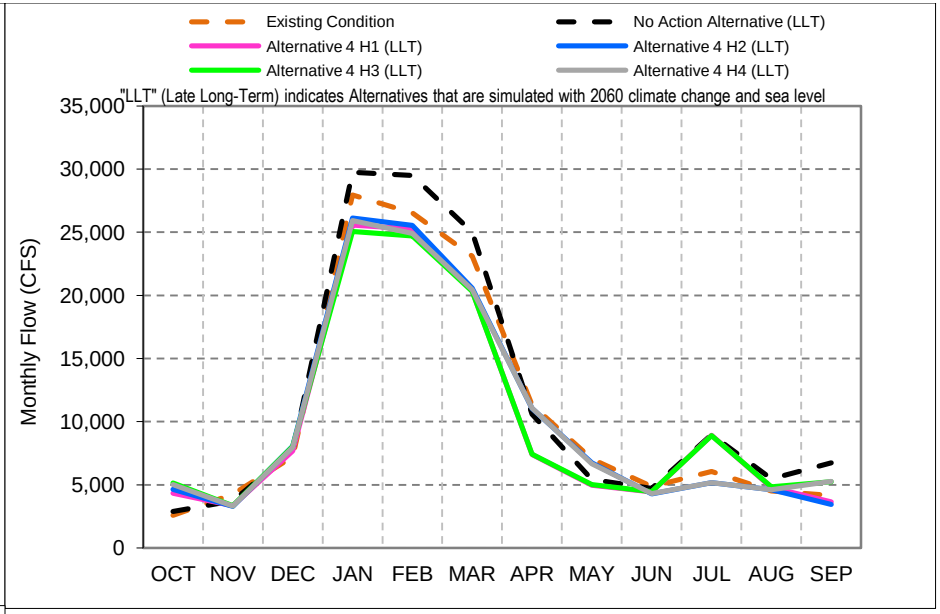
Alternative 4 Scenario Definitions:

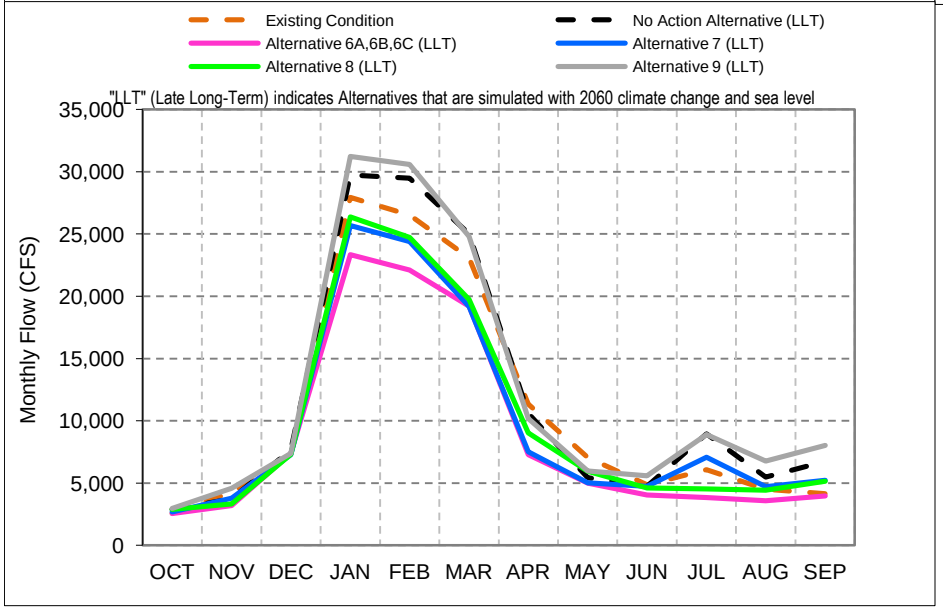
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-25-2. Sutter and Steamboat Slough, Wet Year* Average Flow





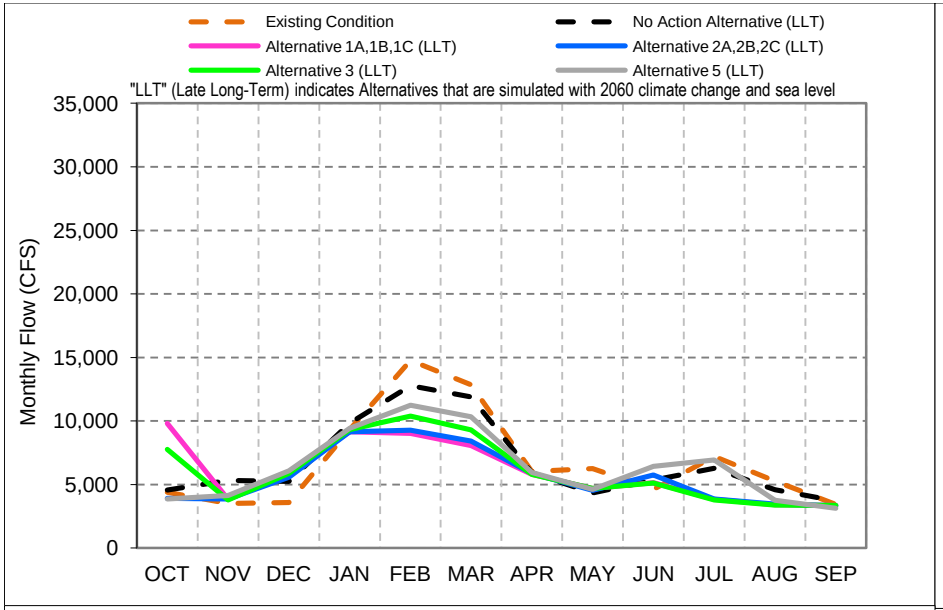


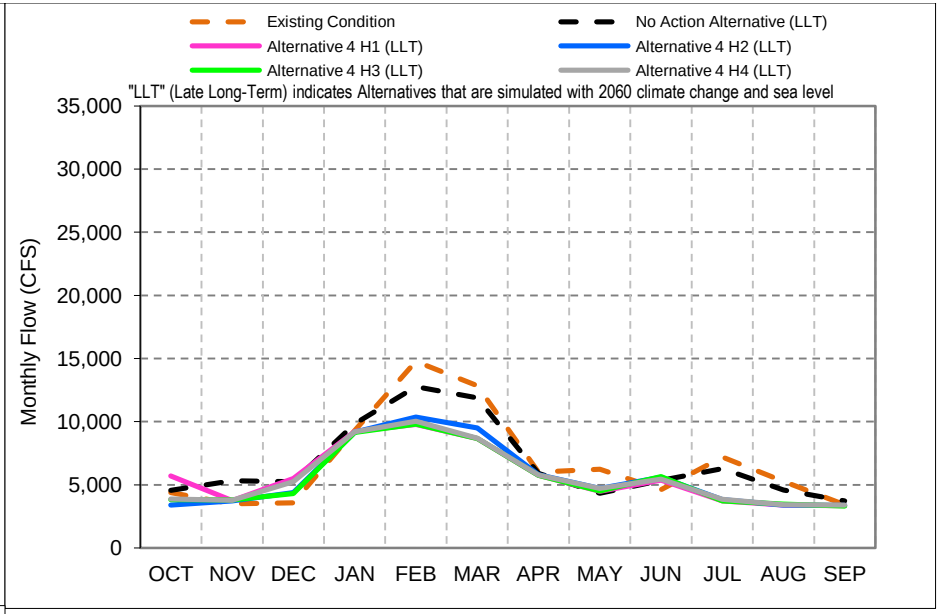
Alternative 4 Scenario Definitions:

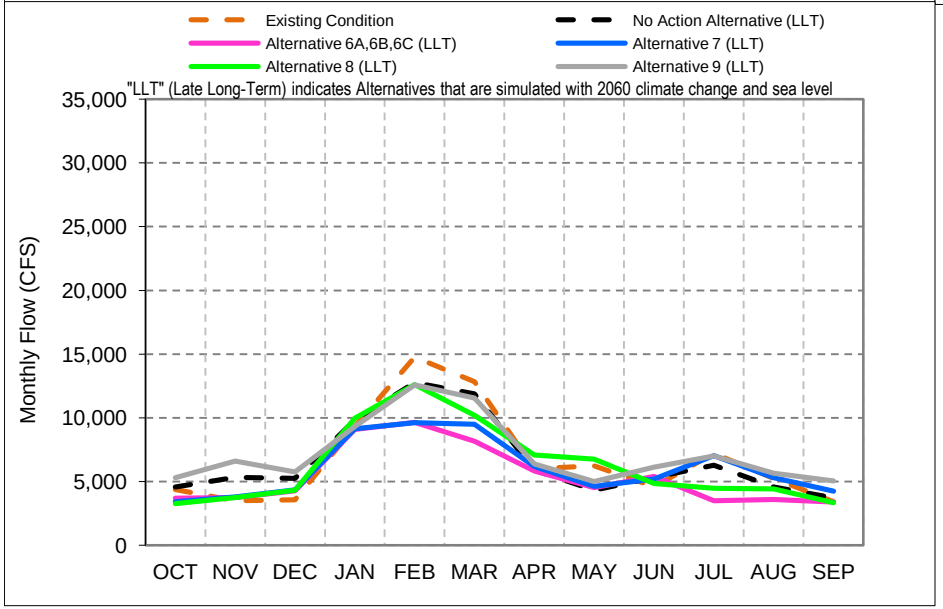
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-25-3. Sutter and Steamboat Slough, Above Normal Year* Average





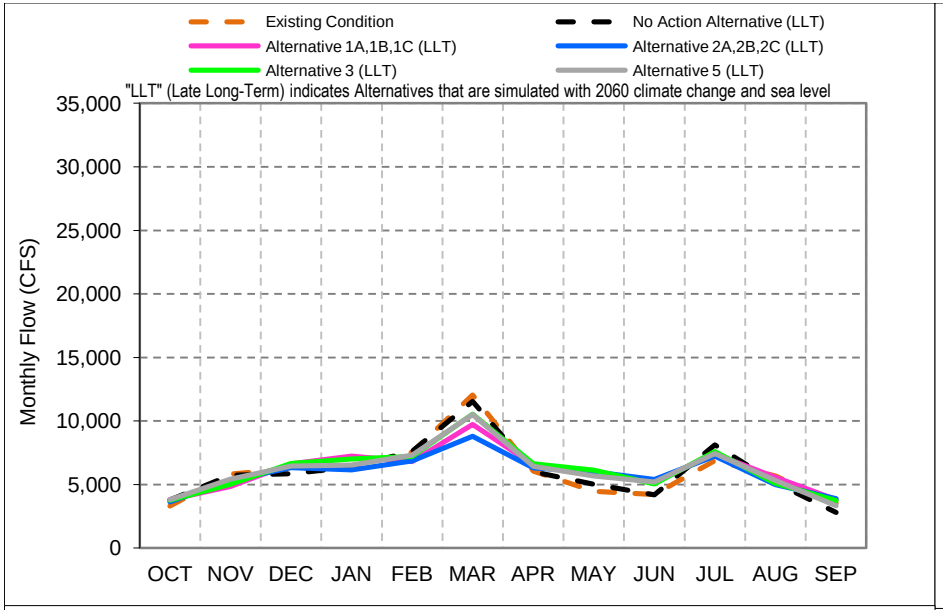


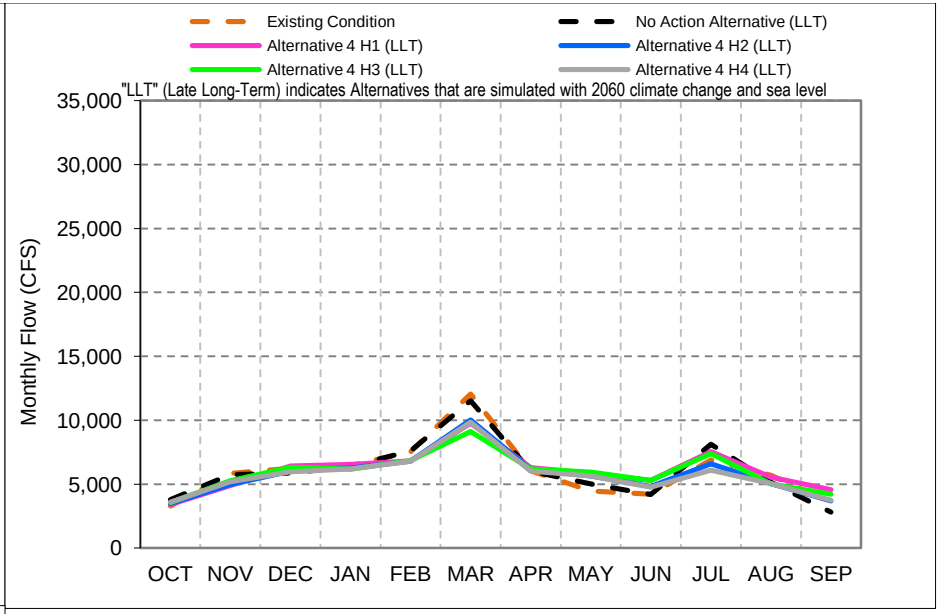
Alternative 4 Scenario Definitions:

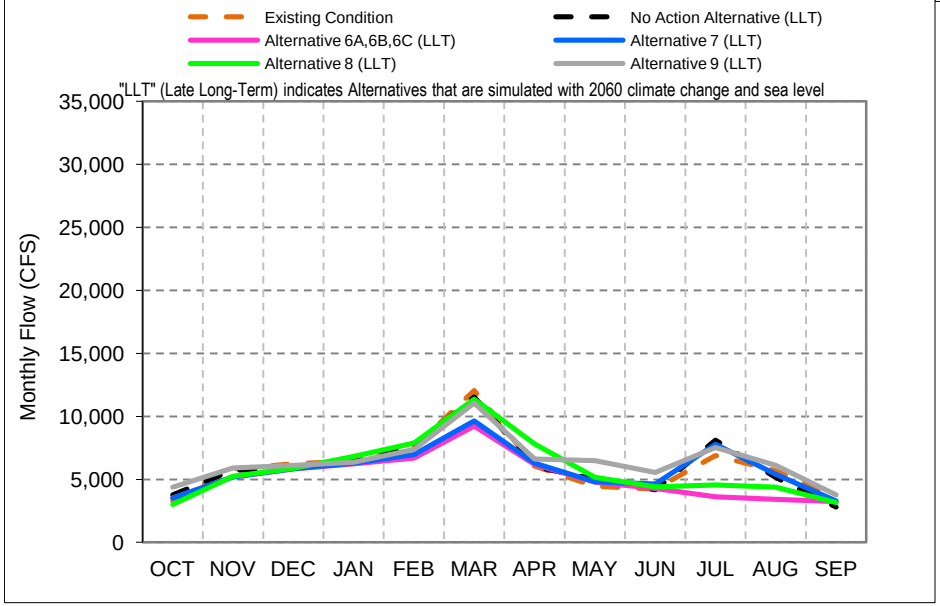
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-25-4. Sutter and Steamboat Slough, Below Normal Year* Average





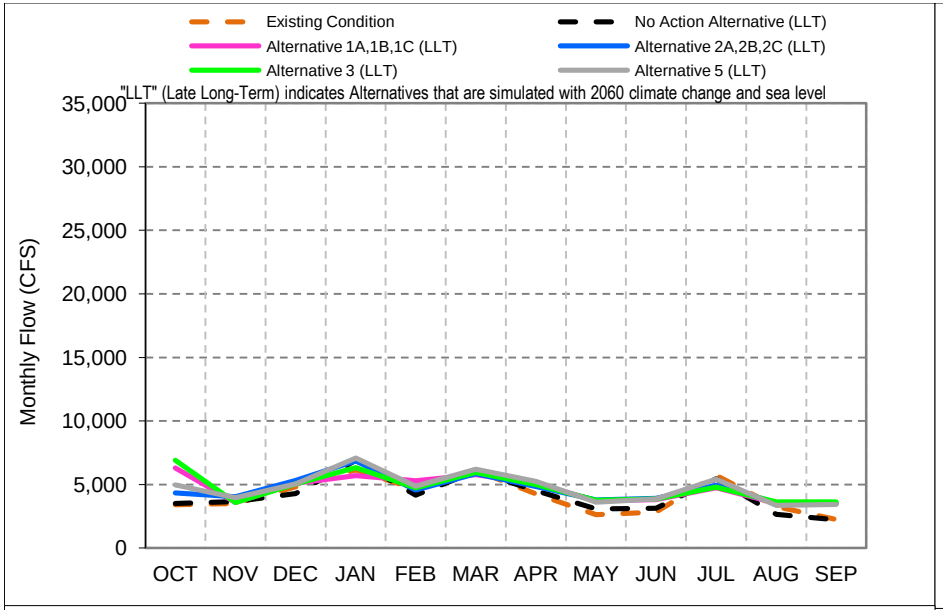


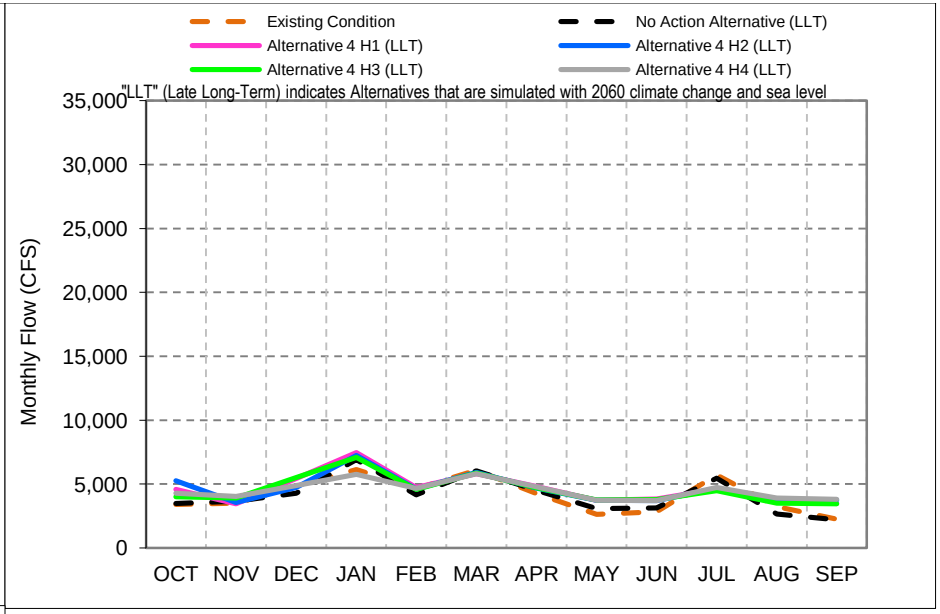
Alternative 4 Scenario Definitions:

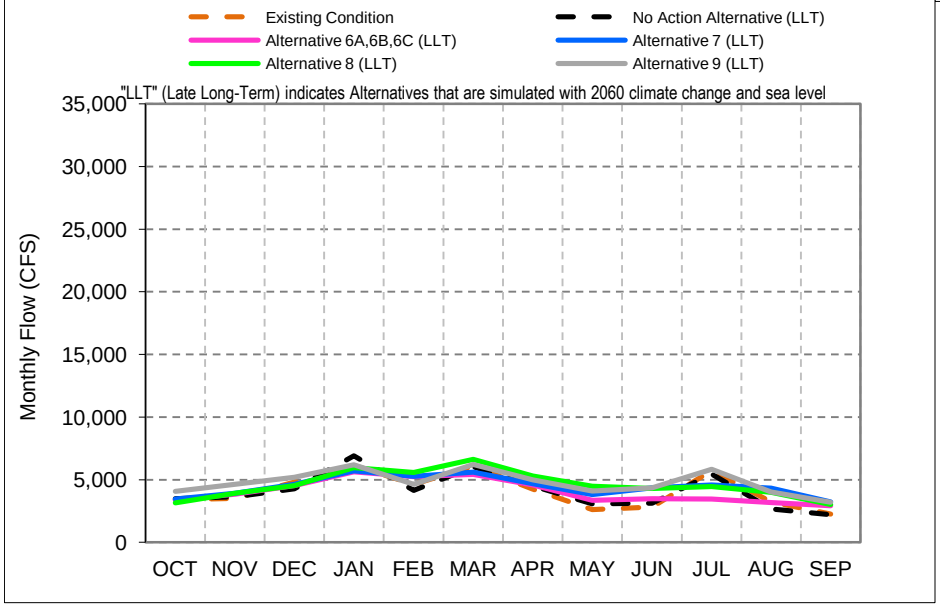
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-25-5. Sutter and Steamboat Slough, Dry Year* Average Flow







Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Figure C-25-6. Sutter and Steamboat Slough, Critical Year* Average Flow

Table C-25-1. Sutter and Steamboat Slough, Monthly Flow

Existing Condition

Statistic	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	7,316	16,211	30,278	27,972	34,467	32,221	21,322	11,503	6,749	7,955	6,214	6,064
20%	4,375	13,021	10,134	22,825	31,987	25,460	9,694	6,247	4,615	7,212	5,672	4,336
30%	3,839	5,857	7,896	17,005	17,872	20,608	7,920	5,725	4,312	7,064	5,295	4,222
40%	3,432	3,968	7,015	9,630	14,771	15,312	6,018	5,282	4,257	6,846	5,217	3,846
50%	3,269	3,727	6,220	9,430	10,305	12,649	5,787	4,568	4,130	6,845	4,500	3,392
60%	3,117	3,499	5,672	7,901	6,226	11,704	5,150	4,207	3,818	6,704	4,127	3,300
70%	2,739	3,378	4,776	5,692	5,554	8,334	4,814	3,512	3,709	6,408	3,895	2,903
80%	2,484	3,151	3,962	5,228	5,422	6,058	4,570	2,944	2,762	5,446	3,648	2,173
90%	2,113	2,517	3,579	4,196	3,345	4,168	3,801	2,449	2,651	4,975	2,892	2,140
Long Term												
Full Simulation Period[a]	3,970	7,156	10,749	13,133	15,109	16,103	9,407	6,382	5,330	6,746	4,600	4,046
Water Year Types[b]												
Wet (31%)	5,950	15,389	26,240	22,079	30,162	29,992	19,094	12,707	9,971	8,097	5,103	6,907
Above Normal (25%)	2,589	4,259	7,233	27,951	26,532	23,098	11,330	7,047	4,864	6,070	4,503	4,154
Below Normal (6%)	4,375	3,496	3,582	9,313	14,771	12,839	6,018	6,247	4,615	7,212	5,264	3,423
Dry (13%)	3,295	5,834	6,231	6,471	7,523	12,038	6,044	4,454	4,221	6,891	5,678	3,525
Critical (25%)	3,398	3,517	4,809	6,142	4,633	6,097	4,255	2,624	2,833	5,725	3,243	2,256

No Action Alternative (LLT)

Statistic	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	5,017	12,304	31,638	30,994	35,732	33,080	22,071	8,900	5,667	9,754	5,817	10,800
20%	4,568	9,343	8,517	26,981	34,045	28,088	10,393	6,159	5,342	9,255	5,617	9,020
30%	4,177	6,726	8,106	18,353	20,476	21,847	7,564	5,323	4,601	8,835	5,438	6,743
40%	3,957	5,327	6,829	10,107	12,770	15,009	5,911	4,709	4,345	8,156	5,192	3,717
50%	3,827	4,794	6,601	9,489	10,091	12,418	5,379	4,339	4,146	7,523	4,679	3,036
60%	3,743	3,471	5,569	7,997	6,879	10,291	5,288	3,746	3,899	6,680	4,525	2,759
70%	3,524	3,136	5,111	6,764	5,090	7,295	4,839	3,592	3,770	6,407	3,075	2,399
80%	2,889	2,735	3,749	5,617	4,376	5,387	4,637	3,200	3,371	5,083	2,731	2,301
90%	2,443	2,535	2,789	4,841	3,371	4,186	4,025	2,530	2,902	4,220	2,672	2,194
Long Term												
Full Simulation Period[a]	3,890	6,712	10,990	14,157	15,647	16,179	9,595	5,510	4,687	7,207	4,393	5,121
Water Year Types[b]												
Wet (31%)	4,827	13,357	27,600	24,283	31,855	30,161	19,964	9,382	6,960	7,839	5,229	10,606
Above Normal (25%)	2,888	3,730	7,666	29,745	29,486	25,004	10,587	5,434	4,727	8,962	5,474	6,743
Below Normal (6%)	4,568	5,327	5,252	9,838	12,770	11,892	5,911	4,326	5,342	6,283	4,589	3,717
Dry (13%)	3,778	5,728	5,855	6,382	7,603	11,533	6,008	5,016	4,180	8,118	5,133	2,801
Critical (25%)	3,497	3,651	4,287	6,905	4,154	6,037	4,511	3,076	3,127	5,455	2,661	2,219

No Action Alternative (LLT) minus Existing Condition

Statistic	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	**-2,299**	**-3,907**	1,361	3,023	1,266	859	748	**-2,603**	**-1,082**	1,799	**-398**	4,736
20%	193	**-3,679**	**-1,617**	4,156	2,058	2,628	699	**-88**	727	2,043	**-55**	4,685
30%	337	869	209	1,348	2,603	1,240	**-356**	**-403**	289	1,770	144	2,521
40%	525	1,359	**-186**	477	**-2,001**	**-303**	**-107**	**-573**	88	1,310	**-25**	**-129**
50%	558	1,067	381	59	**-214**	**-231**	**-407**	**-230**	17	678	179	**-356**
60%	626	**-28**	**-103**	96	653	**-1,412**	137	**-461**	81	**-24**	399	**-542**
70%	785	**-241**	335	1,072	**-464**	**-1,039**	25	80	61	**-1**	**-819**	**-504**
80%	405	**-415**	**-213**	389	**-1,046**	**-671**	67	256	609	**-363**	**-917**	128
90%	330	18	**-790**	645	27	18	224	81	251	**-756**	**-220**	54
Long Term												
Full Simulation Period[a]	**-80**	**-444**	242	1,025	538	76	189	**-872**	**-642**	461	**-207**	1,074
Water Year Types[b]												
Wet (31%)	**-1,124**	**-2,032**	1,360	2,205	1,693	169	870	**-3,325**	**-3,011**	**-259**	126	3,699
Above Normal (25%)	299	**-529**	433	1,794	2,954	1,906	**-743**	**-1,613**	**-138**	2,893	971	2,590
Below Normal (6%)	193	1,831	1,669	524	**-2,001**	**-946**	**-107**	**-1,922**	727	**-929**	**-675**	294
Dry (13%)	483	**-106**	**-375**	**-88**	80	**-506**	**-36**	561	**-40**	1,227	**-545**	**-723**
Critical (25%)	99	135	**-522**	763	**-479**	**-61**	255	452	295	**-271**	**-581**	**-37**

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table C-25-2. Sutter and Steamboat Slough, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	7,316	16,211	30,278	27,972	34,467	32,221	21,322	11,503	6,749	7,955	6,214	6,064
20%	4,375	13,021	10,134	22,825	31,987	25,460	9,694	6,247	4,615	7,212	5,672	4,336
30%	3,839	5,857	7,896	17,005	17,872	20,608	7,920	5,725	4,312	7,064	5,295	4,222
40%	3,432	3,968	7,015	9,630	14,771	15,312	6,018	5,282	4,257	6,846	5,217	3,846
50%	3,269	3,727	6,220	9,430	10,305	12,649	5,787	4,568	4,130	6,845	4,500	3,392
60%	3,117	3,499	5,672	7,901	6,226	11,704	5,150	4,207	3,818	6,704	4,127	3,300
70%	2,739	3,378	4,776	5,692	5,554	8,334	4,814	3,512	3,709	6,408	3,895	2,903
80%	2,484	3,151	3,962	5,228	5,422	6,058	4,570	2,944	2,762	5,446	3,648	2,173
90%	2,113	2,517	3,579	4,196	3,345	4,168	3,801	2,449	2,651	4,975	2,892	2,140
Long Term												
Full Simulation Period[a]	3,970	7,156	10,749	13,133	15,109	16,103	9,407	6,382	5,330	6,746	4,600	4,046
Water Year Types[b]												
Wet (31%)	5,950	15,389	26,240	22,079	30,162	29,992	19,094	12,707	9,971	8,097	5,103	6,907
Above Normal (25%)	2,589	4,259	7,233	27,951	26,532	23,098	11,330	7,047	4,864	6,070	4,503	4,154
Below Normal (6%)	4,375	3,496	3,582	9,313	14,771	12,839	6,018	6,247	4,615	7,212	5,264	3,423
Dry (13%)	3,295	5,834	6,231	6,471	7,523	12,038	6,044	4,454	4,221	6,891	5,678	3,525
Critical (25%)	3,398	3,517	4,809	6,142	4,633	6,097	4,255	2,624	2,833	5,725	3,243	2,256

Alternative 1A,1B,1C (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,054	9,059	26,414	25,130	31,021	28,641	17,424	7,088	6,275	8,374	4,961	4,362
20%	7,509	8,913	8,862	19,850	28,136	22,566	8,672	6,056	6,135	7,885	4,478	4,095
30%	5,685	6,212	7,990	15,033	13,822	17,287	6,906	5,610	5,490	7,069	4,056	3,695
40%	5,134	3,845	7,595	9,153	9,019	9,642	6,392	5,368	5,230	5,619	3,904	3,542
50%	3,951	3,721	6,953	8,387	8,346	8,544	5,802	4,803	4,889	5,511	3,625	3,408
60%	3,738	3,693	6,363	7,723	6,671	8,052	5,770	4,679	4,628	5,138	3,523	3,385
70%	3,577	3,628	6,079	6,448	5,877	6,951	5,511	4,597	4,350	4,760	3,451	3,308
80%	3,130	3,610	4,732	5,739	5,242	6,055	5,216	3,930	3,805	4,068	3,376	3,167
90%	2,981	3,269	3,888	4,593	4,716	4,721	4,980	3,058	3,625	3,897	3,307	3,108
Long Term												
Full Simulation Period[a]	5,281	6,032	10,636	11,996	13,644	13,732	8,939	5,535	5,062	6,078	4,101	3,611
Water Year Types[b]												
Wet (31%)	4,363	12,187	24,156	19,728	26,642	25,889	17,545	8,002	6,377	6,739	3,665	3,668
Above Normal (25%)	5,233	3,346	7,845	23,266	24,534	20,142	7,762	5,038	5,265	6,545	3,817	3,477
Below Normal (6%)	9,803	3,845	5,906	9,153	9,019	8,052	5,800	4,679	5,135	3,831	3,398	3,343
Dry (13%)	3,814	4,829	6,624	7,221	6,804	9,736	6,542	5,776	5,210	7,409	5,571	3,804
Critical (25%)	6,304	3,583	5,092	5,690	5,286	5,774	5,071	3,740	3,797	4,747	3,526	3,518

Alternative 1A,1B,1C (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,737	**-7,152**	**-3,864**	**-2,842**	**-3,446**	**-3,580**	**-3,898**	**-4,415**	**-474**	419	**-1,254**	**-1,702**
20%	3,134	**-4,108**	**-1,272**	**-2,975**	**-3,850**	**-2,894**	**-1,022**	**-191**	1,520	673	**-1,194**	**-241**
30%	1,845	355	94	**-1,971**	**-4,050**	**-3,321**	**-1,015**	**-115**	1,178	4	**-1,238**	**-527**
40%	1,702	**-123**	580	**-476**	**-5,752**	**-5,670**	374	86	974	**-1,226**	**-1,314**	**-304**
50%	681	**-5**	733	**-1,043**	**-1,959**	**-4,105**	15	235	759	**-1,334**	**-875**	17
60%	621	194	691	**-178**	445	**-3,652**	619	471	810	**-1,567**	**-604**	85
70%	838	250	1,303	756	323	**-1,384**	697	1,084	642	**-1,647**	**-443**	405
80%	646	459	770	511	**-180**	**-3**	646	986	1,042	**-1,378**	**-272**	994
90%	868	752	310	396	1,372	553	1,178	609	975	**-1,078**	415	969
Long Term												
Full Simulation Period[a]	1,311	**-1,123**	**-113**	**-1,137**	**-1,465**	**-2,371**	**-467**	**-846**	**-268**	**-668**	**-500**	**-435**
Water Year Types[b]												
Wet (31%)	**-1,588**	**-3,202**	**-2,084**	**-2,351**	**-3,521**	**-4,103**	**-1,549**	**-4,706**	**-3,595**	**-1,359**	**-1,438**	**-3,239**
Above Normal (25%)	2,644	**-913**	612	**-4,686**	**-1,999**	**-2,956**	**-3,569**	**-2,009**	401	475	**-686**	**-676**
Below Normal (6%)	5,428	349	2,324	**-160**	**-5,752**	**-4,786**	**-218**	**-1,569**	520	**-3,380**	**-1,867**	**-80**
Dry (13%)	519	**-1,005**	393	750	**-719**	**-2,302**	498	1,322	989	518	**-107**	279
Critical (25%)	2,907	67	283	**-452**	653	**-323**	816	1,116	964	**-978**	284	1,261

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-25-3. Sutter and Steamboat Slough, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	7,316	16,211	30,278	27,972	34,467	32,221	21,322	11,503	6,749	7,955	6,214	6,064
20%	4,375	13,021	10,134	22,825	31,987	25,460	9,694	6,247	4,615	7,212	5,672	4,336
30%	3,839	5,857	7,896	17,005	17,872	20,608	7,920	5,725	4,312	7,064	5,295	4,222
40%	3,432	3,968	7,015	9,630	14,771	15,312	6,018	5,282	4,257	6,846	5,217	3,846
50%	3,269	3,727	6,220	9,430	10,305	12,649	5,787	4,568	4,130	6,845	4,500	3,392
60%	3,117	3,499	5,672	7,901	6,226	11,704	5,150	4,207	3,818	6,704	4,127	3,300
70%	2,739	3,378	4,776	5,692	5,554	8,334	4,814	3,512	3,709	6,408	3,895	2,903
80%	2,484	3,151	3,962	5,228	5,422	6,058	4,570	2,944	2,762	5,446	3,648	2,173
90%	2,113	2,517	3,579	4,196	3,345	4,168	3,801	2,449	2,651	4,975	2,892	2,140
Long Term												
Full Simulation Period[a]	3,970	7,156	10,749	13,133	15,109	16,103	9,407	6,382	5,330	6,746	4,600	4,046
Water Year Types[b]												
Wet (31%)	5,950	15,389	26,240	22,079	30,162	29,992	19,094	12,707	9,971	8,097	5,103	6,907
Above Normal (25%)	2,589	4,259	7,233	27,951	26,532	23,098	11,330	7,047	4,864	6,070	4,503	4,154
Below Normal (6%)	4,375	3,496	3,582	9,313	14,771	12,839	6,018	6,247	4,615	7,212	5,264	3,423
Dry (13%)	3,295	5,834	6,231	6,471	7,523	12,038	6,044	4,454	4,221	6,891	5,678	3,525
Critical (25%)	3,398	3,517	4,809	6,142	4,633	6,097	4,255	2,624	2,833	5,725	3,243	2,256

Alternative 2A,2B,2C (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	5,363	9,006	26,155	25,335	30,501	28,591	17,915	7,437	6,377	8,960	5,463	8,390
20%	5,042	8,930	8,217	20,530	28,723	22,981	9,001	6,341	6,123	7,593	4,791	7,268
30%	4,487	5,481	7,988	14,674	13,966	16,088	6,174	5,644	5,628	7,435	4,287	5,520
40%	4,130	3,880	7,181	8,959	9,267	9,887	5,864	5,301	5,303	7,258	4,153	5,138
50%	4,119	3,791	6,735	8,024	8,454	8,846	5,599	5,022	4,954	6,424	3,715	4,320
60%	3,906	3,690	6,019	7,533	6,618	8,353	5,248	4,533	4,565	5,700	3,656	3,438
70%	3,832	3,684	5,738	6,761	5,521	6,472	5,101	4,050	4,247	4,701	3,598	3,320
80%	3,423	3,651	5,566	5,779	5,071	5,626	5,006	3,842	3,824	4,228	3,467	3,151
90%	2,618	3,331	4,408	5,157	3,703	4,851	4,792	3,065	3,745	3,945	3,319	3,113
Long Term												
Full Simulation Period[a]	4,170	5,920	10,579	12,114	13,383	13,537	8,777	5,564	5,154	6,431	4,161	5,034
Water Year Types[b]												
Wet (31%)	4,309	10,669	24,124	19,820	26,835	25,731	17,562	7,838	6,578	6,973	3,918	8,311
Above Normal (25%)	4,690	3,378	7,682	23,259	23,629	20,434	7,478	5,104	4,671	8,716	4,826	5,520
Below Normal (6%)	3,906	3,848	5,566	9,144	9,267	8,420	5,864	4,533	5,741	3,862	3,467	3,327
Dry (13%)	3,629	5,323	6,315	6,149	6,856	8,783	6,298	6,005	5,396	7,241	5,000	3,894
Critical (25%)	4,336	4,030	5,316	6,858	4,568	5,850	4,834	3,784	3,896	4,948	3,557	3,471

Alternative 2A,2B,2C (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-1,953	-7,205	-4,123	-2,636	-3,966	-3,630	-3,407	-4,066	-372	1,005	-752	2,326
20%	667	-4,091	-1,917	-2,295	-3,264	-2,479	-693	94	1,508	381	-881	2,932
30%	647	-376	92	-2,331	-3,906	-4,519	-1,746	-82	1,316	371	-1,007	1,298
40%	698	-88	166	-670	-5,504	-5,425	-155	19	1,047	412	-1,064	1,292
50%	850	64	516	-1,406	-1,851	-3,803	-188	454	824	-422	-785	929
60%	789	191	346	-368	391	-3,351	98	325	747	-1,004	-470	138
70%	1,093	306	963	1,069	-33	-1,862	287	538	538	-1,707	-297	417
80%	939	501	1,604	551	-351	-432	436	898	1,062	-1,218	-182	978
90%	505	814	829	961	358	683	991	616	1,094	-1,030	427	973
Long Term												
Full Simulation Period[a]	200	-1,236	-170	-1,018	-1,726	-2,566	-630	-817	-176	-315	-439	988
Water Year Types[b]												
Wet (31%)	-1,642	-4,720	-2,116	-2,258	-3,327	-4,261	-1,531	-4,870	-3,393	-1,125	-1,185	1,404
Above Normal (25%)	2,101	-881	448	-4,692	-2,904	-2,664	-3,852	-1,944	-194	2,646	323	1,367
Below Normal (6%)	-469	351	1,983	-170	-5,504	-4,418	-155	-1,715	1,126	-3,350	-1,798	-97
Dry (13%)	334	-511	84	-321	-667	-3,256	253	1,550	1,175	350	-678	369
Critical (25%)	938	514	507	716	-65	-247	579	1,160	1,063	-777	314	1,214

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-25-4. Sutter and Steamboat Slough, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	7,316	16,211	30,278	27,972	34,467	32,221	21,322	11,503	6,749	7,955	6,214	6,064
20%	4,375	13,021	10,134	22,825	31,987	25,460	9,694	6,247	4,615	7,212	5,672	4,336
30%	3,839	5,857	7,896	17,005	17,872	20,608	7,920	5,725	4,312	7,064	5,295	4,222
40%	3,432	3,968	7,015	9,630	14,771	15,312	6,018	5,282	4,257	6,846	5,217	3,846
50%	3,269	3,727	6,220	9,430	10,305	12,649	5,787	4,568	4,130	6,845	4,500	3,392
60%	3,117	3,499	5,672	7,901	6,226	11,704	5,150	4,207	3,818	6,704	4,127	3,300
70%	2,739	3,378	4,776	5,692	5,554	8,334	4,814	3,512	3,709	6,408	3,895	2,903
80%	2,484	3,151	3,962	5,228	5,422	6,058	4,570	2,944	2,762	5,446	3,648	2,173
90%	2,113	2,517	3,579	4,196	3,345	4,168	3,801	2,449	2,651	4,975	2,892	2,140
Long Term												
Full Simulation Period[a]	3,970	7,156	10,749	13,133	15,109	16,103	9,407	6,382	5,330	6,746	4,600	4,046
Water Year Types[b]												
Wet (31%)	5,950	15,389	26,240	22,079	30,162	29,992	19,094	12,707	9,971	8,097	5,103	6,907
Above Normal (25%)	2,589	4,259	7,233	27,951	26,532	23,098	11,330	7,047	4,864	6,070	4,503	4,154
Below Normal (6%)	4,375	3,496	3,582	9,313	14,771	12,839	6,018	6,247	4,615	7,212	5,264	3,423
Dry (13%)	3,295	5,834	6,231	6,471	7,523	12,038	6,044	4,454	4,221	6,891	5,678	3,525
Critical (25%)	3,398	3,517	4,809	6,142	4,633	6,097	4,255	2,624	2,833	5,725	3,243	2,256

Alternative 3 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,068	11,790	30,215	27,480	33,280	30,619	19,041	8,804	7,594	8,706	5,146	4,413
20%	7,767	8,849	9,016	24,023	31,088	24,612	9,351	6,141	6,135	8,195	4,430	4,288
30%	6,202	4,327	8,196	15,634	16,680	18,352	7,094	5,605	5,236	6,958	4,271	3,977
40%	5,173	3,890	7,023	9,311	10,384	10,537	6,224	5,300	5,124	6,265	3,812	3,799
50%	4,432	3,781	6,961	8,867	8,732	9,883	5,758	4,826	4,858	5,331	3,616	3,456
60%	3,865	3,719	6,358	7,557	6,767	8,520	5,660	4,701	4,600	4,904	3,509	3,382
70%	3,753	3,702	6,005	5,994	5,850	7,302	5,430	4,636	4,242	4,810	3,453	3,307
80%	3,131	3,655	4,483	5,868	5,079	6,159	5,214	3,928	4,057	4,531	3,382	3,232
90%	2,975	3,562	3,934	5,421	4,147	4,728	4,964	3,064	3,611	3,876	3,295	3,129
Long Term												
Full Simulation Period[a]	5,476	6,334	11,193	12,945	14,480	14,533	9,363	5,850	5,319	6,162	4,022	3,754
Water Year Types[b]												
Wet (31%)	4,503	13,030	26,529	21,211	28,946	27,268	18,757	8,876	7,293	6,715	3,629	4,107
Above Normal (25%)	6,137	3,742	7,587	26,687	26,527	21,164	8,732	5,044	5,661	6,830	3,946	3,620
Below Normal (6%)	7,767	3,773	5,868	9,311	10,384	9,293	5,787	4,701	5,124	3,776	3,372	3,342
Dry (13%)	3,757	5,010	6,666	6,996	7,202	10,528	6,640	6,126	5,045	7,581	5,098	3,722
Critical (25%)	6,907	3,585	5,052	6,320	4,729	5,946	4,995	3,760	3,863	4,795	3,635	3,635

Alternative 3 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,752	**-4,421**	**-63**	**-491**	**-1,187**	**-1,603**	**-2,281**	**-2,700**	845	751	**-1,068**	**-1,651**
20%	3,393	**-4,172**	**-1,118**	1,198	**-899**	**-848**	**-343**	**-107**	1,520	983	**-1,242**	**-48**
30%	2,362	**-1,531**	299	**-1,371**	**-1,193**	**-2,256**	**-826**	**-120**	924	**-107**	**-1,023**	**-246**
40%	1,741	**-78**	8	**-319**	**-4,386**	**-4,776**	206	18	867	**-581**	**-1,406**	**-47**
50%	1,163	54	741	**-563**	**-1,573**	**-2,766**	**-28**	258	728	**-1,514**	**-884**	64
60%	748	220	686	**-344**	541	**-3,183**	510	493	782	**-1,800**	**-618**	82
70%	1,014	324	1,230	302	295	**-1,032**	616	1,124	533	**-1,598**	**-441**	404
80%	647	505	521	641	**-343**	101	645	984	1,294	**-915**	**-266**	1,059
90%	862	1,046	355	1,225	802	560	1,162	615	960	**-1,099**	403	989
Long Term												
Full Simulation Period[a]	1,506	**-822**	444	**-188**	**-629**	**-1,569**	**-44**	**-532**	**-10**	**-584**	**-579**	**-292**
Water Year Types[b]												
Wet (31%)	**-1,448**	**-2,359**	289	**-868**	**-1,216**	**-2,724**	**-337**	**-3,831**	**-2,679**	**-1,382**	**-1,473**	**-2,800**
Above Normal (25%)	3,548	**-517**	354	**-1,265**	**-5**	**-1,934**	**-2,599**	**-2,003**	796	760	**-557**	**-534**
Below Normal (6%)	3,393	277	2,286	**-2**	**-4,386**	**-3,545**	**-231**	**-1,547**	509	**-3,436**	**-1,893**	**-81**
Dry (13%)	462	**-824**	436	526	**-321**	**-1,511**	596	1,671	824	690	**-581**	197
Critical (25%)	3,509	68	243	178	96	**-152**	739	1,136	1,031	**-931**	392	1,378

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-25-5. Sutter and Steamboat Slough, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	7,316	16,211	30,278	27,972	34,467	32,221	21,322	11,503	6,749	7,955	6,214	6,064
20%	4,375	13,021	10,134	22,825	31,987	25,460	9,694	6,247	4,615	7,212	5,672	4,336
30%	3,839	5,857	7,896	17,005	17,872	20,608	7,920	5,725	4,312	7,064	5,295	4,222
40%	3,432	3,968	7,015	9,630	14,771	15,312	6,018	5,282	4,257	6,846	5,217	3,846
50%	3,269	3,727	6,220	9,430	10,305	12,649	5,787	4,568	4,130	6,845	4,500	3,392
60%	3,117	3,499	5,672	7,901	6,226	11,704	5,150	4,207	3,818	6,704	4,127	3,300
70%	2,739	3,378	4,776	5,692	5,554	8,334	4,814	3,512	3,709	6,408	3,895	2,903
80%	2,484	3,151	3,962	5,228	5,422	6,058	4,570	2,944	2,762	5,446	3,648	2,173
90%	2,113	2,517	3,579	4,196	3,345	4,168	3,801	2,449	2,651	4,975	2,892	2,140
Long Term												
Full Simulation Period[a]	3,970	7,156	10,749	13,133	15,109	16,103	9,407	6,382	5,330	6,746	4,600	4,046
Water Year Types[b]												
Wet (31%)	5,950	15,389	26,240	22,079	30,162	29,992	19,094	12,707	9,971	8,097	5,103	6,907
Above Normal (25%)	2,589	4,259	7,233	27,951	26,532	23,098	11,330	7,047	4,864	6,070	4,503	4,154
Below Normal (6%)	4,375	3,496	3,582	9,313	14,771	12,839	6,018	6,247	4,615	7,212	5,264	3,423
Dry (13%)	3,295	5,834	6,231	6,471	7,523	12,038	6,044	4,454	4,221	6,891	5,678	3,525
Critical (25%)	3,398	3,517	4,809	6,142	4,633	6,097	4,255	2,624	2,833	5,725	3,243	2,256

Alternative 4 H1 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	5,654	11,168	28,620	26,031	32,141	28,931	17,619	7,764	5,747	10,150	5,827	4,820
20%	5,102	8,565	8,968	22,463	29,478	23,039	9,062	6,343	5,578	7,987	5,046	4,517
30%	4,825	3,744	8,030	14,654	15,012	18,042	6,064	5,585	5,407	7,630	4,562	3,996
40%	4,446	3,686	7,352	9,220	9,780	10,058	5,750	5,206	5,386	7,434	4,116	3,558
50%	3,939	3,680	7,081	8,756	8,359	8,851	5,619	4,678	4,835	5,987	4,069	3,403
60%	3,725	3,648	6,330	8,416	6,670	8,308	5,302	4,499	4,704	5,032	3,651	3,382
70%	3,489	3,628	5,414	7,595	5,434	6,347	5,203	4,050	4,202	4,837	3,558	3,350
80%	3,187	3,613	5,211	7,291	5,074	5,598	4,969	3,827	3,783	4,194	3,401	3,257
90%	2,801	3,342	4,331	5,542	4,074	4,818	4,724	3,041	3,605	3,865	3,314	3,212
Long Term												
Full Simulation Period[a]	4,160	5,979	10,938	12,763	13,872	13,864	8,750	5,513	4,975	6,552	4,375	3,841
Water Year Types[b]												
Wet (31%)	3,892	12,085	25,337	20,101	27,671	26,066	17,532	7,913	6,241	7,516	4,219	3,763
Above Normal (25%)	4,343	3,348	7,677	25,569	25,250	20,336	7,406	4,973	4,445	8,923	4,799	3,662
Below Normal (6%)	5,702	3,743	5,494	9,220	9,780	8,661	5,768	4,499	5,386	3,719	3,401	3,352
Dry (13%)	3,418	4,894	6,412	6,544	6,816	9,781	6,300	5,845	5,292	7,549	5,529	4,558
Critical (25%)	4,587	3,464	5,431	7,455	4,745	5,822	4,818	3,748	3,839	4,602	3,602	3,497

Alternative 4 H1 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-1,663	-5,043	-1,658	-1,941	-2,325	-3,291	-3,703	-3,739	-1,002	2,195	-387	-1,245
20%	727	-4,456	-1,166	-362	-2,509	-2,421	-632	95	963	775	-626	181
30%	986	-2,113	133	-2,350	-2,860	-2,566	-1,856	-140	1,095	566	-733	-227
40%	1,014	-282	337	-409	-4,991	-5,254	-268	-75	1,129	588	-1,102	-288
50%	669	-47	861	-673	-1,946	-3,798	-167	110	706	-858	-432	12
60%	609	149	658	515	444	-3,396	151	291	886	-1,672	-476	82
70%	750	251	638	1,903	-121	-1,987	390	538	494	-1,571	-337	447
80%	703	462	1,249	2,063	-348	-460	399	883	1,021	-1,252	-248	1,085
90%	688	825	753	1,346	729	650	923	592	954	-1,111	422	1,072
Long Term												
Full Simulation Period[a]	190	-1,176	189	-369	-1,237	-2,238	-657	-868	-354	-193	-225	-206
Water Year Types[b]												
Wet (31%)	-2,058	-3,304	-903	-1,978	-2,492	-3,926	-1,562	-4,795	-3,730	-581	-884	-3,144
Above Normal (25%)	1,755	-911	444	-2,382	-1,282	-2,762	-3,924	-2,075	-420	2,853	296	-491
Below Normal (6%)	1,327	246	1,911	-93	-4,991	-4,177	-250	-1,749	771	-3,493	-1,864	-71
Dry (13%)	123	-941	181	74	-707	-2,258	255	1,391	1,071	658	-149	1,034
Critical (25%)	1,189	-53	622	1,313	112	-276	563	1,124	1,006	-1,123	359	1,241

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-25-6. Sutter and Steamboat Slough, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	7,316	16,211	30,278	27,972	34,467	32,221	21,322	11,503	6,749	7,955	6,214	6,064
20%	4,375	13,021	10,134	22,825	31,987	25,460	9,694	6,247	4,615	7,212	5,672	4,336
30%	3,839	5,857	7,896	17,005	17,872	20,608	7,920	5,725	4,312	7,064	5,295	4,222
40%	3,432	3,968	7,015	9,630	14,771	15,312	6,018	5,282	4,257	6,846	5,217	3,846
50%	3,269	3,727	6,220	9,430	10,305	12,649	5,787	4,568	4,130	6,845	4,500	3,392
60%	3,117	3,499	5,672	7,901	6,226	11,704	5,150	4,207	3,818	6,704	4,127	3,300
70%	2,739	3,378	4,776	5,692	5,554	8,334	4,814	3,512	3,709	6,408	3,895	2,903
80%	2,484	3,151	3,962	5,228	5,422	6,058	4,570	2,944	2,762	5,446	3,648	2,173
90%	2,113	2,517	3,579	4,196	3,345	4,168	3,801	2,449	2,651	4,975	2,892	2,140
Long Term												
Full Simulation Period[a]	3,970	7,156	10,749	13,133	15,109	16,103	9,407	6,382	5,330	6,746	4,600	4,046
Water Year Types[b]												
Wet (31%)	5,950	15,389	26,240	22,079	30,162	29,992	19,094	12,707	9,971	8,097	5,103	6,907
Above Normal (25%)	2,589	4,259	7,233	27,951	26,532	23,098	11,330	7,047	4,864	6,070	4,503	4,154
Below Normal (6%)	4,375	3,496	3,582	9,313	14,771	12,839	6,018	6,247	4,615	7,212	5,264	3,423
Dry (13%)	3,295	5,834	6,231	6,471	7,523	12,038	6,044	4,454	4,221	6,891	5,678	3,525
Critical (25%)	3,398	3,517	4,809	6,142	4,633	6,097	4,255	2,624	2,833	5,725	3,243	2,256

Alternative 4 H2 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	6,665	11,577	29,155	26,062	32,204	28,955	19,387	8,098	5,717	7,035	5,516	4,379
20%	5,942	9,024	9,273	22,340	29,480	23,056	11,083	7,482	5,198	6,736	5,034	4,214
30%	4,319	3,745	8,097	14,484	15,276	18,774	9,253	6,600	4,886	6,225	4,588	3,925
40%	4,065	3,727	7,932	8,427	10,259	10,096	6,773	5,939	4,731	5,813	4,026	3,540
50%	3,922	3,704	6,474	8,107	8,430	9,303	5,551	5,110	4,301	5,359	3,960	3,441
60%	3,824	3,660	5,028	7,835	6,434	8,299	5,250	4,705	4,204	4,916	3,733	3,405
70%	3,597	3,650	4,432	7,490	5,413	6,661	5,162	4,158	3,976	4,270	3,588	3,376
80%	3,138	3,576	4,240	6,102	5,050	5,596	4,880	3,650	3,693	4,058	3,400	3,354
90%	3,021	3,247	3,805	5,641	3,809	4,689	4,642	3,010	3,594	3,773	3,333	3,158
Long Term												
Full Simulation Period[a]	4,332	6,071	10,670	12,677	13,840	14,025	9,583	5,871	4,688	5,436	4,248	3,688
Water Year Types[b]												
Wet (31%)	4,095	12,274	25,611	20,054	27,442	26,012	19,365	8,630	5,766	5,777	4,183	3,799
Above Normal (25%)	4,646	3,287	8,054	26,129	25,536	20,575	11,037	6,738	4,297	5,172	4,606	3,441
Below Normal (6%)	3,390	3,738	4,395	9,169	10,367	9,514	5,800	4,705	5,594	3,822	3,400	3,363
Dry (13%)	3,475	4,972	6,010	6,253	6,792	10,021	6,129	5,644	4,817	6,586	5,030	3,695
Critical (25%)	5,269	3,567	4,745	7,236	4,612	5,922	4,695	3,732	3,699	4,671	3,701	3,758

Alternative 4 H2 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-652	-4,634	-1,123	-1,910	-2,263	-3,266	-1,936	-3,406	-1,032	-920	-698	-1,685
20%	1,567	-3,997	-861	-485	-2,507	-2,404	1,389	1,234	583	-476	-638	-121
30%	480	-2,113	201	-2,520	-2,596	-1,834	1,333	875	574	-839	-706	-298
40%	633	-242	917	-1,203	-4,512	-5,216	754	657	475	-1,033	-1,191	-306
50%	652	-22	254	-1,323	-1,875	-3,346	-236	542	172	-1,486	-540	49
60%	707	161	-644	-66	208	-3,404	99	498	386	-1,788	-394	105
70%	858	273	-344	1,798	-141	-1,673	348	646	267	-2,138	-306	473
80%	655	425	278	874	-373	-462	310	706	931	-1,388	-248	1,181
90%	908	730	226	1,445	464	521	841	561	943	-1,202	441	1,018
Long Term												
Full Simulation Period[a]	362	-1,085	-79	-455	-1,269	-2,077	176	-511	-641	-1,310	-352	-358
Water Year Types[b]												
Wet (31%)	-1,855	-3,114	-629	-2,024	-2,720	-3,980	271	-4,078	-4,206	-2,320	-920	-3,107
Above Normal (25%)	2,058	-972	821	-1,823	-996	-2,523	-293	-309	-567	-898	103	-713
Below Normal (6%)	-984	241	813	-144	-4,403	-3,324	-218	-1,542	979	-3,390	-1,864	-61
Dry (13%)	180	-863	-220	-217	-731	-2,017	85	1,189	596	-305	-648	170
Critical (25%)	1,871	51	-64	1,094	-21	-175	440	1,108	866	-1,054	459	1,502

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-25-7. Sutter and Steamboat Slough, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	7,316	16,211	30,278	27,972	34,467	32,221	21,322	11,503	6,749	7,955	6,214	6,064
20%	4,375	13,021	10,134	22,825	31,987	25,460	9,694	6,247	4,615	7,212	5,672	4,336
30%	3,839	5,857	7,896	17,005	17,872	20,608	7,920	5,725	4,312	7,064	5,295	4,222
40%	3,432	3,968	7,015	9,630	14,771	15,312	6,018	5,282	4,257	6,846	5,217	3,846
50%	3,269	3,727	6,220	9,430	10,305	12,649	5,787	4,568	4,130	6,845	4,500	3,392
60%	3,117	3,499	5,672	7,901	6,226	11,704	5,150	4,207	3,818	6,704	4,127	3,300
70%	2,739	3,378	4,776	5,692	5,554	8,334	4,814	3,512	3,709	6,408	3,895	2,903
80%	2,484	3,151	3,962	5,228	5,422	6,058	4,570	2,944	2,762	5,446	3,648	2,173
90%	2,113	2,517	3,579	4,196	3,345	4,168	3,801	2,449	2,651	4,975	2,892	2,140
Long Term												
Full Simulation Period[a]	3,970	7,156	10,749	13,133	15,109	16,103	9,407	6,382	5,330	6,746	4,600	4,046
Water Year Types[b]												
Wet (31%)	5,950	15,389	26,240	22,079	30,162	29,992	19,094	12,707	9,971	8,097	5,103	6,907
Above Normal (25%)	2,589	4,259	7,233	27,951	26,532	23,098	11,330	7,047	4,864	6,070	4,503	4,154
Below Normal (6%)	4,375	3,496	3,582	9,313	14,771	12,839	6,018	6,247	4,615	7,212	5,264	3,423
Dry (13%)	3,295	5,834	6,231	6,471	7,523	12,038	6,044	4,454	4,221	6,891	5,678	3,525
Critical (25%)	3,398	3,517	4,809	6,142	4,633	6,097	4,255	2,624	2,833	5,725	3,243	2,256

Alternative 4 H3 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4,954	11,229	27,902	25,932	31,560	28,877	17,612	7,734	5,794	10,160	5,786	8,145
20%	4,338	8,803	8,220	22,263	29,478	23,039	9,065	6,315	5,620	7,883	5,076	7,095
30%	4,078	5,428	8,025	14,971	15,044	16,742	6,073	5,588	5,530	7,526	4,529	5,305
40%	3,982	3,856	7,845	9,149	9,809	10,072	5,766	5,218	5,387	7,268	4,043	5,129
50%	3,827	3,747	7,205	8,622	8,421	8,853	5,320	4,948	4,772	5,609	3,703	4,504
60%	3,710	3,680	6,011	7,624	6,653	8,298	5,162	4,502	4,546	5,358	3,587	4,167
70%	3,467	3,635	5,700	6,709	5,508	6,406	5,029	4,036	4,181	4,601	3,522	3,385
80%	3,332	3,597	5,360	5,745	5,049	5,598	4,969	3,829	3,763	4,253	3,469	3,164
90%	2,915	3,322	3,926	5,140	3,748	4,816	4,766	3,050	3,585	3,832	3,383	3,077
Long Term												
Full Simulation Period[a]	4,007	6,161	10,830	12,473	13,708	13,615	8,742	5,549	4,974	6,460	4,235	5,019
Water Year Types[b]												
Wet (31%)	3,910	11,852	25,024	20,034	27,448	25,685	17,740	7,910	6,229	7,435	4,253	8,067
Above Normal (25%)	5,136	3,349	8,025	25,070	24,698	20,315	7,429	5,019	4,471	8,908	4,841	5,253
Below Normal (6%)	3,830	3,807	4,307	9,149	9,809	8,668	5,766	4,502	5,658	3,738	3,469	3,314
Dry (13%)	3,573	5,262	6,316	6,173	6,846	9,130	6,199	5,942	5,276	7,403	5,020	4,213
Critical (25%)	4,017	3,923	5,514	7,091	4,590	5,857	4,700	3,769	3,791	4,492	3,503	3,472

Alternative 4 H3 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-2,362	-4,982	-2,376	-2,040	-2,907	-3,345	-3,710	-3,769	-955	2,205	-428	2,080
20%	-37	-4,218	-1,915	-562	-2,509	-2,421	-629	67	1,005	671	-596	2,759
30%	238	-429	129	-2,033	-2,828	-3,866	-1,848	-138	1,218	461	-766	1,082
40%	550	-113	830	-480	-4,961	-5,240	-252	-64	1,130	422	-1,175	1,283
50%	558	20	985	-808	-1,884	-3,796	-467	380	642	-1,237	-798	1,112
60%	593	181	339	-277	427	-3,406	12	294	728	-1,346	-539	867
70%	728	257	924	1,017	-46	-1,928	216	524	472	-1,807	-373	482
80%	849	446	1,398	517	-373	-460	399	885	1,001	-1,193	-180	991
90%	802	805	347	944	403	648	964	602	934	-1,143	491	937
Long Term												
Full Simulation Period[a]	37	-995	82	-659	-1,401	-2,487	-664	-832	-356	-285	-366	972
Water Year Types[b]												
Wet (31%)	-2,040	-3,536	-1,216	-2,045	-2,714	-4,307	-1,354	-4,798	-3,742	-663	-849	1,160
Above Normal (25%)	2,547	-910	792	-2,882	-1,835	-2,783	-3,901	-2,028	-394	2,839	338	1,099
Below Normal (6%)	-545	311	725	-164	-4,961	-4,171	-252	-1,746	1,042	-3,474	-1,796	-110
Dry (13%)	278	-572	85	-298	-677	-2,908	155	1,488	1,056	512	-658	688
Critical (25%)	619	406	705	949	-44	-241	445	1,145	959	-1,233	260	1,215

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-25-8. Sutter and Steamboat Slough, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	7,316	16,211	30,278	27,972	34,467	32,221	21,322	11,503	6,749	7,955	6,214	6,064
20%	4,375	13,021	10,134	22,825	31,987	25,460	9,694	6,247	4,615	7,212	5,672	4,336
30%	3,839	5,857	7,896	17,005	17,872	20,608	7,920	5,725	4,312	7,064	5,295	4,222
40%	3,432	3,968	7,015	9,630	14,771	15,312	6,018	5,282	4,257	6,846	5,217	3,846
50%	3,269	3,727	6,220	9,430	10,305	12,649	5,787	4,568	4,130	6,845	4,500	3,392
60%	3,117	3,499	5,672	7,901	6,226	11,704	5,150	4,207	3,818	6,704	4,127	3,300
70%	2,739	3,378	4,776	5,692	5,554	8,334	4,814	3,512	3,709	6,408	3,895	2,903
80%	2,484	3,151	3,962	5,228	5,422	6,058	4,570	2,944	2,762	5,446	3,648	2,173
90%	2,113	2,517	3,579	4,196	3,345	4,168	3,801	2,449	2,651	4,975	2,892	2,140
Long Term												
Full Simulation Period[a]	3,970	7,156	10,749	13,133	15,109	16,103	9,407	6,382	5,330	6,746	4,600	4,046
Water Year Types[b]												
Wet (31%)	5,950	15,389	26,240	22,079	30,162	29,992	19,094	12,707	9,971	8,097	5,103	6,907
Above Normal (25%)	2,589	4,259	7,233	27,951	26,532	23,098	11,330	7,047	4,864	6,070	4,503	4,154
Below Normal (6%)	4,375	3,496	3,582	9,313	14,771	12,839	6,018	6,247	4,615	7,212	5,264	3,423
Dry (13%)	3,295	5,834	6,231	6,471	7,523	12,038	6,044	4,454	4,221	6,891	5,678	3,525
Critical (25%)	3,398	3,517	4,809	6,142	4,633	6,097	4,255	2,624	2,833	5,725	3,243	2,256

Alternative 4 H4 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	5,866	10,471	27,997	26,073	31,556	28,982	19,423	8,036	5,640	6,924	5,450	8,108
20%	5,294	8,807	8,226	22,440	29,488	23,058	11,082	7,437	5,137	6,459	5,074	6,714
30%	4,336	5,448	8,062	14,504	15,237	18,304	9,244	6,566	4,832	5,947	4,932	5,263
40%	4,110	3,798	7,734	8,423	10,030	10,078	6,843	5,880	4,677	5,570	4,204	4,580
50%	4,016	3,733	6,459	7,871	8,416	8,888	5,557	5,098	4,303	5,028	4,031	4,041
60%	3,883	3,644	5,728	7,318	6,478	8,300	5,250	4,705	4,214	4,622	3,970	4,022
70%	3,689	3,615	5,160	5,884	5,412	6,409	5,075	4,097	3,978	4,267	3,696	3,686
80%	3,342	3,597	4,485	5,318	5,048	5,599	4,794	3,653	3,794	4,137	3,632	3,608
90%	2,744	3,289	3,945	4,772	3,829	4,655	4,762	3,009	3,581	3,953	3,466	3,320
Long Term												
Full Simulation Period[a]	4,249	6,118	10,609	12,165	13,755	13,823	9,593	5,849	4,671	5,333	4,352	4,984
Water Year Types[b]												
Wet (31%)	4,578	11,623	25,071	20,011	27,446	25,789	19,389	8,578	5,767	5,752	4,317	7,956
Above Normal (25%)	5,023	3,312	7,947	25,926	24,899	20,451	11,080	6,676	4,300	5,174	4,606	5,263
Below Normal (6%)	3,883	3,769	5,238	9,209	10,030	8,684	5,783	4,705	5,440	3,861	3,423	3,393
Dry (13%)	3,574	5,196	5,962	6,182	6,797	9,850	6,020	5,632	4,760	6,094	5,038	3,745
Critical (25%)	4,289	4,044	4,897	5,761	4,657	5,805	4,782	3,736	3,716	4,746	3,914	3,804

Alternative 4 H4 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	**-1,450**	**-5,740**	**-2,281**	**-1,899**	**-2,911**	**-3,240**	**-1,899**	**-3,468**	**-1,109**	**-1,031**	**-765**	2,044
20%	919	**-4,215**	**-1,909**	**-385**	**-2,498**	**-2,402**	1,388	1,190	522	**-753**	**-598**	2,378
30%	497	**-409**	166	**-2,500**	**-2,635**	**-2,304**	1,324	841	520	**-1,117**	**-362**	1,041
40%	679	**-170**	719	**-1,206**	**-4,740**	**-5,235**	825	598	421	**-1,276**	**-1,013**	734
50%	747	6	239	**-1,559**	**-1,889**	**-3,761**	**-230**	530	173	**-1,818**	**-470**	650
60%	767	145	56	**-583**	252	**-3,404**	99	497	396	**-2,083**	**-157**	722
70%	950	237	384	192	**-142**	**-1,925**	261	585	270	**-2,141**	**-198**	783
80%	859	447	523	90	**-374**	**-459**	224	709	1,032	**-1,309**	**-16**	1,436
90%	631	772	366	576	484	487	960	560	930	**-1,022**	574	1,180
Long Term												
Full Simulation Period[a]	279	**-1,038**	**-139**	**-968**	**-1,354**	**-2,280**	186	**-533**	**-659**	**-1,413**	**-249**	938
Water Year Types[b]												
Wet (31%)	**-1,372**	**-3,766**	**-1,169**	**-2,068**	**-2,717**	**-4,203**	295	**-4,129**	**-4,204**	**-2,346**	**-786**	1,049
Above Normal (25%)	2,434	**-947**	714	**-2,025**	**-1,633**	**-2,647**	**-251**	**-372**	**-565**	**-896**	103	1,110
Below Normal (6%)	**-492**	273	1,656	**-104**	**-4,740**	**-4,155**	**-236**	**-1,543**	824	**-3,351**	**-1,842**	**-30**
Dry (13%)	279	**-638**	**-269**	**-288**	**-726**	**-2,188**	**-24**	1,178	539	**-797**	**-640**	220
Critical (25%)	891	528	88	**-381**	24	**-292**	527	1,112	884	**-980**	671	1,548

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-25-9. Sutter and Steamboat Slough, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	7,316	16,211	30,278	27,972	34,467	32,221	21,322	11,503	6,749	7,955	6,214	6,064
20%	4,375	13,021	10,134	22,825	31,987	25,460	9,694	6,247	4,615	7,212	5,672	4,336
30%	3,839	5,857	7,896	17,005	17,872	20,608	7,920	5,725	4,312	7,064	5,295	4,222
40%	3,432	3,968	7,015	9,630	14,771	15,312	6,018	5,282	4,257	6,846	5,217	3,846
50%	3,269	3,727	6,220	9,430	10,305	12,649	5,787	4,568	4,130	6,845	4,500	3,392
60%	3,117	3,499	5,672	7,901	6,226	11,704	5,150	4,207	3,818	6,704	4,127	3,300
70%	2,739	3,378	4,776	5,692	5,554	8,334	4,814	3,512	3,709	6,408	3,895	2,903
80%	2,484	3,151	3,962	5,228	5,422	6,058	4,570	2,944	2,762	5,446	3,648	2,173
90%	2,113	2,517	3,579	4,196	3,345	4,168	3,801	2,449	2,651	4,975	2,892	2,140
Long Term												
Full Simulation Period[a]	3,970	7,156	10,749	13,133	15,109	16,103	9,407	6,382	5,330	6,746	4,600	4,046
Water Year Types[b]												
Wet (31%)	5,950	15,389	26,240	22,079	30,162	29,992	19,094	12,707	9,971	8,097	5,103	6,907
Above Normal (25%)	2,589	4,259	7,233	27,951	26,532	23,098	11,330	7,047	4,864	6,070	4,503	4,154
Below Normal (6%)	4,375	3,496	3,582	9,313	14,771	12,839	6,018	6,247	4,615	7,212	5,264	3,423
Dry (13%)	3,295	5,834	6,231	6,471	7,523	12,038	6,044	4,454	4,221	6,891	5,678	3,525
Critical (25%)	3,398	3,517	4,809	6,142	4,633	6,097	4,255	2,624	2,833	5,725	3,243	2,256

Alternative 5 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	6,105	12,358	30,805	28,820	34,826	32,094	20,493	8,854	7,072	9,086	6,409	9,583
20%	4,920	9,072	8,379	25,030	32,700	26,165	9,739	5,863	6,440	8,639	5,767	8,034
30%	4,710	6,052	8,215	16,276	17,996	19,414	6,984	5,634	5,865	8,163	5,275	5,817
40%	4,453	4,785	7,424	9,443	11,231	11,913	6,468	5,065	5,525	7,956	4,166	3,658
50%	4,185	4,422	6,925	8,949	9,215	10,806	5,816	4,673	5,424	7,312	3,740	3,626
60%	3,849	4,125	6,330	7,894	6,787	9,033	5,447	4,373	5,055	6,828	3,574	3,612
70%	3,750	3,714	6,100	6,924	6,015	6,921	5,336	4,109	4,656	5,708	3,459	3,247
80%	3,581	3,603	4,435	5,926	5,189	5,834	5,197	3,925	3,933	4,971	3,401	3,225
90%	2,993	3,523	3,888	5,302	3,855	4,951	5,030	3,104	3,709	3,883	3,218	3,132
Long Term												
Full Simulation Period[a]	4,313	6,805	11,328	13,574	15,162	15,242	9,646	5,813	5,645	6,912	4,447	5,175
Water Year Types[b]												
Wet (31%)	4,534	13,735	27,098	22,425	30,543	28,774	19,522	9,263	7,964	7,525	5,002	9,394
Above Normal (25%)	3,510	4,121	7,902	28,291	27,825	22,685	9,140	5,267	5,971	8,369	4,671	5,817
Below Normal (6%)	3,849	4,143	6,074	9,423	11,231	10,320	5,951	4,613	6,440	6,936	3,751	3,133
Dry (13%)	3,798	5,429	6,442	6,517	7,309	10,516	6,437	5,681	5,204	7,443	5,330	3,339
Critical (25%)	4,962	3,968	5,041	7,081	4,859	6,204	5,255	3,617	3,854	5,409	3,346	3,420

Alternative 5 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	**-1,211**	**-3,853**	528	848	360	**-128**	**-830**	**-2,649**	323	1,131	195	3,519
20%	545	**-3,950**	**-1,755**	2,205	714	705	45	**-385**	1,824	1,427	95	3,698
30%	871	195	319	**-729**	124	**-1,193**	**-936**	**-91**	1,553	1,099	**-19**	1,594
40%	1,022	817	410	**-187**	**-3,539**	**-3,399**	450	**-217**	1,268	1,110	**-1,051**	**-188**
50%	916	695	706	**-481**	**-1,090**	**-1,843**	29	104	1,295	467	**-760**	234
60%	732	626	658	**-7**	561	**-2,671**	297	165	1,237	123	**-552**	312
70%	1,011	337	1,324	1,232	461	**-1,413**	522	597	948	**-700**	**-435**	344
80%	1,098	452	473	699	**-234**	**-224**	627	981	1,170	**-475**	**-248**	1,052
90%	880	1,006	310	1,106	510	783	1,229	655	1,058	**-1,092**	326	992
Long Term												
Full Simulation Period[a]	343	**-351**	579	441	53	**-861**	240	**-569**	316	166	**-154**	1,129
Water Year Types[b]												
Wet (31%)	**-1,417**	**-1,654**	858	347	381	**-1,218**	428	**-3,445**	**-2,007**	**-572**	**-101**	2,487
Above Normal (25%)	921	**-138**	668	339	1,292	**-413**	**-2,191**	**-1,780**	1,107	2,299	167	1,663
Below Normal (6%)	**-526**	647	2,491	110	**-3,539**	**-2,518**	**-67**	**-1,635**	1,824	**-276**	**-1,514**	**-291**
Dry (13%)	503	**-405**	211	47	**-214**	**-1,523**	393	1,226	983	553	**-348**	**-186**
Critical (25%)	1,565	451	232	939	226	107	999	993	1,022	**-316**	103	1,164

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-25-10. Sutter and Steamboat Slough, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	7,316	16,211	30,278	27,972	34,467	32,221	21,322	11,503	6,749	7,955	6,214	6,064
20%	4,375	13,021	10,134	22,825	31,987	25,460	9,694	6,247	4,615	7,212	5,672	4,336
30%	3,839	5,857	7,896	17,005	17,872	20,608	7,920	5,725	4,312	7,064	5,295	4,222
40%	3,432	3,968	7,015	9,630	14,771	15,312	6,018	5,282	4,257	6,846	5,217	3,846
50%	3,269	3,727	6,220	9,430	10,305	12,649	5,787	4,568	4,130	6,845	4,500	3,392
60%	3,117	3,499	5,672	7,901	6,226	11,704	5,150	4,207	3,818	6,704	4,127	3,300
70%	2,739	3,378	4,776	5,692	5,554	8,334	4,814	3,512	3,709	6,408	3,895	2,903
80%	2,484	3,151	3,962	5,228	5,422	6,058	4,570	2,944	2,762	5,446	3,648	2,173
90%	2,113	2,517	3,579	4,196	3,345	4,168	3,801	2,449	2,651	4,975	2,892	2,140
Long Term												
Full Simulation Period[a]	3,970	7,156	10,749	13,133	15,109	16,103	9,407	6,382	5,330	6,746	4,600	4,046
Water Year Types[b]												
Wet (31%)	5,950	15,389	26,240	22,079	30,162	29,992	19,094	12,707	9,971	8,097	5,103	6,907
Above Normal (25%)	2,589	4,259	7,233	27,951	26,532	23,098	11,330	7,047	4,864	6,070	4,503	4,154
Below Normal (6%)	4,375	3,496	3,582	9,313	14,771	12,839	6,018	6,247	4,615	7,212	5,264	3,423
Dry (13%)	3,295	5,834	6,231	6,471	7,523	12,038	6,044	4,454	4,221	6,891	5,678	3,525
Critical (25%)	3,398	3,517	4,809	6,142	4,633	6,097	4,255	2,624	2,833	5,725	3,243	2,256

Alternative 6A,6B,6C (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4,138	11,677	27,256	23,137	29,399	27,292	17,065	6,774	5,337	4,762	3,635	6,678
20%	3,764	8,307	8,533	20,322	26,645	22,192	8,775	5,255	4,442	3,990	3,597	4,404
30%	3,704	5,483	7,995	14,452	13,789	16,303	5,972	4,991	4,379	3,869	3,576	3,967
40%	3,514	3,757	7,062	9,106	9,654	9,642	5,806	4,745	4,288	3,715	3,508	3,407
50%	3,500	3,694	6,293	8,114	8,607	8,631	5,358	4,349	4,196	3,579	3,471	3,290
60%	3,454	3,653	5,075	7,300	7,756	8,164	5,138	4,128	4,076	3,506	3,430	3,230
70%	3,333	3,554	4,354	6,048	6,048	6,403	5,043	3,836	3,651	3,505	3,340	3,174
80%	3,271	3,456	4,276	5,343	5,055	5,560	4,744	3,407	3,431	3,480	3,321	3,134
90%	2,585	3,189	3,529	4,560	3,783	4,169	4,567	2,844	3,351	3,460	3,289	3,014
Long Term												
Full Simulation Period[a]	3,452	5,922	10,148	11,502	13,156	13,129	8,499	5,056	4,347	3,887	3,431	4,017
Water Year Types[b]												
Wet (31%)	3,857	11,137	24,349	18,794	25,905	24,870	16,991	7,622	5,383	4,805	3,623	6,329
Above Normal (25%)	2,554	3,189	7,374	23,345	22,099	19,217	7,291	5,000	4,057	3,852	3,576	3,967
Below Normal (6%)	3,699	3,757	4,276	9,107	9,654	8,164	5,829	4,527	5,397	3,504	3,604	3,407
Dry (13%)	3,516	5,203	5,830	6,227	6,693	9,222	6,173	4,774	4,281	3,622	3,427	3,248
Critical (25%)	3,389	3,851	4,526	5,631	5,250	5,421	4,583	3,358	3,476	3,455	3,188	2,923

Alternative 6A,6B,6C (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-3,178	-4,534	-3,022	-4,834	-5,067	-4,929	-4,257	-4,729	-1,412	-3,194	-2,579	614
20%	-611	-4,714	-1,601	-2,503	-5,341	-3,268	-919	-992	-173	-3,222	-2,075	68
30%	-135	-374	99	-2,553	-4,084	-4,305	-1,949	-735	68	-3,195	-1,718	-255
40%	82	-211	47	-524	-5,116	-5,670	-212	-537	31	-3,131	-1,710	-439
50%	231	-33	73	-1,316	-1,698	-4,018	-428	-220	66	-3,266	-1,029	-101
60%	337	154	-597	-601	1,530	-3,539	-13	-79	258	-3,198	-696	-71
70%	594	177	-422	356	494	-1,932	229	324	-58	-2,903	-555	271
80%	788	306	314	115	-368	-498	175	463	668	-1,966	-328	961
90%	472	672	-50	363	438	1	766	395	700	-1,515	397	874
Long Term												
Full Simulation Period[a]	-518	-1,234	-600	-1,630	-1,953	-2,973	-908	-1,326	-983	-2,859	-1,170	-30
Water Year Types[b]												
Wet (31%)	-2,094	-4,252	-1,891	-3,284	-4,257	-5,122	-2,102	-5,086	-4,588	-3,292	-1,480	-577
Above Normal (25%)	-35	-1,070	141	-4,606	-4,433	-3,881	-4,040	-2,047	-808	-2,217	-927	-186
Below Normal (6%)	-676	261	693	-206	-5,116	-4,674	-189	-1,721	782	-3,708	-1,660	-16
Dry (13%)	221	-631	-400	-243	-830	-2,817	129	319	60	-3,269	-2,251	-276
Critical (25%)	-9	334	-283	-511	617	-677	328	734	643	-2,270	-55	666

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-25-11. Sutter and Steamboat Slough, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	7,316	16,211	30,278	27,972	34,467	32,221	21,322	11,503	6,749	7,955	6,214	6,064
20%	4,375	13,021	10,134	22,825	31,987	25,460	9,694	6,247	4,615	7,212	5,672	4,336
30%	3,839	5,857	7,896	17,005	17,872	20,608	7,920	5,725	4,312	7,064	5,295	4,222
40%	3,432	3,968	7,015	9,630	14,771	15,312	6,018	5,282	4,257	6,846	5,217	3,846
50%	3,269	3,727	6,220	9,430	10,305	12,649	5,787	4,568	4,130	6,845	4,500	3,392
60%	3,117	3,499	5,672	7,901	6,226	11,704	5,150	4,207	3,818	6,704	4,127	3,300
70%	2,739	3,378	4,776	5,692	5,554	8,334	4,814	3,512	3,709	6,408	3,895	2,903
80%	2,484	3,151	3,962	5,228	5,422	6,058	4,570	2,944	2,762	5,446	3,648	2,173
90%	2,113	2,517	3,579	4,196	3,345	4,168	3,801	2,449	2,651	4,975	2,892	2,140
Long Term												
Full Simulation Period[a]	3,970	7,156	10,749	13,133	15,109	16,103	9,407	6,382	5,330	6,746	4,600	4,046
Water Year Types[b]												
Wet (31%)	5,950	15,389	26,240	22,079	30,162	29,992	19,094	12,707	9,971	8,097	5,103	6,907
Above Normal (25%)	2,589	4,259	7,233	27,951	26,532	23,098	11,330	7,047	4,864	6,070	4,503	4,154
Below Normal (6%)	4,375	3,496	3,582	9,313	14,771	12,839	6,018	6,247	4,615	7,212	5,264	3,423
Dry (13%)	3,295	5,834	6,231	6,471	7,523	12,038	6,044	4,454	4,221	6,891	5,678	3,525
Critical (25%)	3,398	3,517	4,809	6,142	4,633	6,097	4,255	2,624	2,833	5,725	3,243	2,256

Alternative 7 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4,056	11,263	29,228	25,460	31,418	28,932	17,784	7,389	5,227	9,216	5,615	8,289
20%	3,925	8,674	8,277	22,547	29,222	22,703	9,153	5,277	4,917	7,758	5,099	6,820
30%	3,840	5,532	7,923	14,181	14,736	16,331	6,287	4,973	4,856	7,313	4,929	5,233
40%	3,765	3,989	7,022	8,683	9,620	9,854	5,756	4,766	4,625	7,031	4,916	4,265
50%	3,610	3,783	6,353	8,121	8,823	9,046	5,543	4,412	4,615	6,640	4,763	3,715
60%	3,562	3,714	5,171	7,373	7,857	8,245	5,330	4,103	4,592	5,976	4,549	3,276
70%	3,430	3,675	4,504	5,974	6,243	6,860	5,062	3,848	4,537	5,345	4,443	3,195
80%	3,405	3,589	4,348	5,428	5,150	5,730	4,857	3,543	4,498	4,521	4,359	3,126
90%	2,600	3,559	3,635	4,675	3,850	4,305	4,661	3,493	4,351	4,506	4,280	3,074
Long Term												
Full Simulation Period[a]	3,498	6,232	10,520	12,055	13,858	13,543	8,740	5,289	4,995	6,541	4,830	4,771
Water Year Types[b]												
Wet (31%)	3,951	12,000	25,725	19,668	27,258	25,589	17,533	7,887	6,215	7,361	4,819	8,098
Above Normal (25%)	2,691	3,789	7,277	25,693	24,396	19,188	7,523	5,021	4,730	7,078	4,725	5,233
Below Normal (6%)	3,417	3,793	4,348	9,136	9,620	9,494	6,181	4,633	5,215	7,031	5,298	4,265
Dry (13%)	3,525	5,186	5,853	6,273	6,969	9,624	6,274	4,821	4,641	7,785	5,398	3,276
Critical (25%)	3,454	3,919	4,623	5,718	5,282	5,593	4,677	3,824	4,365	4,577	4,334	3,224

Alternative 7 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	**-3,261**	**-4,948**	**-1,049**	**-2,511**	**-3,049**	**-3,289**	**-3,538**	**-4,114**	**-1,522**	1,261	**-599**	2,225
20%	**-449**	**-4,347**	**-1,857**	**-278**	**-2,764**	**-2,757**	**-541**	**-970**	302	546	**-573**	2,484
30%	1	**-325**	27	**-2,823**	**-3,136**	**-4,277**	**-1,633**	**-752**	544	249	**-366**	1,010
40%	333	21	7	**-947**	**-5,150**	**-5,458**	**-262**	**-516**	369	185	**-302**	419
50%	341	56	133	**-1,309**	**-1,482**	**-3,603**	**-244**	**-156**	485	**-205**	263	323
60%	446	215	**-501**	**-528**	1,631	**-3,458**	180	**-104**	774	**-728**	423	**-25**
70%	691	298	**-272**	282	688	**-1,474**	248	336	828	**-1,062**	549	292
80%	921	438	386	200	**-273**	**-328**	288	599	1,736	**-925**	711	953
90%	487	1,042	57	478	505	137	860	1,044	1,700	**-470**	1,388	934
Long Term												
Full Simulation Period[a]	**-472**	**-924**	**-228**	**-1,078**	**-1,251**	**-2,560**	**-667**	**-1,093**	**-334**	**-205**	230	725
Water Year Types[b]												
Wet (31%)	**-1,999**	**-3,389**	**-515**	**-2,410**	**-2,904**	**-4,403**	**-1,561**	**-4,820**	**-3,756**	**-737**	**-284**	1,191
Above Normal (25%)	102	**-470**	44	**-2,258**	**-2,136**	**-3,910**	**-3,807**	**-2,026**	**-135**	1,008	221	1,079
Below Normal (6%)	**-958**	296	765	**-178**	**-5,150**	**-3,345**	163	**-1,614**	599	**-181**	34	842
Dry (13%)	230	**-648**	**-378**	**-198**	**-554**	**-2,415**	230	366	420	894	**-280**	**-249**
Critical (25%)	56	402	**-186**	**-424**	649	**-505**	422	1,200	1,532	**-1,149**	1,092	967

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-25-12. Sutter and Steamboat Slough, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	7,316	16,211	30,278	27,972	34,467	32,221	21,322	11,503	6,749	7,955	6,214	6,064
20%	4,375	13,021	10,134	22,825	31,987	25,460	9,694	6,247	4,615	7,212	5,672	4,336
30%	3,839	5,857	7,896	17,005	17,872	20,608	7,920	5,725	4,312	7,064	5,295	4,222
40%	3,432	3,968	7,015	9,630	14,771	15,312	6,018	5,282	4,257	6,846	5,217	3,846
50%	3,269	3,727	6,220	9,430	10,305	12,649	5,787	4,568	4,130	6,845	4,500	3,392
60%	3,117	3,499	5,672	7,901	6,226	11,704	5,150	4,207	3,818	6,704	4,127	3,300
70%	2,739	3,378	4,776	5,692	5,554	8,334	4,814	3,512	3,709	6,408	3,895	2,903
80%	2,484	3,151	3,962	5,228	5,422	6,058	4,570	2,944	2,762	5,446	3,648	2,173
90%	2,113	2,517	3,579	4,196	3,345	4,168	3,801	2,449	2,651	4,975	2,892	2,140
Long Term												
Full Simulation Period[a]	3,970	7,156	10,749	13,133	15,109	16,103	9,407	6,382	5,330	6,746	4,600	4,046
Water Year Types[b]												
Wet (31%)	5,950	15,389	26,240	22,079	30,162	29,992	19,094	12,707	9,971	8,097	5,103	6,907
Above Normal (25%)	2,589	4,259	7,233	27,951	26,532	23,098	11,330	7,047	4,864	6,070	4,503	4,154
Below Normal (6%)	4,375	3,496	3,582	9,313	14,771	12,839	6,018	6,247	4,615	7,212	5,264	3,423
Dry (13%)	3,295	5,834	6,231	6,471	7,523	12,038	6,044	4,454	4,221	6,891	5,678	3,525
Critical (25%)	3,398	3,517	4,809	6,142	4,633	6,097	4,255	2,624	2,833	5,725	3,243	2,256

Alternative 8 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4,030	12,442	29,303	25,633	31,437	28,930	18,985	8,896	5,029	5,593	4,517	8,160
20%	3,937	8,964	8,535	22,518	28,529	22,455	10,733	6,769	4,622	4,992	4,473	6,799
30%	3,635	5,508	7,877	15,167	16,784	18,088	7,634	6,250	4,603	4,686	4,450	5,141
40%	3,431	3,752	6,974	9,980	10,406	10,959	7,163	5,289	4,596	4,663	4,434	3,362
50%	3,247	3,720	6,358	9,011	9,173	10,334	7,078	4,981	4,556	4,588	4,400	3,241
60%	3,177	3,704	5,018	8,078	8,790	8,814	6,562	4,838	4,513	4,501	4,372	3,133
70%	3,058	3,657	4,439	6,368	7,036	7,787	5,963	4,576	4,491	4,467	4,299	3,116
80%	2,685	3,591	4,271	5,834	5,303	6,931	5,566	4,387	4,283	4,419	4,243	3,104
90%	2,104	3,295	3,579	4,645	4,316	5,981	4,959	3,640	4,212	4,368	4,064	3,091
Long Term												
Full Simulation Period[a]	3,226	6,378	10,531	12,591	14,381	14,412	9,708	6,257	4,961	4,759	4,311	4,599
Water Year Types[b]												
Wet (31%)	3,698	12,768	25,858	20,400	27,142	25,577	18,094	9,593	6,549	5,529	4,529	8,034
Above Normal (25%)	2,884	3,330	7,302	26,387	24,738	19,733	9,042	5,953	4,612	4,530	4,444	5,141
Below Normal (6%)	3,287	3,752	4,319	9,980	12,620	10,193	7,082	6,769	4,844	4,486	4,423	3,362
Dry (13%)	2,999	5,250	5,881	6,812	7,872	11,360	7,808	5,175	4,414	4,555	4,382	3,172
Critical (25%)	3,155	3,914	4,524	5,969	5,588	6,636	5,311	4,474	4,291	4,452	4,004	3,022

Alternative 8 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-3,286	-3,769	-975	-2,338	-3,029	-3,291	-2,338	-2,607	-1,720	-2,362	-1,697	2,095
20%	-438	-4,058	-1,599	-307	-3,458	-3,005	1,039	522	7	-2,220	-1,199	2,463
30%	-204	-349	-20	-1,837	-1,088	-2,519	-287	525	291	-2,378	-845	918
40%	0	-216	-40	350	-4,365	-4,353	1,145	7	339	-2,182	-784	-484
50%	-22	-7	139	-419	-1,132	-2,315	1,291	413	427	-2,257	-100	-151
60%	60	205	-654	177	2,564	-2,889	1,412	631	695	-2,203	245	-168
70%	319	279	-337	676	1,481	-547	1,149	1,064	782	-1,940	404	213
80%	202	441	309	607	-119	872	997	1,443	1,521	-1,027	595	932
90%	-9	778	1	448	971	1,813	1,158	1,191	1,561	-608	1,171	952
Long Term												
Full Simulation Period[a]	-744	-777	-217	-542	-728	-1,691	302	-124	-368	-1,987	-290	552
Water Year Types[b]												
Wet (31%)	-2,252	-2,621	-382	-1,678	-3,020	-4,415	-1,000	-3,115	-3,422	-2,568	-574	1,127
Above Normal (25%)	295	-929	69	-1,565	-1,794	-3,365	-2,288	-1,094	-253	-1,540	-59	987
Below Normal (6%)	-1,088	255	737	666	-2,151	-2,646	1,064	522	229	-2,726	-841	-61
Dry (13%)	-296	-584	-349	342	349	-678	1,764	721	193	-2,335	-1,296	-353
Critical (25%)	-243	397	-285	-173	955	539	1,056	1,851	1,459	-1,273	761	766

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-25-13. Sutter and Steamboat Slough, Monthly Flow

Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	7,316	16,211	30,278	27,972	34,467	32,221	21,322	11,503	6,749	7,955	6,214	6,064
20%	4,375	13,021	10,134	22,825	31,987	25,460	9,694	6,247	4,615	7,212	5,672	4,336
30%	3,839	5,857	7,896	17,005	17,872	20,608	7,920	5,725	4,312	7,064	5,295	4,222
40%	3,432	3,968	7,015	9,630	14,771	15,312	6,018	5,282	4,257	6,846	5,217	3,846
50%	3,269	3,727	6,220	9,430	10,305	12,649	5,787	4,568	4,130	6,845	4,500	3,392
60%	3,117	3,499	5,672	7,901	6,226	11,704	5,150	4,207	3,818	6,704	4,127	3,300
70%	2,739	3,378	4,776	5,692	5,554	8,334	4,814	3,512	3,709	6,408	3,895	2,903
80%	2,484	3,151	3,962	5,228	5,422	6,058	4,570	2,944	2,762	5,446	3,648	2,173
90%	2,113	2,517	3,579	4,196	3,345	4,168	3,801	2,449	2,651	4,975	2,892	2,140
Long Term												
Full Simulation Period[a]	3,970	7,156	10,749	13,133	15,109	16,103	9,407	6,382	5,330	6,746	4,600	4,046
Water Year Types[b]												
Wet (31%)	5,950	15,389	26,240	22,079	30,162	29,992	19,094	12,707	9,971	8,097	5,103	6,907
Above Normal (25%)	2,589	4,259	7,233	27,951	26,532	23,098	11,330	7,047	4,864	6,070	4,503	4,154
Below Normal (6%)	4,375	3,496	3,582	9,313	14,771	12,839	6,018	6,247	4,615	7,212	5,264	3,423
Dry (13%)	3,295	5,834	6,231	6,471	7,523	12,038	6,044	4,454	4,221	6,891	5,678	3,525
Critical (25%)	3,398	3,517	4,809	6,142	4,633	6,097	4,255	2,624	2,833	5,725	3,243	2,256

Alternative 9 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	6,765	13,497	33,068	31,721	38,126	35,153	21,999	9,389	6,752	8,944	6,964	12,550
20%	5,554	10,171	8,073	27,785	35,732	28,670	9,856	6,919	6,131	8,757	6,876	10,004
30%	5,333	7,779	7,744	17,606	19,903	20,915	7,591	6,305	5,666	8,294	6,802	8,016
40%	4,771	5,845	7,151	9,815	12,585	13,183	6,374	5,891	5,628	7,431	6,609	5,059
50%	4,282	4,638	6,511	8,984	9,441	11,770	5,866	5,586	5,596	7,180	5,928	3,995
60%	3,924	4,231	6,143	7,636	6,505	9,504	5,660	5,011	5,522	6,900	5,195	3,756
70%	3,627	4,062	5,654	5,757	5,328	7,094	5,463	4,854	5,001	6,394	4,583	3,349
80%	3,412	3,888	4,706	5,228	4,937	5,637	5,273	3,778	4,572	5,553	4,069	3,247
90%	3,097	3,484	4,523	4,660	4,027	4,749	4,937	3,639	4,200	4,756	3,735	3,233
Long Term												
Full Simulation Period[a]	4,603	7,540	11,745	14,127	16,274	16,424	10,112	6,534	5,862	7,186	5,582	6,301
Water Year Types[b]												
Wet (31%)	6,118	14,511	29,244	24,481	33,464	31,561	20,898	10,298	8,151	7,715	6,419	12,164
Above Normal (25%)	2,972	4,577	7,386	31,222	30,592	24,803	10,199	5,969	5,575	8,905	6,767	8,016
Below Normal (6%)	5,300	6,623	5,754	9,319	12,585	11,557	6,374	5,011	6,131	7,018	5,652	5,059
Dry (13%)	4,384	5,898	6,100	6,348	7,385	11,068	6,610	6,483	5,539	7,525	6,094	3,777
Critical (25%)	4,079	4,645	5,203	6,190	4,642	6,220	4,997	4,095	4,351	5,837	4,015	3,194

Alternative 9 (LLT) minus Existing Condition

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	**-551**	**-2,714**	2,790	3,750	3,660	2,932	677	**-2,114**	3	989	750	6,485
20%	1,179	**-2,851**	**-2,061**	4,960	3,745	3,210	162	672	1,516	1,545	1,204	5,668
30%	1,493	1,922	**-152**	602	2,031	308	**-330**	580	1,354	1,229	1,507	3,793
40%	1,340	1,877	136	186	**-2,185**	**-2,129**	356	609	1,371	585	1,392	1,213
50%	1,012	911	291	**-446**	**-864**	**-879**	79	1,018	1,466	334	1,427	604
60%	807	733	471	**-265**	279	**-2,200**	509	804	1,704	196	1,069	455
70%	888	685	878	65	**-227**	**-1,241**	649	1,341	1,292	**-13**	689	446
80%	929	737	744	0	**-486**	**-422**	704	834	1,810	108	421	1,074
90%	984	968	945	464	682	581	1,136	1,190	1,549	**-219**	843	1,093
Long Term												
Full Simulation Period[a]	633	384	996	994	1,165	321	705	152	533	440	982	2,255
Water Year Types[b]												
Wet (31%)	168	**-878**	3,003	2,403	3,301	1,569	1,804	**-2,409**	**-1,820**	**-382**	1,316	5,257
Above Normal (25%)	383	318	153	3,271	4,060	1,705	**-1,131**	**-1,078**	710	2,835	2,264	3,862
Below Normal (6%)	925	3,127	2,172	6	**-2,185**	**-1,281**	356	**-1,236**	1,516	**-194**	388	1,636
Dry (13%)	1,089	64	**-131**	**-123**	**-138**	**-970**	566	2,028	1,318	634	416	252
Critical (25%)	681	1,128	394	48	9	122	742	1,471	1,519	112	772	937

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-25-14. Sutter and Steamboat Slough, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	5,017	12,304	31,638	30,994	35,732	33,080	22,071	8,900	5,667	9,754	5,817	10,800
20%	4,568	9,343	8,517	26,981	34,045	28,088	10,393	6,159	5,342	9,255	5,617	9,020
30%	4,177	6,726	8,106	18,353	20,476	21,847	7,564	5,323	4,601	8,835	5,438	6,743
40%	3,957	5,327	6,829	10,107	12,770	15,009	5,911	4,709	4,345	8,156	5,192	3,717
50%	3,827	4,794	6,601	9,489	10,091	12,418	5,379	4,339	4,146	7,523	4,679	3,036
60%	3,743	3,471	5,569	7,997	6,879	10,291	5,288	3,746	3,899	6,680	4,525	2,759
70%	3,524	3,136	5,111	6,764	5,090	7,295	4,839	3,592	3,770	6,407	3,075	2,399
80%	2,889	2,735	3,749	5,617	4,376	5,387	4,637	3,200	3,371	5,083	2,731	2,301
90%	2,443	2,535	2,789	4,841	3,371	4,186	4,025	2,530	2,902	4,220	2,672	2,194
Long Term												
Full Simulation Period[a]	3,890	6,712	10,990	14,157	15,647	16,179	9,595	5,510	4,687	7,207	4,393	5,121
Water Year Types[b]												
Wet (31%)	4,827	13,357	27,600	24,283	31,855	30,161	19,964	9,382	6,960	7,839	5,229	10,606
Above Normal (25%)	2,888	3,730	7,666	29,745	29,486	25,004	10,587	5,434	4,727	8,962	5,474	6,743
Below Normal (6%)	4,568	5,327	5,252	9,838	12,770	11,892	5,911	4,326	5,342	6,283	4,589	3,717
Dry (13%)	3,778	5,728	5,855	6,382	7,603	11,533	6,008	5,016	4,180	8,118	5,133	2,801
Critical (25%)	3,497	3,651	4,287	6,905	4,154	6,037	4,511	3,076	3,127	5,455	2,661	2,219

Alternative 1A,1B,1C (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,054	9,059	26,414	25,130	31,021	28,641	17,424	7,088	6,275	8,374	4,961	4,362
20%	7,509	8,913	8,862	19,850	28,136	22,566	8,672	6,056	6,135	7,885	4,478	4,095
30%	5,685	6,212	7,990	15,033	13,822	17,287	6,906	5,610	5,490	7,069	4,056	3,695
40%	5,134	3,845	7,595	9,153	9,019	9,642	6,392	5,368	5,230	5,619	3,904	3,542
50%	3,951	3,721	6,953	8,387	8,346	8,544	5,802	4,803	4,889	5,511	3,625	3,408
60%	3,738	3,693	6,363	7,723	6,671	8,052	5,770	4,679	4,628	5,138	3,523	3,385
70%	3,577	3,628	6,079	6,448	5,877	6,951	5,511	4,597	4,350	4,760	3,451	3,308
80%	3,130	3,610	4,732	5,739	5,242	6,055	5,216	3,930	3,805	4,068	3,376	3,167
90%	2,981	3,269	3,888	4,593	4,716	4,721	4,980	3,058	3,625	3,897	3,307	3,108
Long Term												
Full Simulation Period[a]	5,281	6,032	10,636	11,996	13,644	13,732	8,939	5,535	5,062	6,078	4,101	3,611
Water Year Types[b]												
Wet (31%)	4,363	12,187	24,156	19,728	26,642	25,889	17,545	8,002	6,377	6,739	3,665	3,668
Above Normal (25%)	5,233	3,346	7,845	23,266	24,534	20,142	7,762	5,038	5,265	6,545	3,817	3,477
Below Normal (6%)	9,803	3,845	5,906	9,153	9,019	8,052	5,800	4,679	5,135	3,831	3,398	3,343
Dry (13%)	3,814	4,829	6,624	7,221	6,804	9,736	6,542	5,776	5,210	7,409	5,571	3,804
Critical (25%)	6,304	3,583	5,092	5,690	5,286	5,774	5,071	3,740	3,797	4,747	3,526	3,518

Alternative 1A,1B,1C (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4,036	-3,245	-5,225	-5,865	-4,711	-4,440	-4,647	-1,812	608	-1,380	-856	-6,438
20%	2,942	-429	345	-7,131	-5,909	-5,523	-1,721	-103	793	-1,370	-1,139	-4,925
30%	1,508	-514	-115	-3,320	-6,653	-4,560	-658	288	889	-1,766	-1,382	-3,048
40%	1,177	-1,482	766	-954	-3,751	-5,367	481	660	886	-2,536	-1,288	-175
50%	124	-1,073	352	-1,102	-1,745	-3,874	422	464	742	-2,012	-1,054	372
60%	-5	223	794	-274	-208	-2,239	482	933	730	-1,543	-1,002	627
70%	53	491	968	-316	787	-344	672	1,004	580	-1,647	376	910
80%	241	874	983	122	867	668	579	730	434	-1,015	645	866
90%	539	734	1,099	-248	1,345	535	954	528	723	-323	634	915
Long Term												
Full Simulation Period[a]	1,390	-679	-354	-2,161	-2,003	-2,447	-656	25	375	-1,128	-293	-1,510
Water Year Types[b]												
Wet (31%)	-464	-1,170	-3,444	-4,555	-5,213	-4,272	-2,419	-1,380	-584	-1,100	-1,564	-6,939
Above Normal (25%)	2,344	-384	179	-6,479	-4,952	-4,863	-2,826	-396	538	-2,417	-1,656	-3,266
Below Normal (6%)	5,236	-1,482	655	-684	-3,751	-3,840	-110	353	-207	-2,451	-1,192	-374
Dry (13%)	36	-899	768	839	-799	-1,796	534	760	1,029	-709	439	1,003
Critical (25%)	2,807	-68	804	-1,215	1,131	-262	561	664	670	-707	865	1,299

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-25-15. Sutter and Steamboat Slough, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	5,017	12,304	31,638	30,994	35,732	33,080	22,071	8,900	5,667	9,754	5,817	10,800
20%	4,568	9,343	8,517	26,981	34,045	28,088	10,393	6,159	5,342	9,255	5,617	9,020
30%	4,177	6,726	8,106	18,353	20,476	21,847	7,564	5,323	4,601	8,835	5,438	6,743
40%	3,957	5,327	6,829	10,107	12,770	15,009	5,911	4,709	4,345	8,156	5,192	3,717
50%	3,827	4,794	6,601	9,489	10,091	12,418	5,379	4,339	4,146	7,523	4,679	3,036
60%	3,743	3,471	5,569	7,997	6,879	10,291	5,288	3,746	3,899	6,680	4,525	2,759
70%	3,524	3,136	5,111	6,764	5,090	7,295	4,839	3,592	3,770	6,407	3,075	2,399
80%	2,889	2,735	3,749	5,617	4,376	5,387	4,637	3,200	3,371	5,083	2,731	2,301
90%	2,443	2,535	2,789	4,841	3,371	4,186	4,025	2,530	2,902	4,220	2,672	2,194
Long Term												
Full Simulation Period[a]	3,890	6,712	10,990	14,157	15,647	16,179	9,595	5,510	4,687	7,207	4,393	5,121
Water Year Types[b]												
Wet (31%)	4,827	13,357	27,600	24,283	31,855	30,161	19,964	9,382	6,960	7,839	5,229	10,606
Above Normal (25%)	2,888	3,730	7,666	29,745	29,486	25,004	10,587	5,434	4,727	8,962	5,474	6,743
Below Normal (6%)	4,568	5,327	5,252	9,838	12,770	11,892	5,911	4,326	5,342	6,283	4,589	3,717
Dry (13%)	3,778	5,728	5,855	6,382	7,603	11,533	6,008	5,016	4,180	8,118	5,133	2,801
Critical (25%)	3,497	3,651	4,287	6,905	4,154	6,037	4,511	3,076	3,127	5,455	2,661	2,219

Alternative 2A,2B,2C (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	5,363	9,006	26,155	25,335	30,501	28,591	17,915	7,437	6,377	8,960	5,463	8,390
20%	5,042	8,930	8,217	20,530	28,723	22,981	9,001	6,341	6,123	7,593	4,791	7,268
30%	4,487	5,481	7,988	14,674	13,966	16,088	6,174	5,644	5,628	7,435	4,287	5,520
40%	4,130	3,880	7,181	8,959	9,267	9,887	5,864	5,301	5,303	7,258	4,153	5,138
50%	4,119	3,791	6,735	8,024	8,454	8,846	5,599	5,022	4,954	6,424	3,715	4,320
60%	3,906	3,690	6,019	7,533	6,618	8,353	5,248	4,533	4,565	5,700	3,656	3,438
70%	3,832	3,684	5,738	6,761	5,521	6,472	5,101	4,050	4,247	4,701	3,598	3,320
80%	3,423	3,651	5,566	5,779	5,071	5,626	5,006	3,842	3,824	4,228	3,467	3,151
90%	2,618	3,331	4,408	5,157	3,703	4,851	4,792	3,065	3,745	3,945	3,319	3,113
Long Term												
Full Simulation Period[a]	4,170	5,920	10,579	12,114	13,383	13,537	8,777	5,564	5,154	6,431	4,161	5,034
Water Year Types[b]												
Wet (31%)	4,309	10,669	24,124	19,820	26,835	25,731	17,562	7,838	6,578	6,973	3,918	8,311
Above Normal (25%)	4,690	3,378	7,682	23,259	23,629	20,434	7,478	5,104	4,671	8,716	4,826	5,520
Below Normal (6%)	3,906	3,848	5,566	9,144	9,267	8,420	5,864	4,533	5,741	3,862	3,467	3,327
Dry (13%)	3,629	5,323	6,315	6,149	6,856	8,783	6,298	6,005	5,396	7,241	5,000	3,894
Critical (25%)	4,336	4,030	5,316	6,858	4,568	5,850	4,834	3,784	3,896	4,948	3,557	3,471

Alternative 2A,2B,2C (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	346	-3,299	-5,483	-5,659	-5,232	-4,489	-4,156	-1,463	710	-795	-354	-2,410
20%	475	-412	-300	-6,451	-5,322	-5,107	-1,393	182	781	-1,662	-825	-1,752
30%	310	-1,245	-117	-3,679	-6,510	-5,759	-1,390	321	1,027	-1,400	-1,151	-1,223
40%	173	-1,447	352	-1,148	-3,503	-5,122	-47	593	959	-898	-1,039	1,421
50%	292	-1,003	135	-1,465	-1,637	-3,572	219	684	808	-1,099	-964	1,284
60%	163	219	449	-464	-262	-1,939	-39	787	666	-980	-869	679
70%	308	547	628	-4	430	-823	263	458	477	-1,706	522	921
80%	534	916	1,817	162	695	239	369	642	453	-855	735	850
90%	175	796	1,619	316	331	665	767	536	842	-275	646	919
Long Term												
Full Simulation Period[a]	279	-791	-411	-2,043	-2,264	-2,641	-818	54	466	-776	-232	-87
Water Year Types[b]												
Wet (31%)	-518	-2,688	-3,476	-4,463	-5,020	-4,430	-2,401	-1,544	-382	-866	-1,311	-2,295
Above Normal (25%)	1,802	-352	16	-6,486	-5,857	-4,570	-3,109	-330	-56	-247	-648	-1,223
Below Normal (6%)	-662	-1,480	314	-694	-3,503	-3,472	-47	207	399	-2,421	-1,123	-391
Dry (13%)	-148	-406	459	-233	-747	-2,750	289	989	1,215	-877	-132	1,093
Critical (25%)	839	379	1,028	-47	413	-186	324	708	768	-506	896	1,252

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-25-16. Sutter and Steamboat Slough, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	5,017	12,304	31,638	30,994	35,732	33,080	22,071	8,900	5,667	9,754	5,817	10,800
20%	4,568	9,343	8,517	26,981	34,045	28,088	10,393	6,159	5,342	9,255	5,617	9,020
30%	4,177	6,726	8,106	18,353	20,476	21,847	7,564	5,323	4,601	8,835	5,438	6,743
40%	3,957	5,327	6,829	10,107	12,770	15,009	5,911	4,709	4,345	8,156	5,192	3,717
50%	3,827	4,794	6,601	9,489	10,091	12,418	5,379	4,339	4,146	7,523	4,679	3,036
60%	3,743	3,471	5,569	7,997	6,879	10,291	5,288	3,746	3,899	6,680	4,525	2,759
70%	3,524	3,136	5,111	6,764	5,090	7,295	4,839	3,592	3,770	6,407	3,075	2,399
80%	2,889	2,735	3,749	5,617	4,376	5,387	4,637	3,200	3,371	5,083	2,731	2,301
90%	2,443	2,535	2,789	4,841	3,371	4,186	4,025	2,530	2,902	4,220	2,672	2,194
Long Term												
Full Simulation Period[a]	3,890	6,712	10,990	14,157	15,647	16,179	9,595	5,510	4,687	7,207	4,393	5,121
Water Year Types[b]												
Wet (31%)	4,827	13,357	27,600	24,283	31,855	30,161	19,964	9,382	6,960	7,839	5,229	10,606
Above Normal (25%)	2,888	3,730	7,666	29,745	29,486	25,004	10,587	5,434	4,727	8,962	5,474	6,743
Below Normal (6%)	4,568	5,327	5,252	9,838	12,770	11,892	5,911	4,326	5,342	6,283	4,589	3,717
Dry (13%)	3,778	5,728	5,855	6,382	7,603	11,533	6,008	5,016	4,180	8,118	5,133	2,801
Critical (25%)	3,497	3,651	4,287	6,905	4,154	6,037	4,511	3,076	3,127	5,455	2,661	2,219

Alternative 3 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,068	11,790	30,215	27,480	33,280	30,619	19,041	8,804	7,594	8,706	5,146	4,413
20%	7,767	8,849	9,016	24,023	31,088	24,612	9,351	6,141	6,135	8,195	4,430	4,288
30%	6,202	4,327	8,196	15,634	16,680	18,352	7,094	5,605	5,236	6,958	4,271	3,977
40%	5,173	3,890	7,023	9,311	10,384	10,537	6,224	5,300	5,124	6,265	3,812	3,799
50%	4,432	3,781	6,961	8,867	8,732	9,883	5,758	4,826	4,858	5,331	3,616	3,456
60%	3,865	3,719	6,358	7,557	6,767	8,520	5,660	4,701	4,600	4,904	3,509	3,382
70%	3,753	3,702	6,005	5,994	5,850	7,302	5,430	4,636	4,242	4,810	3,453	3,307
80%	3,131	3,655	4,483	5,868	5,079	6,159	5,214	3,928	4,057	4,531	3,382	3,232
90%	2,975	3,562	3,934	5,421	4,147	4,728	4,964	3,064	3,611	3,876	3,295	3,129
Long Term												
Full Simulation Period[a]	5,476	6,334	11,193	12,945	14,480	14,533	9,363	5,850	5,319	6,162	4,022	3,754
Water Year Types[b]												
Wet (31%)	4,503	13,030	26,529	21,211	28,946	27,268	18,757	8,876	7,293	6,715	3,629	4,107
Above Normal (25%)	6,137	3,742	7,587	26,687	26,527	21,164	8,732	5,044	5,661	6,830	3,946	3,620
Below Normal (6%)	7,767	3,773	5,868	9,311	10,384	9,293	5,787	4,701	5,124	3,776	3,372	3,342
Dry (13%)	3,757	5,010	6,666	6,996	7,202	10,528	6,640	6,126	5,045	7,581	5,098	3,722
Critical (25%)	6,907	3,585	5,052	6,320	4,729	5,946	4,995	3,760	3,863	4,795	3,635	3,635

Alternative 3 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4,051	-515	-1,423	-3,514	-2,453	-2,462	-3,030	-96	1,927	-1,049	-670	-6,387
20%	3,200	-493	499	-2,958	-2,957	-3,477	-1,042	-19	793	-1,061	-1,187	-4,733
30%	2,025	-2,400	90	-2,719	-3,796	-3,496	-470	282	635	-1,877	-1,167	-2,767
40%	1,216	-1,437	194	-796	-2,385	-4,472	313	591	779	-1,891	-1,381	82
50%	605	-1,013	360	-622	-1,359	-2,535	379	487	711	-2,192	-1,063	420
60%	121	248	789	-440	-113	-1,771	372	955	701	-1,776	-1,017	623
70%	229	565	895	-770	759	8	591	1,044	472	-1,597	378	908
80%	242	920	734	252	703	772	578	728	686	-552	651	931
90%	532	1,027	1,145	580	775	541	938	534	709	-343	622	935
Long Term												
Full Simulation Period[a]	1,585	-378	202	-1,212	-1,167	-1,645	-232	340	632	-1,045	-372	-1,366
Water Year Types[b]												
Wet (31%)	-324	-327	-1,071	-3,072	-2,909	-2,892	-1,207	-506	332	-1,123	-1,599	-6,499
Above Normal (25%)	3,248	13	-79	-3,058	-2,959	-3,840	-1,856	-390	934	-2,133	-1,528	-3,123
Below Normal (6%)	3,200	-1,554	616	-526	-2,385	-2,599	-123	375	-218	-2,506	-1,218	-375
Dry (13%)	-21	-718	811	614	-401	-1,005	632	1,110	864	-537	-35	920
Critical (25%)	3,409	-67	764	-585	575	-91	484	684	736	-660	973	1,415

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-25-17. Sutter and Steamboat Slough, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	5,017	12,304	31,638	30,994	35,732	33,080	22,071	8,900	5,667	9,754	5,817	10,800
20%	4,568	9,343	8,517	26,981	34,045	28,088	10,393	6,159	5,342	9,255	5,617	9,020
30%	4,177	6,726	8,106	18,353	20,476	21,847	7,564	5,323	4,601	8,835	5,438	6,743
40%	3,957	5,327	6,829	10,107	12,770	15,009	5,911	4,709	4,345	8,156	5,192	3,717
50%	3,827	4,794	6,601	9,489	10,091	12,418	5,379	4,339	4,146	7,523	4,679	3,036
60%	3,743	3,471	5,569	7,997	6,879	10,291	5,288	3,746	3,899	6,680	4,525	2,759
70%	3,524	3,136	5,111	6,764	5,090	7,295	4,839	3,592	3,770	6,407	3,075	2,399
80%	2,889	2,735	3,749	5,617	4,376	5,387	4,637	3,200	3,371	5,083	2,731	2,301
90%	2,443	2,535	2,789	4,841	3,371	4,186	4,025	2,530	2,902	4,220	2,672	2,194
Long Term												
Full Simulation Period[a]	3,890	6,712	10,990	14,157	15,647	16,179	9,595	5,510	4,687	7,207	4,393	5,121
Water Year Types[b]												
Wet (31%)	4,827	13,357	27,600	24,283	31,855	30,161	19,964	9,382	6,960	7,839	5,229	10,606
Above Normal (25%)	2,888	3,730	7,666	29,745	29,486	25,004	10,587	5,434	4,727	8,962	5,474	6,743
Below Normal (6%)	4,568	5,327	5,252	9,838	12,770	11,892	5,911	4,326	5,342	6,283	4,589	3,717
Dry (13%)	3,778	5,728	5,855	6,382	7,603	11,533	6,008	5,016	4,180	8,118	5,133	2,801
Critical (25%)	3,497	3,651	4,287	6,905	4,154	6,037	4,511	3,076	3,127	5,455	2,661	2,219

Alternative 4 H1 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	5,654	11,168	28,620	26,031	32,141	28,931	17,619	7,764	5,747	10,150	5,827	4,820
20%	5,102	8,565	8,968	22,463	29,478	23,039	9,062	6,343	5,578	7,987	5,046	4,517
30%	4,825	3,744	8,030	14,654	15,012	18,042	6,064	5,585	5,407	7,630	4,562	3,996
40%	4,446	3,686	7,352	9,220	9,780	10,058	5,750	5,206	5,386	7,434	4,116	3,558
50%	3,939	3,680	7,081	8,756	8,359	8,851	5,619	4,678	4,835	5,987	4,069	3,403
60%	3,725	3,648	6,330	8,416	6,670	8,308	5,302	4,499	4,704	5,032	3,651	3,382
70%	3,489	3,628	5,414	7,595	5,434	6,347	5,203	4,050	4,202	4,837	3,558	3,350
80%	3,187	3,613	5,211	7,291	5,074	5,598	4,969	3,827	3,783	4,194	3,401	3,257
90%	2,801	3,342	4,331	5,542	4,074	4,818	4,724	3,041	3,605	3,865	3,314	3,212
Long Term												
Full Simulation Period[a]	4,160	5,979	10,938	12,763	13,872	13,864	8,750	5,513	4,975	6,552	4,375	3,841
Water Year Types[b]												
Wet (31%)	3,892	12,085	25,337	20,101	27,671	26,066	17,532	7,913	6,241	7,516	4,219	3,763
Above Normal (25%)	4,343	3,348	7,677	25,569	25,250	20,336	7,406	4,973	4,445	8,923	4,799	3,662
Below Normal (6%)	5,702	3,743	5,494	9,220	9,780	8,661	5,768	4,499	5,386	3,719	3,401	3,352
Dry (13%)	3,418	4,894	6,412	6,544	6,816	9,781	6,300	5,845	5,292	7,549	5,529	4,558
Critical (25%)	4,587	3,464	5,431	7,455	4,745	5,822	4,818	3,748	3,839	4,602	3,602	3,497

Alternative 4 H1 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	636	-1,136	-3,019	-4,964	-3,591	-4,150	-4,452	-1,136	80	396	11	-5,980
20%	534	-777	451	-4,518	-4,567	-5,049	-1,331	183	236	-1,269	-571	-4,504
30%	649	-2,982	-76	-3,698	-5,464	-3,805	-1,500	263	806	-1,204	-876	-2,748
40%	489	-1,642	522	-887	-2,990	-4,950	-161	498	1,041	-722	-1,076	-159
50%	111	-1,114	480	-732	-1,732	-3,567	240	339	689	-1,536	-610	367
60%	-18	177	760	420	-209	-1,984	14	753	805	-1,648	-875	623
70%	-35	492	303	831	343	-947	365	458	432	-1,570	482	951
80%	298	877	1,462	1,674	698	211	332	627	412	-889	669	956
90%	359	807	1,542	701	702	632	699	511	703	-355	642	1,018
Long Term												
Full Simulation Period[a]	270	-732	-53	-1,394	-1,775	-2,314	-846	3	288	-654	-18	-1,280
Water Year Types[b]												
Wet (31%)	-935	-1,272	-2,263	-4,183	-4,184	-4,094	-2,432	-1,470	-719	-322	-1,010	-6,843
Above Normal (25%)	1,455	-382	11	-4,176	-4,236	-4,668	-3,181	-461	-282	-39	-675	-3,081
Below Normal (6%)	1,134	-1,585	242	-617	-2,990	-3,231	-143	173	44	-2,564	-1,189	-365
Dry (13%)	-360	-835	556	162	-787	-1,752	291	830	1,112	-569	397	1,757
Critical (25%)	1,090	-187	1,144	550	590	-215	308	672	712	-853	941	1,278

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-25-18. Sutter and Steamboat Slough, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	5,017	12,304	31,638	30,994	35,732	33,080	22,071	8,900	5,667	9,754	5,817	10,800
20%	4,568	9,343	8,517	26,981	34,045	28,088	10,393	6,159	5,342	9,255	5,617	9,020
30%	4,177	6,726	8,106	18,353	20,476	21,847	7,564	5,323	4,601	8,835	5,438	6,743
40%	3,957	5,327	6,829	10,107	12,770	15,009	5,911	4,709	4,345	8,156	5,192	3,717
50%	3,827	4,794	6,601	9,489	10,091	12,418	5,379	4,339	4,146	7,523	4,679	3,036
60%	3,743	3,471	5,569	7,997	6,879	10,291	5,288	3,746	3,899	6,680	4,525	2,759
70%	3,524	3,136	5,111	6,764	5,090	7,295	4,839	3,592	3,770	6,407	3,075	2,399
80%	2,889	2,735	3,749	5,617	4,376	5,387	4,637	3,200	3,371	5,083	2,731	2,301
90%	2,443	2,535	2,789	4,841	3,371	4,186	4,025	2,530	2,902	4,220	2,672	2,194
Long Term												
Full Simulation Period[a]	3,890	6,712	10,990	14,157	15,647	16,179	9,595	5,510	4,687	7,207	4,393	5,121
Water Year Types[b]												
Wet (31%)	4,827	13,357	27,600	24,283	31,855	30,161	19,964	9,382	6,960	7,839	5,229	10,606
Above Normal (25%)	2,888	3,730	7,666	29,745	29,486	25,004	10,587	5,434	4,727	8,962	5,474	6,743
Below Normal (6%)	4,568	5,327	5,252	9,838	12,770	11,892	5,911	4,326	5,342	6,283	4,589	3,717
Dry (13%)	3,778	5,728	5,855	6,382	7,603	11,533	6,008	5,016	4,180	8,118	5,133	2,801
Critical (25%)	3,497	3,651	4,287	6,905	4,154	6,037	4,511	3,076	3,127	5,455	2,661	2,219

Alternative 4 H2 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	6,665	11,577	29,155	26,062	32,204	28,955	19,387	8,098	5,717	7,035	5,516	4,379
20%	5,942	9,024	9,273	22,340	29,480	23,056	11,083	7,482	5,198	6,736	5,034	4,214
30%	4,319	3,745	8,097	14,484	15,276	18,774	9,253	6,600	4,886	6,225	4,588	3,925
40%	4,065	3,727	7,932	8,427	10,259	10,096	6,773	5,939	4,731	5,813	4,026	3,540
50%	3,922	3,704	6,474	8,107	8,430	9,303	5,551	5,110	4,301	5,359	3,960	3,441
60%	3,824	3,660	5,028	7,835	6,434	8,299	5,250	4,705	4,204	4,916	3,733	3,405
70%	3,597	3,650	4,432	7,490	5,413	6,661	5,162	4,158	3,976	4,270	3,588	3,376
80%	3,138	3,576	4,240	6,102	5,050	5,596	4,880	3,650	3,693	4,058	3,400	3,354
90%	3,021	3,247	3,805	5,641	3,809	4,689	4,642	3,010	3,594	3,773	3,333	3,158
Long Term												
Full Simulation Period[a]	4,332	6,071	10,670	12,677	13,840	14,025	9,583	5,871	4,688	5,436	4,248	3,688
Water Year Types[b]												
Wet (31%)	4,095	12,274	25,611	20,054	27,442	26,012	19,365	8,630	5,766	5,777	4,183	3,799
Above Normal (25%)	4,646	3,287	8,054	26,129	25,536	20,575	11,037	6,738	4,297	5,172	4,606	3,441
Below Normal (6%)	3,390	3,738	4,395	9,169	10,367	9,514	5,800	4,705	5,594	3,822	3,400	3,363
Dry (13%)	3,475	4,972	6,010	6,253	6,792	10,021	6,129	5,644	4,817	6,586	5,030	3,695
Critical (25%)	5,269	3,567	4,745	7,236	4,612	5,922	4,695	3,732	3,699	4,671	3,701	3,758

Alternative 4 H2 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,647	-728	-2,483	-4,932	-3,528	-4,125	-2,684	-802	50	-2,720	-301	-6,421
20%	1,375	-319	756	-4,641	-4,565	-5,032	690	1,322	-144	-2,519	-583	-4,806
30%	142	-2,982	-9	-3,868	-5,199	-3,074	1,689	1,277	285	-2,610	-850	-2,819
40%	108	-1,601	1,103	-1,680	-2,511	-4,913	862	1,231	387	-2,343	-1,166	-177
50%	95	-1,090	-127	-1,382	-1,661	-3,114	171	772	155	-2,164	-719	405
60%	80	189	-541	-161	-445	-1,992	-38	960	305	-1,764	-792	646
70%	73	514	-679	726	322	-634	323	566	206	-2,138	513	977
80%	249	840	491	485	674	209	243	450	322	-1,026	669	1,053
90%	578	711	1,016	800	438	502	617	480	692	-446	660	964
Long Term												
Full Simulation Period[a]	441	-641	-320	-1,480	-1,807	-2,153	-12	361	1	-1,771	-145	-1,432
Water Year Types[b]												
Wet (31%)	-732	-1,082	-1,989	-4,229	-4,413	-4,149	-599	-753	-1,195	-2,061	-1,046	-6,807
Above Normal (25%)	1,758	-443	388	-3,616	-3,950	-4,429	450	1,304	-430	-3,791	-868	-3,302
Below Normal (6%)	-1,177	-1,590	-857	-668	-2,402	-2,378	-111	380	252	-2,461	-1,189	-355
Dry (13%)	-303	-757	155	-129	-811	-1,512	121	628	636	-1,532	-103	894
Critical (25%)	1,772	-84	458	331	458	-114	185	656	572	-783	1,040	1,539

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-25-19. Sutter and Steamboat Slough, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	5,017	12,304	31,638	30,994	35,732	33,080	22,071	8,900	5,667	9,754	5,817	10,800
20%	4,568	9,343	8,517	26,981	34,045	28,088	10,393	6,159	5,342	9,255	5,617	9,020
30%	4,177	6,726	8,106	18,353	20,476	21,847	7,564	5,323	4,601	8,835	5,438	6,743
40%	3,957	5,327	6,829	10,107	12,770	15,009	5,911	4,709	4,345	8,156	5,192	3,717
50%	3,827	4,794	6,601	9,489	10,091	12,418	5,379	4,339	4,146	7,523	4,679	3,036
60%	3,743	3,471	5,569	7,997	6,879	10,291	5,288	3,746	3,899	6,680	4,525	2,759
70%	3,524	3,136	5,111	6,764	5,090	7,295	4,839	3,592	3,770	6,407	3,075	2,399
80%	2,889	2,735	3,749	5,617	4,376	5,387	4,637	3,200	3,371	5,083	2,731	2,301
90%	2,443	2,535	2,789	4,841	3,371	4,186	4,025	2,530	2,902	4,220	2,672	2,194
Long Term												
Full Simulation Period[a]	3,890	6,712	10,990	14,157	15,647	16,179	9,595	5,510	4,687	7,207	4,393	5,121
Water Year Types[b]												
Wet (31%)	4,827	13,357	27,600	24,283	31,855	30,161	19,964	9,382	6,960	7,839	5,229	10,606
Above Normal (25%)	2,888	3,730	7,666	29,745	29,486	25,004	10,587	5,434	4,727	8,962	5,474	6,743
Below Normal (6%)	4,568	5,327	5,252	9,838	12,770	11,892	5,911	4,326	5,342	6,283	4,589	3,717
Dry (13%)	3,778	5,728	5,855	6,382	7,603	11,533	6,008	5,016	4,180	8,118	5,133	2,801
Critical (25%)	3,497	3,651	4,287	6,905	4,154	6,037	4,511	3,076	3,127	5,455	2,661	2,219

Alternative 4 H3 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4,954	11,229	27,902	25,932	31,560	28,877	17,612	7,734	5,794	10,160	5,786	8,145
20%	4,338	8,803	8,220	22,263	29,478	23,039	9,065	6,315	5,620	7,883	5,076	7,095
30%	4,078	5,428	8,025	14,971	15,044	16,742	6,073	5,588	5,530	7,526	4,529	5,305
40%	3,982	3,856	7,845	9,149	9,809	10,072	5,766	5,218	5,387	7,268	4,043	5,129
50%	3,827	3,747	7,205	8,622	8,421	8,853	5,320	4,948	4,772	5,609	3,703	4,504
60%	3,710	3,680	6,011	7,624	6,653	8,298	5,162	4,502	4,546	5,358	3,587	4,167
70%	3,467	3,635	5,700	6,709	5,508	6,406	5,029	4,036	4,181	4,601	3,522	3,385
80%	3,332	3,597	5,360	5,745	5,049	5,598	4,969	3,829	3,763	4,253	3,469	3,164
90%	2,915	3,322	3,926	5,140	3,748	4,816	4,766	3,050	3,585	3,832	3,383	3,077
Long Term												
Full Simulation Period[a]	4,007	6,161	10,830	12,473	13,708	13,615	8,742	5,549	4,974	6,460	4,235	5,019
Water Year Types[b]												
Wet (31%)	3,910	11,852	25,024	20,034	27,448	25,685	17,740	7,910	6,229	7,435	4,253	8,067
Above Normal (25%)	5,136	3,349	8,025	25,070	24,698	20,315	7,429	5,019	4,471	8,908	4,841	5,253
Below Normal (6%)	3,830	3,807	4,307	9,149	9,809	8,668	5,766	4,502	5,658	3,738	3,469	3,314
Dry (13%)	3,573	5,262	6,316	6,173	6,846	9,130	6,199	5,942	5,276	7,403	5,020	4,213
Critical (25%)	4,017	3,923	5,514	7,091	4,590	5,857	4,700	3,769	3,791	4,492	3,503	3,472

Alternative 4 H3 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-64	-1,075	-3,736	-5,063	-4,173	-4,204	-4,459	-1,166	127	406	-30	-2,655
20%	-229	-539	-297	-4,718	-4,567	-5,049	-1,328	156	278	-1,373	-541	-1,925
30%	-99	-1,298	-81	-3,381	-5,432	-5,105	-1,492	265	929	-1,309	-909	-1,438
40%	25	-1,472	1,016	-958	-2,960	-4,937	-145	509	1,042	-888	-1,150	1,412
50%	0	-1,047	604	-867	-1,670	-3,565	-60	610	625	-1,914	-976	1,468
60%	-33	210	441	-373	-226	-1,993	-126	756	647	-1,323	-938	1,408
70%	-56	499	589	-56	418	-889	191	444	411	-1,807	446	987
80%	443	861	1,611	128	674	211	332	629	392	-830	737	863
90%	472	787	1,137	299	377	630	741	521	683	-388	711	883
Long Term												
Full Simulation Period[a]	117	-551	-160	-1,684	-1,939	-2,563	-853	39	286	-746	-158	-102
Water Year Types[b]												
Wet (31%)	-916	-1,504	-2,576	-4,249	-4,407	-4,475	-2,224	-1,472	-732	-404	-975	-2,540
Above Normal (25%)	2,248	-381	359	-4,675	-4,789	-4,689	-3,158	-415	-256	-54	-633	-1,491
Below Normal (6%)	-738	-1,520	-944	-688	-2,960	-3,224	-145	176	316	-2,545	-1,121	-404
Dry (13%)	-205	-467	460	-209	-757	-2,402	191	927	1,096	-715	-113	1,412
Critical (25%)	520	272	1,227	186	435	-180	190	693	664	-963	841	1,253

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-25-20. Sutter and Steamboat Slough, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	5,017	12,304	31,638	30,994	35,732	33,080	22,071	8,900	5,667	9,754	5,817	10,800
20%	4,568	9,343	8,517	26,981	34,045	28,088	10,393	6,159	5,342	9,255	5,617	9,020
30%	4,177	6,726	8,106	18,353	20,476	21,847	7,564	5,323	4,601	8,835	5,438	6,743
40%	3,957	5,327	6,829	10,107	12,770	15,009	5,911	4,709	4,345	8,156	5,192	3,717
50%	3,827	4,794	6,601	9,489	10,091	12,418	5,379	4,339	4,146	7,523	4,679	3,036
60%	3,743	3,471	5,569	7,997	6,879	10,291	5,288	3,746	3,899	6,680	4,525	2,759
70%	3,524	3,136	5,111	6,764	5,090	7,295	4,839	3,592	3,770	6,407	3,075	2,399
80%	2,889	2,735	3,749	5,617	4,376	5,387	4,637	3,200	3,371	5,083	2,731	2,301
90%	2,443	2,535	2,789	4,841	3,371	4,186	4,025	2,530	2,902	4,220	2,672	2,194
Long Term												
Full Simulation Period[a]	3,890	6,712	10,990	14,157	15,647	16,179	9,595	5,510	4,687	7,207	4,393	5,121
Water Year Types[b]												
Wet (31%)	4,827	13,357	27,600	24,283	31,855	30,161	19,964	9,382	6,960	7,839	5,229	10,606
Above Normal (25%)	2,888	3,730	7,666	29,745	29,486	25,004	10,587	5,434	4,727	8,962	5,474	6,743
Below Normal (6%)	4,568	5,327	5,252	9,838	12,770	11,892	5,911	4,326	5,342	6,283	4,589	3,717
Dry (13%)	3,778	5,728	5,855	6,382	7,603	11,533	6,008	5,016	4,180	8,118	5,133	2,801
Critical (25%)	3,497	3,651	4,287	6,905	4,154	6,037	4,511	3,076	3,127	5,455	2,661	2,219

Alternative 4 H4 (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	5,866	10,471	27,997	26,073	31,556	28,982	19,423	8,036	5,640	6,924	5,450	8,108
20%	5,294	8,807	8,226	22,440	29,488	23,058	11,082	7,437	5,137	6,459	5,074	6,714
30%	4,336	5,448	8,062	14,504	15,237	18,304	9,244	6,566	4,832	5,947	4,932	5,263
40%	4,110	3,798	7,734	8,423	10,030	10,078	6,843	5,880	4,677	5,570	4,204	4,580
50%	4,016	3,733	6,459	7,871	8,416	8,888	5,557	5,098	4,303	5,028	4,031	4,041
60%	3,883	3,644	5,728	7,318	6,478	8,300	5,250	4,705	4,214	4,622	3,970	4,022
70%	3,689	3,615	5,160	5,884	5,412	6,409	5,075	4,097	3,978	4,267	3,696	3,686
80%	3,342	3,597	4,485	5,318	5,048	5,599	4,794	3,653	3,794	4,137	3,632	3,608
90%	2,744	3,289	3,945	4,772	3,829	4,655	4,762	3,009	3,581	3,953	3,466	3,320
Long Term												
Full Simulation Period[a]	4,249	6,118	10,609	12,165	13,755	13,823	9,593	5,849	4,671	5,333	4,352	4,984
Water Year Types[b]												
Wet (31%)	4,578	11,623	25,071	20,011	27,446	25,789	19,389	8,578	5,767	5,752	4,317	7,956
Above Normal (25%)	5,023	3,312	7,947	25,926	24,899	20,451	11,080	6,676	4,300	5,174	4,606	5,263
Below Normal (6%)	3,883	3,769	5,238	9,209	10,030	8,684	5,783	4,705	5,440	3,861	3,423	3,393
Dry (13%)	3,574	5,196	5,962	6,182	6,797	9,850	6,020	5,632	4,760	6,094	5,038	3,745
Critical (25%)	4,289	4,044	4,897	5,761	4,657	5,805	4,782	3,736	3,716	4,746	3,914	3,804

Alternative 4 H4 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	849	**-1,833**	**-3,641**	**-4,922**	**-4,176**	**-4,099**	**-2,648**	**-865**	**-27**	**-2,830**	**-367**	**-2,692**
20%	727	**-536**	**-291**	**-4,541**	**-4,557**	**-5,030**	689	1,278	**-205**	**-2,796**	**-542**	**-2,306**
30%	160	**-1,278**	**-43**	**-3,848**	**-5,239**	**-3,543**	1,680	1,244	231	**-2,887**	**-506**	**-1,480**
40%	154	**-1,529**	905	**-1,684**	**-2,739**	**-4,931**	932	1,171	333	**-2,586**	**-988**	863
50%	189	**-1,061**	**-142**	**-1,618**	**-1,675**	**-3,530**	177	760	156	**-2,495**	**-648**	1,005
60%	140	173	159	**-679**	**-401**	**-1,991**	**-38**	959	315	**-2,059**	**-556**	1,263
70%	166	479	49	**-880**	322	**-886**	236	505	208	**-2,140**	621	1,287
80%	453	862	736	**-299**	672	212	157	453	423	**-946**	901	1,307
90%	302	753	1,156	**-69**	458	469	736	479	679	**-266**	794	1,126
Long Term												
Full Simulation Period[a]	358	**-594**	**-381**	**-1,992**	**-1,891**	**-2,355**	**-2**	338	**-17**	**-1,874**	**-42**	**-137**
Water Year Types[b]												
Wet (31%)	**-248**	**-1,734**	**-2,529**	**-4,272**	**-4,410**	**-4,372**	**-575**	**-804**	**-1,193**	**-2,087**	**-912**	**-2,651**
Above Normal (25%)	2,134	**-417**	281	**-3,819**	**-4,587**	**-4,554**	492	1,242	**-427**	**-3,789**	**-868**	**-1,480**
Below Normal (6%)	**-684**	**-1,558**	**-13**	**-628**	**-2,739**	**-3,209**	**-128**	379	98	**-2,422**	**-1,167**	**-324**
Dry (13%)	**-204**	**-532**	107	**-200**	**-806**	**-1,682**	12	617	579	**-2,023**	**-95**	943
Critical (25%)	791	393	609	**-1,144**	503	**-231**	272	661	589	**-709**	1,253	1,585

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-25-21. Sutter and Steamboat Slough, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	5,017	12,304	31,638	30,994	35,732	33,080	22,071	8,900	5,667	9,754	5,817	10,800
20%	4,568	9,343	8,517	26,981	34,045	28,088	10,393	6,159	5,342	9,255	5,617	9,020
30%	4,177	6,726	8,106	18,353	20,476	21,847	7,564	5,323	4,601	8,835	5,438	6,743
40%	3,957	5,327	6,829	10,107	12,770	15,009	5,911	4,709	4,345	8,156	5,192	3,717
50%	3,827	4,794	6,601	9,489	10,091	12,418	5,379	4,339	4,146	7,523	4,679	3,036
60%	3,743	3,471	5,569	7,997	6,879	10,291	5,288	3,746	3,899	6,680	4,525	2,759
70%	3,524	3,136	5,111	6,764	5,090	7,295	4,839	3,592	3,770	6,407	3,075	2,399
80%	2,889	2,735	3,749	5,617	4,376	5,387	4,637	3,200	3,371	5,083	2,731	2,301
90%	2,443	2,535	2,789	4,841	3,371	4,186	4,025	2,530	2,902	4,220	2,672	2,194
Long Term												
Full Simulation Period[a]	3,890	6,712	10,990	14,157	15,647	16,179	9,595	5,510	4,687	7,207	4,393	5,121
Water Year Types[b]												
Wet (31%)	4,827	13,357	27,600	24,283	31,855	30,161	19,964	9,382	6,960	7,839	5,229	10,606
Above Normal (25%)	2,888	3,730	7,666	29,745	29,486	25,004	10,587	5,434	4,727	8,962	5,474	6,743
Below Normal (6%)	4,568	5,327	5,252	9,838	12,770	11,892	5,911	4,326	5,342	6,283	4,589	3,717
Dry (13%)	3,778	5,728	5,855	6,382	7,603	11,533	6,008	5,016	4,180	8,118	5,133	2,801
Critical (25%)	3,497	3,651	4,287	6,905	4,154	6,037	4,511	3,076	3,127	5,455	2,661	2,219

Alternative 5 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	6,105	12,358	30,805	28,820	34,826	32,094	20,493	8,854	7,072	9,086	6,409	9,583
20%	4,920	9,072	8,379	25,030	32,700	26,165	9,739	5,863	6,440	8,639	5,767	8,034
30%	4,710	6,052	8,215	16,276	17,996	19,414	6,984	5,634	5,865	8,163	5,275	5,817
40%	4,453	4,785	7,424	9,443	11,231	11,913	6,468	5,065	5,525	7,956	4,166	3,658
50%	4,185	4,422	6,925	8,949	9,215	10,806	5,816	4,673	5,424	7,312	3,740	3,626
60%	3,849	4,125	6,330	7,894	6,787	9,033	5,447	4,373	5,055	6,828	3,574	3,612
70%	3,750	3,714	6,100	6,924	6,015	6,921	5,336	4,109	4,656	5,708	3,459	3,247
80%	3,581	3,603	4,435	5,926	5,189	5,834	5,197	3,925	3,933	4,971	3,401	3,225
90%	2,993	3,523	3,888	5,302	3,855	4,951	5,030	3,104	3,709	3,883	3,218	3,132
Long Term												
Full Simulation Period[a]	4,313	6,805	11,328	13,574	15,162	15,242	9,646	5,813	5,645	6,912	4,447	5,175
Water Year Types[b]												
Wet (31%)	4,534	13,735	27,098	22,425	30,543	28,774	19,522	9,263	7,964	7,525	5,002	9,394
Above Normal (25%)	3,510	4,121	7,902	28,291	27,825	22,685	9,140	5,267	5,971	8,369	4,671	5,817
Below Normal (6%)	3,849	4,143	6,074	9,423	11,231	10,320	5,951	4,613	6,440	6,936	3,751	3,133
Dry (13%)	3,798	5,429	6,442	6,517	7,309	10,516	6,437	5,681	5,204	7,443	5,330	3,339
Critical (25%)	4,962	3,968	5,041	7,081	4,859	6,204	5,255	3,617	3,854	5,409	3,346	3,420

Alternative 5 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,088	54	-833	-2,174	-906	-987	-1,578	-46	1,405	-668	593	-1,217
20%	353	-271	-138	-1,951	-1,345	-1,923	-654	-297	1,097	-616	150	-986
30%	534	-674	110	-2,077	-2,479	-2,433	-580	311	1,264	-671	-163	-927
40%	496	-542	595	-664	-1,538	-3,095	557	357	1,181	-200	-1,026	-60
50%	358	-372	325	-540	-876	-1,612	437	334	1,278	-211	-939	590
60%	106	654	761	-103	-92	-1,258	159	627	1,156	147	-951	854
70%	226	578	989	159	925	-374	497	517	886	-699	384	848
80%	692	867	686	310	813	447	560	725	562	-112	669	924
90%	551	988	1,099	461	484	765	1,005	574	807	-337	546	938
Long Term												
Full Simulation Period[a]	423	93	337	-583	-485	-937	51	303	958	-294	54	54
Water Year Types[b]												
Wet (31%)	-293	378	-502	-1,858	-1,312	-1,386	-442	-120	1,004	-313	-227	-1,212
Above Normal (25%)	621	391	235	-1,454	-1,662	-2,320	-1,448	-167	1,244	-594	-803	-927
Below Normal (6%)	-718	-1,184	822	-414	-1,538	-1,572	41	287	1,097	653	-839	-585
Dry (13%)	20	-299	586	135	-294	-1,017	429	665	1,024	-674	197	538
Critical (25%)	1,465	316	754	176	705	168	744	541	727	-45	685	1,201

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-25-22. Sutter and Steamboat Slough, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	5,017	12,304	31,638	30,994	35,732	33,080	22,071	8,900	5,667	9,754	5,817	10,800
20%	4,568	9,343	8,517	26,981	34,045	28,088	10,393	6,159	5,342	9,255	5,617	9,020
30%	4,177	6,726	8,106	18,353	20,476	21,847	7,564	5,323	4,601	8,835	5,438	6,743
40%	3,957	5,327	6,829	10,107	12,770	15,009	5,911	4,709	4,345	8,156	5,192	3,717
50%	3,827	4,794	6,601	9,489	10,091	12,418	5,379	4,339	4,146	7,523	4,679	3,036
60%	3,743	3,471	5,569	7,997	6,879	10,291	5,288	3,746	3,899	6,680	4,525	2,759
70%	3,524	3,136	5,111	6,764	5,090	7,295	4,839	3,592	3,770	6,407	3,075	2,399
80%	2,889	2,735	3,749	5,617	4,376	5,387	4,637	3,200	3,371	5,083	2,731	2,301
90%	2,443	2,535	2,789	4,841	3,371	4,186	4,025	2,530	2,902	4,220	2,672	2,194
Long Term												
Full Simulation Period[a]	3,890	6,712	10,990	14,157	15,647	16,179	9,595	5,510	4,687	7,207	4,393	5,121
Water Year Types[b]												
Wet (31%)	4,827	13,357	27,600	24,283	31,855	30,161	19,964	9,382	6,960	7,839	5,229	10,606
Above Normal (25%)	2,888	3,730	7,666	29,745	29,486	25,004	10,587	5,434	4,727	8,962	5,474	6,743
Below Normal (6%)	4,568	5,327	5,252	9,838	12,770	11,892	5,911	4,326	5,342	6,283	4,589	3,717
Dry (13%)	3,778	5,728	5,855	6,382	7,603	11,533	6,008	5,016	4,180	8,118	5,133	2,801
Critical (25%)	3,497	3,651	4,287	6,905	4,154	6,037	4,511	3,076	3,127	5,455	2,661	2,219

Alternative 6A,6B,6C (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4,138	11,677	27,256	23,137	29,399	27,292	17,065	6,774	5,337	4,762	3,635	6,678
20%	3,764	8,307	8,533	20,322	26,645	22,192	8,775	5,255	4,442	3,990	3,597	4,404
30%	3,704	5,483	7,995	14,452	13,789	16,303	5,972	4,991	4,379	3,869	3,576	3,967
40%	3,514	3,757	7,062	9,106	9,654	9,642	5,806	4,745	4,288	3,715	3,508	3,407
50%	3,500	3,694	6,293	8,114	8,607	8,631	5,358	4,349	4,196	3,579	3,471	3,290
60%	3,454	3,653	5,075	7,300	7,756	8,164	5,138	4,128	4,076	3,506	3,430	3,230
70%	3,333	3,554	4,354	6,048	6,048	6,403	5,043	3,836	3,651	3,505	3,340	3,174
80%	3,271	3,456	4,276	5,343	5,055	5,560	4,744	3,407	3,431	3,480	3,321	3,134
90%	2,585	3,189	3,529	4,560	3,783	4,169	4,567	2,844	3,351	3,460	3,289	3,014
Long Term												
Full Simulation Period[a]	3,452	5,922	10,148	11,502	13,156	13,129	8,499	5,056	4,347	3,887	3,431	4,017
Water Year Types[b]												
Wet (31%)	3,857	11,137	24,349	18,794	25,905	24,870	16,991	7,622	5,383	4,805	3,623	6,329
Above Normal (25%)	2,554	3,189	7,374	23,345	22,099	19,217	7,291	5,000	4,057	3,852	3,576	3,967
Below Normal (6%)	3,699	3,757	4,276	9,107	9,654	8,164	5,829	4,527	5,397	3,504	3,604	3,407
Dry (13%)	3,516	5,203	5,830	6,227	6,693	9,222	6,173	4,774	4,281	3,622	3,427	3,248
Critical (25%)	3,389	3,851	4,526	5,631	5,250	5,421	4,583	3,358	3,476	3,455	3,188	2,923

Alternative 6A,6B,6C (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	**-879**	**-627**	**-4,382**	**-7,857**	**-6,333**	**-5,789**	**-5,006**	**-2,126**	**-330**	**-4,993**	**-2,181**	**-4,122**
20%	**-804**	**-1,035**	16	**-6,659**	**-7,400**	**-5,896**	**-1,618**	**-904**	**-900**	**-5,265**	**-2,020**	**-4,616**
30%	**-472**	**-1,243**	**-110**	**-3,901**	**-6,687**	**-5,544**	**-1,592**	**-332**	**-221**	**-4,965**	**-1,862**	**-2,776**
40%	**-443**	**-1,570**	233	**-1,001**	**-3,115**	**-5,367**	**-105**	37	**-57**	**-4,441**	**-1,684**	**-310**
50%	**-327**	**-1,100**	**-308**	**-1,375**	**-1,484**	**-3,787**	**-21**	10	50	**-3,944**	**-1,208**	254
60%	**-290**	182	**-495**	**-696**	877	**-2,127**	**-150**	382	177	**-3,175**	**-1,095**	471
70%	**-190**	418	**-757**	**-716**	958	**-892**	204	244	**-119**	**-2,902**	264	775
80%	382	721	527	**-274**	679	173	108	207	60	**-1,604**	589	833
90%	143	654	740	**-281**	412	**-17**	542	314	448	**-759**	616	820
Long Term												
Full Simulation Period[a]	**-438**	**-790**	**-842**	**-2,655**	**-2,491**	**-3,049**	**-1,096**	**-454**	**-341**	**-3,320**	**-962**	**-1,104**
Water Year Types[b]												
Wet (31%)	**-970**	**-2,220**	**-3,251**	**-5,489**	**-5,950**	**-5,290**	**-2,973**	**-1,761**	**-1,577**	**-3,033**	**-1,606**	**-4,277**
Above Normal (25%)	**-335**	**-541**	**-292**	**-6,400**	**-7,387**	**-5,788**	**-3,297**	**-434**	**-670**	**-5,110**	**-1,898**	**-2,776**
Below Normal (6%)	**-868**	**-1,570**	**-976**	**-730**	**-3,115**	**-3,728**	**-81**	201	55	**-2,778**	**-985**	**-310**
Dry (13%)	**-262**	**-525**	**-25**	**-155**	**-910**	**-2,311**	165	**-242**	100	**-4,496**	**-1,706**	447
Critical (25%)	**-109**	200	239	**-1,274**	1,096	**-616**	72	282	349	**-1,999**	527	703

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-25-23. Sutter and Steamboat Slough, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	5,017	12,304	31,638	30,994	35,732	33,080	22,071	8,900	5,667	9,754	5,817	10,800
20%	4,568	9,343	8,517	26,981	34,045	28,088	10,393	6,159	5,342	9,255	5,617	9,020
30%	4,177	6,726	8,106	18,353	20,476	21,847	7,564	5,323	4,601	8,835	5,438	6,743
40%	3,957	5,327	6,829	10,107	12,770	15,009	5,911	4,709	4,345	8,156	5,192	3,717
50%	3,827	4,794	6,601	9,489	10,091	12,418	5,379	4,339	4,146	7,523	4,679	3,036
60%	3,743	3,471	5,569	7,997	6,879	10,291	5,288	3,746	3,899	6,680	4,525	2,759
70%	3,524	3,136	5,111	6,764	5,090	7,295	4,839	3,592	3,770	6,407	3,075	2,399
80%	2,889	2,735	3,749	5,617	4,376	5,387	4,637	3,200	3,371	5,083	2,731	2,301
90%	2,443	2,535	2,789	4,841	3,371	4,186	4,025	2,530	2,902	4,220	2,672	2,194
Long Term												
Full Simulation Period[a]	3,890	6,712	10,990	14,157	15,647	16,179	9,595	5,510	4,687	7,207	4,393	5,121
Water Year Types[b]												
Wet (31%)	4,827	13,357	27,600	24,283	31,855	30,161	19,964	9,382	6,960	7,839	5,229	10,606
Above Normal (25%)	2,888	3,730	7,666	29,745	29,486	25,004	10,587	5,434	4,727	8,962	5,474	6,743
Below Normal (6%)	4,568	5,327	5,252	9,838	12,770	11,892	5,911	4,326	5,342	6,283	4,589	3,717
Dry (13%)	3,778	5,728	5,855	6,382	7,603	11,533	6,008	5,016	4,180	8,118	5,133	2,801
Critical (25%)	3,497	3,651	4,287	6,905	4,154	6,037	4,511	3,076	3,127	5,455	2,661	2,219

Alternative 7 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4,056	11,263	29,228	25,460	31,418	28,932	17,784	7,389	5,227	9,216	5,615	8,289
20%	3,925	8,674	8,277	22,547	29,222	22,703	9,153	5,277	4,917	7,758	5,099	6,820
30%	3,840	5,532	7,923	14,181	14,736	16,331	6,287	4,973	4,856	7,313	4,929	5,233
40%	3,765	3,989	7,022	8,683	9,620	9,854	5,756	4,766	4,625	7,031	4,916	4,265
50%	3,610	3,783	6,353	8,121	8,823	9,046	5,543	4,412	4,615	6,640	4,763	3,715
60%	3,562	3,714	5,171	7,373	7,857	8,245	5,330	4,103	4,592	5,976	4,549	3,276
70%	3,430	3,675	4,504	5,974	6,243	6,860	5,062	3,848	4,537	5,345	4,443	3,195
80%	3,405	3,589	4,348	5,428	5,150	5,730	4,857	3,543	4,498	4,521	4,359	3,126
90%	2,600	3,559	3,635	4,675	3,850	4,305	4,661	3,493	4,351	4,506	4,280	3,074
Long Term												
Full Simulation Period[a]	3,498	6,232	10,520	12,055	13,858	13,543	8,740	5,289	4,995	6,541	4,830	4,771
Water Year Types[b]												
Wet (31%)	3,951	12,000	25,725	19,668	27,258	25,589	17,533	7,887	6,215	7,361	4,819	8,098
Above Normal (25%)	2,691	3,789	7,277	25,693	24,396	19,188	7,523	5,021	4,730	7,078	4,725	5,233
Below Normal (6%)	3,417	3,793	4,348	9,136	9,620	9,494	6,181	4,633	5,215	7,031	5,298	4,265
Dry (13%)	3,525	5,186	5,853	6,273	6,969	9,624	6,274	4,821	4,641	7,785	5,398	3,276
Critical (25%)	3,454	3,919	4,623	5,718	5,282	5,593	4,677	3,824	4,365	4,577	4,334	3,224

Alternative 7 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-962	-1,042	-2,410	-5,534	-4,315	-4,148	-4,286	-1,511	-440	-539	-201	-2,511
20%	-642	-668	-240	-4,434	-4,823	-5,386	-1,240	-882	-425	-1,497	-518	-2,200
30%	-336	-1,194	-182	-4,171	-5,740	-5,516	-1,277	-349	255	-1,522	-510	-1,511
40%	-192	-1,338	193	-1,424	-3,149	-5,155	-154	57	281	-1,125	-276	548
50%	-217	-1,011	-248	-1,368	-1,268	-3,371	164	74	468	-883	84	679
60%	-181	244	-398	-624	978	-2,046	42	357	693	-704	24	517
70%	-94	539	-607	-790	1,152	-435	224	256	767	-1,062	1,368	796
80%	515	854	598	-189	774	343	221	343	1,127	-562	1,628	825
90%	157	1,024	846	-166	478	119	636	964	1,449	286	1,607	880
Long Term												
Full Simulation Period[a]	-392	-480	-470	-2,102	-1,788	-2,636	-855	-221	308	-666	437	-349
Water Year Types[b]												
Wet (31%)	-876	-1,357	-1,875	-4,615	-4,597	-4,572	-2,431	-1,495	-745	-478	-410	-2,509
Above Normal (25%)	-197	60	-389	-4,052	-5,090	-5,816	-3,064	-412	3	-1,885	-749	-1,511
Below Normal (6%)	-1,151	-1,535	-904	-702	-3,149	-2,398	271	308	-127	748	709	548
Dry (13%)	-253	-543	-3	-109	-634	-1,909	266	-195	460	-332	265	475
Critical (25%)	-43	267	335	-1,187	1,128	-444	167	748	1,238	-878	1,673	1,004

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-25-24. Sutter and Steamboat Slough, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	5,017	12,304	31,638	30,994	35,732	33,080	22,071	8,900	5,667	9,754	5,817	10,800
20%	4,568	9,343	8,517	26,981	34,045	28,088	10,393	6,159	5,342	9,255	5,617	9,020
30%	4,177	6,726	8,106	18,353	20,476	21,847	7,564	5,323	4,601	8,835	5,438	6,743
40%	3,957	5,327	6,829	10,107	12,770	15,009	5,911	4,709	4,345	8,156	5,192	3,717
50%	3,827	4,794	6,601	9,489	10,091	12,418	5,379	4,339	4,146	7,523	4,679	3,036
60%	3,743	3,471	5,569	7,997	6,879	10,291	5,288	3,746	3,899	6,680	4,525	2,759
70%	3,524	3,136	5,111	6,764	5,090	7,295	4,839	3,592	3,770	6,407	3,075	2,399
80%	2,889	2,735	3,749	5,617	4,376	5,387	4,637	3,200	3,371	5,083	2,731	2,301
90%	2,443	2,535	2,789	4,841	3,371	4,186	4,025	2,530	2,902	4,220	2,672	2,194
Long Term												
Full Simulation Period[a]	3,890	6,712	10,990	14,157	15,647	16,179	9,595	5,510	4,687	7,207	4,393	5,121
Water Year Types[b]												
Wet (31%)	4,827	13,357	27,600	24,283	31,855	30,161	19,964	9,382	6,960	7,839	5,229	10,606
Above Normal (25%)	2,888	3,730	7,666	29,745	29,486	25,004	10,587	5,434	4,727	8,962	5,474	6,743
Below Normal (6%)	4,568	5,327	5,252	9,838	12,770	11,892	5,911	4,326	5,342	6,283	4,589	3,717
Dry (13%)	3,778	5,728	5,855	6,382	7,603	11,533	6,008	5,016	4,180	8,118	5,133	2,801
Critical (25%)	3,497	3,651	4,287	6,905	4,154	6,037	4,511	3,076	3,127	5,455	2,661	2,219

Alternative 8 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4,030	12,442	29,303	25,633	31,437	28,930	18,985	8,896	5,029	5,593	4,517	8,160
20%	3,937	8,964	8,535	22,518	28,529	22,455	10,733	6,769	4,622	4,992	4,473	6,799
30%	3,635	5,508	7,877	15,167	16,784	18,088	7,634	6,250	4,603	4,686	4,450	5,141
40%	3,431	3,752	6,974	9,980	10,406	10,959	7,163	5,289	4,596	4,663	4,434	3,362
50%	3,247	3,720	6,358	9,011	9,173	10,334	7,078	4,981	4,556	4,588	4,400	3,241
60%	3,177	3,704	5,018	8,078	8,790	8,814	6,562	4,838	4,513	4,501	4,372	3,133
70%	3,058	3,657	4,439	6,368	7,036	7,787	5,963	4,576	4,491	4,467	4,299	3,116
80%	2,685	3,591	4,271	5,834	5,303	6,931	5,566	4,387	4,283	4,419	4,243	3,104
90%	2,104	3,295	3,579	4,645	4,316	5,981	4,959	3,640	4,212	4,368	4,064	3,091
Long Term												
Full Simulation Period[a]	3,226	6,378	10,531	12,591	14,381	14,412	9,708	6,257	4,961	4,759	4,311	4,599
Water Year Types[b]												
Wet (31%)	3,698	12,768	25,858	20,400	27,142	25,577	18,094	9,593	6,549	5,529	4,529	8,034
Above Normal (25%)	2,884	3,330	7,302	26,387	24,738	19,733	9,042	5,953	4,612	4,530	4,444	5,141
Below Normal (6%)	3,287	3,752	4,319	9,980	12,620	10,193	7,082	6,769	4,844	4,486	4,423	3,362
Dry (13%)	2,999	5,250	5,881	6,812	7,872	11,360	7,808	5,175	4,414	4,555	4,382	3,172
Critical (25%)	3,155	3,914	4,524	5,969	5,588	6,636	5,311	4,474	4,291	4,452	4,004	3,022

Alternative 8 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-987	138	-2,336	-5,361	-4,295	-4,150	-3,086	-4	-638	-4,161	-1,299	-2,640
20%	-630	-379	18	-4,463	-5,516	-5,633	340	610	-720	-4,263	-1,144	-2,222
30%	-541	-1,218	-229	-3,185	-3,692	-3,759	69	927	2	-4,149	-988	-1,603
40%	-526	-1,576	145	-127	-2,364	-4,050	1,252	581	251	-3,492	-759	-355
50%	-580	-1,074	-242	-478	-918	-2,084	1,699	642	410	-2,935	-279	205
60%	-566	233	-552	81	1,911	-1,477	1,275	1,092	615	-2,179	-154	374
70%	-466	520	-672	-396	1,945	492	1,124	984	721	-1,940	1,223	717
80%	-204	856	522	218	927	1,543	930	1,187	912	-664	1,512	803
90%	-338	760	790	-196	945	1,794	934	1,110	1,310	148	1,391	898
Long Term												
Full Simulation Period[a]	-664	-333	-459	-1,567	-1,266	-1,767	113	747	274	-2,448	-82	-522
Water Year Types[b]												
Wet (31%)	-1,128	-589	-1,742	-3,883	-4,713	-4,583	-1,870	210	-411	-2,309	-700	-2,572
Above Normal (25%)	-4	-400	-364	-3,358	-4,748	-5,272	-1,545	519	-115	-4,432	-1,030	-1,603
Below Normal (6%)	-1,281	-1,576	-932	142	-150	-1,699	1,171	2,443	-498	-1,797	-166	-355
Dry (13%)	-779	-478	26	430	269	-173	1,800	160	234	-3,562	-751	371
Critical (25%)	-342	263	236	-936	1,434	600	801	1,399	1,164	-1,003	1,343	803

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-25-25. Sutter and Steamboat Slough, Monthly Flow

No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	5,017	12,304	31,638	30,994	35,732	33,080	22,071	8,900	5,667	9,754	5,817	10,800
20%	4,568	9,343	8,517	26,981	34,045	28,088	10,393	6,159	5,342	9,255	5,617	9,020
30%	4,177	6,726	8,106	18,353	20,476	21,847	7,564	5,323	4,601	8,835	5,438	6,743
40%	3,957	5,327	6,829	10,107	12,770	15,009	5,911	4,709	4,345	8,156	5,192	3,717
50%	3,827	4,794	6,601	9,489	10,091	12,418	5,379	4,339	4,146	7,523	4,679	3,036
60%	3,743	3,471	5,569	7,997	6,879	10,291	5,288	3,746	3,899	6,680	4,525	2,759
70%	3,524	3,136	5,111	6,764	5,090	7,295	4,839	3,592	3,770	6,407	3,075	2,399
80%	2,889	2,735	3,749	5,617	4,376	5,387	4,637	3,200	3,371	5,083	2,731	2,301
90%	2,443	2,535	2,789	4,841	3,371	4,186	4,025	2,530	2,902	4,220	2,672	2,194
Long Term												
Full Simulation Period[a]	3,890	6,712	10,990	14,157	15,647	16,179	9,595	5,510	4,687	7,207	4,393	5,121
Water Year Types[b]												
Wet (31%)	4,827	13,357	27,600	24,283	31,855	30,161	19,964	9,382	6,960	7,839	5,229	10,606
Above Normal (25%)	2,888	3,730	7,666	29,745	29,486	25,004	10,587	5,434	4,727	8,962	5,474	6,743
Below Normal (6%)	4,568	5,327	5,252	9,838	12,770	11,892	5,911	4,326	5,342	6,283	4,589	3,717
Dry (13%)	3,778	5,728	5,855	6,382	7,603	11,533	6,008	5,016	4,180	8,118	5,133	2,801
Critical (25%)	3,497	3,651	4,287	6,905	4,154	6,037	4,511	3,076	3,127	5,455	2,661	2,219

Alternative 9 (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	6,765	13,497	33,068	31,721	38,126	35,153	21,999	9,389	6,752	8,944	6,964	12,550
20%	5,554	10,171	8,073	27,785	35,732	28,670	9,856	6,919	6,131	8,757	6,876	10,004
30%	5,333	7,779	7,744	17,606	19,903	20,915	7,591	6,305	5,666	8,294	6,802	8,016
40%	4,771	5,845	7,151	9,815	12,585	13,183	6,374	5,891	5,628	7,431	6,609	5,059
50%	4,282	4,638	6,511	8,984	9,441	11,770	5,866	5,586	5,596	7,180	5,928	3,995
60%	3,924	4,231	6,143	7,636	6,505	9,504	5,660	5,011	5,522	6,900	5,195	3,756
70%	3,627	4,062	5,654	5,757	5,328	7,094	5,463	4,854	5,001	6,394	4,583	3,349
80%	3,412	3,888	4,706	5,228	4,937	5,637	5,273	3,778	4,572	5,553	4,069	3,247
90%	3,097	3,484	4,523	4,660	4,027	4,749	4,937	3,639	4,200	4,756	3,735	3,233
Long Term												
Full Simulation Period[a]	4,603	7,540	11,745	14,127	16,274	16,424	10,112	6,534	5,862	7,186	5,582	6,301
Water Year Types[b]												
Wet (31%)	6,118	14,511	29,244	24,481	33,464	31,561	20,898	10,298	8,151	7,715	6,419	12,164
Above Normal (25%)	2,972	4,577	7,386	31,222	30,592	24,803	10,199	5,969	5,575	8,905	6,767	8,016
Below Normal (6%)	5,300	6,623	5,754	9,319	12,585	11,557	6,374	5,011	6,131	7,018	5,652	5,059
Dry (13%)	4,384	5,898	6,100	6,348	7,385	11,068	6,610	6,483	5,539	7,525	6,094	3,777
Critical (25%)	4,079	4,645	5,203	6,190	4,642	6,220	4,997	4,095	4,351	5,837	4,015	3,194

Alternative 9 (LLT) minus No Action Alternative (LLT)

	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,748	1,192	1,430	727	2,394	2,072	-72	489	1,085	-810	1,147	1,749
20%	986	828	-444	804	1,687	582	-537	760	789	-498	1,260	984
30%	1,156	1,053	-361	-746	-573	-932	26	982	1,065	-541	1,364	1,273
40%	814	517	321	-292	-184	-1,826	464	1,183	1,283	-725	1,417	1,342
50%	454	-156	-90	-505	-650	-648	486	1,248	1,449	-343	1,249	959
60%	181	761	573	-361	-374	-787	372	1,265	1,624	219	670	997
70%	103	926	543	-1,007	237	-201	624	1,261	1,231	-13	1,508	950
80%	523	1,152	957	-389	561	249	637	578	1,201	470	1,338	945
90%	654	949	1,734	-181	656	563	912	1,110	1,298	537	1,062	1,039
Long Term												
Full Simulation Period[a]	713	828	754	-30	627	245	517	1,024	1,175	-21	1,189	1,181
Water Year Types[b]												
Wet (31%)	1,292	1,154	1,644	198	1,608	1,401	934	916	1,191	-123	1,190	1,558
Above Normal (25%)	84	847	-280	1,477	1,106	-202	-388	536	848	-58	1,293	1,273
Below Normal (6%)	733	1,296	503	-519	-184	-335	464	685	789	735	1,063	1,342
Dry (13%)	606	170	245	-34	-218	-465	602	1,467	1,358	-593	962	976
Critical (25%)	582	994	915	-716	488	183	486	1,019	1,224	382	1,353	974

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

C.26. Steamboat Slough downstream of Sutter Slough Water Surface Elevation

Table C-26-1-1. Steamboat Sl d/s of Sutter Sl, Monthly Averaged Daily Maximum Elevation

Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	3.5	4.7	6.3	6.1	7.1	6.5	4.9	3.9	3.8	4.1	3.9	3.9
20%	3.2	4.1	3.8	5.5	6.3	5.6	3.5	3.5	3.6	3.9	3.8	3.5
30%	3.2	3.4	3.8	4.6	4.8	4.6	3.4	3.4	3.6	3.9	3.6	3.5
40%	3.2	3.3	3.8	4.0	4.1	3.9	3.2	3.4	3.5	3.9	3.6	3.4
50%	3.2	3.3	3.5	3.9	3.7	3.9	3.1	3.3	3.4	3.9	3.6	3.4
60%	3.2	3.3	3.5	3.6	3.4	3.7	3.1	3.3	3.4	3.8	3.6	3.4
70%	3.1	3.2	3.4	3.5	3.3	3.3	3.1	3.2	3.4	3.8	3.5	3.3
80%	3.0	3.1	3.3	3.3	3.3	3.1	3.0	3.1	3.3	3.7	3.5	3.2
90%	3.0	3.0	3.2	3.2	3.1	2.9	2.9	3.0	3.3	3.6	3.5	3.2
Long Term												
Full Simulation Period[a]	3.2	3.6	4.1	4.3	4.5	4.3	3.6	3.5	3.6	3.9	3.6	3.5
Water Year Types[b]												
Wet (31%)	3.5	4.6	5.9	5.3	6.4	6.2	4.8	4.1	4.1	4.1	3.9	3.9
Above Normal (25%)	3.0	3.1	3.6	6.1	6.0	5.1	3.6	3.5	3.4	3.7	3.6	3.3
Below Normal (6%)	3.2	3.2	3.1	4.0	4.3	3.8	3.1	3.3	3.3	3.6	3.5	3.2
Dry (13%)	3.1	3.3	3.5	3.5	3.4	3.7	3.2	3.3	3.5	3.9	3.7	3.4
Critical (25%)	3.2	3.3	3.5	3.4	3.2	3.1	3.0	3.0	3.3	3.8	3.5	3.3

No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	4.9	5.6	7.4	7.4	8.2	7.5	6.2	5.3	5.2	5.5	5.3	5.6
20%	4.7	5.2	5.2	7.1	7.5	6.9	5.0	4.9	5.1	5.5	5.2	5.2
30%	4.7	4.9	5.2	6.0	6.2	5.9	4.8	4.8	5.0	5.5	5.2	5.0
40%	4.7	4.8	5.2	5.3	5.4	5.3	4.7	4.8	5.0	5.4	5.2	4.9
50%	4.7	4.8	5.0	5.3	5.1	5.1	4.6	4.7	4.9	5.4	5.0	4.9
60%	4.6	4.7	4.9	5.1	4.8	4.9	4.5	4.6	4.9	5.4	5.0	4.9
70%	4.6	4.7	4.9	5.0	4.7	4.7	4.5	4.6	4.9	5.3	5.0	4.8
80%	4.6	4.5	4.7	5.0	4.7	4.5	4.4	4.6	4.8	5.2	4.9	4.7
90%	4.5	4.5	4.7	4.6	4.5	4.4	4.3	4.5	4.8	5.1	4.9	4.7
Long Term												
Full Simulation Period[a]	4.7	5.0	5.5	5.7	5.8	5.6	5.0	4.8	5.0	5.4	5.1	5.0
Water Year Types[b]												
Wet (31%)	4.9	5.7	7.1	6.7	7.6	7.2	6.1	5.2	5.3	5.6	5.3	5.6
Above Normal (25%)	4.5	4.6	5.1	7.3	7.4	6.4	5.0	4.8	4.8	5.3	5.1	5.0
Below Normal (6%)	4.7	4.8	4.7	5.4	5.4	5.1	4.5	4.6	4.8	5.0	4.9	4.7
Dry (13%)	4.7	4.8	5.0	4.9	4.9	5.1	4.6	4.8	5.0	5.4	5.1	4.8
Critical (25%)	4.7	4.7	4.9	4.9	4.6	4.5	4.5	4.6	4.8	5.2	4.9	4.8

No Action Alternative (LLT) minus Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.4	1.0	1.1	1.3	1.1	1.0	1.3	1.3	1.4	1.4	1.5	1.7
20%	1.5	1.1	1.4	1.6	1.2	1.3	1.4	1.4	1.5	1.6	1.4	1.7
30%	1.5	1.5	1.5	1.4	1.4	1.3	1.4	1.4	1.5	1.6	1.5	1.5
40%	1.5	1.5	1.4	1.4	1.3	1.4	1.4	1.4	1.5	1.5	1.5	1.5
50%	1.5	1.5	1.4	1.4	1.4	1.3	1.4	1.4	1.5	1.5	1.4	1.5
60%	1.4	1.5	1.4	1.5	1.4	1.2	1.4	1.4	1.5	1.5	1.5	1.5
70%	1.5	1.5	1.4	1.5	1.4	1.4	1.5	1.4	1.5	1.5	1.5	1.5
80%	1.5	1.5	1.5	1.7	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.5
90%	1.5	1.5	1.5	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.5
Long Term												
Full Simulation Period[a]	1.5	1.4	1.4	1.4	1.3	1.3	1.4	1.4	1.4	1.5	1.5	1.5
Water Year Types[b]												
Wet (31%)	1.4	1.1	1.2	1.4	1.2	1.0	1.3	1.1	1.2	1.4	1.5	1.7
Above Normal (25%)	1.5	1.4	1.5	1.2	1.4	1.3	1.3	1.4	1.4	1.6	1.5	1.6
Below Normal (6%)	1.5	1.6	1.6	1.4	1.1	1.3	1.4	1.3	1.5	1.4	1.4	1.5
Dry (13%)	1.5	1.4	1.4	1.4	1.4	1.3	1.4	1.5	1.5	1.5	1.4	1.4
Critical (25%)	1.5	1.5	1.4	1.5	1.4	1.4	1.5	1.5	1.5	1.5	1.4	1.5

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

Table C-26-1-2. Steamboat Sl d/s of Sutter Sl, Monthly Averaged Daily Maximum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3.5	4.7	6.3	6.1	7.1	6.5	4.9	3.9	3.8	4.1	3.9	3.9
20%	3.2	4.1	3.8	5.5	6.3	5.6	3.5	3.5	3.6	3.9	3.8	3.5
30%	3.2	3.4	3.8	4.6	4.8	4.6	3.4	3.4	3.6	3.9	3.6	3.5
40%	3.2	3.3	3.8	4.0	4.1	3.9	3.2	3.4	3.5	3.9	3.6	3.4
50%	3.2	3.3	3.5	3.9	3.7	3.9	3.1	3.3	3.4	3.9	3.6	3.4
60%	3.2	3.3	3.5	3.6	3.4	3.7	3.1	3.3	3.4	3.8	3.6	3.4
70%	3.1	3.2	3.4	3.5	3.3	3.3	3.1	3.2	3.4	3.8	3.5	3.3
80%	3.0	3.1	3.3	3.3	3.3	3.1	3.0	3.1	3.3	3.7	3.5	3.2
90%	3.0	3.0	3.2	3.2	3.1	2.9	2.9	3.0	3.3	3.6	3.5	3.2
Long Term												
Full Simulation Period[a]	3.2	3.6	4.1	4.3	4.5	4.3	3.6	3.5	3.6	3.9	3.6	3.5
Water Year Types[b]												
Wet (31%)	3.5	4.6	5.9	5.3	6.4	6.2	4.8	4.1	4.1	4.1	3.9	3.9
Above Normal (25%)	3.0	3.1	3.6	6.1	6.0	5.1	3.6	3.5	3.4	3.7	3.6	3.3
Below Normal (6%)	3.2	3.2	3.1	4.0	4.3	3.8	3.1	3.3	3.3	3.6	3.5	3.2
Dry (13%)	3.1	3.3	3.5	3.5	3.4	3.7	3.2	3.3	3.5	3.9	3.7	3.4
Critical (25%)	3.2	3.3	3.5	3.4	3.2	3.1	3.0	3.0	3.3	3.8	3.5	3.3

Alternative 1A,1B,1C (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.3	4.9	6.2	5.9	7.0	6.2	5.2	4.5	4.6	4.9	4.6	4.6
20%	4.3	4.5	4.7	5.6	5.9	5.7	4.3	4.3	4.5	4.7	4.6	4.4
30%	4.3	4.3	4.6	5.1	5.1	4.9	4.2	4.2	4.4	4.7	4.5	4.3
40%	4.2	4.2	4.5	4.7	4.5	4.4	4.1	4.2	4.3	4.6	4.5	4.3
50%	4.2	4.1	4.4	4.6	4.4	4.3	4.0	4.1	4.3	4.6	4.5	4.3
60%	4.1	4.1	4.3	4.4	4.3	4.3	4.0	4.1	4.3	4.6	4.4	4.3
70%	4.1	4.1	4.3	4.4	4.2	4.1	4.0	4.1	4.2	4.5	4.3	4.3
80%	4.0	4.0	4.1	4.2	4.2	4.0	4.0	4.0	4.2	4.4	4.3	4.1
90%	4.0	3.9	4.1	4.1	4.0	3.9	3.8	3.9	4.2	4.3	4.2	4.1
Long Term												
Full Simulation Period[a]	4.2	4.3	4.8	4.9	5.0	4.8	4.3	4.2	4.4	4.6	4.4	4.3
Water Year Types[b]												
Wet (31%)	4.3	5.0	6.0	5.6	6.3	6.1	5.2	4.5	4.6	4.8	4.6	4.7
Above Normal (25%)	4.0	4.0	4.4	5.9	6.3	5.3	4.2	4.2	4.2	4.5	4.4	4.2
Below Normal (6%)	4.3	4.1	4.1	4.7	4.5	4.3	4.0	4.0	4.1	4.2	4.2	4.1
Dry (13%)	4.1	4.1	4.4	4.4	4.2	4.3	4.0	4.2	4.4	4.7	4.5	4.3
Critical (25%)	4.2	4.1	4.3	4.3	4.1	3.9	3.9	4.0	4.2	4.5	4.3	4.3

Alternative 1A,1B,1C (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.9	0.2	-0.1	-0.2	-0.2	-0.3	0.2	0.6	0.8	0.8	0.8	0.7
20%	1.0	0.4	0.8	0.1	-0.4	0.1	0.8	0.8	0.9	0.7	0.7	0.9
30%	1.1	0.9	0.8	0.5	0.3	0.3	0.8	0.8	0.8	0.7	0.9	0.9
40%	1.1	0.9	0.8	0.8	0.4	0.5	0.9	0.8	0.9	0.8	0.9	0.9
50%	1.0	0.9	0.8	0.7	0.7	0.4	0.9	0.9	0.9	0.8	0.8	0.9
60%	0.9	0.9	0.9	0.8	0.8	0.5	0.9	0.8	0.9	0.8	0.8	0.9
70%	1.0	0.9	0.8	0.8	0.9	0.8	0.9	0.9	0.9	0.7	0.8	1.0
80%	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.7	0.8	0.9
90%	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.7	0.8	0.9
Long Term												
Full Simulation Period[a]	1.0	0.7	0.7	0.6	0.5	0.4	0.7	0.8	0.8	0.7	0.8	0.9
Water Year Types[b]												
Wet (31%)	0.9	0.4	0.1	0.3	0.0	-0.1	0.4	0.4	0.5	0.7	0.8	0.7
Above Normal (25%)	1.0	0.8	0.8	-0.2	0.2	0.2	0.6	0.7	0.8	0.8	0.8	0.9
Below Normal (6%)	1.1	0.9	1.0	0.7	0.2	0.5	0.9	0.7	0.8	0.6	0.7	0.9
Dry (13%)	0.9	0.8	0.8	0.9	0.8	0.6	0.9	0.9	0.9	0.8	0.8	0.9
Critical (25%)	1.0	0.9	0.8	0.8	0.9	0.8	0.9	1.0	0.9	0.7	0.8	0.9

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-26-1-3. Steamboat Sl d/s of Sutter Sl, Monthly Averaged Daily Maximum Elevation

Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3.5	4.7	6.3	6.1	7.1	6.5	4.9	3.9	3.8	4.1	3.9	3.9
20%	3.2	4.1	3.8	5.5	6.3	5.6	3.5	3.5	3.6	3.9	3.8	3.5
30%	3.2	3.4	3.8	4.6	4.8	4.6	3.4	3.4	3.6	3.9	3.6	3.5
40%	3.2	3.3	3.8	4.0	4.1	3.9	3.2	3.4	3.5	3.9	3.6	3.4
50%	3.2	3.3	3.5	3.9	3.7	3.9	3.1	3.3	3.4	3.9	3.6	3.4
60%	3.2	3.3	3.5	3.6	3.4	3.7	3.1	3.3	3.4	3.8	3.6	3.4
70%	3.1	3.2	3.4	3.5	3.3	3.3	3.1	3.2	3.4	3.8	3.5	3.3
80%	3.0	3.1	3.3	3.3	3.3	3.1	3.0	3.1	3.3	3.7	3.5	3.2
90%	3.0	3.0	3.2	3.2	3.1	2.9	2.9	3.0	3.3	3.6	3.5	3.2
Long Term												
Full Simulation Period[a]	3.2	3.6	4.1	4.3	4.5	4.3	3.6	3.5	3.6	3.9	3.6	3.5
Water Year Types[b]												
Wet (31%)	3.5	4.6	5.9	5.3	6.4	6.2	4.8	4.1	4.1	4.1	3.9	3.9
Above Normal (25%)	3.0	3.1	3.6	6.1	6.0	5.1	3.6	3.5	3.4	3.7	3.6	3.3
Below Normal (6%)	3.2	3.2	3.1	4.0	4.3	3.8	3.1	3.3	3.3	3.6	3.5	3.2
Dry (13%)	3.1	3.3	3.5	3.5	3.4	3.7	3.2	3.3	3.5	3.9	3.7	3.4
Critical (25%)	3.2	3.3	3.5	3.4	3.2	3.1	3.0	3.0	3.3	3.8	3.5	3.3

Alternative 2A,2B,2C (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.3	4.9	6.1	5.9	6.8	6.2	5.2	4.6	4.6	4.9	4.6	4.8
20%	4.2	4.5	4.6	5.7	6.0	5.7	4.3	4.3	4.5	4.7	4.5	4.7
30%	4.2	4.3	4.6	5.1	5.1	4.8	4.2	4.2	4.4	4.7	4.5	4.4
40%	4.2	4.2	4.5	4.6	4.5	4.4	4.1	4.2	4.4	4.7	4.5	4.3
50%	4.1	4.1	4.4	4.6	4.4	4.3	4.0	4.1	4.3	4.6	4.4	4.3
60%	4.1	4.1	4.3	4.4	4.3	4.3	4.0	4.1	4.3	4.6	4.4	4.3
70%	4.0	4.1	4.3	4.4	4.2	4.1	3.9	4.1	4.2	4.5	4.3	4.3
80%	4.0	4.0	4.1	4.4	4.1	3.9	3.9	4.0	4.2	4.5	4.3	4.2
90%	4.0	3.9	4.1	4.1	4.0	3.9	3.8	3.9	4.1	4.3	4.2	4.1
Long Term												
Full Simulation Period[a]	4.1	4.3	4.8	4.9	5.0	4.7	4.3	4.2	4.4	4.6	4.4	4.4
Water Year Types[b]												
Wet (31%)	4.3	4.9	6.0	5.6	6.3	6.1	5.2	4.5	4.7	4.8	4.6	4.9
Above Normal (25%)	4.0	4.0	4.4	5.9	6.1	5.3	4.2	4.2	4.2	4.6	4.4	4.3
Below Normal (6%)	4.0	4.1	4.1	4.7	4.5	4.3	4.0	4.0	4.2	4.2	4.2	4.1
Dry (13%)	4.1	4.2	4.4	4.3	4.2	4.3	4.0	4.2	4.4	4.6	4.5	4.2
Critical (25%)	4.1	4.1	4.3	4.3	4.1	3.9	3.9	4.0	4.2	4.5	4.3	4.2

Alternative 2A,2B,2C (LLT) minus Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.8	0.2	-0.2	-0.1	-0.3	-0.3	0.3	0.7	0.8	0.8	0.7	0.9
20%	1.0	0.4	0.8	0.2	-0.3	0.1	0.8	0.8	0.9	0.8	0.7	1.2
30%	1.0	0.9	0.8	0.5	0.3	0.2	0.8	0.8	0.8	0.8	0.9	0.9
40%	1.0	0.8	0.8	0.6	0.4	0.5	0.9	0.8	0.9	0.8	0.8	0.9
50%	1.0	0.9	0.9	0.7	0.7	0.5	0.8	0.9	0.9	0.8	0.8	0.9
60%	0.9	0.9	0.8	0.8	0.8	0.5	0.9	0.8	0.9	0.8	0.8	0.9
70%	1.0	0.9	0.8	0.9	0.9	0.8	0.9	0.9	0.9	0.7	0.8	1.0
80%	0.9	0.9	0.8	1.1	0.9	0.9	0.9	0.9	0.9	0.7	0.8	1.0
90%	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.7	0.8	0.9
Long Term												
Full Simulation Period[a]	0.9	0.7	0.7	0.6	0.5	0.4	0.7	0.8	0.8	0.7	0.8	0.9
Water Year Types[b]												
Wet (31%)	0.9	0.3	0.1	0.3	-0.1	-0.2	0.4	0.4	0.5	0.7	0.8	0.9
Above Normal (25%)	1.0	0.8	0.8	-0.2	0.1	0.2	0.6	0.7	0.8	0.9	0.8	1.0
Below Normal (6%)	0.9	0.9	1.0	0.7	0.2	0.5	0.9	0.7	0.9	0.6	0.7	0.8
Dry (13%)	0.9	0.8	0.8	0.8	0.8	0.5	0.9	0.9	0.9	0.8	0.8	0.9
Critical (25%)	0.9	0.9	0.9	0.9	0.9	0.8	0.9	1.0	0.9	0.7	0.8	0.9

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-26-1-4. Steamboat Sl d/s of Sutter Sl, Monthly Averaged Daily Maximum Elevation

Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	3.5	4.7	6.3	6.1	7.1	6.5	4.9	3.9	3.8	4.1	3.9	3.9
20%	3.2	4.1	3.8	5.5	6.3	5.6	3.5	3.5	3.6	3.9	3.8	3.5
30%	3.2	3.4	3.8	4.6	4.8	4.6	3.4	3.4	3.6	3.9	3.6	3.5
40%	3.2	3.3	3.8	4.0	4.1	3.9	3.2	3.4	3.5	3.9	3.6	3.4
50%	3.2	3.3	3.5	3.9	3.7	3.9	3.1	3.3	3.4	3.9	3.6	3.4
60%	3.2	3.3	3.5	3.6	3.4	3.7	3.1	3.3	3.4	3.8	3.6	3.4
70%	3.1	3.2	3.4	3.5	3.3	3.3	3.1	3.2	3.4	3.8	3.5	3.3
80%	3.0	3.1	3.3	3.3	3.3	3.1	3.0	3.1	3.3	3.7	3.5	3.2
90%	3.0	3.0	3.2	3.2	3.1	2.9	2.9	3.0	3.3	3.6	3.5	3.2
Long Term												
Full Simulation Period[a]	3.2	3.6	4.1	4.3	4.5	4.3	3.6	3.5	3.6	3.9	3.6	3.5
Water Year Types[b]												
Wet (31%)	3.5	4.6	5.9	5.3	6.4	6.2	4.8	4.1	4.1	4.1	3.9	3.9
Above Normal (25%)	3.0	3.1	3.6	6.1	6.0	5.1	3.6	3.5	3.4	3.7	3.6	3.3
Below Normal (6%)	3.2	3.2	3.1	4.0	4.3	3.8	3.1	3.3	3.3	3.6	3.5	3.2
Dry (13%)	3.1	3.3	3.5	3.5	3.4	3.7	3.2	3.3	3.5	3.9	3.7	3.4
Critical (25%)	3.2	3.3	3.5	3.4	3.2	3.1	3.0	3.0	3.3	3.8	3.5	3.3

Alternative 3 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	4.4	5.0	6.5	6.3	7.2	6.5	5.3	4.6	4.6	4.9	4.6	4.6
20%	4.3	4.6	4.7	6.0	6.4	5.9	4.3	4.3	4.5	4.7	4.6	4.4
30%	4.3	4.2	4.6	5.2	5.3	5.0	4.2	4.2	4.4	4.7	4.5	4.3
40%	4.2	4.2	4.5	4.7	4.6	4.5	4.1	4.2	4.3	4.6	4.5	4.3
50%	4.2	4.1	4.4	4.6	4.4	4.4	4.0	4.2	4.3	4.6	4.4	4.3
60%	4.1	4.1	4.3	4.4	4.3	4.3	4.0	4.1	4.3	4.6	4.4	4.3
70%	4.1	4.1	4.3	4.4	4.2	4.1	4.0	4.1	4.2	4.5	4.3	4.2
80%	4.0	4.0	4.1	4.2	4.1	4.0	4.0	4.0	4.2	4.4	4.3	4.1
90%	4.0	3.9	4.1	4.1	4.0	3.9	3.8	3.9	4.2	4.3	4.2	4.1
Long Term												
Full Simulation Period[a]	4.2	4.3	4.8	4.9	5.1	4.8	4.3	4.2	4.4	4.6	4.4	4.3
Water Year Types[b]												
Wet (31%)	4.3	5.1	6.3	5.7	6.6	6.3	5.3	4.6	4.7	4.8	4.6	4.6
Above Normal (25%)	4.1	4.0	4.4	6.3	6.4	5.4	4.3	4.2	4.2	4.5	4.4	4.2
Below Normal (6%)	4.2	4.1	4.1	4.7	4.6	4.4	4.0	4.0	4.1	4.1	4.2	4.1
Dry (13%)	4.1	4.1	4.4	4.4	4.2	4.4	4.0	4.2	4.4	4.7	4.5	4.3
Critical (25%)	4.2	4.1	4.3	4.3	4.1	3.9	3.9	4.0	4.2	4.5	4.3	4.3

Alternative 3 (LLT) minus Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0.9	0.3	0.2	0.2	0.0	0.0	0.4	0.7	0.8	0.8	0.8	0.7
20%	1.1	0.5	0.8	0.5	0.1	0.3	0.8	0.8	0.9	0.8	0.7	0.9
30%	1.1	0.8	0.8	0.6	0.5	0.4	0.8	0.8	0.8	0.7	0.9	0.9
40%	1.0	0.8	0.8	0.8	0.5	0.6	0.9	0.8	0.9	0.7	0.8	0.9
50%	1.0	0.9	0.8	0.7	0.7	0.5	0.8	0.9	0.9	0.8	0.8	0.9
60%	1.0	0.8	0.8	0.8	0.8	0.5	0.9	0.8	0.9	0.8	0.8	0.9
70%	1.0	0.9	0.8	0.8	0.9	0.8	0.9	0.9	0.9	0.7	0.8	1.0
80%	1.0	0.9	0.9	1.0	0.9	0.9	0.9	0.9	0.9	0.7	0.8	0.9
90%	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.7	0.8	0.9
Long Term												
Full Simulation Period[a]	1.0	0.7	0.7	0.7	0.6	0.5	0.8	0.8	0.8	0.7	0.8	0.9
Water Year Types[b]												
Wet (31%)	0.9	0.5	0.4	0.4	0.2	0.1	0.5	0.4	0.5	0.7	0.8	0.7
Above Normal (25%)	1.1	0.9	0.8	0.2	0.4	0.3	0.6	0.7	0.8	0.8	0.8	0.8
Below Normal (6%)	1.0	0.9	1.0	0.7	0.3	0.5	0.8	0.7	0.8	0.6	0.7	0.9
Dry (13%)	0.9	0.8	0.8	0.9	0.8	0.6	0.9	0.9	0.8	0.8	0.8	0.9
Critical (25%)	1.1	0.9	0.8	0.9	0.9	0.8	0.9	1.0	0.9	0.7	0.8	1.0

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-26-1-5. Steamboat Sl d/s of Sutter Sl, Monthly Averaged Daily Maximum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3.5	4.7	6.3	6.1	7.1	6.5	4.9	3.9	3.8	4.1	3.9	3.9
20%	3.2	4.1	3.8	5.5	6.3	5.6	3.5	3.5	3.6	3.9	3.8	3.5
30%	3.2	3.4	3.8	4.6	4.8	4.6	3.4	3.4	3.6	3.9	3.6	3.5
40%	3.2	3.3	3.8	4.0	4.1	3.9	3.2	3.4	3.5	3.9	3.6	3.4
50%	3.2	3.3	3.5	3.9	3.7	3.9	3.1	3.3	3.4	3.9	3.6	3.4
60%	3.2	3.3	3.5	3.6	3.4	3.7	3.1	3.3	3.4	3.8	3.6	3.4
70%	3.1	3.2	3.4	3.5	3.3	3.3	3.1	3.2	3.4	3.8	3.5	3.3
80%	3.0	3.1	3.3	3.3	3.3	3.1	3.0	3.1	3.3	3.7	3.5	3.2
90%	3.0	3.0	3.2	3.2	3.1	2.9	2.9	3.0	3.3	3.6	3.5	3.2
Long Term												
Full Simulation Period[a]	3.2	3.6	4.1	4.3	4.5	4.3	3.6	3.5	3.6	3.9	3.6	3.5
Water Year Types[b]												
Wet (31%)	3.5	4.6	5.9	5.3	6.4	6.2	4.8	4.1	4.1	4.1	3.9	3.9
Above Normal (25%)	3.0	3.1	3.6	6.1	6.0	5.1	3.6	3.5	3.4	3.7	3.6	3.3
Below Normal (6%)	3.2	3.2	3.1	4.0	4.3	3.8	3.1	3.3	3.3	3.6	3.5	3.2
Dry (13%)	3.1	3.3	3.5	3.5	3.4	3.7	3.2	3.3	3.5	3.9	3.7	3.4
Critical (25%)	3.2	3.3	3.5	3.4	3.2	3.1	3.0	3.0	3.3	3.8	3.5	3.3

Alternative 4 H1 (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.4	5.0	6.4	6.2	7.0	6.3	5.2	4.6	4.6	4.9	4.6	4.6
20%	4.2	4.6	4.6	5.9	6.2	5.8	4.3	4.3	4.5	4.7	4.6	4.4
30%	4.2	4.2	4.6	5.1	5.2	4.9	4.2	4.2	4.4	4.7	4.5	4.4
40%	4.2	4.2	4.5	4.6	4.5	4.5	4.1	4.2	4.4	4.7	4.5	4.3
50%	4.1	4.1	4.5	4.6	4.4	4.3	4.0	4.2	4.3	4.6	4.5	4.3
60%	4.1	4.1	4.3	4.4	4.3	4.3	4.0	4.1	4.3	4.6	4.4	4.3
70%	4.0	4.1	4.3	4.4	4.2	4.1	4.0	4.1	4.2	4.5	4.3	4.3
80%	4.0	4.0	4.1	4.4	4.1	3.9	3.9	4.0	4.2	4.4	4.3	4.1
90%	4.0	3.9	4.1	4.2	4.0	3.9	3.8	3.9	4.2	4.3	4.2	4.1
Long Term												
Full Simulation Period[a]	4.1	4.3	4.8	4.9	5.0	4.8	4.3	4.2	4.4	4.6	4.5	4.3
Water Year Types[b]												
Wet (31%)	4.3	5.0	6.2	5.6	6.5	6.2	5.2	4.5	4.6	4.8	4.7	4.6
Above Normal (25%)	4.0	4.0	4.4	6.2	6.2	5.3	4.2	4.2	4.2	4.6	4.4	4.2
Below Normal (6%)	4.1	4.1	4.1	4.7	4.5	4.3	4.0	4.0	4.2	4.2	4.2	4.1
Dry (13%)	4.1	4.1	4.4	4.3	4.2	4.4	4.0	4.2	4.4	4.7	4.5	4.3
Critical (25%)	4.1	4.1	4.3	4.3	4.1	3.9	3.9	4.0	4.2	4.5	4.3	4.3

Alternative 4 H1 (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.9	0.3	0.1	0.1	**-0.1**	**-0.2**	0.3	0.7	0.8	0.8	0.8	0.7
20%	1.0	0.5	0.8	0.4	**-0.1**	0.2	0.8	0.8	0.9	0.8	0.7	0.9
30%	1.0	0.8	0.8	0.5	0.4	0.3	0.8	0.8	0.9	0.8	0.9	0.9
40%	1.0	0.8	0.8	0.6	0.4	0.5	0.9	0.8	0.9	0.8	0.9	0.9
50%	1.0	0.9	0.9	0.7	0.7	0.5	0.8	0.9	0.9	0.8	0.9	0.9
60%	0.9	0.8	0.8	0.8	0.8	0.5	0.9	0.8	0.9	0.8	0.9	0.9
70%	0.9	0.9	0.8	0.9	0.9	0.8	0.9	0.9	0.9	0.7	0.8	1.0
80%	1.0	0.9	0.9	1.1	0.9	0.9	0.9	0.9	0.9	0.7	0.8	0.9
90%	1.0	0.9	0.9	1.0	0.9	0.9	0.9	0.9	0.9	0.7	0.8	0.9
Long Term												
Full Simulation Period[a]	0.9	0.7	0.7	0.6	0.5	0.5	0.7	0.8	0.8	0.7	0.8	0.9
Water Year Types[b]												
Wet (31%)	0.8	0.4	0.3	0.3	0.1	**-0.1**	0.4	0.4	0.5	0.7	0.8	0.7
Above Normal (25%)	1.0	0.8	0.8	0.1	0.2	0.2	0.6	0.7	0.8	0.9	0.8	0.9
Below Normal (6%)	0.9	0.9	1.0	0.8	0.3	0.5	0.9	0.7	0.9	0.6	0.7	0.9
Dry (13%)	0.9	0.8	0.8	0.8	0.8	0.6	0.9	0.9	0.9	0.8	0.8	0.9
Critical (25%)	1.0	0.9	0.9	0.9	0.9	0.8	0.9	1.0	0.9	0.7	0.8	0.9

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-26-1-6. Steamboat Sl d/s of Sutter Sl, Monthly Averaged Daily Maximum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3.5	4.7	6.3	6.1	7.1	6.5	4.9	3.9	3.8	4.1	3.9	3.9
20%	3.2	4.1	3.8	5.5	6.3	5.6	3.5	3.5	3.6	3.9	3.8	3.5
30%	3.2	3.4	3.8	4.6	4.8	4.6	3.4	3.4	3.6	3.9	3.6	3.5
40%	3.2	3.3	3.8	4.0	4.1	3.9	3.2	3.4	3.5	3.9	3.6	3.4
50%	3.2	3.3	3.5	3.9	3.7	3.9	3.1	3.3	3.4	3.9	3.6	3.4
60%	3.2	3.3	3.5	3.6	3.4	3.7	3.1	3.3	3.4	3.8	3.6	3.4
70%	3.1	3.2	3.4	3.5	3.3	3.3	3.1	3.2	3.4	3.8	3.5	3.3
80%	3.0	3.1	3.3	3.3	3.3	3.1	3.0	3.1	3.3	3.7	3.5	3.2
90%	3.0	3.0	3.2	3.2	3.1	2.9	2.9	3.0	3.3	3.6	3.5	3.2
Long Term												
Full Simulation Period[a]	3.2	3.6	4.1	4.3	4.5	4.3	3.6	3.5	3.6	3.9	3.6	3.5
Water Year Types[b]												
Wet (31%)	3.5	4.6	5.9	5.3	6.4	6.2	4.8	4.1	4.1	4.1	3.9	3.9
Above Normal (25%)	3.0	3.1	3.6	6.1	6.0	5.1	3.6	3.5	3.4	3.7	3.6	3.3
Below Normal (6%)	3.2	3.2	3.1	4.0	4.3	3.8	3.1	3.3	3.3	3.6	3.5	3.2
Dry (13%)	3.1	3.3	3.5	3.5	3.4	3.7	3.2	3.3	3.5	3.9	3.7	3.4
Critical (25%)	3.2	3.3	3.5	3.4	3.2	3.1	3.0	3.0	3.3	3.8	3.5	3.3

Alternative 4 H2 (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.4	5.0	6.4	6.2	7.0	6.3	5.2	4.6	4.6	4.8	4.6	4.6
20%	4.3	4.6	4.6	5.9	6.2	5.8	4.3	4.3	4.5	4.7	4.5	4.4
30%	4.2	4.2	4.6	5.1	5.2	5.0	4.2	4.3	4.4	4.7	4.5	4.4
40%	4.2	4.2	4.5	4.6	4.6	4.5	4.2	4.2	4.3	4.6	4.5	4.3
50%	4.1	4.1	4.4	4.6	4.4	4.3	4.1	4.2	4.3	4.5	4.4	4.3
60%	4.0	4.1	4.4	4.4	4.3	4.3	4.0	4.2	4.2	4.5	4.4	4.3
70%	4.0	4.1	4.3	4.4	4.2	4.1	4.0	4.0	4.2	4.5	4.4	4.2
80%	4.0	4.0	4.1	4.4	4.1	4.0	3.9	4.0	4.2	4.4	4.3	4.1
90%	4.0	3.9	4.0	4.2	4.0	3.9	3.8	3.9	4.1	4.3	4.2	4.1
Long Term												
Full Simulation Period[a]	4.2	4.3	4.8	4.9	5.0	4.8	4.3	4.2	4.3	4.6	4.5	4.3
Water Year Types[b]												
Wet (31%)	4.3	5.0	6.2	5.6	6.4	6.2	5.3	4.6	4.6	4.8	4.7	4.6
Above Normal (25%)	4.0	4.0	4.5	6.2	6.3	5.3	4.4	4.3	4.2	4.4	4.4	4.2
Below Normal (6%)	4.0	4.1	4.0	4.7	4.6	4.4	4.0	4.0	4.2	4.2	4.2	4.1
Dry (13%)	4.1	4.1	4.3	4.3	4.2	4.4	4.0	4.2	4.4	4.6	4.5	4.2
Critical (25%)	4.2	4.1	4.3	4.3	4.1	3.9	3.9	4.0	4.2	4.5	4.3	4.3

Alternative 4 H2 (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.9	0.3	0.1	0.1	**-0.1**	**-0.2**	0.3	0.7	0.8	0.7	0.8	0.7
20%	1.0	0.5	0.8	0.4	**-0.1**	0.2	0.8	0.8	0.9	0.8	0.7	0.9
30%	1.0	0.8	0.8	0.5	0.4	0.4	0.9	0.9	0.8	0.7	0.9	0.9
40%	1.0	0.8	0.8	0.6	0.5	0.6	0.9	0.8	0.8	0.7	0.9	0.9
50%	0.9	0.9	0.8	0.7	0.7	0.5	1.0	0.9	0.9	0.7	0.8	0.9
60%	0.9	0.8	0.9	0.8	0.8	0.5	0.9	0.9	0.8	0.7	0.8	0.9
70%	1.0	0.9	0.8	0.9	0.9	0.8	0.9	0.9	0.8	0.7	0.8	1.0
80%	1.0	0.9	0.9	1.1	0.9	0.9	0.9	0.9	0.9	0.7	0.8	0.9
90%	0.9	0.9	0.9	1.0	0.9	0.9	0.9	0.9	0.9	0.7	0.8	0.9
Long Term												
Full Simulation Period[a]	0.9	0.7	0.7	0.6	0.5	0.5	0.8	0.8	0.8	0.7	0.8	0.9
Water Year Types[b]												
Wet (31%)	0.8	0.4	0.3	0.3	0.1	**-0.1**	0.5	0.4	0.5	0.7	0.8	0.7
Above Normal (25%)	1.0	0.8	0.9	0.1	0.2	0.2	0.8	0.8	0.8	0.7	0.9	0.9
Below Normal (6%)	0.9	0.9	0.9	0.7	0.3	0.6	0.9	0.7	0.9	0.6	0.7	0.9
Dry (13%)	0.9	0.8	0.8	0.8	0.8	0.6	0.9	0.9	0.8	0.7	0.8	0.9
Critical (25%)	1.0	0.9	0.8	0.9	0.9	0.8	0.9	1.0	0.9	0.7	0.9	1.0

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-26-1-7. Steamboat Sl d/s of Sutter Sl, Monthly Averaged Daily Maximum Elevation

Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3.5	4.7	6.3	6.1	7.1	6.5	4.9	3.9	3.8	4.1	3.9	3.9
20%	3.2	4.1	3.8	5.5	6.3	5.6	3.5	3.5	3.6	3.9	3.8	3.5
30%	3.2	3.4	3.8	4.6	4.8	4.6	3.4	3.4	3.6	3.9	3.6	3.5
40%	3.2	3.3	3.8	4.0	4.1	3.9	3.2	3.4	3.5	3.9	3.6	3.4
50%	3.2	3.3	3.5	3.9	3.7	3.9	3.1	3.3	3.4	3.9	3.6	3.4
60%	3.2	3.3	3.5	3.6	3.4	3.7	3.1	3.3	3.4	3.8	3.6	3.4
70%	3.1	3.2	3.4	3.5	3.3	3.3	3.1	3.2	3.4	3.8	3.5	3.3
80%	3.0	3.1	3.3	3.3	3.3	3.1	3.0	3.1	3.3	3.7	3.5	3.2
90%	3.0	3.0	3.2	3.2	3.1	2.9	2.9	3.0	3.3	3.6	3.5	3.2
Long Term												
Full Simulation Period[a]	3.2	3.6	4.1	4.3	4.5	4.3	3.6	3.5	3.6	3.9	3.6	3.5
Water Year Types[b]												
Wet (31%)	3.5	4.6	5.9	5.3	6.4	6.2	4.8	4.1	4.1	4.1	3.9	3.9
Above Normal (25%)	3.0	3.1	3.6	6.1	6.0	5.1	3.6	3.5	3.4	3.7	3.6	3.3
Below Normal (6%)	3.2	3.2	3.1	4.0	4.3	3.8	3.1	3.3	3.3	3.6	3.5	3.2
Dry (13%)	3.1	3.3	3.5	3.5	3.4	3.7	3.2	3.3	3.5	3.9	3.7	3.4
Critical (25%)	3.2	3.3	3.5	3.4	3.2	3.1	3.0	3.0	3.3	3.8	3.5	3.3

Alternative 4 H3 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.3	5.0	6.3	6.1	7.0	6.3	5.2	4.6	4.6	4.9	4.6	4.8
20%	4.2	4.6	4.6	5.9	6.2	5.8	4.3	4.3	4.5	4.7	4.6	4.6
30%	4.2	4.3	4.6	5.1	5.2	4.8	4.2	4.2	4.4	4.7	4.5	4.4
40%	4.2	4.2	4.5	4.6	4.5	4.5	4.1	4.2	4.4	4.7	4.5	4.3
50%	4.1	4.1	4.5	4.6	4.4	4.3	4.0	4.2	4.3	4.6	4.4	4.3
60%	4.0	4.1	4.4	4.5	4.3	4.3	4.0	4.1	4.3	4.6	4.4	4.3
70%	4.0	4.1	4.3	4.4	4.2	4.1	3.9	4.1	4.2	4.5	4.4	4.3
80%	4.0	4.0	4.1	4.4	4.1	3.9	3.9	4.0	4.2	4.4	4.3	4.2
90%	4.0	3.9	4.0	4.1	4.0	3.9	3.8	3.9	4.1	4.3	4.2	4.1
Long Term												
Full Simulation Period[a]	4.1	4.3	4.8	4.9	5.0	4.8	4.3	4.2	4.4	4.6	4.4	4.4
Water Year Types[b]												
Wet (31%)	4.3	5.0	6.2	5.6	6.4	6.2	5.2	4.5	4.6	4.8	4.7	4.8
Above Normal (25%)	4.0	4.0	4.5	6.1	6.2	5.3	4.2	4.2	4.2	4.6	4.4	4.3
Below Normal (6%)	4.0	4.1	4.0	4.7	4.5	4.3	4.0	4.0	4.2	4.2	4.2	4.1
Dry (13%)	4.1	4.2	4.4	4.3	4.2	4.3	4.0	4.2	4.4	4.7	4.5	4.3
Critical (25%)	4.1	4.1	4.3	4.3	4.1	3.9	3.9	4.0	4.2	4.5	4.3	4.2

Alternative 4 H3 (LLT) minus Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.8	0.3	0.0	0.1	-0.1	-0.2	0.3	0.7	0.8	0.8	0.8	1.0
20%	1.0	0.5	0.8	0.4	-0.1	0.2	0.8	0.8	0.9	0.8	0.7	1.1
30%	1.0	0.9	0.8	0.5	0.4	0.2	0.8	0.8	0.9	0.8	0.9	0.9
40%	1.0	0.8	0.8	0.6	0.4	0.6	0.9	0.8	0.9	0.8	0.8	0.9
50%	0.9	0.9	0.9	0.7	0.7	0.5	0.8	0.9	0.9	0.8	0.8	0.9
60%	0.9	0.9	0.9	0.9	0.8	0.5	0.9	0.9	0.9	0.8	0.8	0.9
70%	0.9	0.9	0.8	0.9	0.9	0.8	0.9	0.9	0.9	0.7	0.8	1.0
80%	1.0	0.9	0.8	1.1	0.9	0.9	0.9	0.9	0.9	0.7	0.8	0.9
90%	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.7	0.8	0.9
Long Term												
Full Simulation Period[a]	0.9	0.7	0.7	0.6	0.5	0.4	0.7	0.8	0.8	0.7	0.8	0.9
Water Year Types[b]												
Wet (31%)	0.8	0.4	0.3	0.3	0.1	-0.1	0.4	0.4	0.5	0.7	0.8	0.9
Above Normal (25%)	1.0	0.8	0.9	0.0	0.2	0.2	0.6	0.7	0.8	0.9	0.8	1.0
Below Normal (6%)	0.9	0.9	0.9	0.7	0.3	0.5	0.9	0.7	0.9	0.6	0.7	0.8
Dry (13%)	0.9	0.8	0.8	0.8	0.8	0.6	0.9	0.9	0.9	0.8	0.8	0.9
Critical (25%)	0.9	0.9	0.9	0.9	0.9	0.8	0.9	1.0	0.9	0.7	0.8	0.9

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-26-1-8. Steamboat Sl d/s of Sutter Sl, Monthly Averaged Daily Maximum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3.5	4.7	6.3	6.1	7.1	6.5	4.9	3.9	3.8	4.1	3.9	3.9
20%	3.2	4.1	3.8	5.5	6.3	5.6	3.5	3.5	3.6	3.9	3.8	3.5
30%	3.2	3.4	3.8	4.6	4.8	4.6	3.4	3.4	3.6	3.9	3.6	3.5
40%	3.2	3.3	3.8	4.0	4.1	3.9	3.2	3.4	3.5	3.9	3.6	3.4
50%	3.2	3.3	3.5	3.9	3.7	3.9	3.1	3.3	3.4	3.9	3.6	3.4
60%	3.2	3.3	3.5	3.6	3.4	3.7	3.1	3.3	3.4	3.8	3.6	3.4
70%	3.1	3.2	3.4	3.5	3.3	3.3	3.1	3.2	3.4	3.8	3.5	3.3
80%	3.0	3.1	3.3	3.3	3.3	3.1	3.0	3.1	3.3	3.7	3.5	3.2
90%	3.0	3.0	3.2	3.2	3.1	2.9	2.9	3.0	3.3	3.6	3.5	3.2
Long Term												
Full Simulation Period[a]	3.2	3.6	4.1	4.3	4.5	4.3	3.6	3.5	3.6	3.9	3.6	3.5
Water Year Types[b]												
Wet (31%)	3.5	4.6	5.9	5.3	6.4	6.2	4.8	4.1	4.1	4.1	3.9	3.9
Above Normal (25%)	3.0	3.1	3.6	6.1	6.0	5.1	3.6	3.5	3.4	3.7	3.6	3.3
Below Normal (6%)	3.2	3.2	3.1	4.0	4.3	3.8	3.1	3.3	3.3	3.6	3.5	3.2
Dry (13%)	3.1	3.3	3.5	3.5	3.4	3.7	3.2	3.3	3.5	3.9	3.7	3.4
Critical (25%)	3.2	3.3	3.5	3.4	3.2	3.1	3.0	3.0	3.3	3.8	3.5	3.3

Alternative 4 H4 (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.3	4.9	6.3	6.2	7.0	6.3	5.2	4.6	4.6	4.8	4.6	4.8
20%	4.2	4.6	4.6	5.9	6.2	5.8	4.3	4.3	4.5	4.7	4.6	4.6
30%	4.2	4.3	4.6	5.1	5.2	5.0	4.2	4.3	4.4	4.6	4.5	4.4
40%	4.2	4.2	4.5	4.6	4.6	4.5	4.2	4.2	4.3	4.6	4.5	4.3
50%	4.1	4.1	4.4	4.5	4.4	4.3	4.1	4.2	4.3	4.5	4.4	4.3
60%	4.1	4.1	4.4	4.4	4.3	4.3	4.0	4.2	4.2	4.5	4.4	4.3
70%	4.0	4.1	4.3	4.4	4.2	4.1	4.0	4.1	4.2	4.5	4.4	4.3
80%	4.0	4.0	4.1	4.2	4.1	4.0	3.9	4.0	4.2	4.4	4.3	4.2
90%	4.0	3.9	4.1	4.1	4.0	3.9	3.8	3.9	4.1	4.3	4.2	4.1
Long Term												
Full Simulation Period[a]	4.1	4.3	4.8	4.9	5.0	4.8	4.3	4.2	4.3	4.6	4.5	4.4
Water Year Types[b]												
Wet (31%)	4.3	5.0	6.1	5.6	6.4	6.2	5.3	4.6	4.6	4.8	4.7	4.8
Above Normal (25%)	4.0	4.0	4.5	6.2	6.2	5.3	4.4	4.3	4.2	4.4	4.4	4.3
Below Normal (6%)	4.0	4.1	4.1	4.7	4.6	4.3	4.0	4.0	4.2	4.2	4.2	4.1
Dry (13%)	4.1	4.2	4.3	4.3	4.2	4.4	4.0	4.2	4.4	4.6	4.5	4.2
Critical (25%)	4.1	4.1	4.3	4.3	4.1	3.9	3.9	4.0	4.2	4.5	4.4	4.3

Alternative 4 H4 (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.8	0.2	0.0	0.1	-0.1	-0.2	0.3	0.7	0.8	0.7	0.8	1.0
20%	1.0	0.5	0.8	0.4	-0.1	0.2	0.8	0.8	0.9	0.8	0.7	1.1
30%	1.0	0.9	0.8	0.5	0.4	0.3	0.9	0.9	0.8	0.7	0.9	0.9
40%	1.0	0.8	0.8	0.6	0.5	0.6	0.9	0.8	0.8	0.7	0.9	0.9
50%	0.9	0.9	0.8	0.7	0.7	0.5	1.0	0.9	0.9	0.7	0.8	0.9
60%	1.0	0.9	0.9	0.8	0.8	0.5	0.9	0.9	0.8	0.7	0.9	0.9
70%	0.9	0.9	0.8	0.9	0.9	0.8	0.9	0.9	0.8	0.7	0.8	1.0
80%	0.9	0.9	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.7	0.9	0.9
90%	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.7	0.8	0.9
Long Term												
Full Simulation Period[a]	0.9	0.7	0.7	0.6	0.5	0.5	0.8	0.8	0.8	0.7	0.8	0.9
Water Year Types[b]												
Wet (31%)	0.9	0.4	0.2	0.3	0.1	-0.1	0.5	0.4	0.5	0.7	0.8	0.9
Above Normal (25%)	1.0	0.8	0.9	0.1	0.2	0.2	0.8	0.8	0.8	0.7	0.9	1.0
Below Normal (6%)	0.8	0.9	1.0	0.8	0.3	0.5	0.9	0.7	0.9	0.6	0.7	0.9
Dry (13%)	0.9	0.8	0.8	0.8	0.8	0.6	0.9	0.9	0.8	0.7	0.8	0.9
Critical (25%)	0.9	0.9	0.8	0.8	0.9	0.8	0.9	1.0	0.9	0.7	0.9	1.0

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-26-1-9. Steamboat Sl d/s of Sutter Sl, Monthly Averaged Daily Maximum Elevation

Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3.5	4.7	6.3	6.1	7.1	6.5	4.9	3.9	3.8	4.1	3.9	3.9
20%	3.2	4.1	3.8	5.5	6.3	5.6	3.5	3.5	3.6	3.9	3.8	3.5
30%	3.2	3.4	3.8	4.6	4.8	4.6	3.4	3.4	3.6	3.9	3.6	3.5
40%	3.2	3.3	3.8	4.0	4.1	3.9	3.2	3.4	3.5	3.9	3.6	3.4
50%	3.2	3.3	3.5	3.9	3.7	3.9	3.1	3.3	3.4	3.9	3.6	3.4
60%	3.2	3.3	3.5	3.6	3.4	3.7	3.1	3.3	3.4	3.8	3.6	3.4
70%	3.1	3.2	3.4	3.5	3.3	3.3	3.1	3.2	3.4	3.8	3.5	3.3
80%	3.0	3.1	3.3	3.3	3.3	3.1	3.0	3.1	3.3	3.7	3.5	3.2
90%	3.0	3.0	3.2	3.2	3.1	2.9	2.9	3.0	3.3	3.6	3.5	3.2
Long Term												
Full Simulation Period[a]	3.2	3.6	4.1	4.3	4.5	4.3	3.6	3.5	3.6	3.9	3.6	3.5
Water Year Types[b]												
Wet (31%)	3.5	4.6	5.9	5.3	6.4	6.2	4.8	4.1	4.1	4.1	3.9	3.9
Above Normal (25%)	3.0	3.1	3.6	6.1	6.0	5.1	3.6	3.5	3.4	3.7	3.6	3.3
Below Normal (6%)	3.2	3.2	3.1	4.0	4.3	3.8	3.1	3.3	3.3	3.6	3.5	3.2
Dry (13%)	3.1	3.3	3.5	3.5	3.4	3.7	3.2	3.3	3.5	3.9	3.7	3.4
Critical (25%)	3.2	3.3	3.5	3.4	3.2	3.1	3.0	3.0	3.3	3.8	3.5	3.3

Alternative 5 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.3	5.0	6.6	6.5	7.3	6.6	5.4	4.6	4.6	4.9	4.7	4.8
20%	4.3	4.6	4.6	6.1	6.5	6.0	4.3	4.3	4.5	4.8	4.6	4.7
30%	4.2	4.3	4.6	5.2	5.3	5.1	4.2	4.2	4.4	4.7	4.5	4.3
40%	4.2	4.2	4.5	4.6	4.6	4.5	4.1	4.2	4.4	4.7	4.5	4.3
50%	4.1	4.2	4.4	4.6	4.4	4.4	4.0	4.2	4.3	4.6	4.4	4.3
60%	4.0	4.1	4.3	4.4	4.3	4.3	4.0	4.1	4.3	4.6	4.4	4.3
70%	4.0	4.1	4.3	4.4	4.2	4.1	4.0	4.1	4.2	4.5	4.3	4.2
80%	4.0	4.0	4.1	4.3	4.2	4.0	3.9	4.0	4.2	4.5	4.3	4.2
90%	3.9	3.9	4.1	4.1	4.0	3.9	3.8	3.9	4.1	4.4	4.2	4.1
Long Term												
Full Simulation Period[a]	4.1	4.4	4.8	5.0	5.1	4.9	4.4	4.2	4.4	4.6	4.4	4.4
Water Year Types[b]												
Wet (31%)	4.3	5.1	6.3	5.8	6.7	6.4	5.4	4.6	4.7	4.8	4.7	4.9
Above Normal (25%)	3.9	4.0	4.4	6.4	6.5	5.5	4.3	4.2	4.2	4.6	4.4	4.3
Below Normal (6%)	4.0	4.1	4.1	4.7	4.6	4.4	4.0	4.0	4.2	4.3	4.2	4.1
Dry (13%)	4.1	4.1	4.3	4.3	4.2	4.4	4.0	4.2	4.4	4.7	4.5	4.2
Critical (25%)	4.1	4.1	4.3	4.3	4.1	3.9	3.9	4.0	4.2	4.5	4.3	4.2

Alternative 5 (LLT) minus Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.8	0.3	0.3	0.4	0.2	0.1	0.5	0.7	0.8	0.8	0.8	1.0
20%	1.0	0.5	0.8	0.6	0.2	0.4	0.8	0.8	0.9	0.8	0.7	1.2
30%	1.0	0.9	0.8	0.6	0.5	0.4	0.8	0.8	0.9	0.8	0.9	0.9
40%	1.0	0.9	0.8	0.7	0.5	0.6	0.9	0.8	0.9	0.8	0.9	0.9
50%	0.9	0.9	0.8	0.7	0.7	0.5	0.9	0.9	0.9	0.8	0.8	0.9
60%	0.9	0.9	0.8	0.8	0.8	0.5	0.9	0.8	0.9	0.8	0.8	0.9
70%	0.9	0.9	0.8	0.9	0.9	0.8	0.9	0.9	0.9	0.7	0.8	1.0
80%	0.9	0.9	0.9	1.1	0.9	0.9	0.9	0.9	0.9	0.8	0.8	1.0
90%	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.7	0.9
Long Term												
Full Simulation Period[a]	0.9	0.8	0.7	0.7	0.6	0.6	0.8	0.8	0.8	0.8	0.8	0.9
Water Year Types[b]												
Wet (31%)	0.8	0.5	0.4	0.5	0.3	0.2	0.6	0.4	0.5	0.7	0.8	1.0
Above Normal (25%)	0.9	0.9	0.8	0.3	0.5	0.4	0.7	0.7	0.9	0.9	0.8	1.0
Below Normal (6%)	0.8	0.9	1.0	0.7	0.3	0.6	0.9	0.7	0.9	0.7	0.7	0.8
Dry (13%)	0.9	0.8	0.8	0.8	0.8	0.6	0.9	0.9	0.8	0.8	0.8	0.9
Critical (25%)	1.0	0.9	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.7	0.8	0.9

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-26-1-10. Steamboat Sl d/s of Sutter Sl, Monthly Averaged Daily Maximum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3.5	4.7	6.3	6.1	7.1	6.5	4.9	3.9	3.8	4.1	3.9	3.9
20%	3.2	4.1	3.8	5.5	6.3	5.6	3.5	3.5	3.6	3.9	3.8	3.5
30%	3.2	3.4	3.8	4.6	4.8	4.6	3.4	3.4	3.6	3.9	3.6	3.5
40%	3.2	3.3	3.8	4.0	4.1	3.9	3.2	3.4	3.5	3.9	3.6	3.4
50%	3.2	3.3	3.5	3.9	3.7	3.9	3.1	3.3	3.4	3.9	3.6	3.4
60%	3.2	3.3	3.5	3.6	3.4	3.7	3.1	3.3	3.4	3.8	3.6	3.4
70%	3.1	3.2	3.4	3.5	3.3	3.3	3.1	3.2	3.4	3.8	3.5	3.3
80%	3.0	3.1	3.3	3.3	3.3	3.1	3.0	3.1	3.3	3.7	3.5	3.2
90%	3.0	3.0	3.2	3.2	3.1	2.9	2.9	3.0	3.3	3.6	3.5	3.2
Long Term												
Full Simulation Period[a]	3.2	3.6	4.1	4.3	4.5	4.3	3.6	3.5	3.6	3.9	3.6	3.5
Water Year Types[b]												
Wet (31%)	3.5	4.6	5.9	5.3	6.4	6.2	4.8	4.1	4.1	4.1	3.9	3.9
Above Normal (25%)	3.0	3.1	3.6	6.1	6.0	5.1	3.6	3.5	3.4	3.7	3.6	3.3
Below Normal (6%)	3.2	3.2	3.1	4.0	4.3	3.8	3.1	3.3	3.3	3.6	3.5	3.2
Dry (13%)	3.1	3.3	3.5	3.5	3.4	3.7	3.2	3.3	3.5	3.9	3.7	3.4
Critical (25%)	3.2	3.3	3.5	3.4	3.2	3.1	3.0	3.0	3.3	3.8	3.5	3.3

Alternative 6A,6B,6C (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.3	5.1	6.3	6.0	6.7	6.1	5.2	4.5	4.5	4.8	4.7	4.8
20%	4.2	4.6	4.6	5.6	5.9	5.6	4.3	4.3	4.4	4.6	4.6	4.6
30%	4.2	4.3	4.6	5.1	5.1	4.8	4.2	4.2	4.4	4.6	4.5	4.4
40%	4.1	4.2	4.6	4.6	4.5	4.4	4.1	4.2	4.3	4.6	4.5	4.4
50%	4.1	4.2	4.4	4.6	4.5	4.3	4.0	4.2	4.3	4.6	4.5	4.3
60%	4.1	4.2	4.3	4.4	4.4	4.3	4.0	4.1	4.2	4.5	4.4	4.3
70%	4.0	4.1	4.3	4.4	4.2	4.1	4.0	4.0	4.2	4.5	4.4	4.3
80%	4.0	4.0	4.1	4.2	4.1	4.0	3.9	4.0	4.1	4.5	4.3	4.2
90%	4.0	3.9	4.0	4.1	4.0	3.8	3.8	3.9	4.1	4.3	4.3	4.1
Long Term												
Full Simulation Period[a]	4.1	4.4	4.8	4.8	4.9	4.7	4.3	4.2	4.3	4.6	4.5	4.4
Water Year Types[b]												
Wet (31%)	4.3	5.0	6.1	5.5	6.2	6.0	5.1	4.5	4.6	4.8	4.7	4.8
Above Normal (25%)	3.9	4.0	4.4	6.0	6.0	5.2	4.2	4.2	4.1	4.5	4.4	4.2
Below Normal (6%)	4.1	4.1	4.0	4.7	4.5	4.3	4.0	4.0	4.2	4.3	4.3	4.2
Dry (13%)	4.1	4.2	4.3	4.3	4.2	4.3	4.0	4.2	4.3	4.6	4.5	4.3
Critical (25%)	4.1	4.2	4.3	4.3	4.1	3.9	3.9	4.0	4.2	4.5	4.4	4.3

Alternative 6A,6B,6C (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.8	0.4	0.0	-0.1	-0.4	-0.4	0.2	0.6	0.8	0.7	0.8	0.9
20%	1.0	0.5	0.8	0.2	-0.4	0.1	0.8	0.7	0.8	0.7	0.7	1.1
30%	1.0	0.9	0.8	0.5	0.3	0.2	0.8	0.8	0.8	0.7	0.9	0.9
40%	1.0	0.9	0.8	0.7	0.4	0.5	0.9	0.8	0.8	0.7	0.9	0.9
50%	0.9	0.9	0.8	0.7	0.7	0.5	0.8	0.9	0.8	0.7	0.9	0.9
60%	0.9	0.9	0.8	0.8	0.9	0.5	0.8	0.8	0.8	0.7	0.8	1.0
70%	1.0	0.9	0.8	0.9	0.9	0.8	0.9	0.9	0.8	0.7	0.8	1.0
80%	1.0	0.9	0.8	0.9	0.9	0.9	0.9	0.9	0.8	0.7	0.8	1.0
90%	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.9
Long Term												
Full Simulation Period[a]	0.9	0.8	0.7	0.6	0.5	0.4	0.7	0.7	0.7	0.7	0.8	0.9
Water Year Types[b]												
Wet (31%)	0.9	0.4	0.2	0.2	-0.1	-0.2	0.4	0.4	0.4	0.7	0.8	0.9
Above Normal (25%)	0.9	0.9	0.8	-0.1	0.0	0.1	0.6	0.7	0.8	0.8	0.8	0.9
Below Normal (6%)	0.9	0.9	0.9	0.8	0.3	0.5	0.9	0.7	0.9	0.7	0.8	0.9
Dry (13%)	1.0	0.8	0.8	0.8	0.8	0.6	0.9	0.9	0.8	0.7	0.8	0.9
Critical (25%)	0.9	0.9	0.8	0.8	0.9	0.8	0.9	0.9	0.9	0.7	0.9	1.0

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-26-1-11. Steamboat Sl d/s of Sutter Sl, Monthly Averaged Daily Maximum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3.5	4.7	6.3	6.1	7.1	6.5	4.9	3.9	3.8	4.1	3.9	3.9
20%	3.2	4.1	3.8	5.5	6.3	5.6	3.5	3.5	3.6	3.9	3.8	3.5
30%	3.2	3.4	3.8	4.6	4.8	4.6	3.4	3.4	3.6	3.9	3.6	3.5
40%	3.2	3.3	3.8	4.0	4.1	3.9	3.2	3.4	3.5	3.9	3.6	3.4
50%	3.2	3.3	3.5	3.9	3.7	3.9	3.1	3.3	3.4	3.9	3.6	3.4
60%	3.2	3.3	3.5	3.6	3.4	3.7	3.1	3.3	3.4	3.8	3.6	3.4
70%	3.1	3.2	3.4	3.5	3.3	3.3	3.1	3.2	3.4	3.8	3.5	3.3
80%	3.0	3.1	3.3	3.3	3.3	3.1	3.0	3.1	3.3	3.7	3.5	3.2
90%	3.0	3.0	3.2	3.2	3.1	2.9	2.9	3.0	3.3	3.6	3.5	3.2
Long Term												
Full Simulation Period[a]	3.2	3.6	4.1	4.3	4.5	4.3	3.6	3.5	3.6	3.9	3.6	3.5
Water Year Types[b]												
Wet (31%)	3.5	4.6	5.9	5.3	6.4	6.2	4.8	4.1	4.1	4.1	3.9	3.9
Above Normal (25%)	3.0	3.1	3.6	6.1	6.0	5.1	3.6	3.5	3.4	3.7	3.6	3.3
Below Normal (6%)	3.2	3.2	3.1	4.0	4.3	3.8	3.1	3.3	3.3	3.6	3.5	3.2
Dry (13%)	3.1	3.3	3.5	3.5	3.4	3.7	3.2	3.3	3.5	3.9	3.7	3.4
Critical (25%)	3.2	3.3	3.5	3.4	3.2	3.1	3.0	3.0	3.3	3.8	3.5	3.3

Alternative 7 (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.3	5.0	6.5	6.2	7.0	6.3	5.2	4.5	4.6	4.8	4.7	4.8
20%	4.2	4.6	4.6	5.9	6.2	5.7	4.3	4.3	4.5	4.8	4.6	4.6
30%	4.2	4.3	4.6	5.1	5.2	4.9	4.2	4.2	4.4	4.7	4.5	4.4
40%	4.2	4.2	4.6	4.6	4.5	4.4	4.1	4.2	4.4	4.6	4.5	4.3
50%	4.1	4.2	4.4	4.6	4.5	4.3	4.0	4.2	4.3	4.6	4.4	4.3
60%	4.1	4.2	4.3	4.4	4.4	4.3	4.0	4.1	4.3	4.6	4.4	4.3
70%	4.0	4.1	4.3	4.4	4.2	4.1	4.0	4.0	4.2	4.5	4.4	4.3
80%	4.0	4.0	4.1	4.2	4.1	4.0	3.9	4.0	4.2	4.5	4.3	4.2
90%	4.0	3.9	4.1	4.1	4.0	3.8	3.8	3.9	4.1	4.4	4.3	4.1
Long Term												
Full Simulation Period[a]	4.1	4.4	4.8	4.9	5.0	4.8	4.3	4.2	4.4	4.6	4.5	4.4
Water Year Types[b]												
Wet (31%)	4.3	5.0	6.2	5.6	6.4	6.2	5.2	4.5	4.7	4.8	4.6	4.9
Above Normal (25%)	3.9	4.0	4.4	6.2	6.2	5.3	4.2	4.2	4.2	4.5	4.4	4.3
Below Normal (6%)	4.1	4.1	4.0	4.7	4.5	4.4	4.0	4.0	4.1	4.3	4.3	4.1
Dry (13%)	4.1	4.2	4.3	4.3	4.2	4.3	4.0	4.2	4.4	4.7	4.5	4.2
Critical (25%)	4.1	4.2	4.3	4.3	4.1	3.9	3.9	4.0	4.2	4.5	4.4	4.2

Alternative 7 (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.8	0.4	0.2	0.1	-0.1	-0.2	0.3	0.6	0.8	0.8	0.8	1.0
20%	1.0	0.5	0.8	0.4	-0.1	0.2	0.8	0.7	0.8	0.8	0.8	1.1
30%	1.0	0.9	0.8	0.5	0.4	0.2	0.8	0.8	0.8	0.8	0.9	0.9
40%	1.0	0.9	0.8	0.6	0.4	0.5	0.9	0.8	0.9	0.7	0.9	0.9
50%	0.9	0.9	0.8	0.7	0.7	0.5	0.8	0.9	0.9	0.7	0.8	0.9
60%	0.9	0.9	0.8	0.8	0.9	0.5	0.9	0.8	0.9	0.8	0.8	0.9
70%	1.0	0.9	0.8	0.9	0.9	0.8	0.9	0.9	0.9	0.7	0.8	1.0
80%	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.7	0.9	1.0
90%	0.9	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.9
Long Term												
Full Simulation Period[a]	0.9	0.8	0.7	0.6	0.5	0.4	0.7	0.8	0.8	0.7	0.8	0.9
Water Year Types[b]												
Wet (31%)	0.9	0.4	0.3	0.3	0.1	-0.1	0.4	0.4	0.5	0.7	0.8	0.9
Above Normal (25%)	0.9	0.9	0.8	0.1	0.2	0.2	0.6	0.7	0.8	0.8	0.8	1.0
Below Normal (6%)	0.9	0.9	0.9	0.8	0.3	0.5	0.9	0.7	0.8	0.7	0.8	0.9
Dry (13%)	1.0	0.8	0.8	0.8	0.8	0.6	0.9	0.9	0.8	0.8	0.8	0.9
Critical (25%)	0.9	0.9	0.8	0.8	0.9	0.8	0.9	1.0	0.9	0.7	0.9	0.9

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-26-1-12. Steamboat Sl d/s of Sutter Sl, Monthly Averaged Daily Maximum Elevation

Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3.5	4.7	6.3	6.1	7.1	6.5	4.9	3.9	3.8	4.1	3.9	3.9
20%	3.2	4.1	3.8	5.5	6.3	5.6	3.5	3.5	3.6	3.9	3.8	3.5
30%	3.2	3.4	3.8	4.6	4.8	4.6	3.4	3.4	3.6	3.9	3.6	3.5
40%	3.2	3.3	3.8	4.0	4.1	3.9	3.2	3.4	3.5	3.9	3.6	3.4
50%	3.2	3.3	3.5	3.9	3.7	3.9	3.1	3.3	3.4	3.9	3.6	3.4
60%	3.2	3.3	3.5	3.6	3.4	3.7	3.1	3.3	3.4	3.8	3.6	3.4
70%	3.1	3.2	3.4	3.5	3.3	3.3	3.1	3.2	3.4	3.8	3.5	3.3
80%	3.0	3.1	3.3	3.3	3.3	3.1	3.0	3.1	3.3	3.7	3.5	3.2
90%	3.0	3.0	3.2	3.2	3.1	2.9	2.9	3.0	3.3	3.6	3.5	3.2
Long Term												
Full Simulation Period[a]	3.2	3.6	4.1	4.3	4.5	4.3	3.6	3.5	3.6	3.9	3.6	3.5
Water Year Types[b]												
Wet (31%)	3.5	4.6	5.9	5.3	6.4	6.2	4.8	4.1	4.1	4.1	3.9	3.9
Above Normal (25%)	3.0	3.1	3.6	6.1	6.0	5.1	3.6	3.5	3.4	3.7	3.6	3.3
Below Normal (6%)	3.2	3.2	3.1	4.0	4.3	3.8	3.1	3.3	3.3	3.6	3.5	3.2
Dry (13%)	3.1	3.3	3.5	3.5	3.4	3.7	3.2	3.3	3.5	3.9	3.7	3.4
Critical (25%)	3.2	3.3	3.5	3.4	3.2	3.1	3.0	3.0	3.3	3.8	3.5	3.3

Alternative 8 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.3	5.1	6.5	6.2	7.0	6.3	5.3	4.6	4.6	4.7	4.6	4.8
20%	4.2	4.6	4.6	5.9	6.2	5.7	4.3	4.3	4.4	4.6	4.5	4.6
30%	4.1	4.3	4.6	5.2	5.3	5.0	4.3	4.3	4.4	4.6	4.5	4.3
40%	4.1	4.2	4.6	4.7	4.5	4.5	4.1	4.2	4.4	4.6	4.5	4.3
50%	4.0	4.2	4.4	4.6	4.5	4.4	4.1	4.2	4.3	4.5	4.4	4.3
60%	4.0	4.1	4.3	4.4	4.5	4.4	4.0	4.2	4.3	4.5	4.4	4.3
70%	4.0	4.1	4.3	4.4	4.2	4.2	4.0	4.1	4.2	4.4	4.3	4.2
80%	4.0	4.0	4.1	4.2	4.2	4.0	4.0	4.0	4.2	4.4	4.3	4.2
90%	3.9	3.9	4.0	4.1	4.0	3.9	3.9	4.0	4.1	4.3	4.2	4.1
Long Term												
Full Simulation Period[a]	4.1	4.4	4.8	4.9	5.0	4.8	4.3	4.3	4.4	4.5	4.4	4.4
Water Year Types[b]												
Wet (31%)	4.3	5.1	6.2	5.7	6.4	6.2	5.2	4.6	4.6	4.7	4.6	4.8
Above Normal (25%)	3.9	4.0	4.4	6.3	6.2	5.3	4.3	4.3	4.2	4.4	4.3	4.2
Below Normal (6%)	4.0	4.1	4.0	4.8	4.7	4.4	4.0	4.1	4.1	4.2	4.2	4.1
Dry (13%)	4.0	4.2	4.3	4.4	4.3	4.5	4.1	4.2	4.4	4.5	4.4	4.2
Critical (25%)	4.1	4.1	4.3	4.3	4.1	4.0	3.9	4.1	4.2	4.5	4.4	4.2

Alternative 8 (LLT) minus Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.8	0.5	0.2	0.1	-0.2	-0.2	0.4	0.7	0.8	0.6	0.8	0.9
20%	0.9	0.5	0.8	0.4	-0.1	0.1	0.8	0.8	0.8	0.6	0.7	1.1
30%	0.9	0.9	0.8	0.5	0.5	0.4	0.9	0.9	0.8	0.7	0.9	0.9
40%	0.9	0.9	0.8	0.8	0.4	0.6	0.9	0.9	0.9	0.7	0.8	0.9
50%	0.8	0.9	0.8	0.7	0.8	0.6	0.9	0.9	0.9	0.7	0.8	0.9
60%	0.8	0.9	0.8	0.8	1.0	0.6	0.9	0.9	0.9	0.7	0.8	0.9
70%	0.9	0.9	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.7	0.8	0.9
80%	0.9	0.9	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.7	0.8	0.9
90%	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	0.9	0.7	0.8	0.9
Long Term												
Full Simulation Period[a]	0.9	0.8	0.7	0.6	0.6	0.5	0.8	0.8	0.8	0.7	0.8	0.9
Water Year Types[b]												
Wet (31%)	0.8	0.5	0.3	0.4	0.1	-0.1	0.5	0.5	0.5	0.6	0.8	0.9
Above Normal (25%)	0.9	0.9	0.8	0.2	0.2	0.2	0.7	0.8	0.8	0.7	0.8	0.9
Below Normal (6%)	0.8	0.9	0.9	0.8	0.5	0.6	0.9	0.9	0.8	0.6	0.7	0.9
Dry (13%)	0.9	0.8	0.8	0.9	0.9	0.7	0.9	0.9	0.8	0.6	0.7	0.8
Critical (25%)	0.9	0.9	0.8	0.8	0.9	0.9	0.9	1.0	0.9	0.7	0.9	0.9

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-26-1-13. Steamboat Sl d/s of Sutter Sl, Monthly Averaged Daily Maximum Elevation

Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	3.5	4.7	6.3	6.1	7.1	6.5	4.9	3.9	3.8	4.1	3.9	3.9
20%	3.2	4.1	3.8	5.5	6.3	5.6	3.5	3.5	3.6	3.9	3.8	3.5
30%	3.2	3.4	3.8	4.6	4.8	4.6	3.4	3.4	3.6	3.9	3.6	3.5
40%	3.2	3.3	3.8	4.0	4.1	3.9	3.2	3.4	3.5	3.9	3.6	3.4
50%	3.2	3.3	3.5	3.9	3.7	3.9	3.1	3.3	3.4	3.9	3.6	3.4
60%	3.2	3.3	3.5	3.6	3.4	3.7	3.1	3.3	3.4	3.8	3.6	3.4
70%	3.1	3.2	3.4	3.5	3.3	3.3	3.1	3.2	3.4	3.8	3.5	3.3
80%	3.0	3.1	3.3	3.3	3.3	3.1	3.0	3.1	3.3	3.7	3.5	3.2
90%	3.0	3.0	3.2	3.2	3.1	2.9	2.9	3.0	3.3	3.6	3.5	3.2
Long Term												
Full Simulation Period[a]	3.2	3.6	4.1	4.3	4.5	4.3	3.6	3.5	3.6	3.9	3.6	3.5
Water Year Types[b]												
Wet (31%)	3.5	4.6	5.9	5.3	6.4	6.2	4.8	4.1	4.1	4.1	3.9	3.9
Above Normal (25%)	3.0	3.1	3.6	6.1	6.0	5.1	3.6	3.5	3.4	3.7	3.6	3.3
Below Normal (6%)	3.2	3.2	3.1	4.0	4.3	3.8	3.1	3.3	3.3	3.6	3.5	3.2
Dry (13%)	3.1	3.3	3.5	3.5	3.4	3.7	3.2	3.3	3.5	3.9	3.7	3.4
Critical (25%)	3.2	3.3	3.5	3.4	3.2	3.1	3.0	3.0	3.3	3.8	3.5	3.3

Alternative 9 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	4.3	5.1	6.8	6.8	7.7	7.0	5.6	4.6	4.6	4.8	4.7	4.9
20%	4.2	4.6	4.6	6.4	6.9	6.3	4.3	4.2	4.5	4.7	4.6	4.8
30%	4.2	4.3	4.5	5.3	5.5	5.2	4.2	4.2	4.4	4.7	4.6	4.4
40%	4.1	4.3	4.5	4.6	4.7	4.6	4.1	4.1	4.4	4.7	4.6	4.3
50%	4.1	4.2	4.3	4.6	4.4	4.5	4.0	4.1	4.3	4.6	4.5	4.3
60%	4.1	4.1	4.3	4.4	4.2	4.3	3.9	4.1	4.3	4.6	4.5	4.3
70%	4.0	4.1	4.2	4.3	4.1	4.1	3.9	4.0	4.2	4.6	4.4	4.3
80%	4.0	4.0	4.1	4.1	4.1	3.9	3.9	4.0	4.2	4.5	4.4	4.2
90%	4.0	3.9	4.1	4.0	4.0	3.8	3.8	3.9	4.2	4.4	4.3	4.1
Long Term												
Full Simulation Period[a]	4.2	4.4	4.8	5.0	5.2	5.0	4.4	4.2	4.4	4.6	4.5	4.4
Water Year Types[b]												
Wet (31%)	4.4	5.2	6.6	6.0	7.0	6.7	5.5	4.6	4.7	4.8	4.7	5.0
Above Normal (25%)	3.9	4.0	4.4	6.7	6.8	5.7	4.3	4.2	4.2	4.6	4.5	4.4
Below Normal (6%)	4.1	4.2	4.1	4.7	4.7	4.5	3.9	4.0	4.2	4.3	4.3	4.2
Dry (13%)	4.1	4.2	4.3	4.3	4.2	4.4	4.0	4.2	4.4	4.7	4.5	4.3
Critical (25%)	4.1	4.2	4.3	4.2	4.0	3.9	3.9	4.0	4.2	4.5	4.4	4.2

Alternative 9 (LLT) minus Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0.8	0.4	0.5	0.7	0.5	0.5	0.6	0.7	0.8	0.7	0.8	1.1
20%	1.0	0.5	0.7	0.9	0.6	0.7	0.8	0.7	0.9	0.8	0.8	1.4
30%	1.0	0.9	0.7	0.7	0.7	0.6	0.8	0.8	0.9	0.8	1.0	0.9
40%	0.9	0.9	0.7	0.7	0.6	0.7	0.8	0.8	0.9	0.8	0.9	0.9
50%	0.9	0.9	0.8	0.7	0.7	0.6	0.8	0.9	0.9	0.8	0.9	0.9
60%	0.9	0.9	0.8	0.8	0.8	0.5	0.8	0.9	0.9	0.8	0.9	0.9
70%	1.0	0.9	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.8	0.9	1.0
80%	1.0	0.9	0.9	0.9	0.8	0.8	0.9	0.9	0.9	0.8	0.9	1.0
90%	1.0	0.9	0.9	0.8	0.9	0.9	0.9	0.9	0.9	0.8	0.8	1.0
Long Term												
Full Simulation Period[a]	0.9	0.8	0.8	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.9	1.0
Water Year Types[b]												
Wet (31%)	0.9	0.6	0.7	0.7	0.6	0.5	0.7	0.5	0.5	0.7	0.9	1.1
Above Normal (25%)	0.9	0.9	0.8	0.6	0.8	0.7	0.7	0.7	0.8	0.9	0.9	1.1
Below Normal (6%)	0.9	1.1	0.9	0.7	0.4	0.6	0.8	0.7	0.9	0.7	0.8	1.0
Dry (13%)	1.0	0.8	0.8	0.8	0.8	0.7	0.8	0.9	0.9	0.8	0.8	0.9
Critical (25%)	0.9	0.9	0.8	0.8	0.8	0.8	0.9	1.0	0.9	0.8	0.9	0.9

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-26-1-14. Steamboat Sl d/s of Sutter Sl, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.9	5.6	7.4	7.4	8.2	7.5	6.2	5.3	5.2	5.5	5.3	5.6
20%	4.7	5.2	5.2	7.1	7.5	6.9	5.0	4.9	5.1	5.5	5.2	5.2
30%	4.7	4.9	5.2	6.0	6.2	5.9	4.8	4.8	5.0	5.5	5.2	5.0
40%	4.7	4.8	5.2	5.3	5.4	5.3	4.7	4.8	5.0	5.4	5.2	4.9
50%	4.7	4.8	5.0	5.3	5.1	5.1	4.6	4.7	4.9	5.4	5.0	4.9
60%	4.6	4.7	4.9	5.1	4.8	4.9	4.5	4.6	4.9	5.4	5.0	4.9
70%	4.6	4.7	4.9	5.0	4.7	4.7	4.5	4.6	4.9	5.3	5.0	4.8
80%	4.6	4.5	4.7	5.0	4.7	4.5	4.4	4.6	4.8	5.2	4.9	4.7
90%	4.5	4.5	4.7	4.6	4.5	4.4	4.3	4.5	4.8	5.1	4.9	4.7
Long Term												
Full Simulation Period[a]	4.7	5.0	5.5	5.7	5.8	5.6	5.0	4.8	5.0	5.4	5.1	5.0
Water Year Types[b]												
Wet (31%)	4.9	5.7	7.1	6.7	7.6	7.2	6.1	5.2	5.3	5.6	5.3	5.6
Above Normal (25%)	4.5	4.6	5.1	7.3	7.4	6.4	5.0	4.8	4.8	5.3	5.1	5.0
Below Normal (6%)	4.7	4.8	4.7	5.4	5.4	5.1	4.5	4.6	4.8	5.0	4.9	4.7
Dry (13%)	4.7	4.8	5.0	4.9	4.9	5.1	4.6	4.8	5.0	5.4	5.1	4.8
Critical (25%)	4.7	4.7	4.9	4.9	4.6	4.5	4.5	4.6	4.8	5.2	4.9	4.8

Alternative 1A,1B,1C (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.3	4.9	6.2	5.9	7.0	6.2	5.2	4.5	4.6	4.9	4.6	4.6
20%	4.3	4.5	4.7	5.6	5.9	5.7	4.3	4.3	4.5	4.7	4.6	4.4
30%	4.3	4.3	4.6	5.1	5.1	4.9	4.2	4.2	4.4	4.7	4.5	4.3
40%	4.2	4.2	4.5	4.7	4.5	4.4	4.1	4.2	4.3	4.6	4.5	4.3
50%	4.2	4.1	4.4	4.6	4.4	4.3	4.0	4.1	4.3	4.6	4.5	4.3
60%	4.1	4.1	4.3	4.4	4.3	4.3	4.0	4.1	4.3	4.6	4.4	4.3
70%	4.1	4.1	4.3	4.4	4.2	4.1	4.0	4.1	4.2	4.5	4.3	4.3
80%	4.0	4.0	4.1	4.2	4.2	4.0	4.0	4.0	4.2	4.4	4.3	4.1
90%	4.0	3.9	4.1	4.1	4.0	3.9	3.8	3.9	4.2	4.3	4.2	4.1
Long Term												
Full Simulation Period[a]	4.2	4.3	4.8	4.9	5.0	4.8	4.3	4.2	4.4	4.6	4.4	4.3
Water Year Types[b]												
Wet (31%)	4.3	5.0	6.0	5.6	6.3	6.1	5.2	4.5	4.6	4.8	4.6	4.7
Above Normal (25%)	4.0	4.0	4.4	5.9	6.3	5.3	4.2	4.2	4.2	4.5	4.4	4.2
Below Normal (6%)	4.3	4.1	4.1	4.7	4.5	4.3	4.0	4.0	4.1	4.2	4.2	4.1
Dry (13%)	4.1	4.1	4.4	4.4	4.2	4.3	4.0	4.2	4.4	4.7	4.5	4.3
Critical (25%)	4.2	4.1	4.3	4.3	4.1	3.9	3.9	4.0	4.2	4.5	4.3	4.3

Alternative 1A,1B,1C (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-0.5	-0.8	-1.3	-1.5	-1.2	-1.3	-1.0	-0.7	-0.6	-0.7	-0.7	-1.0
20%	-0.5	-0.7	-0.6	-1.4	-1.5	-1.3	-0.7	-0.6	-0.6	-0.8	-0.7	-0.9
30%	-0.4	-0.6	-0.6	-0.9	-1.1	-1.0	-0.6	-0.6	-0.6	-0.8	-0.7	-0.6
40%	-0.5	-0.6	-0.7	-0.6	-0.9	-0.8	-0.6	-0.6	-0.6	-0.8	-0.6	-0.6
50%	-0.5	-0.6	-0.6	-0.7	-0.7	-0.8	-0.6	-0.6	-0.6	-0.8	-0.6	-0.6
60%	-0.5	-0.6	-0.5	-0.6	-0.5	-0.7	-0.6	-0.5	-0.6	-0.8	-0.6	-0.6
70%	-0.5	-0.6	-0.6	-0.7	-0.6	-0.6	-0.5	-0.5	-0.6	-0.8	-0.7	-0.6
80%	-0.5	-0.5	-0.6	-0.8	-0.6	-0.5	-0.5	-0.6	-0.6	-0.8	-0.6	-0.6
90%	-0.5	-0.6	-0.6	-0.5	-0.5	-0.5	-0.6	-0.6	-0.6	-0.7	-0.7	-0.6
Long Term												
Full Simulation Period[a]	-0.5	-0.6	-0.7	-0.8	-0.8	-0.8	-0.7	-0.6	-0.6	-0.8	-0.7	-0.7
Water Year Types[b]												
Wet (31%)	-0.6	-0.7	-1.1	-1.1	-1.2	-1.1	-0.9	-0.7	-0.7	-0.8	-0.7	-0.9
Above Normal (25%)	-0.5	-0.6	-0.6	-1.4	-1.1	-1.1	-0.8	-0.6	-0.6	-0.8	-0.7	-0.8
Below Normal (6%)	-0.4	-0.7	-0.6	-0.7	-0.9	-0.8	-0.6	-0.6	-0.7	-0.8	-0.7	-0.6
Dry (13%)	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6	-0.6	-0.8	-0.6	-0.5
Critical (25%)	-0.5	-0.6	-0.6	-0.7	-0.5	-0.6	-0.6	-0.6	-0.6	-0.7	-0.6	-0.5

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-26-1-15. Steamboat Sl d/s of Sutter Sl, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.9	5.6	7.4	7.4	8.2	7.5	6.2	5.3	5.2	5.5	5.3	5.6
20%	4.7	5.2	5.2	7.1	7.5	6.9	5.0	4.9	5.1	5.5	5.2	5.2
30%	4.7	4.9	5.2	6.0	6.2	5.9	4.8	4.8	5.0	5.5	5.2	5.0
40%	4.7	4.8	5.2	5.3	5.4	5.3	4.7	4.8	5.0	5.4	5.2	4.9
50%	4.7	4.8	5.0	5.3	5.1	5.1	4.6	4.7	4.9	5.4	5.0	4.9
60%	4.6	4.7	4.9	5.1	4.8	4.9	4.5	4.6	4.9	5.4	5.0	4.9
70%	4.6	4.7	4.9	5.0	4.7	4.7	4.5	4.6	4.9	5.3	5.0	4.8
80%	4.6	4.5	4.7	5.0	4.7	4.5	4.4	4.6	4.8	5.2	4.9	4.7
90%	4.5	4.5	4.7	4.6	4.5	4.4	4.3	4.5	4.8	5.1	4.9	4.7
Long Term												
Full Simulation Period[a]	4.7	5.0	5.5	5.7	5.8	5.6	5.0	4.8	5.0	5.4	5.1	5.0
Water Year Types[b]												
Wet (31%)	4.9	5.7	7.1	6.7	7.6	7.2	6.1	5.2	5.3	5.6	5.3	5.6
Above Normal (25%)	4.5	4.6	5.1	7.3	7.4	6.4	5.0	4.8	4.8	5.3	5.1	5.0
Below Normal (6%)	4.7	4.8	4.7	5.4	5.4	5.1	4.5	4.6	4.8	5.0	4.9	4.7
Dry (13%)	4.7	4.8	5.0	4.9	4.9	5.1	4.6	4.8	5.0	5.4	5.1	4.8
Critical (25%)	4.7	4.7	4.9	4.9	4.6	4.5	4.5	4.6	4.8	5.2	4.9	4.8

Alternative 2A,2B,2C (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.3	4.9	6.1	5.9	6.8	6.2	5.2	4.6	4.6	4.9	4.6	4.8
20%	4.2	4.5	4.6	5.7	6.0	5.7	4.3	4.3	4.5	4.7	4.5	4.7
30%	4.2	4.3	4.6	5.1	5.1	4.8	4.2	4.2	4.4	4.7	4.5	4.4
40%	4.2	4.2	4.5	4.6	4.5	4.4	4.1	4.2	4.4	4.7	4.5	4.3
50%	4.1	4.1	4.4	4.6	4.4	4.3	4.0	4.1	4.3	4.6	4.4	4.3
60%	4.1	4.1	4.3	4.4	4.3	4.3	4.0	4.1	4.3	4.6	4.4	4.3
70%	4.0	4.1	4.3	4.4	4.2	4.1	3.9	4.1	4.2	4.5	4.3	4.3
80%	4.0	4.0	4.1	4.4	4.1	3.9	3.9	4.0	4.2	4.5	4.3	4.2
90%	4.0	3.9	4.1	4.1	4.0	3.9	3.8	3.9	4.1	4.3	4.2	4.1
Long Term												
Full Simulation Period[a]	4.1	4.3	4.8	4.9	5.0	4.7	4.3	4.2	4.4	4.6	4.4	4.4
Water Year Types[b]												
Wet (31%)	4.3	4.9	6.0	5.6	6.3	6.1	5.2	4.5	4.7	4.8	4.6	4.9
Above Normal (25%)	4.0	4.0	4.4	5.9	6.1	5.3	4.2	4.2	4.2	4.6	4.4	4.3
Below Normal (6%)	4.0	4.1	4.1	4.7	4.5	4.3	4.0	4.0	4.2	4.2	4.2	4.1
Dry (13%)	4.1	4.2	4.4	4.3	4.2	4.3	4.0	4.2	4.4	4.6	4.5	4.2
Critical (25%)	4.1	4.1	4.3	4.3	4.1	3.9	3.9	4.0	4.2	4.5	4.3	4.2

Alternative 2A,2B,2C (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-0.5	-0.8	-1.3	-1.4	-1.4	-1.3	-1.0	-0.7	-0.6	-0.7	-0.7	-0.8
20%	-0.5	-0.7	-0.6	-1.4	-1.5	-1.2	-0.7	-0.6	-0.6	-0.8	-0.7	-0.5
30%	-0.5	-0.7	-0.7	-0.9	-1.1	-1.1	-0.6	-0.6	-0.6	-0.8	-0.7	-0.6
40%	-0.5	-0.6	-0.6	-0.8	-0.9	-0.8	-0.6	-0.6	-0.6	-0.8	-0.7	-0.6
50%	-0.5	-0.6	-0.5	-0.7	-0.7	-0.8	-0.6	-0.6	-0.6	-0.8	-0.6	-0.6
60%	-0.5	-0.6	-0.6	-0.7	-0.5	-0.7	-0.6	-0.5	-0.6	-0.8	-0.6	-0.6
70%	-0.5	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.8	-0.7	-0.6
80%	-0.6	-0.5	-0.6	-0.6	-0.6	-0.5	-0.5	-0.6	-0.6	-0.7	-0.6	-0.5
90%	-0.6	-0.6	-0.6	-0.5	-0.6	-0.5	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6
Long Term												
Full Simulation Period[a]	-0.5	-0.7	-0.7	-0.8	-0.9	-0.9	-0.7	-0.6	-0.6	-0.8	-0.7	-0.6
Water Year Types[b]												
Wet (31%)	-0.6	-0.8	-1.1	-1.1	-1.3	-1.2	-0.9	-0.7	-0.7	-0.8	-0.7	-0.7
Above Normal (25%)	-0.5	-0.6	-0.6	-1.4	-1.3	-1.1	-0.7	-0.6	-0.6	-0.8	-0.7	-0.7
Below Normal (6%)	-0.6	-0.7	-0.6	-0.7	-0.9	-0.8	-0.6	-0.6	-0.6	-0.8	-0.7	-0.7
Dry (13%)	-0.6	-0.6	-0.6	-0.6	-0.6	-0.8	-0.6	-0.6	-0.6	-0.8	-0.7	-0.5
Critical (25%)	-0.5	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.6	-0.5

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-26-1-16. Steamboat Sl d/s of Sutter Sl, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.9	5.6	7.4	7.4	8.2	7.5	6.2	5.3	5.2	5.5	5.3	5.6
20%	4.7	5.2	5.2	7.1	7.5	6.9	5.0	4.9	5.1	5.5	5.2	5.2
30%	4.7	4.9	5.2	6.0	6.2	5.9	4.8	4.8	5.0	5.5	5.2	5.0
40%	4.7	4.8	5.2	5.3	5.4	5.3	4.7	4.8	5.0	5.4	5.2	4.9
50%	4.7	4.8	5.0	5.3	5.1	5.1	4.6	4.7	4.9	5.4	5.0	4.9
60%	4.6	4.7	4.9	5.1	4.8	4.9	4.5	4.6	4.9	5.4	5.0	4.9
70%	4.6	4.7	4.9	5.0	4.7	4.7	4.5	4.6	4.9	5.3	5.0	4.8
80%	4.6	4.5	4.7	5.0	4.7	4.5	4.4	4.6	4.8	5.2	4.9	4.7
90%	4.5	4.5	4.7	4.6	4.5	4.4	4.3	4.5	4.8	5.1	4.9	4.7
Long Term												
Full Simulation Period[a]	4.7	5.0	5.5	5.7	5.8	5.6	5.0	4.8	5.0	5.4	5.1	5.0
Water Year Types[b]												
Wet (31%)	4.9	5.7	7.1	6.7	7.6	7.2	6.1	5.2	5.3	5.6	5.3	5.6
Above Normal (25%)	4.5	4.6	5.1	7.3	7.4	6.4	5.0	4.8	4.8	5.3	5.1	5.0
Below Normal (6%)	4.7	4.8	4.7	5.4	5.4	5.1	4.5	4.6	4.8	5.0	4.9	4.7
Dry (13%)	4.7	4.8	5.0	4.9	4.9	5.1	4.6	4.8	5.0	5.4	5.1	4.8
Critical (25%)	4.7	4.7	4.9	4.9	4.6	4.5	4.5	4.6	4.8	5.2	4.9	4.8

Alternative 3 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.4	5.0	6.5	6.3	7.2	6.5	5.3	4.6	4.6	4.9	4.6	4.6
20%	4.3	4.6	4.7	6.0	6.4	5.9	4.3	4.3	4.5	4.7	4.6	4.4
30%	4.3	4.2	4.6	5.2	5.3	5.0	4.2	4.2	4.4	4.7	4.5	4.3
40%	4.2	4.2	4.5	4.7	4.6	4.5	4.1	4.2	4.3	4.6	4.5	4.3
50%	4.2	4.1	4.4	4.6	4.4	4.4	4.0	4.2	4.3	4.6	4.4	4.3
60%	4.1	4.1	4.3	4.4	4.3	4.3	4.0	4.1	4.3	4.6	4.4	4.3
70%	4.1	4.1	4.3	4.4	4.2	4.1	4.0	4.1	4.2	4.5	4.3	4.2
80%	4.0	4.0	4.1	4.2	4.1	4.0	4.0	4.0	4.2	4.4	4.3	4.1
90%	4.0	3.9	4.1	4.1	4.0	3.9	3.8	3.9	4.2	4.3	4.2	4.1
Long Term												
Full Simulation Period[a]	4.2	4.3	4.8	4.9	5.1	4.8	4.3	4.2	4.4	4.6	4.4	4.3
Water Year Types[b]												
Wet (31%)	4.3	5.1	6.3	5.7	6.6	6.3	5.3	4.6	4.7	4.8	4.6	4.6
Above Normal (25%)	4.1	4.0	4.4	6.3	6.4	5.4	4.3	4.2	4.2	4.5	4.4	4.2
Below Normal (6%)	4.2	4.1	4.1	4.7	4.6	4.4	4.0	4.0	4.1	4.1	4.2	4.1
Dry (13%)	4.1	4.1	4.4	4.4	4.2	4.4	4.0	4.2	4.4	4.7	4.5	4.3
Critical (25%)	4.2	4.1	4.3	4.3	4.1	3.9	3.9	4.0	4.2	4.5	4.3	4.3

Alternative 3 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-0.4	-0.6	-0.9	-1.1	-1.0	-1.0	-0.9	-0.7	-0.6	-0.7	-0.7	-1.0
20%	-0.4	-0.6	-0.6	-1.0	-1.1	-1.0	-0.7	-0.6	-0.6	-0.8	-0.6	-0.9
30%	-0.4	-0.7	-0.6	-0.8	-0.9	-0.9	-0.6	-0.6	-0.6	-0.8	-0.7	-0.6
40%	-0.5	-0.6	-0.7	-0.6	-0.8	-0.8	-0.6	-0.6	-0.6	-0.8	-0.7	-0.6
50%	-0.5	-0.6	-0.6	-0.7	-0.7	-0.8	-0.6	-0.6	-0.6	-0.8	-0.6	-0.6
60%	-0.5	-0.6	-0.6	-0.7	-0.5	-0.7	-0.6	-0.5	-0.6	-0.8	-0.6	-0.6
70%	-0.5	-0.6	-0.6	-0.7	-0.6	-0.6	-0.5	-0.5	-0.6	-0.8	-0.7	-0.6
80%	-0.5	-0.5	-0.6	-0.7	-0.6	-0.5	-0.5	-0.6	-0.6	-0.8	-0.6	-0.6
90%	-0.5	-0.6	-0.6	-0.5	-0.5	-0.5	-0.6	-0.5	-0.6	-0.7	-0.7	-0.6
Long Term												
Full Simulation Period[a]	-0.5	-0.6	-0.7	-0.8	-0.8	-0.8	-0.6	-0.6	-0.6	-0.8	-0.7	-0.7
Water Year Types[b]												
Wet (31%)	-0.6	-0.7	-0.8	-1.0	-1.0	-1.0	-0.8	-0.6	-0.7	-0.8	-0.7	-0.9
Above Normal (25%)	-0.4	-0.6	-0.6	-1.0	-1.0	-1.0	-0.7	-0.6	-0.6	-0.8	-0.7	-0.8
Below Normal (6%)	-0.5	-0.7	-0.6	-0.7	-0.8	-0.8	-0.6	-0.6	-0.7	-0.9	-0.7	-0.6
Dry (13%)	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6	-0.6	-0.8	-0.7	-0.5
Critical (25%)	-0.4	-0.6	-0.6	-0.6	-0.5	-0.6	-0.6	-0.6	-0.6	-0.7	-0.6	-0.5

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-26-1-17. Steamboat Sl d/s of Sutter Sl, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.9	5.6	7.4	7.4	8.2	7.5	6.2	5.3	5.2	5.5	5.3	5.6
20%	4.7	5.2	5.2	7.1	7.5	6.9	5.0	4.9	5.1	5.5	5.2	5.2
30%	4.7	4.9	5.2	6.0	6.2	5.9	4.8	4.8	5.0	5.5	5.2	5.0
40%	4.7	4.8	5.2	5.3	5.4	5.3	4.7	4.8	5.0	5.4	5.2	4.9
50%	4.7	4.8	5.0	5.3	5.1	5.1	4.6	4.7	4.9	5.4	5.0	4.9
60%	4.6	4.7	4.9	5.1	4.8	4.9	4.5	4.6	4.9	5.4	5.0	4.9
70%	4.6	4.7	4.9	5.0	4.7	4.7	4.5	4.6	4.9	5.3	5.0	4.8
80%	4.6	4.5	4.7	5.0	4.7	4.5	4.4	4.6	4.8	5.2	4.9	4.7
90%	4.5	4.5	4.7	4.6	4.5	4.4	4.3	4.5	4.8	5.1	4.9	4.7
Long Term												
Full Simulation Period[a]	4.7	5.0	5.5	5.7	5.8	5.6	5.0	4.8	5.0	5.4	5.1	5.0
Water Year Types[b]												
Wet (31%)	4.9	5.7	7.1	6.7	7.6	7.2	6.1	5.2	5.3	5.6	5.3	5.6
Above Normal (25%)	4.5	4.6	5.1	7.3	7.4	6.4	5.0	4.8	4.8	5.3	5.1	5.0
Below Normal (6%)	4.7	4.8	4.7	5.4	5.4	5.1	4.5	4.6	4.8	5.0	4.9	4.7
Dry (13%)	4.7	4.8	5.0	4.9	4.9	5.1	4.6	4.8	5.0	5.4	5.1	4.8
Critical (25%)	4.7	4.7	4.9	4.9	4.6	4.5	4.5	4.6	4.8	5.2	4.9	4.8

Alternative 4 H1 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.4	5.0	6.4	6.2	7.0	6.3	5.2	4.6	4.6	4.9	4.6	4.6
20%	4.2	4.6	4.6	5.9	6.2	5.8	4.3	4.3	4.5	4.7	4.6	4.4
30%	4.2	4.2	4.6	5.1	5.2	4.9	4.2	4.2	4.4	4.7	4.5	4.4
40%	4.2	4.2	4.5	4.6	4.5	4.5	4.1	4.2	4.4	4.7	4.5	4.3
50%	4.1	4.1	4.5	4.6	4.4	4.3	4.0	4.2	4.3	4.6	4.5	4.3
60%	4.1	4.1	4.3	4.4	4.3	4.3	4.0	4.1	4.3	4.6	4.4	4.3
70%	4.0	4.1	4.3	4.4	4.2	4.1	4.0	4.1	4.2	4.5	4.3	4.3
80%	4.0	4.0	4.1	4.4	4.1	3.9	3.9	4.0	4.2	4.4	4.3	4.1
90%	4.0	3.9	4.1	4.2	4.0	3.9	3.8	3.9	4.2	4.3	4.2	4.1
Long Term												
Full Simulation Period[a]	4.1	4.3	4.8	4.9	5.0	4.8	4.3	4.2	4.4	4.6	4.5	4.3
Water Year Types[b]												
Wet (31%)	4.3	5.0	6.2	5.6	6.5	6.2	5.2	4.5	4.6	4.8	4.7	4.6
Above Normal (25%)	4.0	4.0	4.4	6.2	6.2	5.3	4.2	4.2	4.2	4.6	4.4	4.2
Below Normal (6%)	4.1	4.1	4.1	4.7	4.5	4.3	4.0	4.0	4.2	4.2	4.2	4.1
Dry (13%)	4.1	4.1	4.4	4.3	4.2	4.4	4.0	4.2	4.4	4.7	4.5	4.3
Critical (25%)	4.1	4.1	4.3	4.3	4.1	3.9	3.9	4.0	4.2	4.5	4.3	4.3

Alternative 4 H1 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-0.5	-0.7	-1.0	-1.2	-1.2	-1.2	-1.0	-0.7	-0.6	-0.7	-0.7	-1.0
20%	-0.5	-0.6	-0.6	-1.2	-1.3	-1.1	-0.7	-0.6	-0.6	-0.8	-0.6	-0.8
30%	-0.5	-0.7	-0.6	-0.9	-1.0	-1.0	-0.6	-0.6	-0.6	-0.8	-0.7	-0.6
40%	-0.6	-0.6	-0.6	-0.7	-0.8	-0.8	-0.6	-0.6	-0.6	-0.8	-0.6	-0.6
50%	-0.5	-0.6	-0.5	-0.8	-0.7	-0.8	-0.6	-0.6	-0.6	-0.8	-0.6	-0.6
60%	-0.5	-0.6	-0.6	-0.6	-0.5	-0.7	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6
70%	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.8	-0.7	-0.6
80%	-0.6	-0.6	-0.6	-0.6	-0.6	-0.5	-0.5	-0.6	-0.6	-0.8	-0.6	-0.6
90%	-0.5	-0.6	-0.6	-0.5	-0.5	-0.5	-0.6	-0.5	-0.6	-0.7	-0.6	-0.6
Long Term												
Full Simulation Period[a]	-0.5	-0.6	-0.7	-0.8	-0.8	-0.8	-0.7	-0.6	-0.6	-0.7	-0.6	-0.7
Water Year Types[b]												
Wet (31%)	-0.6	-0.7	-1.0	-1.1	-1.1	-1.1	-0.9	-0.7	-0.7	-0.7	-0.7	-0.9
Above Normal (25%)	-0.5	-0.6	-0.6	-1.1	-1.1	-1.1	-0.7	-0.6	-0.6	-0.7	-0.7	-0.8
Below Normal (6%)	-0.5	-0.7	-0.6	-0.7	-0.8	-0.8	-0.6	-0.6	-0.6	-0.8	-0.7	-0.6
Dry (13%)	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6	-0.6	-0.8	-0.6	-0.5
Critical (25%)	-0.5	-0.6	-0.6	-0.6	-0.5	-0.6	-0.6	-0.6	-0.6	-0.7	-0.6	-0.5

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-26-1-18. Steamboat Sl d/s of Sutter Sl, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.9	5.6	7.4	7.4	8.2	7.5	6.2	5.3	5.2	5.5	5.3	5.6
20%	4.7	5.2	5.2	7.1	7.5	6.9	5.0	4.9	5.1	5.5	5.2	5.2
30%	4.7	4.9	5.2	6.0	6.2	5.9	4.8	4.8	5.0	5.5	5.2	5.0
40%	4.7	4.8	5.2	5.3	5.4	5.3	4.7	4.8	5.0	5.4	5.2	4.9
50%	4.7	4.8	5.0	5.3	5.1	5.1	4.6	4.7	4.9	5.4	5.0	4.9
60%	4.6	4.7	4.9	5.1	4.8	4.9	4.5	4.6	4.9	5.4	5.0	4.9
70%	4.6	4.7	4.9	5.0	4.7	4.7	4.5	4.6	4.9	5.3	5.0	4.8
80%	4.6	4.5	4.7	5.0	4.7	4.5	4.4	4.6	4.8	5.2	4.9	4.7
90%	4.5	4.5	4.7	4.6	4.5	4.4	4.3	4.5	4.8	5.1	4.9	4.7
Long Term												
Full Simulation Period[a]	4.7	5.0	5.5	5.7	5.8	5.6	5.0	4.8	5.0	5.4	5.1	5.0
Water Year Types[b]												
Wet (31%)	4.9	5.7	7.1	6.7	7.6	7.2	6.1	5.2	5.3	5.6	5.3	5.6
Above Normal (25%)	4.5	4.6	5.1	7.3	7.4	6.4	5.0	4.8	4.8	5.3	5.1	5.0
Below Normal (6%)	4.7	4.8	4.7	5.4	5.4	5.1	4.5	4.6	4.8	5.0	4.9	4.7
Dry (13%)	4.7	4.8	5.0	4.9	4.9	5.1	4.6	4.8	5.0	5.4	5.1	4.8
Critical (25%)	4.7	4.7	4.9	4.9	4.6	4.5	4.5	4.6	4.8	5.2	4.9	4.8

Alternative 4 H2 (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.4	5.0	6.4	6.2	7.0	6.3	5.2	4.6	4.6	4.8	4.6	4.6
20%	4.3	4.6	4.6	5.9	6.2	5.8	4.3	4.3	4.5	4.7	4.5	4.4
30%	4.2	4.2	4.6	5.1	5.2	5.0	4.2	4.3	4.4	4.7	4.5	4.4
40%	4.2	4.2	4.5	4.6	4.6	4.5	4.2	4.2	4.3	4.6	4.5	4.3
50%	4.1	4.1	4.4	4.6	4.4	4.3	4.1	4.2	4.3	4.5	4.4	4.3
60%	4.0	4.1	4.4	4.4	4.3	4.3	4.0	4.2	4.2	4.5	4.4	4.3
70%	4.0	4.1	4.3	4.4	4.2	4.1	4.0	4.0	4.2	4.5	4.4	4.2
80%	4.0	4.0	4.1	4.4	4.1	4.0	3.9	4.0	4.2	4.4	4.3	4.1
90%	4.0	3.9	4.0	4.2	4.0	3.9	3.8	3.9	4.1	4.3	4.2	4.1
Long Term												
Full Simulation Period[a]	4.2	4.3	4.8	4.9	5.0	4.8	4.3	4.2	4.3	4.6	4.5	4.3
Water Year Types[b]												
Wet (31%)	4.3	5.0	6.2	5.6	6.4	6.2	5.3	4.6	4.6	4.8	4.7	4.6
Above Normal (25%)	4.0	4.0	4.5	6.2	6.3	5.3	4.4	4.3	4.2	4.4	4.4	4.2
Below Normal (6%)	4.0	4.1	4.0	4.7	4.6	4.4	4.0	4.0	4.2	4.2	4.2	4.1
Dry (13%)	4.1	4.1	4.3	4.3	4.2	4.4	4.0	4.2	4.4	4.6	4.5	4.2
Critical (25%)	4.2	4.1	4.3	4.3	4.1	3.9	3.9	4.0	4.2	4.5	4.3	4.3

Alternative 4 H2 (LLT) minus No Action Alternative (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-0.5	-0.6	-1.0	-1.1	-1.2	-1.2	-1.0	-0.7	-0.7	-0.7	-0.7	-1.0
20%	-0.5	-0.6	-0.6	-1.2	-1.3	-1.1	-0.7	-0.6	-0.6	-0.8	-0.7	-0.9
30%	-0.5	-0.7	-0.7	-0.9	-1.0	-0.9	-0.6	-0.6	-0.6	-0.8	-0.7	-0.6
40%	-0.5	-0.6	-0.6	-0.8	-0.8	-0.8	-0.5	-0.5	-0.6	-0.8	-0.7	-0.6
50%	-0.6	-0.6	-0.6	-0.8	-0.7	-0.8	-0.4	-0.5	-0.6	-0.9	-0.6	-0.6
60%	-0.6	-0.6	-0.5	-0.6	-0.5	-0.7	-0.6	-0.5	-0.7	-0.8	-0.6	-0.6
70%	-0.5	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.8	-0.7	-0.6
80%	-0.5	-0.5	-0.6	-0.6	-0.6	-0.5	-0.5	-0.6	-0.6	-0.8	-0.6	-0.6
90%	-0.6	-0.6	-0.7	-0.4	-0.5	-0.5	-0.5	-0.5	-0.6	-0.8	-0.6	-0.6
Long Term												
Full Simulation Period[a]	-0.5	-0.6	-0.7	-0.8	-0.8	-0.8	-0.6	-0.6	-0.7	-0.8	-0.6	-0.7
Water Year Types[b]												
Wet (31%)	-0.6	-0.7	-0.9	-1.1	-1.1	-1.1	-0.8	-0.6	-0.7	-0.8	-0.7	-0.9
Above Normal (25%)	-0.5	-0.6	-0.6	-1.1	-1.1	-1.1	-0.6	-0.5	-0.7	-0.9	-0.7	-0.8
Below Normal (6%)	-0.6	-0.7	-0.7	-0.7	-0.8	-0.7	-0.6	-0.6	-0.6	-0.8	-0.7	-0.6
Dry (13%)	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6	-0.6	-0.8	-0.7	-0.5
Critical (25%)	-0.5	-0.6	-0.6	-0.6	-0.5	-0.6	-0.6	-0.6	-0.6	-0.7	-0.6	-0.5

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-26-1-19. Steamboat Sl d/s of Sutter Sl, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.9	5.6	7.4	7.4	8.2	7.5	6.2	5.3	5.2	5.5	5.3	5.6
20%	4.7	5.2	5.2	7.1	7.5	6.9	5.0	4.9	5.1	5.5	5.2	5.2
30%	4.7	4.9	5.2	6.0	6.2	5.9	4.8	4.8	5.0	5.5	5.2	5.0
40%	4.7	4.8	5.2	5.3	5.4	5.3	4.7	4.8	5.0	5.4	5.2	4.9
50%	4.7	4.8	5.0	5.3	5.1	5.1	4.6	4.7	4.9	5.4	5.0	4.9
60%	4.6	4.7	4.9	5.1	4.8	4.9	4.5	4.6	4.9	5.4	5.0	4.9
70%	4.6	4.7	4.9	5.0	4.7	4.7	4.5	4.6	4.9	5.3	5.0	4.8
80%	4.6	4.5	4.7	5.0	4.7	4.5	4.4	4.6	4.8	5.2	4.9	4.7
90%	4.5	4.5	4.7	4.6	4.5	4.4	4.3	4.5	4.8	5.1	4.9	4.7
Long Term												
Full Simulation Period[a]	4.7	5.0	5.5	5.7	5.8	5.6	5.0	4.8	5.0	5.4	5.1	5.0
Water Year Types[b]												
Wet (31%)	4.9	5.7	7.1	6.7	7.6	7.2	6.1	5.2	5.3	5.6	5.3	5.6
Above Normal (25%)	4.5	4.6	5.1	7.3	7.4	6.4	5.0	4.8	4.8	5.3	5.1	5.0
Below Normal (6%)	4.7	4.8	4.7	5.4	5.4	5.1	4.5	4.6	4.8	5.0	4.9	4.7
Dry (13%)	4.7	4.8	5.0	4.9	4.9	5.1	4.6	4.8	5.0	5.4	5.1	4.8
Critical (25%)	4.7	4.7	4.9	4.9	4.6	4.5	4.5	4.6	4.8	5.2	4.9	4.8

Alternative 4 H3 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.3	5.0	6.3	6.1	7.0	6.3	5.2	4.6	4.6	4.9	4.6	4.8
20%	4.2	4.6	4.6	5.9	6.2	5.8	4.3	4.3	4.5	4.7	4.6	4.6
30%	4.2	4.3	4.6	5.1	5.2	4.8	4.2	4.2	4.4	4.7	4.5	4.4
40%	4.2	4.2	4.5	4.6	4.5	4.5	4.1	4.2	4.4	4.7	4.5	4.3
50%	4.1	4.1	4.5	4.6	4.4	4.3	4.0	4.2	4.3	4.6	4.4	4.3
60%	4.0	4.1	4.4	4.5	4.3	4.3	4.0	4.1	4.3	4.6	4.4	4.3
70%	4.0	4.1	4.3	4.4	4.2	4.1	3.9	4.1	4.2	4.5	4.4	4.3
80%	4.0	4.0	4.1	4.4	4.1	3.9	3.9	4.0	4.2	4.4	4.3	4.2
90%	4.0	3.9	4.0	4.1	4.0	3.9	3.8	3.9	4.1	4.3	4.2	4.1
Long Term												
Full Simulation Period[a]	4.1	4.3	4.8	4.9	5.0	4.8	4.3	4.2	4.4	4.6	4.4	4.4
Water Year Types[b]												
Wet (31%)	4.3	5.0	6.2	5.6	6.4	6.2	5.2	4.5	4.6	4.8	4.7	4.8
Above Normal (25%)	4.0	4.0	4.5	6.1	6.2	5.3	4.2	4.2	4.2	4.6	4.4	4.3
Below Normal (6%)	4.0	4.1	4.0	4.7	4.5	4.3	4.0	4.0	4.2	4.2	4.2	4.1
Dry (13%)	4.1	4.2	4.4	4.3	4.2	4.3	4.0	4.2	4.4	4.7	4.5	4.3
Critical (25%)	4.1	4.1	4.3	4.3	4.1	3.9	3.9	4.0	4.2	4.5	4.3	4.2

Alternative 4 H3 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-0.5	-0.7	-1.1	-1.2	-1.2	-1.2	-1.0	-0.7	-0.6	-0.7	-0.7	-0.8
20%	-0.5	-0.6	-0.6	-1.2	-1.3	-1.1	-0.7	-0.6	-0.6	-0.8	-0.6	-0.6
30%	-0.5	-0.7	-0.7	-0.9	-1.0	-1.1	-0.6	-0.6	-0.6	-0.8	-0.7	-0.6
40%	-0.5	-0.6	-0.6	-0.8	-0.8	-0.8	-0.6	-0.6	-0.6	-0.8	-0.7	-0.6
50%	-0.6	-0.6	-0.5	-0.7	-0.7	-0.8	-0.6	-0.6	-0.6	-0.8	-0.6	-0.5
60%	-0.6	-0.6	-0.5	-0.6	-0.5	-0.7	-0.6	-0.5	-0.6	-0.7	-0.6	-0.6
70%	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.8	-0.7	-0.6
80%	-0.6	-0.6	-0.6	-0.6	-0.6	-0.5	-0.5	-0.6	-0.6	-0.7	-0.7	-0.6
90%	-0.6	-0.6	-0.6	-0.5	-0.5	-0.5	-0.6	-0.5	-0.6	-0.7	-0.6	-0.6
Long Term												
Full Simulation Period[a]	-0.6	-0.6	-0.7	-0.8	-0.8	-0.8	-0.7	-0.6	-0.6	-0.8	-0.7	-0.6
Water Year Types[b]												
Wet (31%)	-0.6	-0.7	-1.0	-1.1	-1.1	-1.1	-0.8	-0.7	-0.7	-0.7	-0.7	-0.7
Above Normal (25%)	-0.5	-0.6	-0.6	-1.2	-1.2	-1.1	-0.7	-0.6	-0.6	-0.7	-0.7	-0.7
Below Normal (6%)	-0.6	-0.7	-0.7	-0.7	-0.8	-0.8	-0.6	-0.6	-0.6	-0.8	-0.7	-0.6
Dry (13%)	-0.6	-0.6	-0.6	-0.6	-0.6	-0.8	-0.6	-0.6	-0.6	-0.8	-0.7	-0.5
Critical (25%)	-0.5	-0.6	-0.5	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.8	-0.6	-0.5

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-26-1-20. Steamboat Sl d/s of Sutter Sl, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	4.9	5.6	7.4	7.4	8.2	7.5	6.2	5.3	5.2	5.5	5.3	5.6
20%	4.7	5.2	5.2	7.1	7.5	6.9	5.0	4.9	5.1	5.5	5.2	5.2
30%	4.7	4.9	5.2	6.0	6.2	5.9	4.8	4.8	5.0	5.5	5.2	5.0
40%	4.7	4.8	5.2	5.3	5.4	5.3	4.7	4.8	5.0	5.4	5.2	4.9
50%	4.7	4.8	5.0	5.3	5.1	5.1	4.6	4.7	4.9	5.4	5.0	4.9
60%	4.6	4.7	4.9	5.1	4.8	4.9	4.5	4.6	4.9	5.4	5.0	4.9
70%	4.6	4.7	4.9	5.0	4.7	4.7	4.5	4.6	4.9	5.3	5.0	4.8
80%	4.6	4.5	4.7	5.0	4.7	4.5	4.4	4.6	4.8	5.2	4.9	4.7
90%	4.5	4.5	4.7	4.6	4.5	4.4	4.3	4.5	4.8	5.1	4.9	4.7
Long Term												
Full Simulation Period[a]	4.7	5.0	5.5	5.7	5.8	5.6	5.0	4.8	5.0	5.4	5.1	5.0
Water Year Types[b]												
Wet (31%)	4.9	5.7	7.1	6.7	7.6	7.2	6.1	5.2	5.3	5.6	5.3	5.6
Above Normal (25%)	4.5	4.6	5.1	7.3	7.4	6.4	5.0	4.8	4.8	5.3	5.1	5.0
Below Normal (6%)	4.7	4.8	4.7	5.4	5.4	5.1	4.5	4.6	4.8	5.0	4.9	4.7
Dry (13%)	4.7	4.8	5.0	4.9	4.9	5.1	4.6	4.8	5.0	5.4	5.1	4.8
Critical (25%)	4.7	4.7	4.9	4.9	4.6	4.5	4.5	4.6	4.8	5.2	4.9	4.8

Alternative 4 H4 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	4.3	4.9	6.3	6.2	7.0	6.3	5.2	4.6	4.6	4.8	4.6	4.8
20%	4.2	4.6	4.6	5.9	6.2	5.8	4.3	4.3	4.5	4.7	4.6	4.6
30%	4.2	4.3	4.6	5.1	5.2	5.0	4.2	4.3	4.4	4.6	4.5	4.4
40%	4.2	4.2	4.5	4.6	4.6	4.5	4.2	4.2	4.3	4.6	4.5	4.3
50%	4.1	4.1	4.4	4.5	4.4	4.3	4.1	4.2	4.3	4.5	4.4	4.3
60%	4.1	4.1	4.4	4.4	4.3	4.3	4.0	4.2	4.2	4.5	4.4	4.3
70%	4.0	4.1	4.3	4.4	4.2	4.1	4.0	4.1	4.2	4.5	4.4	4.3
80%	4.0	4.0	4.1	4.2	4.1	4.0	3.9	4.0	4.2	4.4	4.3	4.2
90%	4.0	3.9	4.1	4.1	4.0	3.9	3.8	3.9	4.1	4.3	4.2	4.1
Long Term												
Full Simulation Period[a]	4.1	4.3	4.8	4.9	5.0	4.8	4.3	4.2	4.3	4.6	4.5	4.4
Water Year Types[b]												
Wet (31%)	4.3	5.0	6.1	5.6	6.4	6.2	5.3	4.6	4.6	4.8	4.7	4.8
Above Normal (25%)	4.0	4.0	4.5	6.2	6.2	5.3	4.4	4.3	4.2	4.4	4.4	4.3
Below Normal (6%)	4.0	4.1	4.1	4.7	4.6	4.3	4.0	4.0	4.2	4.2	4.2	4.1
Dry (13%)	4.1	4.2	4.3	4.3	4.2	4.4	4.0	4.2	4.4	4.6	4.5	4.2
Critical (25%)	4.1	4.1	4.3	4.3	4.1	3.9	3.9	4.0	4.2	4.5	4.4	4.3

Alternative 4 H4 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	**-0.5**	**-0.7**	**-1.1**	**-1.2**	**-1.2**	**-1.2**	**-1.0**	**-0.7**	**-0.7**	**-0.7**	**-0.7**	**-0.8**
20%	**-0.5**	**-0.6**	**-0.6**	**-1.2**	**-1.3**	**-1.1**	**-0.7**	**-0.6**	**-0.6**	**-0.8**	**-0.7**	**-0.6**
30%	**-0.5**	**-0.7**	**-0.7**	**-0.9**	**-1.0**	**-1.0**	**-0.6**	**-0.6**	**-0.6**	**-0.8**	**-0.7**	**-0.6**
40%	**-0.6**	**-0.6**	**-0.6**	**-0.8**	**-0.8**	**-0.8**	**-0.5**	**-0.5**	**-0.6**	**-0.8**	**-0.7**	**-0.6**
50%	**-0.5**	**-0.6**	**-0.6**	**-0.8**	**-0.7**	**-0.8**	**-0.4**	**-0.5**	**-0.6**	**-0.9**	**-0.6**	**-0.5**
60%	**-0.5**	**-0.6**	**-0.5**	**-0.7**	**-0.5**	**-0.7**	**-0.6**	**-0.5**	**-0.7**	**-0.8**	**-0.6**	**-0.5**
70%	**-0.6**	**-0.6**	**-0.6**	**-0.6**	**-0.6**	**-0.6**	**-0.6**	**-0.6**	**-0.7**	**-0.8**	**-0.7**	**-0.6**
80%	**-0.6**	**-0.5**	**-0.6**	**-0.7**	**-0.6**	**-0.5**	**-0.5**	**-0.6**	**-0.6**	**-0.8**	**-0.6**	**-0.6**
90%	**-0.6**	**-0.6**	**-0.6**	**-0.5**	**-0.5**	**-0.5**	**-0.5**	**-0.5**	**-0.6**	**-0.7**	**-0.6**	**-0.6**
Long Term												
Full Simulation Period[a]	**-0.5**	**-0.6**	**-0.7**	**-0.8**	**-0.8**	**-0.8**	**-0.6**	**-0.6**	**-0.7**	**-0.8**	**-0.6**	**-0.6**
Water Year Types[b]												
Wet (31%)	**-0.6**	**-0.7**	**-1.0**	**-1.1**	**-1.1**	**-1.1**	**-0.8**	**-0.6**	**-0.7**	**-0.8**	**-0.7**	**-0.7**
Above Normal (25%)	**-0.5**	**-0.6**	**-0.6**	**-1.1**	**-1.1**	**-1.1**	**-0.6**	**-0.5**	**-0.7**	**-0.9**	**-0.7**	**-0.7**
Below Normal (6%)	**-0.7**	**-0.7**	**-0.6**	**-0.7**	**-0.8**	**-0.8**	**-0.6**	**-0.6**	**-0.6**	**-0.8**	**-0.7**	**-0.6**
Dry (13%)	**-0.6**	**-0.6**	**-0.6**	**-0.6**	**-0.6**	**-0.7**	**-0.6**	**-0.6**	**-0.6**	**-0.8**	**-0.7**	**-0.5**
Critical (25%)	**-0.5**	**-0.6**	**-0.6**	**-0.7**	**-0.5**	**-0.6**	**-0.6**	**-0.6**	**-0.6**	**-0.7**	**-0.6**	**-0.5**

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-26-1-21. Steamboat Sl d/s of Sutter Sl, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.9	5.6	7.4	7.4	8.2	7.5	6.2	5.3	5.2	5.5	5.3	5.6
20%	4.7	5.2	5.2	7.1	7.5	6.9	5.0	4.9	5.1	5.5	5.2	5.2
30%	4.7	4.9	5.2	6.0	6.2	5.9	4.8	4.8	5.0	5.5	5.2	5.0
40%	4.7	4.8	5.2	5.3	5.4	5.3	4.7	4.8	5.0	5.4	5.2	4.9
50%	4.7	4.8	5.0	5.3	5.1	5.1	4.6	4.7	4.9	5.4	5.0	4.9
60%	4.6	4.7	4.9	5.1	4.8	4.9	4.5	4.6	4.9	5.4	5.0	4.9
70%	4.6	4.7	4.9	5.0	4.7	4.7	4.5	4.6	4.9	5.3	5.0	4.8
80%	4.6	4.5	4.7	5.0	4.7	4.5	4.4	4.6	4.8	5.2	4.9	4.7
90%	4.5	4.5	4.7	4.6	4.5	4.4	4.3	4.5	4.8	5.1	4.9	4.7
Long Term												
Full Simulation Period[a]	4.7	5.0	5.5	5.7	5.8	5.6	5.0	4.8	5.0	5.4	5.1	5.0
Water Year Types[b]												
Wet (31%)	4.9	5.7	7.1	6.7	7.6	7.2	6.1	5.2	5.3	5.6	5.3	5.6
Above Normal (25%)	4.5	4.6	5.1	7.3	7.4	6.4	5.0	4.8	4.8	5.3	5.1	5.0
Below Normal (6%)	4.7	4.8	4.7	5.4	5.4	5.1	4.5	4.6	4.8	5.0	4.9	4.7
Dry (13%)	4.7	4.8	5.0	4.9	4.9	5.1	4.6	4.8	5.0	5.4	5.1	4.8
Critical (25%)	4.7	4.7	4.9	4.9	4.6	4.5	4.5	4.6	4.8	5.2	4.9	4.8

Alternative 5 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.3	5.0	6.6	6.5	7.3	6.6	5.4	4.6	4.6	4.9	4.7	4.8
20%	4.3	4.6	4.6	6.1	6.5	6.0	4.3	4.3	4.5	4.8	4.6	4.7
30%	4.2	4.3	4.6	5.2	5.3	5.1	4.2	4.2	4.4	4.7	4.5	4.3
40%	4.2	4.2	4.5	4.6	4.6	4.5	4.1	4.2	4.4	4.7	4.5	4.3
50%	4.1	4.2	4.4	4.6	4.4	4.4	4.0	4.2	4.3	4.6	4.4	4.3
60%	4.0	4.1	4.3	4.4	4.3	4.3	4.0	4.1	4.3	4.6	4.4	4.3
70%	4.0	4.1	4.3	4.4	4.2	4.1	4.0	4.1	4.2	4.5	4.3	4.2
80%	4.0	4.0	4.1	4.3	4.2	4.0	3.9	4.0	4.2	4.5	4.3	4.2
90%	3.9	3.9	4.1	4.1	4.0	3.9	3.8	3.9	4.1	4.4	4.2	4.1
Long Term												
Full Simulation Period[a]	4.1	4.4	4.8	5.0	5.1	4.9	4.4	4.2	4.4	4.6	4.4	4.4
Water Year Types[b]												
Wet (31%)	4.3	5.1	6.3	5.8	6.7	6.4	5.4	4.6	4.7	4.8	4.7	4.9
Above Normal (25%)	3.9	4.0	4.4	6.4	6.5	5.5	4.3	4.2	4.2	4.6	4.4	4.3
Below Normal (6%)	4.0	4.1	4.1	4.7	4.6	4.4	4.0	4.0	4.2	4.3	4.2	4.1
Dry (13%)	4.1	4.1	4.3	4.3	4.2	4.4	4.0	4.2	4.4	4.7	4.5	4.2
Critical (25%)	4.1	4.1	4.3	4.3	4.1	3.9	3.9	4.0	4.2	4.5	4.3	4.2

Alternative 5 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-0.5	-0.6	-0.8	-0.9	-0.9	-0.9	-0.8	-0.7	-0.6	-0.7	-0.7	-0.8
20%	-0.5	-0.6	-0.6	-0.9	-0.9	-0.9	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6
30%	-0.5	-0.7	-0.7	-0.8	-0.8	-0.9	-0.6	-0.6	-0.6	-0.7	-0.7	-0.6
40%	-0.5	-0.6	-0.6	-0.7	-0.8	-0.7	-0.6	-0.6	-0.6	-0.8	-0.7	-0.6
50%	-0.6	-0.6	-0.6	-0.7	-0.7	-0.7	-0.6	-0.6	-0.6	-0.8	-0.6	-0.6
60%	-0.6	-0.6	-0.6	-0.6	-0.5	-0.7	-0.6	-0.6	-0.6	-0.7	-0.7	-0.6
70%	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.8	-0.7	-0.6
80%	-0.6	-0.5	-0.6	-0.6	-0.5	-0.5	-0.5	-0.6	-0.6	-0.7	-0.6	-0.5
90%	-0.6	-0.6	-0.6	-0.5	-0.5	-0.5	-0.6	-0.5	-0.6	-0.7	-0.7	-0.6
Long Term												
Full Simulation Period[a]	-0.6	-0.6	-0.7	-0.7	-0.7	-0.7	-0.6	-0.6	-0.6	-0.7	-0.7	-0.6
Water Year Types[b]												
Wet (31%)	-0.6	-0.6	-0.8	-0.9	-0.9	-0.8	-0.7	-0.6	-0.6	-0.7	-0.7	-0.7
Above Normal (25%)	-0.6	-0.6	-0.6	-0.9	-0.9	-0.9	-0.7	-0.6	-0.6	-0.7	-0.7	-0.7
Below Normal (6%)	-0.7	-0.7	-0.6	-0.7	-0.8	-0.7	-0.6	-0.6	-0.6	-0.7	-0.7	-0.7
Dry (13%)	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6	-0.6	-0.8	-0.7	-0.6
Critical (25%)	-0.5	-0.6	-0.6	-0.6	-0.5	-0.6	-0.5	-0.6	-0.6	-0.7	-0.6	-0.5

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-26-1-22. Steamboat Sl d/s of Sutter Sl, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.9	5.6	7.4	7.4	8.2	7.5	6.2	5.3	5.2	5.5	5.3	5.6
20%	4.7	5.2	5.2	7.1	7.5	6.9	5.0	4.9	5.1	5.5	5.2	5.2
30%	4.7	4.9	5.2	6.0	6.2	5.9	4.8	4.8	5.0	5.5	5.2	5.0
40%	4.7	4.8	5.2	5.3	5.4	5.3	4.7	4.8	5.0	5.4	5.2	4.9
50%	4.7	4.8	5.0	5.3	5.1	5.1	4.6	4.7	4.9	5.4	5.0	4.9
60%	4.6	4.7	4.9	5.1	4.8	4.9	4.5	4.6	4.9	5.4	5.0	4.9
70%	4.6	4.7	4.9	5.0	4.7	4.7	4.5	4.6	4.9	5.3	5.0	4.8
80%	4.6	4.5	4.7	5.0	4.7	4.5	4.4	4.6	4.8	5.2	4.9	4.7
90%	4.5	4.5	4.7	4.6	4.5	4.4	4.3	4.5	4.8	5.1	4.9	4.7
Long Term												
Full Simulation Period[a]	4.7	5.0	5.5	5.7	5.8	5.6	5.0	4.8	5.0	5.4	5.1	5.0
Water Year Types[b]												
Wet (31%)	4.9	5.7	7.1	6.7	7.6	7.2	6.1	5.2	5.3	5.6	5.3	5.6
Above Normal (25%)	4.5	4.6	5.1	7.3	7.4	6.4	5.0	4.8	4.8	5.3	5.1	5.0
Below Normal (6%)	4.7	4.8	4.7	5.4	5.4	5.1	4.5	4.6	4.8	5.0	4.9	4.7
Dry (13%)	4.7	4.8	5.0	4.9	4.9	5.1	4.6	4.8	5.0	5.4	5.1	4.8
Critical (25%)	4.7	4.7	4.9	4.9	4.6	4.5	4.5	4.6	4.8	5.2	4.9	4.8

Alternative 6A,6B,6C (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.3	5.1	6.3	6.0	6.7	6.1	5.2	4.5	4.5	4.8	4.7	4.8
20%	4.2	4.6	4.6	5.6	5.9	5.6	4.3	4.3	4.4	4.6	4.6	4.6
30%	4.2	4.3	4.6	5.1	5.1	4.8	4.2	4.2	4.4	4.6	4.5	4.4
40%	4.1	4.2	4.6	4.6	4.5	4.4	4.1	4.2	4.3	4.6	4.5	4.4
50%	4.1	4.2	4.4	4.6	4.5	4.3	4.0	4.2	4.3	4.6	4.5	4.3
60%	4.1	4.2	4.3	4.4	4.4	4.3	4.0	4.1	4.2	4.5	4.4	4.3
70%	4.0	4.1	4.3	4.4	4.2	4.1	4.0	4.0	4.2	4.5	4.4	4.3
80%	4.0	4.0	4.1	4.2	4.1	4.0	3.9	4.0	4.1	4.5	4.3	4.2
90%	4.0	3.9	4.0	4.1	4.0	3.8	3.8	3.9	4.1	4.3	4.3	4.1
Long Term												
Full Simulation Period[a]	4.1	4.4	4.8	4.8	4.9	4.7	4.3	4.2	4.3	4.6	4.5	4.4
Water Year Types[b]												
Wet (31%)	4.3	5.0	6.1	5.5	6.2	6.0	5.1	4.5	4.6	4.8	4.7	4.8
Above Normal (25%)	3.9	4.0	4.4	6.0	6.0	5.2	4.2	4.2	4.1	4.5	4.4	4.2
Below Normal (6%)	4.1	4.1	4.0	4.7	4.5	4.3	4.0	4.0	4.2	4.3	4.3	4.2
Dry (13%)	4.1	4.2	4.3	4.3	4.2	4.3	4.0	4.2	4.3	4.6	4.5	4.3
Critical (25%)	4.1	4.2	4.3	4.3	4.1	3.9	3.9	4.0	4.2	4.5	4.4	4.3

Alternative 6A,6B,6C (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-0.5	-0.5	-1.1	-1.4	-1.5	-1.4	-1.1	-0.7	-0.7	-0.7	-0.7	-0.8
20%	-0.5	-0.6	-0.6	-1.4	-1.5	-1.3	-0.7	-0.7	-0.7	-0.9	-0.6	-0.7
30%	-0.5	-0.6	-0.7	-0.9	-1.1	-1.1	-0.6	-0.6	-0.7	-0.8	-0.7	-0.6
40%	-0.6	-0.6	-0.6	-0.7	-0.9	-0.8	-0.6	-0.6	-0.7	-0.8	-0.7	-0.5
50%	-0.6	-0.6	-0.6	-0.7	-0.7	-0.8	-0.6	-0.6	-0.6	-0.8	-0.6	-0.5
60%	-0.6	-0.6	-0.6	-0.6	-0.4	-0.7	-0.6	-0.6	-0.7	-0.8	-0.6	-0.5
70%	-0.5	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.8	-0.7	-0.6
80%	-0.5	-0.6	-0.6	-0.8	-0.6	-0.5	-0.5	-0.6	-0.7	-0.7	-0.6	-0.5
90%	-0.5	-0.6	-0.6	-0.5	-0.5	-0.6	-0.6	-0.6	-0.6	-0.7	-0.6	-0.5
Long Term												
Full Simulation Period[a]	-0.5	-0.6	-0.7	-0.9	-0.9	-0.9	-0.7	-0.6	-0.7	-0.8	-0.6	-0.6
Water Year Types[b]												
Wet (31%)	-0.6	-0.7	-1.0	-1.2	-1.3	-1.2	-0.9	-0.7	-0.7	-0.8	-0.7	-0.8
Above Normal (25%)	-0.6	-0.6	-0.6	-1.3	-1.4	-1.2	-0.8	-0.6	-0.7	-0.8	-0.7	-0.7
Below Normal (6%)	-0.6	-0.7	-0.7	-0.7	-0.8	-0.8	-0.6	-0.6	-0.7	-0.7	-0.6	-0.5
Dry (13%)	-0.5	-0.6	-0.6	-0.6	-0.6	-0.8	-0.6	-0.6	-0.7	-0.8	-0.7	-0.5
Critical (25%)	-0.5	-0.6	-0.6	-0.7	-0.5	-0.6	-0.6	-0.6	-0.6	-0.7	-0.5	-0.5

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-26-1-23. Steamboat Sl d/s of Sutter Sl, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.9	5.6	7.4	7.4	8.2	7.5	6.2	5.3	5.2	5.5	5.3	5.6
20%	4.7	5.2	5.2	7.1	7.5	6.9	5.0	4.9	5.1	5.5	5.2	5.2
30%	4.7	4.9	5.2	6.0	6.2	5.9	4.8	4.8	5.0	5.5	5.2	5.0
40%	4.7	4.8	5.2	5.3	5.4	5.3	4.7	4.8	5.0	5.4	5.2	4.9
50%	4.7	4.8	5.0	5.3	5.1	5.1	4.6	4.7	4.9	5.4	5.0	4.9
60%	4.6	4.7	4.9	5.1	4.8	4.9	4.5	4.6	4.9	5.4	5.0	4.9
70%	4.6	4.7	4.9	5.0	4.7	4.7	4.5	4.6	4.9	5.3	5.0	4.8
80%	4.6	4.5	4.7	5.0	4.7	4.5	4.4	4.6	4.8	5.2	4.9	4.7
90%	4.5	4.5	4.7	4.6	4.5	4.4	4.3	4.5	4.8	5.1	4.9	4.7
Long Term												
Full Simulation Period[a]	4.7	5.0	5.5	5.7	5.8	5.6	5.0	4.8	5.0	5.4	5.1	5.0
Water Year Types[b]												
Wet (31%)	4.9	5.7	7.1	6.7	7.6	7.2	6.1	5.2	5.3	5.6	5.3	5.6
Above Normal (25%)	4.5	4.6	5.1	7.3	7.4	6.4	5.0	4.8	4.8	5.3	5.1	5.0
Below Normal (6%)	4.7	4.8	4.7	5.4	5.4	5.1	4.5	4.6	4.8	5.0	4.9	4.7
Dry (13%)	4.7	4.8	5.0	4.9	4.9	5.1	4.6	4.8	5.0	5.4	5.1	4.8
Critical (25%)	4.7	4.7	4.9	4.9	4.6	4.5	4.5	4.6	4.8	5.2	4.9	4.8

Alternative 7 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.3	5.0	6.5	6.2	7.0	6.3	5.2	4.5	4.6	4.8	4.7	4.8
20%	4.2	4.6	4.6	5.9	6.2	5.7	4.3	4.3	4.5	4.8	4.6	4.6
30%	4.2	4.3	4.6	5.1	5.2	4.9	4.2	4.2	4.4	4.7	4.5	4.4
40%	4.2	4.2	4.6	4.6	4.5	4.4	4.1	4.2	4.4	4.6	4.5	4.3
50%	4.1	4.2	4.4	4.6	4.5	4.3	4.0	4.2	4.3	4.6	4.4	4.3
60%	4.1	4.2	4.3	4.4	4.4	4.3	4.0	4.1	4.3	4.6	4.4	4.3
70%	4.0	4.1	4.3	4.4	4.2	4.1	4.0	4.0	4.2	4.5	4.4	4.3
80%	4.0	4.0	4.1	4.2	4.1	4.0	3.9	4.0	4.2	4.5	4.3	4.2
90%	4.0	3.9	4.1	4.1	4.0	3.8	3.8	3.9	4.1	4.4	4.3	4.1
Long Term												
Full Simulation Period[a]	4.1	4.4	4.8	4.9	5.0	4.8	4.3	4.2	4.4	4.6	4.5	4.4
Water Year Types[b]												
Wet (31%)	4.3	5.0	6.2	5.6	6.4	6.2	5.2	4.5	4.7	4.8	4.6	4.9
Above Normal (25%)	3.9	4.0	4.4	6.2	6.2	5.3	4.2	4.2	4.2	4.5	4.4	4.3
Below Normal (6%)	4.1	4.1	4.0	4.7	4.5	4.4	4.0	4.0	4.1	4.3	4.3	4.1
Dry (13%)	4.1	4.2	4.3	4.3	4.2	4.3	4.0	4.2	4.4	4.7	4.5	4.2
Critical (25%)	4.1	4.2	4.3	4.3	4.1	3.9	3.9	4.0	4.2	4.5	4.4	4.2

Alternative 7 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-0.5	-0.6	-1.0	-1.2	-1.2	-1.2	-1.0	-0.7	-0.6	-0.7	-0.7	-0.8
20%	-0.5	-0.6	-0.6	-1.2	-1.3	-1.2	-0.7	-0.7	-0.7	-0.8	-0.6	-0.6
30%	-0.6	-0.6	-0.7	-0.9	-1.0	-1.1	-0.6	-0.6	-0.6	-0.8	-0.7	-0.6
40%	-0.6	-0.5	-0.6	-0.7	-0.8	-0.8	-0.6	-0.6	-0.6	-0.8	-0.7	-0.6
50%	-0.5	-0.6	-0.6	-0.7	-0.7	-0.8	-0.6	-0.5	-0.5	-0.8	-0.6	-0.6
60%	-0.5	-0.6	-0.6	-0.7	-0.4	-0.7	-0.6	-0.6	-0.6	-0.8	-0.6	-0.6
70%	-0.5	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.8	-0.7	-0.6
80%	-0.5	-0.6	-0.6	-0.8	-0.6	-0.5	-0.5	-0.6	-0.6	-0.7	-0.6	-0.5
90%	-0.6	-0.5	-0.6	-0.5	-0.5	-0.6	-0.5	-0.5	-0.6	-0.7	-0.6	-0.6
Long Term												
Full Simulation Period[a]	-0.5	-0.6	-0.7	-0.8	-0.8	-0.8	-0.7	-0.6	-0.6	-0.8	-0.6	-0.6
Water Year Types[b]												
Wet (31%)	-0.5	-0.7	-0.9	-1.1	-1.1	-1.1	-0.9	-0.7	-0.7	-0.7	-0.7	-0.7
Above Normal (25%)	-0.6	-0.5	-0.6	-1.1	-1.2	-1.1	-0.7	-0.6	-0.6	-0.8	-0.7	-0.7
Below Normal (6%)	-0.6	-0.7	-0.7	-0.7	-0.8	-0.7	-0.6	-0.6	-0.7	-0.7	-0.6	-0.6
Dry (13%)	-0.5	-0.6	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6	-0.7	-0.7	-0.7	-0.6
Critical (25%)	-0.5	-0.5	-0.6	-0.7	-0.5	-0.6	-0.6	-0.5	-0.6	-0.7	-0.5	-0.5

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-26-1-24. Steamboat Sl d/s of Sutter Sl, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.9	5.6	7.4	7.4	8.2	7.5	6.2	5.3	5.2	5.5	5.3	5.6
20%	4.7	5.2	5.2	7.1	7.5	6.9	5.0	4.9	5.1	5.5	5.2	5.2
30%	4.7	4.9	5.2	6.0	6.2	5.9	4.8	4.8	5.0	5.5	5.2	5.0
40%	4.7	4.8	5.2	5.3	5.4	5.3	4.7	4.8	5.0	5.4	5.2	4.9
50%	4.7	4.8	5.0	5.3	5.1	5.1	4.6	4.7	4.9	5.4	5.0	4.9
60%	4.6	4.7	4.9	5.1	4.8	4.9	4.5	4.6	4.9	5.4	5.0	4.9
70%	4.6	4.7	4.9	5.0	4.7	4.7	4.5	4.6	4.9	5.3	5.0	4.8
80%	4.6	4.5	4.7	5.0	4.7	4.5	4.4	4.6	4.8	5.2	4.9	4.7
90%	4.5	4.5	4.7	4.6	4.5	4.4	4.3	4.5	4.8	5.1	4.9	4.7
Long Term												
Full Simulation Period[a]	4.7	5.0	5.5	5.7	5.8	5.6	5.0	4.8	5.0	5.4	5.1	5.0
Water Year Types[b]												
Wet (31%)	4.9	5.7	7.1	6.7	7.6	7.2	6.1	5.2	5.3	5.6	5.3	5.6
Above Normal (25%)	4.5	4.6	5.1	7.3	7.4	6.4	5.0	4.8	4.8	5.3	5.1	5.0
Below Normal (6%)	4.7	4.8	4.7	5.4	5.4	5.1	4.5	4.6	4.8	5.0	4.9	4.7
Dry (13%)	4.7	4.8	5.0	4.9	4.9	5.1	4.6	4.8	5.0	5.4	5.1	4.8
Critical (25%)	4.7	4.7	4.9	4.9	4.6	4.5	4.5	4.6	4.8	5.2	4.9	4.8

Alternative 8 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.3	5.1	6.5	6.2	7.0	6.3	5.3	4.6	4.6	4.7	4.6	4.8
20%	4.2	4.6	4.6	5.9	6.2	5.7	4.3	4.3	4.4	4.6	4.5	4.6
30%	4.1	4.3	4.6	5.2	5.3	5.0	4.3	4.3	4.4	4.6	4.5	4.3
40%	4.1	4.2	4.6	4.7	4.5	4.5	4.1	4.2	4.4	4.6	4.5	4.3
50%	4.0	4.2	4.4	4.6	4.5	4.4	4.1	4.2	4.3	4.5	4.4	4.3
60%	4.0	4.1	4.3	4.4	4.5	4.4	4.0	4.2	4.3	4.5	4.4	4.3
70%	4.0	4.1	4.3	4.4	4.2	4.2	4.0	4.1	4.2	4.4	4.3	4.2
80%	4.0	4.0	4.1	4.2	4.2	4.0	4.0	4.0	4.2	4.4	4.3	4.2
90%	3.9	3.9	4.0	4.1	4.0	3.9	3.9	4.0	4.1	4.3	4.2	4.1
Long Term												
Full Simulation Period[a]	4.1	4.4	4.8	4.9	5.0	4.8	4.3	4.3	4.4	4.5	4.4	4.4
Water Year Types[b]												
Wet (31%)	4.3	5.1	6.2	5.7	6.4	6.2	5.2	4.6	4.6	4.7	4.6	4.8
Above Normal (25%)	3.9	4.0	4.4	6.3	6.2	5.3	4.3	4.3	4.2	4.4	4.3	4.2
Below Normal (6%)	4.0	4.1	4.0	4.8	4.7	4.4	4.0	4.1	4.1	4.2	4.2	4.1
Dry (13%)	4.0	4.2	4.3	4.4	4.3	4.5	4.1	4.2	4.4	4.5	4.4	4.2
Critical (25%)	4.1	4.1	4.3	4.3	4.1	4.0	3.9	4.1	4.2	4.5	4.4	4.2

Alternative 8 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-0.5	-0.5	-1.0	-1.2	-1.2	-1.2	-0.9	-0.7	-0.7	-0.8	-0.7	-0.8
20%	-0.6	-0.6	-0.6	-1.2	-1.3	-1.2	-0.6	-0.6	-0.7	-0.9	-0.7	-0.6
30%	-0.6	-0.6	-0.7	-0.9	-0.9	-0.9	-0.6	-0.6	-0.7	-0.9	-0.7	-0.6
40%	-0.6	-0.6	-0.6	-0.6	-0.9	-0.8	-0.6	-0.5	-0.6	-0.9	-0.7	-0.6
50%	-0.7	-0.6	-0.6	-0.7	-0.6	-0.7	-0.5	-0.5	-0.5	-0.9	-0.6	-0.6
60%	-0.6	-0.6	-0.6	-0.6	-0.3	-0.6	-0.5	-0.5	-0.6	-0.9	-0.7	-0.6
70%	-0.6	-0.6	-0.6	-0.6	-0.5	-0.5	-0.5	-0.5	-0.7	-0.9	-0.7	-0.6
80%	-0.6	-0.6	-0.6	-0.8	-0.5	-0.5	-0.5	-0.5	-0.6	-0.8	-0.7	-0.6
90%	-0.6	-0.6	-0.7	-0.5	-0.5	-0.5	-0.5	-0.5	-0.6	-0.8	-0.6	-0.6
Long Term												
Full Simulation Period[a]	-0.6	-0.6	-0.7	-0.8	-0.8	-0.8	-0.6	-0.5	-0.6	-0.8	-0.7	-0.6
Water Year Types[b]												
Wet (31%)	-0.6	-0.6	-0.9	-1.0	-1.1	-1.1	-0.8	-0.6	-0.7	-0.8	-0.7	-0.7
Above Normal (25%)	-0.6	-0.6	-0.6	-1.1	-1.2	-1.1	-0.7	-0.5	-0.6	-0.9	-0.8	-0.7
Below Normal (6%)	-0.7	-0.7	-0.7	-0.6	-0.6	-0.7	-0.5	-0.4	-0.7	-0.8	-0.7	-0.6
Dry (13%)	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.5	-0.6	-0.7	-0.9	-0.7	-0.6
Critical (25%)	-0.6	-0.6	-0.6	-0.7	-0.5	-0.5	-0.5	-0.5	-0.6	-0.8	-0.6	-0.6

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-26-1-25. Steamboat Sl d/s of Sutter Sl, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.9	5.6	7.4	7.4	8.2	7.5	6.2	5.3	5.2	5.5	5.3	5.6
20%	4.7	5.2	5.2	7.1	7.5	6.9	5.0	4.9	5.1	5.5	5.2	5.2
30%	4.7	4.9	5.2	6.0	6.2	5.9	4.8	4.8	5.0	5.5	5.2	5.0
40%	4.7	4.8	5.2	5.3	5.4	5.3	4.7	4.8	5.0	5.4	5.2	4.9
50%	4.7	4.8	5.0	5.3	5.1	5.1	4.6	4.7	4.9	5.4	5.0	4.9
60%	4.6	4.7	4.9	5.1	4.8	4.9	4.5	4.6	4.9	5.4	5.0	4.9
70%	4.6	4.7	4.9	5.0	4.7	4.7	4.5	4.6	4.9	5.3	5.0	4.8
80%	4.6	4.5	4.7	5.0	4.7	4.5	4.4	4.6	4.8	5.2	4.9	4.7
90%	4.5	4.5	4.7	4.6	4.5	4.4	4.3	4.5	4.8	5.1	4.9	4.7
Long Term												
Full Simulation Period[a]	4.7	5.0	5.5	5.7	5.8	5.6	5.0	4.8	5.0	5.4	5.1	5.0
Water Year Types[b]												
Wet (31%)	4.9	5.7	7.1	6.7	7.6	7.2	6.1	5.2	5.3	5.6	5.3	5.6
Above Normal (25%)	4.5	4.6	5.1	7.3	7.4	6.4	5.0	4.8	4.8	5.3	5.1	5.0
Below Normal (6%)	4.7	4.8	4.7	5.4	5.4	5.1	4.5	4.6	4.8	5.0	4.9	4.7
Dry (13%)	4.7	4.8	5.0	4.9	4.9	5.1	4.6	4.8	5.0	5.4	5.1	4.8
Critical (25%)	4.7	4.7	4.9	4.9	4.6	4.5	4.5	4.6	4.8	5.2	4.9	4.8

Alternative 9 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.3	5.1	6.8	6.8	7.7	7.0	5.6	4.6	4.6	4.8	4.7	4.9
20%	4.2	4.6	4.6	6.4	6.9	6.3	4.3	4.2	4.5	4.7	4.6	4.8
30%	4.2	4.3	4.5	5.3	5.5	5.2	4.2	4.2	4.4	4.7	4.6	4.4
40%	4.1	4.3	4.5	4.6	4.7	4.6	4.1	4.1	4.4	4.7	4.6	4.3
50%	4.1	4.2	4.3	4.6	4.4	4.5	4.0	4.1	4.3	4.6	4.5	4.3
60%	4.1	4.1	4.3	4.4	4.2	4.3	3.9	4.1	4.3	4.6	4.5	4.3
70%	4.0	4.1	4.2	4.3	4.1	4.1	3.9	4.0	4.2	4.6	4.4	4.3
80%	4.0	4.0	4.1	4.1	4.1	3.9	3.9	4.0	4.2	4.5	4.4	4.2
90%	4.0	3.9	4.1	4.0	4.0	3.8	3.8	3.9	4.2	4.4	4.3	4.1
Long Term												
Full Simulation Period[a]	4.2	4.4	4.8	5.0	5.2	5.0	4.4	4.2	4.4	4.6	4.5	4.4
Water Year Types[b]												
Wet (31%)	4.4	5.2	6.6	6.0	7.0	6.7	5.5	4.6	4.7	4.8	4.7	5.0
Above Normal (25%)	3.9	4.0	4.4	6.7	6.8	5.7	4.3	4.2	4.2	4.6	4.5	4.4
Below Normal (6%)	4.1	4.2	4.1	4.7	4.7	4.5	3.9	4.0	4.2	4.3	4.3	4.2
Dry (13%)	4.1	4.2	4.3	4.3	4.2	4.4	4.0	4.2	4.4	4.7	4.5	4.3
Critical (25%)	4.1	4.2	4.3	4.2	4.0	3.9	3.9	4.0	4.2	4.5	4.4	4.2

Alternative 9 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-0.5	-0.6	-0.6	-0.6	-0.5	-0.5	-0.7	-0.6	-0.6	-0.7	-0.6	-0.6
20%	-0.5	-0.6	-0.7	-0.7	-0.6	-0.6	-0.6	-0.7	-0.6	-0.8	-0.6	-0.4
30%	-0.5	-0.6	-0.7	-0.7	-0.7	-0.7	-0.6	-0.7	-0.6	-0.8	-0.6	-0.6
40%	-0.6	-0.5	-0.7	-0.7	-0.7	-0.7	-0.6	-0.6	-0.6	-0.8	-0.6	-0.6
50%	-0.6	-0.6	-0.6	-0.7	-0.7	-0.7	-0.6	-0.6	-0.6	-0.8	-0.5	-0.6
60%	-0.6	-0.6	-0.6	-0.7	-0.6	-0.7	-0.6	-0.5	-0.6	-0.7	-0.6	-0.5
70%	-0.5	-0.5	-0.6	-0.7	-0.6	-0.6	-0.6	-0.6	-0.6	-0.8	-0.6	-0.5
80%	-0.5	-0.5	-0.6	-0.8	-0.6	-0.6	-0.5	-0.6	-0.6	-0.7	-0.5	-0.5
90%	-0.5	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.6	-0.5
Long Term												
Full Simulation Period[a]	-0.5	-0.6	-0.6	-0.7	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.6	-0.5
Water Year Types[b]												
Wet (31%)	-0.5	-0.6	-0.6	-0.7	-0.6	-0.5	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6
Above Normal (25%)	-0.6	-0.5	-0.7	-0.6	-0.6	-0.7	-0.7	-0.6	-0.6	-0.7	-0.6	-0.6
Below Normal (6%)	-0.6	-0.6	-0.7	-0.7	-0.7	-0.7	-0.6	-0.6	-0.6	-0.7	-0.6	-0.5
Dry (13%)	-0.5	-0.6	-0.7	-0.7	-0.6	-0.7	-0.6	-0.6	-0.6	-0.7	-0.6	-0.5
Critical (25%)	-0.6	-0.5	-0.6	-0.7	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.5	-0.5

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-26-2-1. Steamboat Sl d/s of Sutter Sl, Monthly Averaged Daily Minimum Elevation

Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0.3	1.9	4.6	4.3	5.8	5.2	2.9	0.9	0.0	0.4	0.2	0.4
20%	-0.1	1.1	0.6	3.3	4.9	3.8	0.3	-0.2	-0.3	0.2	0.1	0.0
30%	-0.2	-0.2	0.2	1.9	2.3	2.6	0.1	-0.2	-0.3	0.1	0.0	-0.1
40%	-0.3	-0.3	0.0	0.7	1.5	1.5	-0.1	-0.3	-0.3	0.1	0.0	-0.1
50%	-0.3	-0.4	-0.1	0.6	0.6	1.1	-0.2	-0.4	-0.4	0.1	0.0	-0.1
60%	-0.3	-0.4	-0.1	0.1	-0.1	1.0	-0.3	-0.4	-0.4	0.1	0.0	-0.2
70%	-0.4	-0.5	-0.2	-0.2	-0.2	0.2	-0.4	-0.5	-0.5	0.0	-0.1	-0.2
80%	-0.4	-0.6	-0.4	-0.3	-0.2	-0.3	-0.4	-0.6	-0.5	-0.1	-0.1	-0.2
90%	-0.4	-0.6	-0.6	-0.5	-0.4	-0.5	-0.6	-0.7	-0.5	-0.1	-0.2	-0.3
Long Term												
Full Simulation Period[a]	-0.2	0.2	0.8	1.3	1.8	1.9	0.5	0.0	-0.1	0.1	0.0	0.0
Water Year Types[b]												
Wet (31%)	0.1	1.8	3.8	3.0	4.8	4.8	2.4	1.1	0.8	0.5	0.2	0.5
Above Normal (25%)	-0.4	-0.3	0.1	4.3	4.1	3.3	0.8	0.0	-0.3	0.0	0.0	-0.1
Below Normal (6%)	-0.1	-0.4	-0.6	0.7	1.7	1.2	-0.1	-0.2	-0.3	0.1	0.0	-0.2
Dry (13%)	-0.4	-0.1	-0.1	-0.1	0.1	0.9	-0.2	-0.4	-0.4	0.1	0.0	-0.1
Critical (25%)	-0.3	-0.4	-0.3	-0.1	-0.3	-0.1	-0.5	-0.7	-0.5	0.0	-0.2	-0.2

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.2	2.3	5.3	5.4	6.7	5.8	3.8	1.5	1.1	1.6	1.4	2.2
20%	1.1	1.6	1.4	4.8	5.8	5.0	1.5	1.0	0.9	1.6	1.3	1.7
30%	1.1	1.1	1.3	3.0	3.4	3.5	1.2	1.0	0.9	1.5	1.3	1.4
40%	1.0	1.0	1.2	1.7	2.3	2.3	1.0	0.9	0.9	1.5	1.2	1.2
50%	1.0	0.9	1.1	1.6	1.6	2.1	1.0	0.8	0.8	1.5	1.2	1.1
60%	0.9	0.8	1.0	1.3	1.0	1.6	0.9	0.7	0.8	1.4	1.2	1.1
70%	0.9	0.7	0.9	1.1	1.0	1.2	0.9	0.7	0.8	1.2	1.1	1.1
80%	0.9	0.7	0.8	0.9	0.9	0.8	0.8	0.7	0.7	1.1	1.0	1.0
90%	0.8	0.6	0.7	0.7	0.8	0.8	0.6	0.5	0.7	1.0	1.0	1.0
Long Term												
Full Simulation Period[a]	1.0	1.3	1.9	2.4	2.8	2.8	1.6	1.0	0.9	1.4	1.2	1.4
Water Year Types[b]												
Wet (31%)	1.2	2.4	4.7	4.2	5.7	5.4	3.4	1.6	1.4	1.6	1.4	2.1
Above Normal (25%)	0.9	0.8	1.3	5.2	5.3	4.3	1.7	1.0	0.9	1.5	1.3	1.4
Below Normal (6%)	1.1	1.0	0.8	1.8	2.3	2.0	1.0	0.8	0.9	1.1	1.1	1.1
Dry (13%)	0.9	1.0	1.0	1.1	1.2	1.9	1.0	0.9	0.9	1.4	1.2	1.0
Critical (25%)	0.9	0.8	0.9	1.1	0.9	1.0	0.8	0.6	0.7	1.2	1.1	1.0

No Action Alternative (LLT) minus Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.0	0.3	0.7	1.1	0.8	0.7	0.9	0.7	1.1	1.2	1.2	1.8
20%	1.2	0.4	0.9	1.4	0.9	1.1	1.1	1.2	1.2	1.4	1.2	1.7
30%	1.3	1.3	1.1	1.1	1.2	1.0	1.1	1.2	1.2	1.4	1.2	1.4
40%	1.3	1.3	1.2	1.1	0.8	0.8	1.2	1.2	1.2	1.4	1.3	1.3
50%	1.3	1.3	1.1	1.1	1.0	1.0	1.2	1.2	1.2	1.4	1.2	1.2
60%	1.3	1.2	1.2	1.2	1.1	0.7	1.2	1.2	1.2	1.3	1.2	1.3
70%	1.3	1.2	1.1	1.3	1.2	1.1	1.2	1.2	1.3	1.2	1.2	1.3
80%	1.3	1.3	1.2	1.2	1.2	1.1	1.2	1.3	1.3	1.2	1.2	1.2
90%	1.3	1.2	1.3	1.2	1.2	1.2	1.2	1.2	1.3	1.1	1.3	1.2
Long Term												
Full Simulation Period[a]	1.2	1.1	1.1	1.1	1.1	1.0	1.1	1.0	1.1	1.2	1.2	1.3
Water Year Types[b]												
Wet (31%)	1.1	0.6	0.9	1.1	0.9	0.7	1.0	0.5	0.6	1.1	1.2	1.6
Above Normal (25%)	1.3	1.2	1.2	0.9	1.2	1.0	0.9	1.0	1.2	1.5	1.3	1.5
Below Normal (6%)	1.3	1.4	1.4	1.1	0.6	0.9	1.2	1.0	1.3	1.1	1.2	1.3
Dry (13%)	1.3	1.1	1.1	1.1	1.1	1.0	1.2	1.3	1.2	1.3	1.2	1.2
Critical (25%)	1.3	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.3	1.2	1.2	1.3

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

Table C-26-2-2. Steamboat Sl d/s of Sutter Sl, Monthly Averaged Daily Minimum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.3	1.9	4.6	4.3	5.8	5.2	2.9	0.9	0.0	0.4	0.2	0.4
20%	-0.1	1.1	0.6	3.3	4.9	3.8	0.3	-0.2	-0.3	0.2	0.1	0.0
30%	-0.2	-0.2	0.2	1.9	2.3	2.6	0.1	-0.2	-0.3	0.1	0.0	-0.1
40%	-0.3	-0.3	0.0	0.7	1.5	1.5	-0.1	-0.3	-0.3	0.1	0.0	-0.1
50%	-0.3	-0.4	-0.1	0.6	0.6	1.1	-0.2	-0.4	-0.4	0.1	0.0	-0.1
60%	-0.3	-0.4	-0.1	0.1	-0.1	1.0	-0.3	-0.4	-0.4	0.1	0.0	-0.2
70%	-0.4	-0.5	-0.2	-0.2	-0.2	0.2	-0.4	-0.5	-0.5	0.0	-0.1	-0.2
80%	-0.4	-0.6	-0.4	-0.3	-0.2	-0.3	-0.4	-0.6	-0.5	-0.1	-0.1	-0.2
90%	-0.4	-0.6	-0.6	-0.5	-0.4	-0.5	-0.6	-0.7	-0.5	-0.1	-0.2	-0.3
Long Term												
Full Simulation Period[a]	-0.2	0.2	0.8	1.3	1.8	1.9	0.5	0.0	-0.1	0.1	0.0	0.0
Water Year Types[b]												
Wet (31%)	0.1	1.8	3.8	3.0	4.8	4.8	2.4	1.1	0.8	0.5	0.2	0.5
Above Normal (25%)	-0.4	-0.3	0.1	4.3	4.1	3.3	0.8	0.0	-0.3	0.0	0.0	-0.1
Below Normal (6%)	-0.1	-0.4	-0.6	0.7	1.7	1.2	-0.1	-0.2	-0.3	0.1	0.0	-0.2
Dry (13%)	-0.4	-0.1	-0.1	-0.1	0.1	0.9	-0.2	-0.4	-0.4	0.1	0.0	-0.1
Critical (25%)	-0.3	-0.4	-0.3	-0.1	-0.3	-0.1	-0.5	-0.7	-0.5	0.0	-0.2	-0.2

Alternative 1A,1B,1C (LLT)

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.8	2.1	4.2	4.2	5.5	4.7	3.1	1.6	1.6	2.0	1.7	1.7
20%	1.6	1.7	1.6	3.7	4.6	3.8	1.6	1.4	1.5	1.8	1.7	1.7
30%	1.6	1.5	1.6	2.7	2.7	2.9	1.5	1.3	1.4	1.8	1.7	1.6
40%	1.5	1.4	1.6	1.9	2.0	1.9	1.4	1.3	1.4	1.8	1.6	1.6
50%	1.5	1.3	1.5	1.7	1.7	1.9	1.4	1.3	1.4	1.7	1.5	1.5
60%	1.5	1.2	1.4	1.5	1.4	1.7	1.3	1.2	1.3	1.6	1.5	1.5
70%	1.4	1.2	1.3	1.3	1.4	1.5	1.2	1.2	1.3	1.5	1.5	1.5
80%	1.4	1.1	1.2	1.2	1.3	1.2	1.2	1.2	1.3	1.5	1.4	1.4
90%	1.3	1.1	1.1	1.1	1.3	1.2	1.1	1.0	1.2	1.4	1.4	1.4
Long Term												
Full Simulation Period[a]	1.5	1.5	2.0	2.3	2.6	2.5	1.7	1.3	1.4	1.7	1.6	1.6
Water Year Types[b]												
Wet (31%)	1.5	2.4	4.0	3.4	4.7	4.6	3.0	1.7	1.7	1.9	1.6	1.7
Above Normal (25%)	1.5	1.2	1.6	4.1	4.3	3.5	1.7	1.3	1.3	1.6	1.5	1.4
Below Normal (6%)	1.9	1.2	1.2	1.9	2.0	1.9	1.4	1.2	1.4	1.4	1.4	1.4
Dry (13%)	1.4	1.2	1.4	1.4	1.4	1.8	1.3	1.3	1.4	1.7	1.7	1.5
Critical (25%)	1.6	1.3	1.3	1.3	1.3	1.3	1.2	1.1	1.2	1.6	1.6	1.6

Alternative 1A,1B,1C (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.5	0.1	-0.4	-0.1	-0.3	-0.4	0.2	0.7	1.6	1.6	1.5	1.3
20%	1.8	0.5	1.1	0.3	-0.4	0.0	1.3	1.6	1.8	1.7	1.6	1.7
30%	1.8	1.7	1.4	0.8	0.5	0.3	1.3	1.5	1.7	1.7	1.7	1.7
40%	1.8	1.7	1.6	1.2	0.5	0.5	1.5	1.6	1.7	1.7	1.7	1.7
50%	1.9	1.6	1.6	1.1	1.1	0.7	1.6	1.6	1.7	1.6	1.6	1.6
60%	1.8	1.6	1.6	1.4	1.5	0.7	1.6	1.6	1.7	1.5	1.6	1.7
70%	1.8	1.7	1.6	1.5	1.5	1.3	1.6	1.7	1.8	1.5	1.6	1.6
80%	1.8	1.7	1.6	1.6	1.6	1.5	1.6	1.8	1.8	1.5	1.6	1.7
90%	1.8	1.7	1.7	1.6	1.7	1.7	1.7	1.7	1.8	1.5	1.6	1.6
Long Term												
Full Simulation Period[a]	1.7	1.3	1.2	1.0	0.9	0.7	1.2	1.4	1.5	1.5	1.6	1.6
Water Year Types[b]												
Wet (31%)	1.4	0.6	0.1	0.3	-0.1	-0.2	0.6	0.5	0.9	1.4	1.4	1.2
Above Normal (25%)	1.9	1.5	1.5	-0.2	0.3	0.2	0.8	1.3	1.6	1.6	1.5	1.4
Below Normal (6%)	2.0	1.6	1.7	1.2	0.4	0.7	1.5	1.4	1.7	1.3	1.4	1.6
Dry (13%)	1.7	1.4	1.5	1.5	1.3	0.9	1.5	1.7	1.8	1.6	1.6	1.7
Critical (25%)	1.9	1.7	1.6	1.4	1.6	1.4	1.7	1.7	1.8	1.6	1.7	1.8

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-26-2-3. Steamboat Sl d/s of Sutter Sl, Monthly Averaged Daily Minimum Elevation

Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.3	1.9	4.6	4.3	5.8	5.2	2.9	0.9	0.0	0.4	0.2	0.4
20%	-0.1	1.1	0.6	3.3	4.9	3.8	0.3	-0.2	-0.3	0.2	0.1	0.0
30%	-0.2	-0.2	0.2	1.9	2.3	2.6	0.1	-0.2	-0.3	0.1	0.0	-0.1
40%	-0.3	-0.3	0.0	0.7	1.5	1.5	-0.1	-0.3	-0.3	0.1	0.0	-0.1
50%	-0.3	-0.4	-0.1	0.6	0.6	1.1	-0.2	-0.4	-0.4	0.1	0.0	-0.1
60%	-0.3	-0.4	-0.1	0.1	-0.1	1.0	-0.3	-0.4	-0.4	0.1	0.0	-0.2
70%	-0.4	-0.5	-0.2	-0.2	-0.2	0.2	-0.4	-0.5	-0.5	0.0	-0.1	-0.2
80%	-0.4	-0.6	-0.4	-0.3	-0.2	-0.3	-0.4	-0.6	-0.5	-0.1	-0.1	-0.2
90%	-0.4	-0.6	-0.6	-0.5	-0.4	-0.5	-0.6	-0.7	-0.5	-0.1	-0.2	-0.3
Long Term												
Full Simulation Period[a]	-0.2	0.2	0.8	1.3	1.8	1.9	0.5	0.0	-0.1	0.1	0.0	0.0
Water Year Types[b]												
Wet (31%)	0.1	1.8	3.8	3.0	4.8	4.8	2.4	1.1	0.8	0.5	0.2	0.5
Above Normal (25%)	-0.4	-0.3	0.1	4.3	4.1	3.3	0.8	0.0	-0.3	0.0	0.0	-0.1
Below Normal (6%)	-0.1	-0.4	-0.6	0.7	1.7	1.2	-0.1	-0.2	-0.3	0.1	0.0	-0.2
Dry (13%)	-0.4	-0.1	-0.1	-0.1	0.1	0.9	-0.2	-0.4	-0.4	0.1	0.0	-0.1
Critical (25%)	-0.3	-0.4	-0.3	-0.1	-0.3	-0.1	-0.5	-0.7	-0.5	0.0	-0.2	-0.2

Alternative 2A,2B,2C (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.6	2.0	4.2	4.2	5.5	4.7	3.1	1.6	1.6	2.0	1.7	2.1
20%	1.6	1.7	1.6	3.7	4.6	3.9	1.6	1.4	1.4	1.9	1.7	1.8
30%	1.5	1.4	1.6	2.7	2.7	2.7	1.4	1.3	1.4	1.9	1.7	1.7
40%	1.5	1.4	1.5	1.7	2.0	2.0	1.4	1.3	1.4	1.7	1.6	1.6
50%	1.4	1.3	1.5	1.7	1.7	1.9	1.4	1.3	1.3	1.7	1.6	1.6
60%	1.3	1.3	1.4	1.6	1.4	1.7	1.3	1.2	1.3	1.7	1.5	1.6
70%	1.3	1.2	1.3	1.4	1.3	1.5	1.2	1.2	1.3	1.6	1.5	1.6
80%	1.3	1.2	1.2	1.2	1.3	1.2	1.2	1.1	1.3	1.5	1.5	1.5
90%	1.2	1.1	1.1	1.2	1.2	1.2	1.1	1.0	1.2	1.4	1.5	1.5
Long Term												
Full Simulation Period[a]	1.4	1.5	2.0	2.3	2.6	2.5	1.7	1.3	1.4	1.7	1.6	1.7
Water Year Types[b]												
Wet (31%)	1.5	2.2	3.9	3.4	4.8	4.5	3.0	1.7	1.6	1.9	1.6	2.1
Above Normal (25%)	1.5	1.2	1.6	4.0	4.3	3.5	1.6	1.4	1.3	1.8	1.6	1.6
Below Normal (6%)	1.4	1.3	1.2	1.9	2.0	1.8	1.4	1.2	1.3	1.3	1.4	1.5
Dry (13%)	1.3	1.3	1.4	1.3	1.4	1.7	1.3	1.3	1.4	1.7	1.6	1.6
Critical (25%)	1.4	1.3	1.3	1.4	1.3	1.3	1.2	1.1	1.3	1.6	1.6	1.6

Alternative 2A,2B,2C (LLT) minus Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.4	0.1	-0.4	-0.1	-0.3	-0.5	0.2	0.7	1.5	1.6	1.5	1.7
20%	1.7	0.6	1.1	0.4	-0.3	0.1	1.3	1.6	1.7	1.8	1.6	1.8
30%	1.8	1.6	1.4	0.8	0.5	0.1	1.3	1.6	1.7	1.7	1.6	1.7
40%	1.7	1.7	1.6	1.0	0.5	0.5	1.5	1.6	1.7	1.6	1.7	1.7
50%	1.8	1.7	1.5	1.1	1.1	0.7	1.6	1.6	1.7	1.6	1.6	1.7
60%	1.7	1.6	1.6	1.5	1.5	0.7	1.6	1.6	1.7	1.6	1.6	1.8
70%	1.7	1.7	1.6	1.6	1.5	1.3	1.6	1.7	1.8	1.5	1.6	1.7
80%	1.7	1.7	1.6	1.6	1.5	1.5	1.6	1.7	1.8	1.6	1.6	1.7
90%	1.7	1.7	1.7	1.7	1.6	1.7	1.7	1.7	1.7	1.5	1.7	1.7
Long Term												
Full Simulation Period[a]	1.6	1.3	1.2	1.0	0.8	0.7	1.2	1.4	1.5	1.6	1.6	1.7
Water Year Types[b]												
Wet (31%)	1.4	0.5	0.1	0.4	0.0	-0.3	0.6	0.5	0.8	1.4	1.5	1.6
Above Normal (25%)	1.9	1.5	1.5	-0.3	0.2	0.3	0.8	1.3	1.6	1.8	1.6	1.6
Below Normal (6%)	1.5	1.7	1.7	1.2	0.3	0.7	1.5	1.4	1.6	1.3	1.4	1.7
Dry (13%)	1.7	1.4	1.5	1.4	1.3	0.8	1.5	1.7	1.7	1.6	1.6	1.7
Critical (25%)	1.7	1.7	1.6	1.5	1.5	1.4	1.6	1.7	1.8	1.6	1.7	1.8

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-26-2-4. Steamboat Sl d/s of Sutter Sl, Monthly Averaged Daily Minimum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.3	1.9	4.6	4.3	5.8	5.2	2.9	0.9	0.0	0.4	0.2	0.4
20%	-0.1	1.1	0.6	3.3	4.9	3.8	0.3	-0.2	-0.3	0.2	0.1	0.0
30%	-0.2	-0.2	0.2	1.9	2.3	2.6	0.1	-0.2	-0.3	0.1	0.0	-0.1
40%	-0.3	-0.3	0.0	0.7	1.5	1.5	-0.1	-0.3	-0.3	0.1	0.0	-0.1
50%	-0.3	-0.4	-0.1	0.6	0.6	1.1	-0.2	-0.4	-0.4	0.1	0.0	-0.1
60%	-0.3	-0.4	-0.1	0.1	-0.1	1.0	-0.3	-0.4	-0.4	0.1	0.0	-0.2
70%	-0.4	-0.5	-0.2	-0.2	-0.2	0.2	-0.4	-0.5	-0.5	0.0	-0.1	-0.2
80%	-0.4	-0.6	-0.4	-0.3	-0.2	-0.3	-0.4	-0.6	-0.5	-0.1	-0.1	-0.2
90%	-0.4	-0.6	-0.6	-0.5	-0.4	-0.5	-0.6	-0.7	-0.5	-0.1	-0.2	-0.3
Long Term												
Full Simulation Period[a]	-0.2	0.2	0.8	1.3	1.8	1.9	0.5	0.0	-0.1	0.1	0.0	0.0
Water Year Types[b]												
Wet (31%)	0.1	1.8	3.8	3.0	4.8	4.8	2.4	1.1	0.8	0.5	0.2	0.5
Above Normal (25%)	-0.4	-0.3	0.1	4.3	4.1	3.3	0.8	0.0	-0.3	0.0	0.0	-0.1
Below Normal (6%)	-0.1	-0.4	-0.6	0.7	1.7	1.2	-0.1	-0.2	-0.3	0.1	0.0	-0.2
Dry (13%)	-0.4	-0.1	-0.1	-0.1	0.1	0.9	-0.2	-0.4	-0.4	0.1	0.0	-0.1
Critical (25%)	-0.3	-0.4	-0.3	-0.1	-0.3	-0.1	-0.5	-0.7	-0.5	0.0	-0.2	-0.2

Alternative 3 (LLT)

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.8	2.3	4.7	4.5	5.8	5.0	3.3	1.7	1.7	1.9	1.7	1.8
20%	1.7	1.7	1.7	4.1	4.8	4.1	1.5	1.4	1.4	1.9	1.7	1.7
30%	1.7	1.4	1.6	2.7	2.9	2.9	1.5	1.4	1.4	1.8	1.7	1.6
40%	1.5	1.3	1.5	1.9	2.1	2.0	1.4	1.3	1.3	1.8	1.6	1.6
50%	1.5	1.3	1.5	1.7	1.7	1.9	1.3	1.2	1.3	1.6	1.6	1.5
60%	1.4	1.2	1.4	1.5	1.4	1.7	1.3	1.2	1.3	1.6	1.5	1.5
70%	1.4	1.2	1.3	1.4	1.4	1.5	1.2	1.1	1.3	1.6	1.5	1.5
80%	1.3	1.2	1.2	1.3	1.3	1.2	1.2	1.1	1.3	1.4	1.5	1.5
90%	1.3	1.1	1.1	1.2	1.2	1.2	1.1	1.0	1.3	1.4	1.5	1.4
Long Term												
Full Simulation Period[a]	1.5	1.6	2.1	2.3	2.7	2.6	1.8	1.3	1.4	1.7	1.6	1.6
Water Year Types[b]												
Wet (31%)	1.6	2.5	4.3	3.5	5.0	4.7	3.2	1.8	1.7	1.8	1.7	1.8
Above Normal (25%)	1.6	1.2	1.6	4.4	4.6	3.6	1.7	1.3	1.4	1.6	1.6	1.5
Below Normal (6%)	1.7	1.3	1.2	1.9	2.1	1.9	1.3	1.2	1.3	1.4	1.4	1.4
Dry (13%)	1.4	1.3	1.4	1.4	1.4	1.9	1.3	1.3	1.4	1.7	1.6	1.5
Critical (25%)	1.6	1.3	1.3	1.4	1.3	1.3	1.2	1.1	1.2	1.5	1.6	1.6

Alternative 3 (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.6	0.4	0.1	0.2	0.0	**-0.2**	0.4	0.8	1.6	1.5	1.5	1.4
20%	1.9	0.6	1.1	0.7	**-0.1**	0.3	1.2	1.6	1.7	1.7	1.6	1.7
30%	2.0	1.6	1.4	0.8	0.7	0.4	1.3	1.6	1.7	1.7	1.6	1.7
40%	1.8	1.6	1.6	1.3	0.6	0.5	1.5	1.6	1.7	1.6	1.6	1.7
50%	1.8	1.6	1.6	1.1	1.1	0.8	1.6	1.6	1.7	1.6	1.6	1.6
60%	1.8	1.6	1.6	1.4	1.5	0.8	1.6	1.6	1.7	1.5	1.6	1.7
70%	1.8	1.7	1.6	1.6	1.5	1.3	1.6	1.7	1.8	1.5	1.6	1.7
80%	1.7	1.7	1.6	1.6	1.6	1.5	1.6	1.7	1.8	1.5	1.6	1.7
90%	1.8	1.7	1.7	1.7	1.6	1.7	1.6	1.7	1.8	1.5	1.7	1.7
Long Term												
Full Simulation Period[a]	1.7	1.4	1.3	1.1	1.0	0.8	1.3	1.4	1.5	1.5	1.6	1.6
Water Year Types[b]												
Wet (31%)	1.4	0.7	0.5	0.5	0.2	**-0.1**	0.7	0.6	1.0	1.4	1.5	1.3
Above Normal (25%)	2.0	1.6	1.5	0.1	0.5	0.3	0.9	1.3	1.7	1.6	1.6	1.6
Below Normal (6%)	1.9	1.7	1.8	1.3	0.5	0.8	1.5	1.4	1.7	1.3	1.4	1.6
Dry (13%)	1.7	1.4	1.5	1.5	1.4	1.0	1.5	1.7	1.7	1.6	1.6	1.7
Critical (25%)	1.9	1.7	1.6	1.5	1.6	1.4	1.6	1.7	1.8	1.6	1.7	1.8

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-26-2-5. Steamboat Sl d/s of Sutter Sl, Monthly Averaged Daily Minimum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.3	1.9	4.6	4.3	5.8	5.2	2.9	0.9	0.0	0.4	0.2	0.4
20%	-0.1	1.1	0.6	3.3	4.9	3.8	0.3	-0.2	-0.3	0.2	0.1	0.0
30%	-0.2	-0.2	0.2	1.9	2.3	2.6	0.1	-0.2	-0.3	0.1	0.0	-0.1
40%	-0.3	-0.3	0.0	0.7	1.5	1.5	-0.1	-0.3	-0.3	0.1	0.0	-0.1
50%	-0.3	-0.4	-0.1	0.6	0.6	1.1	-0.2	-0.4	-0.4	0.1	0.0	-0.1
60%	-0.3	-0.4	-0.1	0.1	-0.1	1.0	-0.3	-0.4	-0.4	0.1	0.0	-0.2
70%	-0.4	-0.5	-0.2	-0.2	-0.2	0.2	-0.4	-0.5	-0.5	0.0	-0.1	-0.2
80%	-0.4	-0.6	-0.4	-0.3	-0.2	-0.3	-0.4	-0.6	-0.5	-0.1	-0.1	-0.2
90%	-0.4	-0.6	-0.6	-0.5	-0.4	-0.5	-0.6	-0.7	-0.5	-0.1	-0.2	-0.3
Long Term												
Full Simulation Period[a]	-0.2	0.2	0.8	1.3	1.8	1.9	0.5	0.0	-0.1	0.1	0.0	0.0
Water Year Types[b]												
Wet (31%)	0.1	1.8	3.8	3.0	4.8	4.8	2.4	1.1	0.8	0.5	0.2	0.5
Above Normal (25%)	-0.4	-0.3	0.1	4.3	4.1	3.3	0.8	0.0	-0.3	0.0	0.0	-0.1
Below Normal (6%)	-0.1	-0.4	-0.6	0.7	1.7	1.2	-0.1	-0.2	-0.3	0.1	0.0	-0.2
Dry (13%)	-0.4	-0.1	-0.1	-0.1	0.1	0.9	-0.2	-0.4	-0.4	0.1	0.0	-0.1
Critical (25%)	-0.3	-0.4	-0.3	-0.1	-0.3	-0.1	-0.5	-0.7	-0.5	0.0	-0.2	-0.2

Alternative 4 H1 (LLT)

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.6	2.3	4.5	4.3	5.7	4.7	3.1	1.6	1.6	2.0	1.7	1.7
20%	1.6	1.7	1.7	3.8	4.6	4.0	1.6	1.4	1.5	1.9	1.7	1.7
30%	1.6	1.4	1.6	2.6	2.8	2.9	1.4	1.4	1.4	1.9	1.7	1.7
40%	1.4	1.3	1.6	1.8	1.9	2.0	1.4	1.3	1.4	1.8	1.7	1.6
50%	1.4	1.3	1.5	1.7	1.7	1.8	1.3	1.2	1.3	1.7	1.6	1.6
60%	1.3	1.2	1.4	1.7	1.4	1.7	1.3	1.2	1.3	1.6	1.6	1.5
70%	1.3	1.2	1.4	1.5	1.4	1.4	1.2	1.2	1.3	1.6	1.5	1.5
80%	1.3	1.1	1.2	1.4	1.3	1.2	1.1	1.1	1.3	1.5	1.5	1.5
90%	1.3	1.1	1.1	1.2	1.2	1.2	1.1	1.0	1.2	1.4	1.4	1.4
Long Term												
Full Simulation Period[a]	1.4	1.5	2.1	2.3	2.7	2.6	1.7	1.3	1.4	1.7	1.6	1.6
Water Year Types[b]												
Wet (31%)	1.5	2.4	4.1	3.4	4.8	4.6	3.0	1.7	1.7	1.9	1.6	1.8
Above Normal (25%)	1.5	1.2	1.6	4.3	4.5	3.5	1.6	1.3	1.3	1.8	1.6	1.4
Below Normal (6%)	1.6	1.3	1.2	1.9	2.0	1.9	1.4	1.2	1.3	1.3	1.4	1.4
Dry (13%)	1.3	1.3	1.4	1.4	1.4	1.8	1.3	1.3	1.4	1.7	1.7	1.6
Critical (25%)	1.4	1.3	1.3	1.5	1.3	1.3	1.1	1.1	1.3	1.5	1.6	1.6

Alternative 4 H1 (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.4	0.4	**-0.1**	0.0	**-0.1**	**-0.4**	0.2	0.8	1.5	1.6	1.5	1.4
20%	1.7	0.6	1.1	0.5	**-0.3**	0.1	1.2	1.6	1.8	1.8	1.6	1.8
30%	1.8	1.6	1.4	0.7	0.5	0.4	1.3	1.6	1.7	1.8	1.6	1.7
40%	1.7	1.6	1.6	1.1	0.4	0.5	1.5	1.6	1.7	1.7	1.7	1.7
50%	1.7	1.6	1.6	1.2	1.1	0.7	1.6	1.6	1.7	1.6	1.6	1.7
60%	1.7	1.6	1.6	1.5	1.5	0.7	1.6	1.6	1.7	1.6	1.6	1.7
70%	1.7	1.6	1.6	1.7	1.5	1.3	1.6	1.7	1.8	1.6	1.6	1.7
80%	1.7	1.7	1.6	1.7	1.6	1.5	1.6	1.7	1.8	1.6	1.6	1.7
90%	1.7	1.7	1.7	1.7	1.6	1.7	1.7	1.7	1.8	1.5	1.7	1.7
Long Term												
Full Simulation Period[a]	1.6	1.3	1.2	1.0	0.9	0.7	1.2	1.4	1.5	1.6	1.6	1.6
Water Year Types[b]												
Wet (31%)	1.4	0.6	0.3	0.4	0.0	**-0.2**	0.6	0.6	0.9	1.4	1.5	1.3
Above Normal (25%)	1.8	1.5	1.5	**0.0**	0.4	0.2	0.8	1.3	1.6	1.8	1.6	1.5
Below Normal (6%)	1.7	1.7	1.7	1.3	0.4	0.7	1.5	1.4	1.6	1.2	1.4	1.6
Dry (13%)	1.7	1.4	1.5	1.5	1.3	0.9	1.5	1.7	1.7	1.6	1.6	1.8
Critical (25%)	1.7	1.7	1.6	1.6	1.6	1.4	1.6	1.7	1.8	1.6	1.7	1.8

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-26-2-6. Steamboat Sl d/s of Sutter Sl, Monthly Averaged Daily Minimum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.3	1.9	4.6	4.3	5.8	5.2	2.9	0.9	0.0	0.4	0.2	0.4
20%	-0.1	1.1	0.6	3.3	4.9	3.8	0.3	-0.2	-0.3	0.2	0.1	0.0
30%	-0.2	-0.2	0.2	1.9	2.3	2.6	0.1	-0.2	-0.3	0.1	0.0	-0.1
40%	-0.3	-0.3	0.0	0.7	1.5	1.5	-0.1	-0.3	-0.3	0.1	0.0	-0.1
50%	-0.3	-0.4	-0.1	0.6	0.6	1.1	-0.2	-0.4	-0.4	0.1	0.0	-0.1
60%	-0.3	-0.4	-0.1	0.1	-0.1	1.0	-0.3	-0.4	-0.4	0.1	0.0	-0.2
70%	-0.4	-0.5	-0.2	-0.2	-0.2	0.2	-0.4	-0.5	-0.5	0.0	-0.1	-0.2
80%	-0.4	-0.6	-0.4	-0.3	-0.2	-0.3	-0.4	-0.6	-0.5	-0.1	-0.1	-0.2
90%	-0.4	-0.6	-0.6	-0.5	-0.4	-0.5	-0.6	-0.7	-0.5	-0.1	-0.2	-0.3
Long Term												
Full Simulation Period[a]	-0.2	0.2	0.8	1.3	1.8	1.9	0.5	0.0	-0.1	0.1	0.0	0.0
Water Year Types[b]												
Wet (31%)	0.1	1.8	3.8	3.0	4.8	4.8	2.4	1.1	0.8	0.5	0.2	0.5
Above Normal (25%)	-0.4	-0.3	0.1	4.3	4.1	3.3	0.8	0.0	-0.3	0.0	0.0	-0.1
Below Normal (6%)	-0.1	-0.4	-0.6	0.7	1.7	1.2	-0.1	-0.2	-0.3	0.1	0.0	-0.2
Dry (13%)	-0.4	-0.1	-0.1	-0.1	0.1	0.9	-0.2	-0.4	-0.4	0.1	0.0	-0.1
Critical (25%)	-0.3	-0.4	-0.3	-0.1	-0.3	-0.1	-0.5	-0.7	-0.5	0.0	-0.2	-0.2

Alternative 4 H2 (LLT)

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.7	2.3	4.5	4.3	5.8	4.8	3.1	1.7	1.5	1.9	1.7	1.8
20%	1.6	1.8	1.7	3.8	4.6	4.0	1.9	1.5	1.4	1.8	1.7	1.7
30%	1.5	1.4	1.6	2.6	2.9	3.0	1.7	1.4	1.4	1.7	1.7	1.6
40%	1.4	1.3	1.6	1.7	1.9	2.0	1.5	1.3	1.4	1.7	1.6	1.6
50%	1.4	1.3	1.4	1.6	1.7	1.9	1.4	1.3	1.3	1.6	1.6	1.6
60%	1.4	1.2	1.4	1.6	1.4	1.7	1.3	1.2	1.3	1.6	1.5	1.5
70%	1.3	1.2	1.3	1.4	1.3	1.5	1.2	1.2	1.3	1.5	1.5	1.5
80%	1.3	1.1	1.1	1.4	1.3	1.2	1.2	1.1	1.3	1.4	1.5	1.5
90%	1.3	1.1	1.1	1.2	1.2	1.2	1.0	1.0	1.2	1.3	1.4	1.4
Long Term												
Full Simulation Period[a]	1.4	1.5	2.1	2.3	2.7	2.6	1.8	1.4	1.4	1.6	1.6	1.6
Water Year Types[b]												
Wet (31%)	1.5	2.4	4.1	3.4	4.8	4.6	3.2	1.8	1.6	1.8	1.6	1.8
Above Normal (25%)	1.5	1.2	1.6	4.4	4.5	3.5	2.0	1.5	1.3	1.5	1.5	1.4
Below Normal (6%)	1.4	1.3	1.1	1.9	2.1	1.9	1.4	1.2	1.3	1.3	1.4	1.4
Dry (13%)	1.3	1.3	1.4	1.3	1.4	1.9	1.3	1.3	1.4	1.7	1.6	1.5
Critical (25%)	1.5	1.3	1.3	1.5	1.3	1.3	1.1	1.1	1.2	1.6	1.6	1.6

Alternative 4 H2 (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.4	0.4	-0.1	0.0	-0.1	-0.4	0.3	0.8	1.5	1.5	1.5	1.4
20%	1.8	0.6	1.2	0.5	-0.3	0.1	1.6	1.6	1.7	1.6	1.6	1.7
30%	1.8	1.6	1.4	0.7	0.6	0.4	1.5	1.6	1.7	1.5	1.6	1.7
40%	1.7	1.5	1.6	1.1	0.4	0.5	1.7	1.6	1.7	1.5	1.6	1.7
50%	1.7	1.6	1.5	1.1	1.1	0.7	1.6	1.6	1.7	1.5	1.6	1.7
60%	1.7	1.6	1.5	1.5	1.5	0.7	1.6	1.6	1.7	1.5	1.6	1.7
70%	1.7	1.6	1.6	1.6	1.5	1.3	1.6	1.7	1.7	1.5	1.6	1.7
80%	1.7	1.7	1.5	1.7	1.5	1.5	1.6	1.7	1.8	1.5	1.6	1.7
90%	1.7	1.7	1.7	1.7	1.6	1.7	1.6	1.7	1.7	1.5	1.7	1.7
Long Term												
Full Simulation Period[a]	1.7	1.3	1.2	1.0	0.9	0.7	1.3	1.4	1.5	1.5	1.6	1.6
Water Year Types[b]												
Wet (31%)	1.4	0.6	0.3	0.4	0.0	-0.2	0.8	0.6	0.9	1.3	1.5	1.3
Above Normal (25%)	1.9	1.5	1.5	0.0	0.4	0.3	1.2	1.4	1.6	1.5	1.5	1.5
Below Normal (6%)	1.5	1.6	1.7	1.3	0.5	0.8	1.5	1.4	1.6	1.2	1.4	1.6
Dry (13%)	1.7	1.4	1.5	1.4	1.3	1.0	1.5	1.7	1.7	1.6	1.6	1.7
Critical (25%)	1.8	1.7	1.6	1.5	1.6	1.5	1.6	1.7	1.8	1.6	1.7	1.8

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-26-2-7. Steamboat Sl d/s of Sutter Sl, Monthly Averaged Daily Minimum Elevation

Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.3	1.9	4.6	4.3	5.8	5.2	2.9	0.9	0.0	0.4	0.2	0.4
20%	-0.1	1.1	0.6	3.3	4.9	3.8	0.3	-0.2	-0.3	0.2	0.1	0.0
30%	-0.2	-0.2	0.2	1.9	2.3	2.6	0.1	-0.2	-0.3	0.1	0.0	-0.1
40%	-0.3	-0.3	0.0	0.7	1.5	1.5	-0.1	-0.3	-0.3	0.1	0.0	-0.1
50%	-0.3	-0.4	-0.1	0.6	0.6	1.1	-0.2	-0.4	-0.4	0.1	0.0	-0.1
60%	-0.3	-0.4	-0.1	0.1	-0.1	1.0	-0.3	-0.4	-0.4	0.1	0.0	-0.2
70%	-0.4	-0.5	-0.2	-0.2	-0.2	0.2	-0.4	-0.5	-0.5	0.0	-0.1	-0.2
80%	-0.4	-0.6	-0.4	-0.3	-0.2	-0.3	-0.4	-0.6	-0.5	-0.1	-0.1	-0.2
90%	-0.4	-0.6	-0.6	-0.5	-0.4	-0.5	-0.6	-0.7	-0.5	-0.1	-0.2	-0.3
Long Term												
Full Simulation Period[a]	-0.2	0.2	0.8	1.3	1.8	1.9	0.5	0.0	-0.1	0.1	0.0	0.0
Water Year Types[b]												
Wet (31%)	0.1	1.8	3.8	3.0	4.8	4.8	2.4	1.1	0.8	0.5	0.2	0.5
Above Normal (25%)	-0.4	-0.3	0.1	4.3	4.1	3.3	0.8	0.0	-0.3	0.0	0.0	-0.1
Below Normal (6%)	-0.1	-0.4	-0.6	0.7	1.7	1.2	-0.1	-0.2	-0.3	0.1	0.0	-0.2
Dry (13%)	-0.4	-0.1	-0.1	-0.1	0.1	0.9	-0.2	-0.4	-0.4	0.1	0.0	-0.1
Critical (25%)	-0.3	-0.4	-0.3	-0.1	-0.3	-0.1	-0.5	-0.7	-0.5	0.0	-0.2	-0.2

Alternative 4 H3 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.7	2.3	4.4	4.3	5.6	4.7	3.1	1.6	1.6	2.0	1.7	2.1
20%	1.5	1.7	1.6	3.8	4.6	4.0	1.6	1.4	1.5	1.9	1.7	1.9
30%	1.5	1.4	1.6	2.6	2.8	2.7	1.4	1.3	1.4	1.9	1.7	1.7
40%	1.4	1.4	1.5	1.8	1.9	2.0	1.3	1.3	1.4	1.8	1.6	1.6
50%	1.4	1.3	1.5	1.7	1.7	1.8	1.3	1.2	1.3	1.7	1.6	1.6
60%	1.4	1.3	1.4	1.7	1.4	1.7	1.3	1.2	1.3	1.6	1.6	1.6
70%	1.3	1.2	1.4	1.4	1.4	1.4	1.2	1.2	1.3	1.6	1.5	1.6
80%	1.3	1.2	1.1	1.3	1.3	1.2	1.1	1.1	1.3	1.5	1.5	1.5
90%	1.3	1.1	1.1	1.2	1.2	1.2	1.1	1.0	1.2	1.4	1.4	1.5
Long Term												
Full Simulation Period[a]	1.4	1.5	2.0	2.3	2.6	2.5	1.7	1.3	1.4	1.7	1.6	1.7
Water Year Types[b]												
Wet (31%)	1.5	2.4	4.1	3.4	4.8	4.5	3.0	1.7	1.7	1.9	1.6	2.1
Above Normal (25%)	1.5	1.2	1.6	4.2	4.3	3.5	1.6	1.3	1.3	1.8	1.6	1.6
Below Normal (6%)	1.4	1.3	1.1	1.9	2.0	1.9	1.4	1.2	1.3	1.3	1.4	1.5
Dry (13%)	1.3	1.3	1.4	1.3	1.4	1.7	1.3	1.3	1.4	1.7	1.6	1.6
Critical (25%)	1.4	1.3	1.3	1.5	1.3	1.3	1.1	1.1	1.2	1.5	1.6	1.6

Alternative 4 H3 (LLT) minus Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.4	0.4	-0.2	0.0	-0.2	-0.4	0.2	0.8	1.5	1.6	1.5	1.7
20%	1.7	0.6	1.1	0.5	-0.3	0.1	1.2	1.6	1.8	1.8	1.6	2.0
30%	1.7	1.6	1.4	0.7	0.6	0.2	1.3	1.6	1.7	1.7	1.6	1.7
40%	1.7	1.7	1.6	1.2	0.4	0.5	1.5	1.6	1.7	1.7	1.7	1.7
50%	1.7	1.7	1.6	1.1	1.1	0.7	1.6	1.6	1.7	1.6	1.6	1.7
60%	1.7	1.6	1.6	1.5	1.5	0.7	1.6	1.6	1.7	1.6	1.6	1.8
70%	1.7	1.7	1.6	1.6	1.5	1.3	1.6	1.7	1.8	1.5	1.6	1.8
80%	1.7	1.7	1.5	1.6	1.5	1.5	1.6	1.7	1.8	1.6	1.6	1.8
90%	1.7	1.7	1.7	1.6	1.6	1.7	1.6	1.7	1.8	1.5	1.7	1.7
Long Term												
Full Simulation Period[a]	1.6	1.3	1.2	1.0	0.9	0.7	1.2	1.4	1.5	1.6	1.6	1.7
Water Year Types[b]												
Wet (31%)	1.4	0.6	0.2	0.4	0.0	-0.3	0.6	0.6	0.9	1.4	1.5	1.6
Above Normal (25%)	1.9	1.5	1.5	-0.1	0.2	0.2	0.8	1.3	1.6	1.8	1.6	1.7
Below Normal (6%)	1.6	1.7	1.7	1.2	0.4	0.7	1.5	1.4	1.7	1.2	1.4	1.7
Dry (13%)	1.7	1.4	1.5	1.4	1.3	0.8	1.5	1.7	1.7	1.6	1.6	1.7
Critical (25%)	1.7	1.7	1.6	1.5	1.6	1.4	1.6	1.7	1.8	1.6	1.7	1.8

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-26-2-8. Steamboat Sl d/s of Sutter Sl, Monthly Averaged Daily Minimum Elevation

Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.3	1.9	4.6	4.3	5.8	5.2	2.9	0.9	0.0	0.4	0.2	0.4
20%	-0.1	1.1	0.6	3.3	4.9	3.8	0.3	-0.2	-0.3	0.2	0.1	0.0
30%	-0.2	-0.2	0.2	1.9	2.3	2.6	0.1	-0.2	-0.3	0.1	0.0	-0.1
40%	-0.3	-0.3	0.0	0.7	1.5	1.5	-0.1	-0.3	-0.3	0.1	0.0	-0.1
50%	-0.3	-0.4	-0.1	0.6	0.6	1.1	-0.2	-0.4	-0.4	0.1	0.0	-0.1
60%	-0.3	-0.4	-0.1	0.1	-0.1	1.0	-0.3	-0.4	-0.4	0.1	0.0	-0.2
70%	-0.4	-0.5	-0.2	-0.2	-0.2	0.2	-0.4	-0.5	-0.5	0.0	-0.1	-0.2
80%	-0.4	-0.6	-0.4	-0.3	-0.2	-0.3	-0.4	-0.6	-0.5	-0.1	-0.1	-0.2
90%	-0.4	-0.6	-0.6	-0.5	-0.4	-0.5	-0.6	-0.7	-0.5	-0.1	-0.2	-0.3
Long Term												
Full Simulation Period[a]	-0.2	0.2	0.8	1.3	1.8	1.9	0.5	0.0	-0.1	0.1	0.0	0.0
Water Year Types[b]												
Wet (31%)	0.1	1.8	3.8	3.0	4.8	4.8	2.4	1.1	0.8	0.5	0.2	0.5
Above Normal (25%)	-0.4	-0.3	0.1	4.3	4.1	3.3	0.8	0.0	-0.3	0.0	0.0	-0.1
Below Normal (6%)	-0.1	-0.4	-0.6	0.7	1.7	1.2	-0.1	-0.2	-0.3	0.1	0.0	-0.2
Dry (13%)	-0.4	-0.1	-0.1	-0.1	0.1	0.9	-0.2	-0.4	-0.4	0.1	0.0	-0.1
Critical (25%)	-0.3	-0.4	-0.3	-0.1	-0.3	-0.1	-0.5	-0.7	-0.5	0.0	-0.2	-0.2

Alternative 4 H4 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.7	2.2	4.4	4.3	5.6	4.8	3.1	1.7	1.5	1.9	1.7	2.1
20%	1.5	1.7	1.6	3.8	4.6	4.0	1.9	1.5	1.4	1.8	1.7	1.9
30%	1.5	1.4	1.6	2.6	2.9	2.9	1.7	1.4	1.4	1.7	1.7	1.7
40%	1.5	1.4	1.6	1.7	1.9	2.0	1.5	1.3	1.4	1.6	1.6	1.6
50%	1.5	1.3	1.4	1.6	1.7	1.8	1.4	1.3	1.3	1.6	1.6	1.6
60%	1.4	1.3	1.4	1.5	1.4	1.7	1.3	1.2	1.3	1.6	1.5	1.6
70%	1.4	1.2	1.3	1.4	1.3	1.4	1.3	1.2	1.3	1.5	1.5	1.6
80%	1.3	1.2	1.2	1.3	1.3	1.2	1.2	1.1	1.3	1.4	1.5	1.5
90%	1.3	1.1	1.1	1.1	1.2	1.2	1.0	1.0	1.2	1.3	1.4	1.5
Long Term												
Full Simulation Period[a]	1.5	1.5	2.0	2.3	2.6	2.5	1.8	1.4	1.4	1.6	1.6	1.7
Water Year Types[b]												
Wet (31%)	1.6	2.3	4.1	3.4	4.8	4.5	3.2	1.8	1.6	1.8	1.6	2.1
Above Normal (25%)	1.5	1.2	1.6	4.3	4.4	3.5	2.0	1.5	1.3	1.5	1.5	1.6
Below Normal (6%)	1.5	1.3	1.2	1.9	2.1	1.9	1.4	1.2	1.3	1.3	1.4	1.4
Dry (13%)	1.3	1.3	1.4	1.3	1.4	1.8	1.3	1.3	1.4	1.6	1.6	1.6
Critical (25%)	1.4	1.3	1.3	1.3	1.3	1.3	1.1	1.1	1.2	1.6	1.6	1.6

Alternative 4 H4 (LLT) minus Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.4	0.3	-0.2	0.0	-0.2	-0.4	0.3	0.8	1.5	1.5	1.5	1.7
20%	1.7	0.6	1.1	0.5	-0.3	0.1	1.6	1.6	1.7	1.6	1.6	2.0
30%	1.7	1.6	1.4	0.7	0.6	0.4	1.5	1.6	1.7	1.6	1.7	1.7
40%	1.7	1.7	1.6	1.1	0.4	0.5	1.7	1.6	1.7	1.5	1.6	1.7
50%	1.8	1.7	1.5	1.1	1.1	0.7	1.6	1.6	1.7	1.5	1.6	1.7
60%	1.7	1.6	1.5	1.3	1.5	0.7	1.6	1.6	1.7	1.5	1.6	1.8
70%	1.7	1.7	1.6	1.6	1.5	1.3	1.6	1.7	1.7	1.5	1.6	1.8
80%	1.7	1.7	1.6	1.6	1.5	1.5	1.6	1.7	1.8	1.5	1.6	1.8
90%	1.7	1.7	1.7	1.6	1.6	1.7	1.6	1.7	1.7	1.5	1.7	1.7
Long Term												
Full Simulation Period[a]	1.7	1.3	1.2	1.0	0.9	0.7	1.3	1.4	1.5	1.5	1.6	1.7
Water Year Types[b]												
Wet (31%)	1.4	0.6	0.3	0.4	0.0	-0.2	0.8	0.6	0.9	1.3	1.5	1.6
Above Normal (25%)	1.9	1.5	1.5	0.0	0.3	0.2	1.2	1.4	1.6	1.5	1.5	1.7
Below Normal (6%)	1.6	1.7	1.7	1.3	0.4	0.7	1.5	1.4	1.6	1.2	1.5	1.6
Dry (13%)	1.7	1.4	1.5	1.4	1.3	0.9	1.5	1.7	1.7	1.5	1.6	1.7
Critical (25%)	1.7	1.7	1.6	1.4	1.6	1.4	1.6	1.7	1.8	1.6	1.7	1.8

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-26-2-9. Steamboat Sl d/s of Sutter Sl, Monthly Averaged Daily Minimum Elevation

Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0.3	1.9	4.6	4.3	5.8	5.2	2.9	0.9	0.0	0.4	0.2	0.4
20%	-0.1	1.1	0.6	3.3	4.9	3.8	0.3	-0.2	-0.3	0.2	0.1	0.0
30%	-0.2	-0.2	0.2	1.9	2.3	2.6	0.1	-0.2	-0.3	0.1	0.0	-0.1
40%	-0.3	-0.3	0.0	0.7	1.5	1.5	-0.1	-0.3	-0.3	0.1	0.0	-0.1
50%	-0.3	-0.4	-0.1	0.6	0.6	1.1	-0.2	-0.4	-0.4	0.1	0.0	-0.1
60%	-0.3	-0.4	-0.1	0.1	-0.1	1.0	-0.3	-0.4	-0.4	0.1	0.0	-0.2
70%	-0.4	-0.5	-0.2	-0.2	-0.2	0.2	-0.4	-0.5	-0.5	0.0	-0.1	-0.2
80%	-0.4	-0.6	-0.4	-0.3	-0.2	-0.3	-0.4	-0.6	-0.5	-0.1	-0.1	-0.2
90%	-0.4	-0.6	-0.6	-0.5	-0.4	-0.5	-0.6	-0.7	-0.5	-0.1	-0.2	-0.3
Long Term												
Full Simulation Period[a]	-0.2	0.2	0.8	1.3	1.8	1.9	0.5	0.0	-0.1	0.1	0.0	0.0
Water Year Types[b]												
Wet (31%)	0.1	1.8	3.8	3.0	4.8	4.8	2.4	1.1	0.8	0.5	0.2	0.5
Above Normal (25%)	-0.4	-0.3	0.1	4.3	4.1	3.3	0.8	0.0	-0.3	0.0	0.0	-0.1
Below Normal (6%)	-0.1	-0.4	-0.6	0.7	1.7	1.2	-0.1	-0.2	-0.3	0.1	0.0	-0.2
Dry (13%)	-0.4	-0.1	-0.1	-0.1	0.1	0.9	-0.2	-0.4	-0.4	0.1	0.0	-0.1
Critical (25%)	-0.3	-0.4	-0.3	-0.1	-0.3	-0.1	-0.5	-0.7	-0.5	0.0	-0.2	-0.2

Alternative 5 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.7	2.4	4.8	4.7	6.0	5.2	3.5	1.7	1.7	2.0	1.8	2.2
20%	1.5	1.8	1.7	4.2	5.1	4.3	1.6	1.4	1.4	1.9	1.7	2.1
30%	1.5	1.4	1.6	2.8	3.1	3.0	1.5	1.3	1.4	1.8	1.7	1.7
40%	1.5	1.4	1.6	1.8	2.2	2.1	1.4	1.3	1.4	1.8	1.7	1.7
50%	1.5	1.4	1.5	1.7	1.7	2.0	1.3	1.2	1.4	1.7	1.6	1.6
60%	1.4	1.3	1.4	1.6	1.4	1.7	1.3	1.2	1.3	1.6	1.6	1.6
70%	1.4	1.3	1.3	1.5	1.4	1.5	1.2	1.1	1.3	1.6	1.5	1.6
80%	1.3	1.2	1.2	1.3	1.3	1.2	1.1	1.1	1.3	1.5	1.5	1.5
90%	1.3	1.2	1.1	1.2	1.2	1.2	1.0	1.0	1.3	1.4	1.5	1.4
Long Term												
Full Simulation Period[a]	1.5	1.6	2.1	2.4	2.8	2.7	1.8	1.4	1.4	1.7	1.6	1.7
Water Year Types[b]												
Wet (31%)	1.6	2.5	4.4	3.7	5.2	4.9	3.3	1.8	1.8	1.9	1.8	2.2
Above Normal (25%)	1.4	1.3	1.6	4.6	4.7	3.7	1.8	1.4	1.4	1.7	1.6	1.7
Below Normal (6%)	1.5	1.3	1.2	1.9	2.2	2.0	1.4	1.2	1.4	1.5	1.5	1.5
Dry (13%)	1.4	1.3	1.4	1.4	1.5	1.9	1.3	1.3	1.4	1.7	1.6	1.5
Critical (25%)	1.5	1.3	1.3	1.4	1.3	1.3	1.2	1.1	1.2	1.6	1.6	1.6

Alternative 5 (LLT) minus Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.4	0.5	0.2	0.4	0.2	0.0	0.6	0.9	1.6	1.6	1.6	1.8
20%	1.7	0.7	1.1	0.9	0.1	0.5	1.3	1.6	1.7	1.7	1.6	2.1
30%	1.8	1.6	1.4	0.9	0.8	0.5	1.3	1.6	1.7	1.6	1.7	1.7
40%	1.8	1.7	1.6	1.2	0.7	0.6	1.5	1.5	1.7	1.7	1.7	1.8
50%	1.8	1.7	1.6	1.2	1.1	0.9	1.6	1.6	1.7	1.6	1.7	1.7
60%	1.7	1.7	1.6	1.5	1.5	0.7	1.6	1.6	1.7	1.6	1.6	1.8
70%	1.8	1.8	1.6	1.7	1.5	1.3	1.6	1.7	1.8	1.6	1.6	1.8
80%	1.8	1.8	1.6	1.6	1.6	1.5	1.6	1.7	1.8	1.6	1.6	1.8
90%	1.8	1.8	1.7	1.6	1.6	1.6	1.6	1.7	1.8	1.6	1.7	1.7
Long Term												
Full Simulation Period[a]	1.7	1.4	1.3	1.1	1.0	0.8	1.3	1.4	1.6	1.6	1.6	1.7
Water Year Types[b]												
Wet (31%)	1.5	0.8	0.5	0.6	0.3	0.1	0.9	0.7	1.0	1.4	1.6	1.7
Above Normal (25%)	1.8	1.6	1.5	0.3	0.6	0.5	0.9	1.3	1.7	1.7	1.6	1.8
Below Normal (6%)	1.6	1.7	1.8	1.3	0.5	0.8	1.5	1.4	1.8	1.5	1.5	1.6
Dry (13%)	1.7	1.5	1.5	1.5	1.4	1.0	1.5	1.7	1.7	1.6	1.6	1.7
Critical (25%)	1.8	1.7	1.6	1.5	1.6	1.5	1.6	1.7	1.8	1.6	1.7	1.8

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-26-2-10. Steamboat Sl d/s of Sutter Sl, Monthly Averaged Daily Minimum Elevation

Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.3	1.9	4.6	4.3	5.8	5.2	2.9	0.9	0.0	0.4	0.2	0.4
20%	-0.1	1.1	0.6	3.3	4.9	3.8	0.3	-0.2	-0.3	0.2	0.1	0.0
30%	-0.2	-0.2	0.2	1.9	2.3	2.6	0.1	-0.2	-0.3	0.1	0.0	-0.1
40%	-0.3	-0.3	0.0	0.7	1.5	1.5	-0.1	-0.3	-0.3	0.1	0.0	-0.1
50%	-0.3	-0.4	-0.1	0.6	0.6	1.1	-0.2	-0.4	-0.4	0.1	0.0	-0.1
60%	-0.3	-0.4	-0.1	0.1	-0.1	1.0	-0.3	-0.4	-0.4	0.1	0.0	-0.2
70%	-0.4	-0.5	-0.2	-0.2	-0.2	0.2	-0.4	-0.5	-0.5	0.0	-0.1	-0.2
80%	-0.4	-0.6	-0.4	-0.3	-0.2	-0.3	-0.4	-0.6	-0.5	-0.1	-0.1	-0.2
90%	-0.4	-0.6	-0.6	-0.5	-0.4	-0.5	-0.6	-0.7	-0.5	-0.1	-0.2	-0.3
Long Term												
Full Simulation Period[a]	-0.2	0.2	0.8	1.3	1.8	1.9	0.5	0.0	-0.1	0.1	0.0	0.0
Water Year Types[b]												
Wet (31%)	0.1	1.8	3.8	3.0	4.8	4.8	2.4	1.1	0.8	0.5	0.2	0.5
Above Normal (25%)	-0.4	-0.3	0.1	4.3	4.1	3.3	0.8	0.0	-0.3	0.0	0.0	-0.1
Below Normal (6%)	-0.1	-0.4	-0.6	0.7	1.7	1.2	-0.1	-0.2	-0.3	0.1	0.0	-0.2
Dry (13%)	-0.4	-0.1	-0.1	-0.1	0.1	0.9	-0.2	-0.4	-0.4	0.1	0.0	-0.1
Critical (25%)	-0.3	-0.4	-0.3	-0.1	-0.3	-0.1	-0.5	-0.7	-0.5	0.0	-0.2	-0.2

Alternative 6A,6B,6C (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.5	2.3	4.3	4.0	5.3	4.5	3.0	1.5	1.5	1.7	1.6	1.9
20%	1.4	1.7	1.7	3.6	4.6	3.8	1.6	1.4	1.4	1.5	1.6	1.7
30%	1.4	1.3	1.6	2.7	2.8	2.7	1.4	1.3	1.4	1.4	1.5	1.6
40%	1.3	1.3	1.5	1.7	2.0	2.0	1.4	1.3	1.4	1.4	1.5	1.5
50%	1.3	1.3	1.4	1.7	1.7	1.9	1.3	1.2	1.3	1.3	1.4	1.5
60%	1.3	1.2	1.4	1.5	1.6	1.7	1.3	1.2	1.3	1.3	1.4	1.5
70%	1.3	1.2	1.3	1.4	1.3	1.5	1.2	1.2	1.3	1.3	1.4	1.4
80%	1.2	1.2	1.1	1.2	1.3	1.2	1.2	1.1	1.3	1.3	1.3	1.4
90%	1.2	1.1	1.1	1.1	1.2	1.2	1.1	1.0	1.2	1.3	1.3	1.3
Long Term												
Full Simulation Period[a]	1.3	1.5	2.0	2.2	2.6	2.5	1.7	1.3	1.4	1.4	1.5	1.5
Water Year Types[b]												
Wet (31%)	1.4	2.3	4.0	3.3	4.7	4.4	2.9	1.7	1.6	1.6	1.6	1.9
Above Normal (25%)	1.3	1.2	1.6	4.0	4.1	3.3	1.6	1.4	1.3	1.4	1.4	1.4
Below Normal (6%)	1.4	1.2	1.1	1.9	2.0	1.9	1.4	1.2	1.4	1.2	1.3	1.3
Dry (13%)	1.3	1.3	1.4	1.3	1.4	1.8	1.3	1.3	1.4	1.3	1.4	1.4
Critical (25%)	1.3	1.3	1.3	1.3	1.3	1.3	1.1	1.1	1.2	1.4	1.5	1.5

Alternative 6A,6B,6C (LLT) minus Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.2	0.4	-0.3	-0.3	-0.5	-0.6	0.1	0.7	1.5	1.3	1.4	1.5
20%	1.5	0.6	1.1	0.3	-0.4	0.0	1.3	1.6	1.7	1.3	1.5	1.7
30%	1.6	1.5	1.4	0.8	0.5	0.1	1.3	1.6	1.7	1.3	1.5	1.6
40%	1.6	1.6	1.5	1.1	0.5	0.5	1.5	1.6	1.7	1.3	1.5	1.6
50%	1.6	1.6	1.5	1.2	1.1	0.7	1.6	1.6	1.7	1.3	1.5	1.6
60%	1.6	1.6	1.5	1.3	1.8	0.7	1.6	1.6	1.7	1.3	1.5	1.6
70%	1.6	1.7	1.6	1.6	1.5	1.3	1.5	1.7	1.7	1.3	1.5	1.6
80%	1.6	1.7	1.5	1.6	1.5	1.5	1.6	1.7	1.8	1.4	1.5	1.6
90%	1.7	1.7	1.7	1.6	1.6	1.6	1.7	1.7	1.8	1.4	1.5	1.6
Long Term												
Full Simulation Period[a]	1.5	1.3	1.2	0.9	0.8	0.6	1.2	1.3	1.5	1.3	1.5	1.5
Water Year Types[b]												
Wet (31%)	1.3	0.5	0.2	0.2	-0.1	-0.3	0.5	0.5	0.8	1.2	1.4	1.4
Above Normal (25%)	1.7	1.5	1.5	-0.3	0.0	0.1	0.8	1.3	1.6	1.3	1.4	1.5
Below Normal (6%)	1.5	1.6	1.7	1.2	0.4	0.7	1.5	1.4	1.7	1.2	1.4	1.5
Dry (13%)	1.6	1.4	1.5	1.4	1.3	0.9	1.5	1.6	1.7	1.2	1.3	1.6
Critical (25%)	1.6	1.7	1.6	1.4	1.6	1.4	1.6	1.7	1.8	1.4	1.6	1.7

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-26-2-11. Steamboat Sl d/s of Sutter Sl, Monthly Averaged Daily Minimum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.3	1.9	4.6	4.3	5.8	5.2	2.9	0.9	0.0	0.4	0.2	0.4
20%	-0.1	1.1	0.6	3.3	4.9	3.8	0.3	-0.2	-0.3	0.2	0.1	0.0
30%	-0.2	-0.2	0.2	1.9	2.3	2.6	0.1	-0.2	-0.3	0.1	0.0	-0.1
40%	-0.3	-0.3	0.0	0.7	1.5	1.5	-0.1	-0.3	-0.3	0.1	0.0	-0.1
50%	-0.3	-0.4	-0.1	0.6	0.6	1.1	-0.2	-0.4	-0.4	0.1	0.0	-0.1
60%	-0.3	-0.4	-0.1	0.1	-0.1	1.0	-0.3	-0.4	-0.4	0.1	0.0	-0.2
70%	-0.4	-0.5	-0.2	-0.2	-0.2	0.2	-0.4	-0.5	-0.5	0.0	-0.1	-0.2
80%	-0.4	-0.6	-0.4	-0.3	-0.2	-0.3	-0.4	-0.6	-0.5	-0.1	-0.1	-0.2
90%	-0.4	-0.6	-0.6	-0.5	-0.4	-0.5	-0.6	-0.7	-0.5	-0.1	-0.2	-0.3
Long Term												
Full Simulation Period[a]	-0.2	0.2	0.8	1.3	1.8	1.9	0.5	0.0	-0.1	0.1	0.0	0.0
Water Year Types[b]												
Wet (31%)	0.1	1.8	3.8	3.0	4.8	4.8	2.4	1.1	0.8	0.5	0.2	0.5
Above Normal (25%)	-0.4	-0.3	0.1	4.3	4.1	3.3	0.8	0.0	-0.3	0.0	0.0	-0.1
Below Normal (6%)	-0.1	-0.4	-0.6	0.7	1.7	1.2	-0.1	-0.2	-0.3	0.1	0.0	-0.2
Dry (13%)	-0.4	-0.1	-0.1	-0.1	0.1	0.9	-0.2	-0.4	-0.4	0.1	0.0	-0.1
Critical (25%)	-0.3	-0.4	-0.3	-0.1	-0.3	-0.1	-0.5	-0.7	-0.5	0.0	-0.2	-0.2

Alternative 7 (LLT)

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.5	2.3	4.6	4.2	5.6	4.7	3.1	1.6	1.5	1.9	1.8	2.1
20%	1.4	1.7	1.7	3.9	4.6	3.9	1.5	1.4	1.4	1.8	1.8	2.0
30%	1.4	1.4	1.6	2.6	2.8	2.7	1.4	1.3	1.4	1.8	1.7	1.7
40%	1.4	1.3	1.5	1.8	1.9	2.0	1.4	1.3	1.4	1.7	1.7	1.6
50%	1.3	1.3	1.4	1.7	1.7	1.8	1.3	1.2	1.4	1.7	1.6	1.6
60%	1.3	1.2	1.4	1.5	1.7	1.7	1.3	1.2	1.3	1.6	1.6	1.6
70%	1.3	1.2	1.3	1.4	1.4	1.5	1.2	1.2	1.3	1.6	1.6	1.5
80%	1.3	1.2	1.1	1.3	1.3	1.2	1.2	1.1	1.3	1.5	1.6	1.5
90%	1.3	1.1	1.1	1.1	1.2	1.2	1.1	1.0	1.2	1.5	1.5	1.5
Long Term												
Full Simulation Period[a]	1.4	1.5	2.1	2.3	2.6	2.5	1.7	1.3	1.4	1.7	1.7	1.7
Water Year Types[b]												
Wet (31%)	1.5	2.4	4.2	3.4	4.8	4.5	3.0	1.7	1.6	1.9	1.8	2.1
Above Normal (25%)	1.3	1.2	1.6	4.3	4.3	3.3	1.6	1.3	1.3	1.7	1.6	1.6
Below Normal (6%)	1.4	1.3	1.1	1.9	2.0	2.0	1.4	1.2	1.4	1.5	1.6	1.5
Dry (13%)	1.3	1.3	1.4	1.4	1.5	1.8	1.3	1.3	1.4	1.7	1.6	1.5
Critical (25%)	1.4	1.3	1.3	1.4	1.4	1.3	1.1	1.1	1.3	1.5	1.6	1.6

Alternative 7 (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.3	0.4	0.0	-0.1	-0.2	-0.4	0.2	0.7	1.5	1.5	1.6	1.7
20%	1.6	0.6	1.1	0.5	-0.3	0.1	1.2	1.6	1.7	1.6	1.7	2.0
30%	1.6	1.5	1.4	0.7	0.5	0.1	1.3	1.6	1.7	1.6	1.7	1.7
40%	1.6	1.6	1.5	1.1	0.4	0.5	1.5	1.5	1.7	1.6	1.7	1.7
50%	1.7	1.7	1.5	1.1	1.1	0.7	1.6	1.6	1.7	1.6	1.7	1.7
60%	1.7	1.6	1.6	1.4	1.8	0.8	1.6	1.6	1.7	1.5	1.6	1.7
70%	1.7	1.7	1.6	1.6	1.5	1.3	1.5	1.7	1.8	1.6	1.7	1.7
80%	1.7	1.7	1.6	1.6	1.6	1.5	1.6	1.7	1.8	1.6	1.7	1.7
90%	1.7	1.7	1.7	1.6	1.6	1.6	1.7	1.7	1.8	1.6	1.7	1.7
Long Term												
Full Simulation Period[a]	1.6	1.3	1.2	1.0	0.9	0.7	1.2	1.3	1.5	1.5	1.7	1.7
Water Year Types[b]												
Wet (31%)	1.4	0.6	0.4	0.3	0.0	-0.3	0.6	0.6	0.8	1.4	1.6	1.6
Above Normal (25%)	1.7	1.6	1.5	0.0	0.2	0.1	0.8	1.3	1.6	1.7	1.6	1.7
Below Normal (6%)	1.5	1.7	1.7	1.3	0.4	0.8	1.5	1.4	1.7	1.5	1.6	1.7
Dry (13%)	1.7	1.4	1.5	1.4	1.4	0.9	1.5	1.6	1.7	1.6	1.6	1.6
Critical (25%)	1.7	1.7	1.6	1.4	1.6	1.4	1.6	1.7	1.8	1.5	1.8	1.8

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-26-2-12. Steamboat Sl d/s of Sutter Sl, Monthly Averaged Daily Minimum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.3	1.9	4.6	4.3	5.8	5.2	2.9	0.9	0.0	0.4	0.2	0.4
20%	-0.1	1.1	0.6	3.3	4.9	3.8	0.3	-0.2	-0.3	0.2	0.1	0.0
30%	-0.2	-0.2	0.2	1.9	2.3	2.6	0.1	-0.2	-0.3	0.1	0.0	-0.1
40%	-0.3	-0.3	0.0	0.7	1.5	1.5	-0.1	-0.3	-0.3	0.1	0.0	-0.1
50%	-0.3	-0.4	-0.1	0.6	0.6	1.1	-0.2	-0.4	-0.4	0.1	0.0	-0.1
60%	-0.3	-0.4	-0.1	0.1	-0.1	1.0	-0.3	-0.4	-0.4	0.1	0.0	-0.2
70%	-0.4	-0.5	-0.2	-0.2	-0.2	0.2	-0.4	-0.5	-0.5	0.0	-0.1	-0.2
80%	-0.4	-0.6	-0.4	-0.3	-0.2	-0.3	-0.4	-0.6	-0.5	-0.1	-0.1	-0.2
90%	-0.4	-0.6	-0.6	-0.5	-0.4	-0.5	-0.6	-0.7	-0.5	-0.1	-0.2	-0.3
Long Term												
Full Simulation Period[a]	-0.2	0.2	0.8	1.3	1.8	1.9	0.5	0.0	-0.1	0.1	0.0	0.0
Water Year Types[b]												
Wet (31%)	0.1	1.8	3.8	3.0	4.8	4.8	2.4	1.1	0.8	0.5	0.2	0.5
Above Normal (25%)	-0.4	-0.3	0.1	4.3	4.1	3.3	0.8	0.0	-0.3	0.0	0.0	-0.1
Below Normal (6%)	-0.1	-0.4	-0.6	0.7	1.7	1.2	-0.1	-0.2	-0.3	0.1	0.0	-0.2
Dry (13%)	-0.4	-0.1	-0.1	-0.1	0.1	0.9	-0.2	-0.4	-0.4	0.1	0.0	-0.1
Critical (25%)	-0.3	-0.4	-0.3	-0.1	-0.3	-0.1	-0.5	-0.7	-0.5	0.0	-0.2	-0.2

Alternative 8 (LLT)

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.6	2.5	4.6	4.3	5.5	4.7	3.3	1.7	1.5	1.8	1.8	2.1
20%	1.4	1.8	1.7	3.9	4.6	3.9	1.8	1.5	1.4	1.6	1.7	1.9
30%	1.4	1.4	1.6	2.6	3.1	2.9	1.5	1.3	1.4	1.6	1.7	1.7
40%	1.4	1.4	1.5	1.9	1.9	2.1	1.5	1.3	1.4	1.6	1.7	1.6
50%	1.3	1.3	1.4	1.8	1.8	2.0	1.4	1.3	1.4	1.5	1.6	1.6
60%	1.3	1.3	1.4	1.6	1.7	1.9	1.4	1.2	1.3	1.5	1.6	1.5
70%	1.3	1.2	1.3	1.4	1.4	1.5	1.3	1.2	1.3	1.5	1.6	1.5
80%	1.3	1.2	1.2	1.3	1.4	1.3	1.2	1.1	1.3	1.5	1.5	1.5
90%	1.3	1.1	1.1	1.1	1.2	1.3	1.2	1.1	1.2	1.4	1.5	1.4
Long Term												
Full Simulation Period[a]	1.4	1.6	2.1	2.3	2.7	2.6	1.8	1.4	1.4	1.6	1.6	1.7
Water Year Types[b]												
Wet (31%)	1.5	2.5	4.2	3.4	4.8	4.5	3.1	1.9	1.7	1.7	1.8	2.1
Above Normal (25%)	1.3	1.2	1.6	4.4	4.3	3.4	1.8	1.4	1.3	1.5	1.6	1.6
Below Normal (6%)	1.4	1.3	1.2	2.0	2.4	2.0	1.5	1.3	1.3	1.4	1.5	1.5
Dry (13%)	1.3	1.3	1.4	1.4	1.5	2.0	1.5	1.3	1.4	1.5	1.6	1.5
Critical (25%)	1.4	1.3	1.3	1.4	1.4	1.4	1.2	1.1	1.3	1.5	1.6	1.6

Alternative 8 (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.3	0.5	**0.0**	**0.0**	**-0.3**	**-0.4**	0.4	0.9	1.5	1.4	1.6	1.7
20%	1.6	0.6	1.1	0.5	**-0.3**	0.0	1.4	1.6	1.7	1.4	1.6	2.0
30%	1.7	1.6	1.4	0.7	0.8	0.4	1.4	1.6	1.7	1.5	1.7	1.8
40%	1.6	1.7	1.5	1.3	0.4	0.6	1.6	1.6	1.7	1.4	1.7	1.7
50%	1.7	1.7	1.5	1.2	1.2	0.8	1.6	1.6	1.7	1.4	1.6	1.7
60%	1.7	1.7	1.6	1.4	1.8	0.9	1.7	1.7	1.7	1.5	1.6	1.7
70%	1.7	1.7	1.6	1.6	1.6	1.4	1.6	1.7	1.8	1.5	1.7	1.7
80%	1.7	1.8	1.6	1.6	1.6	1.6	1.6	1.7	1.8	1.5	1.6	1.7
90%	1.7	1.7	1.7	1.6	1.6	1.8	1.8	1.8	1.8	1.5	1.7	1.7
Long Term												
Full Simulation Period[a]	1.6	1.4	1.2	1.0	0.9	0.8	1.3	1.4	1.5	1.4	1.6	1.7
Water Year Types[b]												
Wet (31%)	1.4	0.7	0.4	0.4	**0.0**	**-0.3**	0.7	0.7	0.9	1.3	1.6	1.6
Above Normal (25%)	1.7	1.5	1.5	0.1	0.2	0.1	0.9	1.3	1.6	1.5	1.6	1.7
Below Normal (6%)	1.6	1.7	1.7	1.4	0.7	0.9	1.6	1.5	1.7	1.4	1.6	1.7
Dry (13%)	1.7	1.4	1.5	1.5	1.5	1.1	1.7	1.7	1.7	1.4	1.5	1.6
Critical (25%)	1.7	1.7	1.6	1.5	1.6	1.5	1.7	1.8	1.8	1.5	1.7	1.8

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-26-2-13. Steamboat Sl d/s of Sutter Sl, Monthly Averaged Daily Minimum Elevation

Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0.3	1.9	4.6	4.3	5.8	5.2	2.9	0.9	0.0	0.4	0.2	0.4
20%	-0.1	1.1	0.6	3.3	4.9	3.8	0.3	-0.2	-0.3	0.2	0.1	0.0
30%	-0.2	-0.2	0.2	1.9	2.3	2.6	0.1	-0.2	-0.3	0.1	0.0	-0.1
40%	-0.3	-0.3	0.0	0.7	1.5	1.5	-0.1	-0.3	-0.3	0.1	0.0	-0.1
50%	-0.3	-0.4	-0.1	0.6	0.6	1.1	-0.2	-0.4	-0.4	0.1	0.0	-0.1
60%	-0.3	-0.4	-0.1	0.1	-0.1	1.0	-0.3	-0.4	-0.4	0.1	0.0	-0.2
70%	-0.4	-0.5	-0.2	-0.2	-0.2	0.2	-0.4	-0.5	-0.5	0.0	-0.1	-0.2
80%	-0.4	-0.6	-0.4	-0.3	-0.2	-0.3	-0.4	-0.6	-0.5	-0.1	-0.1	-0.2
90%	-0.4	-0.6	-0.6	-0.5	-0.4	-0.5	-0.6	-0.7	-0.5	-0.1	-0.2	-0.3
Long Term												
Full Simulation Period[a]	-0.2	0.2	0.8	1.3	1.8	1.9	0.5	0.0	-0.1	0.1	0.0	0.0
Water Year Types[b]												
Wet (31%)	0.1	1.8	3.8	3.0	4.8	4.8	2.4	1.1	0.8	0.5	0.2	0.5
Above Normal (25%)	-0.4	-0.3	0.1	4.3	4.1	3.3	0.8	0.0	-0.3	0.0	0.0	-0.1
Below Normal (6%)	-0.1	-0.4	-0.6	0.7	1.7	1.2	-0.1	-0.2	-0.3	0.1	0.0	-0.2
Dry (13%)	-0.4	-0.1	-0.1	-0.1	0.1	0.9	-0.2	-0.4	-0.4	0.1	0.0	-0.1
Critical (25%)	-0.3	-0.4	-0.3	-0.1	-0.3	-0.1	-0.5	-0.7	-0.5	0.0	-0.2	-0.2

Alternative 9 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.6	2.5	5.1	5.1	6.4	5.6	3.6	1.8	1.7	2.0	1.8	2.4
20%	1.5	1.8	1.7	4.6	5.5	4.7	1.6	1.5	1.4	1.8	1.7	2.2
30%	1.5	1.5	1.6	2.9	3.3	3.2	1.5	1.4	1.4	1.8	1.7	1.8
40%	1.4	1.4	1.5	1.9	2.4	2.2	1.4	1.4	1.4	1.7	1.7	1.7
50%	1.4	1.4	1.5	1.8	1.8	2.1	1.4	1.3	1.4	1.7	1.7	1.6
60%	1.4	1.4	1.4	1.5	1.4	1.8	1.3	1.2	1.3	1.6	1.6	1.6
70%	1.4	1.2	1.4	1.4	1.4	1.5	1.3	1.2	1.3	1.6	1.6	1.6
80%	1.3	1.2	1.2	1.3	1.3	1.2	1.2	1.2	1.3	1.5	1.5	1.5
90%	1.3	1.1	1.1	1.2	1.2	1.2	1.1	1.1	1.3	1.5	1.5	1.5
Long Term												
Full Simulation Period[a]	1.5	1.7	2.2	2.5	3.0	2.9	1.9	1.4	1.5	1.7	1.7	1.8
Water Year Types[b]												
Wet (31%)	1.6	2.6	4.7	4.0	5.5	5.2	3.5	2.0	1.8	1.9	1.8	2.4
Above Normal (25%)	1.3	1.3	1.6	5.0	5.1	4.0	1.9	1.4	1.4	1.8	1.7	1.8
Below Normal (6%)	1.5	1.4	1.2	2.0	2.4	2.1	1.4	1.2	1.4	1.5	1.5	1.5
Dry (13%)	1.4	1.4	1.4	1.4	1.5	2.0	1.3	1.4	1.4	1.7	1.6	1.5
Critical (25%)	1.4	1.3	1.3	1.4	1.3	1.4	1.2	1.1	1.3	1.6	1.6	1.5

Alternative 9 (LLT) minus Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.4	0.6	0.5	0.8	0.6	0.4	0.7	1.0	1.6	1.6	1.6	2.0
20%	1.6	0.7	1.1	1.2	0.6	0.9	1.3	1.7	1.7	1.6	1.6	2.3
30%	1.7	1.7	1.4	1.0	1.0	0.7	1.4	1.6	1.8	1.6	1.7	1.8
40%	1.7	1.7	1.6	1.2	0.9	0.7	1.5	1.6	1.7	1.6	1.7	1.8
50%	1.7	1.7	1.6	1.3	1.2	1.0	1.6	1.6	1.8	1.6	1.7	1.7
60%	1.8	1.7	1.6	1.4	1.5	0.8	1.7	1.7	1.7	1.6	1.7	1.7
70%	1.8	1.7	1.6	1.6	1.5	1.3	1.6	1.7	1.8	1.6	1.7	1.7
80%	1.7	1.7	1.6	1.7	1.6	1.5	1.6	1.8	1.8	1.6	1.7	1.7
90%	1.7	1.8	1.8	1.6	1.7	1.7	1.7	1.8	1.8	1.6	1.8	1.7
Long Term												
Full Simulation Period[a]	1.7	1.4	1.4	1.2	1.2	1.0	1.4	1.5	1.6	1.6	1.7	1.8
Water Year Types[b]												
Wet (31%)	1.5	0.9	0.8	0.9	0.7	0.5	1.0	0.8	1.0	1.4	1.7	1.9
Above Normal (25%)	1.7	1.6	1.5	0.7	1.0	0.8	1.1	1.4	1.7	1.7	1.7	1.8
Below Normal (6%)	1.6	1.8	1.8	1.3	0.7	1.0	1.5	1.4	1.7	1.5	1.6	1.7
Dry (13%)	1.8	1.5	1.5	1.5	1.4	1.1	1.6	1.8	1.8	1.6	1.6	1.7
Critical (25%)	1.7	1.7	1.6	1.5	1.6	1.5	1.7	1.8	1.8	1.6	1.7	1.8

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-26-2-14. Steamboat Sl d/s of Sutter Sl, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.2	2.3	5.3	5.4	6.7	5.8	3.8	1.5	1.1	1.6	1.4	2.2
20%	1.1	1.6	1.4	4.8	5.8	5.0	1.5	1.0	0.9	1.6	1.3	1.7
30%	1.1	1.1	1.3	3.0	3.4	3.5	1.2	1.0	0.9	1.5	1.3	1.4
40%	1.0	1.0	1.2	1.7	2.3	2.3	1.0	0.9	0.9	1.5	1.2	1.2
50%	1.0	0.9	1.1	1.6	1.6	2.1	1.0	0.8	0.8	1.5	1.2	1.1
60%	0.9	0.8	1.0	1.3	1.0	1.6	0.9	0.7	0.8	1.4	1.2	1.1
70%	0.9	0.7	0.9	1.1	1.0	1.2	0.9	0.7	0.8	1.2	1.1	1.1
80%	0.9	0.7	0.8	0.9	0.9	0.8	0.8	0.7	0.7	1.1	1.0	1.0
90%	0.8	0.6	0.7	0.7	0.8	0.8	0.6	0.5	0.7	1.0	1.0	1.0
Long Term												
Full Simulation Period[a]	1.0	1.3	1.9	2.4	2.8	2.8	1.6	1.0	0.9	1.4	1.2	1.4
Water Year Types[b]												
Wet (31%)	1.2	2.4	4.7	4.2	5.7	5.4	3.4	1.6	1.4	1.6	1.4	2.1
Above Normal (25%)	0.9	0.8	1.3	5.2	5.3	4.3	1.7	1.0	0.9	1.5	1.3	1.4
Below Normal (6%)	1.1	1.0	0.8	1.8	2.3	2.0	1.0	0.8	0.9	1.1	1.1	1.1
Dry (13%)	0.9	1.0	1.0	1.1	1.2	1.9	1.0	0.9	0.9	1.4	1.2	1.0
Critical (25%)	0.9	0.8	0.9	1.1	0.9	1.0	0.8	0.6	0.7	1.2	1.1	1.0

Alternative 1A,1B,1C (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.8	2.1	4.2	4.2	5.5	4.7	3.1	1.6	1.6	2.0	1.7	1.7
20%	1.6	1.7	1.6	3.7	4.6	3.8	1.6	1.4	1.5	1.8	1.7	1.7
30%	1.6	1.5	1.6	2.7	2.7	2.9	1.5	1.3	1.4	1.8	1.7	1.6
40%	1.5	1.4	1.6	1.9	2.0	1.9	1.4	1.3	1.4	1.8	1.6	1.6
50%	1.5	1.3	1.5	1.7	1.7	1.9	1.4	1.3	1.4	1.7	1.5	1.5
60%	1.5	1.2	1.4	1.5	1.4	1.7	1.3	1.2	1.3	1.6	1.5	1.5
70%	1.4	1.2	1.3	1.3	1.4	1.5	1.2	1.2	1.3	1.5	1.5	1.5
80%	1.4	1.1	1.2	1.2	1.3	1.2	1.2	1.2	1.3	1.5	1.4	1.4
90%	1.3	1.1	1.1	1.1	1.3	1.2	1.1	1.0	1.2	1.4	1.4	1.4
Long Term												
Full Simulation Period[a]	1.5	1.5	2.0	2.3	2.6	2.5	1.7	1.3	1.4	1.7	1.6	1.6
Water Year Types[b]												
Wet (31%)	1.5	2.4	4.0	3.4	4.7	4.6	3.0	1.7	1.7	1.9	1.6	1.7
Above Normal (25%)	1.5	1.2	1.6	4.1	4.3	3.5	1.7	1.3	1.3	1.6	1.5	1.4
Below Normal (6%)	1.9	1.2	1.2	1.9	2.0	1.9	1.4	1.2	1.4	1.4	1.4	1.4
Dry (13%)	1.4	1.2	1.4	1.4	1.4	1.8	1.3	1.3	1.4	1.7	1.7	1.5
Critical (25%)	1.6	1.3	1.3	1.3	1.3	1.3	1.2	1.1	1.2	1.6	1.6	1.6

Alternative 1A,1B,1C (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.6	-0.2	-1.1	-1.3	-1.1	-1.1	-0.7	0.0	0.5	0.4	0.3	-0.5
20%	0.5	0.1	0.2	-1.1	-1.2	-1.1	0.1	0.4	0.5	0.3	0.4	0.0
30%	0.5	0.4	0.3	-0.2	-0.7	-0.7	0.3	0.4	0.5	0.3	0.4	0.2
40%	0.5	0.4	0.3	0.1	-0.3	-0.4	0.4	0.4	0.5	0.3	0.4	0.4
50%	0.6	0.3	0.4	0.0	0.1	-0.2	0.4	0.4	0.5	0.2	0.3	0.4
60%	0.5	0.4	0.4	0.2	0.4	0.0	0.4	0.5	0.5	0.2	0.3	0.4
70%	0.5	0.4	0.4	0.2	0.4	0.2	0.4	0.5	0.5	0.3	0.4	0.4
80%	0.4	0.4	0.4	0.3	0.4	0.4	0.4	0.5	0.5	0.3	0.4	0.4
90%	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.5	0.5	0.4	0.4	0.4
Long Term												
Full Simulation Period[a]	0.5	0.2	0.1	-0.2	-0.2	-0.3	0.1	0.3	0.5	0.3	0.4	0.2
Water Year Types[b]												
Wet (31%)	0.3	0.0	-0.8	-0.8	-1.0	-0.9	-0.4	0.0	0.3	0.3	0.2	-0.4
Above Normal (25%)	0.6	0.3	0.3	-1.1	-0.9	-0.8	-0.1	0.3	0.4	0.1	0.2	0.0
Below Normal (6%)	0.7	0.2	0.4	0.1	-0.3	-0.1	0.3	0.4	0.4	0.3	0.2	0.3
Dry (13%)	0.4	0.3	0.4	0.4	0.2	0.0	0.4	0.4	0.5	0.3	0.5	0.5
Critical (25%)	0.6	0.4	0.4	0.2	0.4	0.3	0.4	0.5	0.5	0.4	0.5	0.5

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-26-2-15. Steamboat Sl d/s of Sutter Sl, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.2	2.3	5.3	5.4	6.7	5.8	3.8	1.5	1.1	1.6	1.4	2.2
20%	1.1	1.6	1.4	4.8	5.8	5.0	1.5	1.0	0.9	1.6	1.3	1.7
30%	1.1	1.1	1.3	3.0	3.4	3.5	1.2	1.0	0.9	1.5	1.3	1.4
40%	1.0	1.0	1.2	1.7	2.3	2.3	1.0	0.9	0.9	1.5	1.2	1.2
50%	1.0	0.9	1.1	1.6	1.6	2.1	1.0	0.8	0.8	1.5	1.2	1.1
60%	0.9	0.8	1.0	1.3	1.0	1.6	0.9	0.7	0.8	1.4	1.2	1.1
70%	0.9	0.7	0.9	1.1	1.0	1.2	0.9	0.7	0.8	1.2	1.1	1.1
80%	0.9	0.7	0.8	0.9	0.9	0.8	0.8	0.7	0.7	1.1	1.0	1.0
90%	0.8	0.6	0.7	0.7	0.8	0.8	0.6	0.5	0.7	1.0	1.0	1.0
Long Term												
Full Simulation Period[a]	1.0	1.3	1.9	2.4	2.8	2.8	1.6	1.0	0.9	1.4	1.2	1.4
Water Year Types[b]												
Wet (31%)	1.2	2.4	4.7	4.2	5.7	5.4	3.4	1.6	1.4	1.6	1.4	2.1
Above Normal (25%)	0.9	0.8	1.3	5.2	5.3	4.3	1.7	1.0	0.9	1.5	1.3	1.4
Below Normal (6%)	1.1	1.0	0.8	1.8	2.3	2.0	1.0	0.8	0.9	1.1	1.1	1.1
Dry (13%)	0.9	1.0	1.0	1.1	1.2	1.9	1.0	0.9	0.9	1.4	1.2	1.0
Critical (25%)	0.9	0.8	0.9	1.1	0.9	1.0	0.8	0.6	0.7	1.2	1.1	1.0

Alternative 2A,2B,2C (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.6	2.0	4.2	4.2	5.5	4.7	3.1	1.6	1.6	2.0	1.7	2.1
20%	1.6	1.7	1.6	3.7	4.6	3.9	1.6	1.4	1.4	1.9	1.7	1.8
30%	1.5	1.4	1.6	2.7	2.7	2.7	1.4	1.3	1.4	1.9	1.7	1.7
40%	1.5	1.4	1.5	1.7	2.0	2.0	1.4	1.3	1.4	1.7	1.6	1.6
50%	1.4	1.3	1.5	1.7	1.7	1.9	1.4	1.3	1.3	1.7	1.6	1.6
60%	1.3	1.3	1.4	1.6	1.4	1.7	1.3	1.2	1.3	1.7	1.5	1.6
70%	1.3	1.2	1.3	1.4	1.3	1.5	1.2	1.2	1.3	1.6	1.5	1.6
80%	1.3	1.2	1.2	1.2	1.3	1.2	1.2	1.1	1.3	1.5	1.5	1.5
90%	1.2	1.1	1.1	1.2	1.2	1.2	1.1	1.0	1.2	1.4	1.5	1.5
Long Term												
Full Simulation Period[a]	1.4	1.5	2.0	2.3	2.6	2.5	1.7	1.3	1.4	1.7	1.6	1.7
Water Year Types[b]												
Wet (31%)	1.5	2.2	3.9	3.4	4.8	4.5	3.0	1.7	1.6	1.9	1.6	2.1
Above Normal (25%)	1.5	1.2	1.6	4.0	4.3	3.5	1.6	1.4	1.3	1.8	1.6	1.6
Below Normal (6%)	1.4	1.3	1.2	1.9	2.0	1.8	1.4	1.2	1.3	1.3	1.4	1.5
Dry (13%)	1.3	1.3	1.4	1.3	1.4	1.7	1.3	1.3	1.4	1.7	1.6	1.6
Critical (25%)	1.4	1.3	1.3	1.4	1.3	1.3	1.2	1.1	1.3	1.6	1.6	1.6

Alternative 2A,2B,2C (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.4	-0.2	-1.2	-1.3	-1.2	-1.1	-0.7	0.0	0.4	0.4	0.3	-0.1
20%	0.5	0.2	0.2	-1.1	-1.2	-1.1	0.1	0.4	0.5	0.4	0.4	0.2
30%	0.5	0.3	0.2	-0.3	-0.7	-0.8	0.2	0.4	0.5	0.3	0.4	0.3
40%	0.4	0.4	0.3	-0.1	-0.3	-0.4	0.4	0.4	0.5	0.3	0.4	0.4
50%	0.5	0.4	0.4	0.0	0.1	-0.2	0.4	0.4	0.5	0.2	0.4	0.5
60%	0.4	0.4	0.4	0.3	0.3	0.0	0.4	0.5	0.5	0.3	0.4	0.5
70%	0.4	0.4	0.5	0.3	0.3	0.2	0.4	0.5	0.5	0.3	0.4	0.5
80%	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.4	0.5	0.5
90%	0.4	0.5	0.4	0.5	0.4	0.4	0.4	0.5	0.5	0.4	0.4	0.5
Long Term												
Full Simulation Period[a]	0.4	0.2	0.1	-0.2	-0.2	-0.3	0.1	0.3	0.4	0.3	0.4	0.3
Water Year Types[b]												
Wet (31%)	0.3	-0.2	-0.8	-0.7	-1.0	-0.9	-0.4	0.0	0.2	0.3	0.3	0.0
Above Normal (25%)	0.6	0.4	0.3	-1.2	-1.0	-0.8	-0.1	0.3	0.4	0.3	0.3	0.2
Below Normal (6%)	0.3	0.3	0.4	0.1	-0.3	-0.2	0.4	0.4	0.4	0.2	0.3	0.4
Dry (13%)	0.4	0.3	0.4	0.3	0.2	-0.2	0.4	0.4	0.5	0.3	0.4	0.5
Critical (25%)	0.5	0.5	0.4	0.3	0.4	0.3	0.4	0.5	0.5	0.4	0.5	0.5

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-26-2-16. Steamboat Sl d/s of Sutter Sl, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.2	2.3	5.3	5.4	6.7	5.8	3.8	1.5	1.1	1.6	1.4	2.2
20%	1.1	1.6	1.4	4.8	5.8	5.0	1.5	1.0	0.9	1.6	1.3	1.7
30%	1.1	1.1	1.3	3.0	3.4	3.5	1.2	1.0	0.9	1.5	1.3	1.4
40%	1.0	1.0	1.2	1.7	2.3	2.3	1.0	0.9	0.9	1.5	1.2	1.2
50%	1.0	0.9	1.1	1.6	1.6	2.1	1.0	0.8	0.8	1.5	1.2	1.1
60%	0.9	0.8	1.0	1.3	1.0	1.6	0.9	0.7	0.8	1.4	1.2	1.1
70%	0.9	0.7	0.9	1.1	1.0	1.2	0.9	0.7	0.8	1.2	1.1	1.1
80%	0.9	0.7	0.8	0.9	0.9	0.8	0.8	0.7	0.7	1.1	1.0	1.0
90%	0.8	0.6	0.7	0.7	0.8	0.8	0.6	0.5	0.7	1.0	1.0	1.0
Long Term												
Full Simulation Period[a]	1.0	1.3	1.9	2.4	2.8	2.8	1.6	1.0	0.9	1.4	1.2	1.4
Water Year Types[b]												
Wet (31%)	1.2	2.4	4.7	4.2	5.7	5.4	3.4	1.6	1.4	1.6	1.4	2.1
Above Normal (25%)	0.9	0.8	1.3	5.2	5.3	4.3	1.7	1.0	0.9	1.5	1.3	1.4
Below Normal (6%)	1.1	1.0	0.8	1.8	2.3	2.0	1.0	0.8	0.9	1.1	1.1	1.1
Dry (13%)	0.9	1.0	1.0	1.1	1.2	1.9	1.0	0.9	0.9	1.4	1.2	1.0
Critical (25%)	0.9	0.8	0.9	1.1	0.9	1.0	0.8	0.6	0.7	1.2	1.1	1.0

Alternative 3 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.8	2.3	4.7	4.5	5.8	5.0	3.3	1.7	1.7	1.9	1.7	1.8
20%	1.7	1.7	1.7	4.1	4.8	4.1	1.5	1.4	1.4	1.9	1.7	1.7
30%	1.7	1.4	1.6	2.7	2.9	2.9	1.5	1.4	1.4	1.8	1.7	1.6
40%	1.5	1.3	1.5	1.9	2.1	2.0	1.4	1.3	1.3	1.8	1.6	1.6
50%	1.5	1.3	1.5	1.7	1.7	1.9	1.3	1.2	1.3	1.6	1.6	1.5
60%	1.4	1.2	1.4	1.5	1.4	1.7	1.3	1.2	1.3	1.6	1.5	1.5
70%	1.4	1.2	1.3	1.4	1.4	1.5	1.2	1.1	1.3	1.6	1.5	1.5
80%	1.3	1.2	1.2	1.3	1.3	1.2	1.2	1.1	1.3	1.4	1.5	1.5
90%	1.3	1.1	1.1	1.2	1.2	1.2	1.1	1.0	1.3	1.4	1.5	1.4
Long Term												
Full Simulation Period[a]	1.5	1.6	2.1	2.3	2.7	2.6	1.8	1.3	1.4	1.7	1.6	1.6
Water Year Types[b]												
Wet (31%)	1.6	2.5	4.3	3.5	5.0	4.7	3.2	1.8	1.7	1.8	1.7	1.8
Above Normal (25%)	1.6	1.2	1.6	4.4	4.6	3.6	1.7	1.3	1.4	1.6	1.6	1.5
Below Normal (6%)	1.7	1.3	1.2	1.9	2.1	1.9	1.3	1.2	1.3	1.4	1.4	1.4
Dry (13%)	1.4	1.3	1.4	1.4	1.4	1.9	1.3	1.3	1.4	1.7	1.6	1.5
Critical (25%)	1.6	1.3	1.3	1.4	1.3	1.3	1.2	1.1	1.2	1.5	1.6	1.6

Alternative 3 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.6	0.1	**-0.6**	**-0.9**	**-0.8**	**-0.9**	**-0.5**	0.1	0.5	0.3	0.3	**-0.4**
20%	0.6	0.2	0.3	**-0.7**	**-1.0**	**-0.8**	0.1	0.4	0.5	0.3	0.4	0.0
30%	0.7	0.3	0.3	**-0.3**	**-0.5**	**-0.6**	0.3	0.4	0.5	0.3	0.4	0.2
40%	0.5	0.3	0.3	0.2	**-0.2**	**-0.3**	0.3	0.4	0.5	0.3	0.4	0.4
50%	0.5	0.3	0.4	0.0	0.1	**-0.2**	0.4	0.4	0.5	0.2	0.4	0.4
60%	0.5	0.4	0.4	0.2	0.4	0.1	0.4	0.4	0.5	0.2	0.4	0.4
70%	0.5	0.5	0.5	0.2	0.4	0.3	0.4	0.5	0.5	0.3	0.4	0.4
80%	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.3	0.5	0.5
90%	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.5	0.5	0.4	0.4	0.5
Long Term												
Full Simulation Period[a]	0.5	0.3	0.2	**-0.1**	**-0.1**	**-0.2**	0.2	0.3	0.5	0.3	0.4	0.3
Water Year Types[b]												
Wet (31%)	0.3	0.1	**-0.5**	**-0.6**	**-0.8**	**-0.7**	**-0.3**	0.1	0.4	0.3	0.3	**-0.2**
Above Normal (25%)	0.7	0.4	0.3	**-0.8**	**-0.7**	**-0.7**	0.0	0.3	0.5	0.1	0.3	0.1
Below Normal (6%)	0.6	0.3	0.4	0.1	**-0.2**	**-0.1**	0.3	0.4	0.4	0.3	0.3	0.3
Dry (13%)	0.4	0.3	0.4	0.4	0.2	0.0	0.4	0.5	0.5	0.3	0.4	0.5
Critical (25%)	0.7	0.4	0.4	0.2	0.4	0.3	0.4	0.5	0.5	0.4	0.5	0.5

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-26-2-17. Steamboat Sl d/s of Sutter Sl, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.2	2.3	5.3	5.4	6.7	5.8	3.8	1.5	1.1	1.6	1.4	2.2
20%	1.1	1.6	1.4	4.8	5.8	5.0	1.5	1.0	0.9	1.6	1.3	1.7
30%	1.1	1.1	1.3	3.0	3.4	3.5	1.2	1.0	0.9	1.5	1.3	1.4
40%	1.0	1.0	1.2	1.7	2.3	2.3	1.0	0.9	0.9	1.5	1.2	1.2
50%	1.0	0.9	1.1	1.6	1.6	2.1	1.0	0.8	0.8	1.5	1.2	1.1
60%	0.9	0.8	1.0	1.3	1.0	1.6	0.9	0.7	0.8	1.4	1.2	1.1
70%	0.9	0.7	0.9	1.1	1.0	1.2	0.9	0.7	0.8	1.2	1.1	1.1
80%	0.9	0.7	0.8	0.9	0.9	0.8	0.8	0.7	0.7	1.1	1.0	1.0
90%	0.8	0.6	0.7	0.7	0.8	0.8	0.6	0.5	0.7	1.0	1.0	1.0
Long Term												
Full Simulation Period[a]	1.0	1.3	1.9	2.4	2.8	2.8	1.6	1.0	0.9	1.4	1.2	1.4
Water Year Types[b]												
Wet (31%)	1.2	2.4	4.7	4.2	5.7	5.4	3.4	1.6	1.4	1.6	1.4	2.1
Above Normal (25%)	0.9	0.8	1.3	5.2	5.3	4.3	1.7	1.0	0.9	1.5	1.3	1.4
Below Normal (6%)	1.1	1.0	0.8	1.8	2.3	2.0	1.0	0.8	0.9	1.1	1.1	1.1
Dry (13%)	0.9	1.0	1.0	1.1	1.2	1.9	1.0	0.9	0.9	1.4	1.2	1.0
Critical (25%)	0.9	0.8	0.9	1.1	0.9	1.0	0.8	0.6	0.7	1.2	1.1	1.0

Alternative 4 H1 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.6	2.3	4.5	4.3	5.7	4.7	3.1	1.6	1.6	2.0	1.7	1.7
20%	1.6	1.7	1.7	3.8	4.6	4.0	1.6	1.4	1.5	1.9	1.7	1.7
30%	1.6	1.4	1.6	2.6	2.8	2.9	1.4	1.4	1.4	1.9	1.7	1.7
40%	1.4	1.3	1.6	1.8	1.9	2.0	1.4	1.3	1.4	1.8	1.7	1.6
50%	1.4	1.3	1.5	1.7	1.7	1.8	1.3	1.2	1.3	1.7	1.6	1.6
60%	1.3	1.2	1.4	1.7	1.4	1.7	1.3	1.2	1.3	1.6	1.6	1.5
70%	1.3	1.2	1.4	1.5	1.4	1.4	1.2	1.2	1.3	1.6	1.5	1.5
80%	1.3	1.1	1.2	1.4	1.3	1.2	1.1	1.1	1.3	1.5	1.5	1.5
90%	1.3	1.1	1.1	1.2	1.2	1.2	1.1	1.0	1.2	1.4	1.4	1.4
Long Term												
Full Simulation Period[a]	1.4	1.5	2.1	2.3	2.7	2.6	1.7	1.3	1.4	1.7	1.6	1.6
Water Year Types[b]												
Wet (31%)	1.5	2.4	4.1	3.4	4.8	4.6	3.0	1.7	1.7	1.9	1.6	1.8
Above Normal (25%)	1.5	1.2	1.6	4.3	4.5	3.5	1.6	1.3	1.3	1.8	1.6	1.4
Below Normal (6%)	1.6	1.3	1.2	1.9	2.0	1.9	1.4	1.2	1.3	1.3	1.4	1.4
Dry (13%)	1.3	1.3	1.4	1.4	1.4	1.8	1.3	1.3	1.4	1.7	1.7	1.6
Critical (25%)	1.4	1.3	1.3	1.5	1.3	1.3	1.1	1.1	1.3	1.5	1.6	1.6

Alternative 4 H1 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.4	0.0	**-0.9**	**-1.1**	**-0.9**	**-1.1**	**-0.7**	0.1	0.4	0.4	0.3	**-0.5**
20%	0.5	0.2	0.3	**-0.9**	**-1.2**	**-1.0**	0.1	0.3	0.5	0.4	0.4	0.1
30%	0.5	0.3	0.3	**-0.4**	**-0.6**	**-0.6**	0.2	0.4	0.4	0.4	0.4	0.3
40%	0.4	0.3	0.3	0.0	**-0.4**	**-0.3**	0.3	0.4	0.5	0.3	0.4	0.4
50%	0.4	0.3	0.4	0.1	0.1	**-0.3**	0.4	0.4	0.5	0.2	0.4	0.5
60%	0.4	0.4	0.4	0.3	0.4	0.0	0.4	0.5	0.5	0.2	0.4	0.4
70%	0.4	0.4	0.5	0.3	0.4	0.2	0.4	0.5	0.5	0.3	0.4	0.4
80%	0.4	0.4	0.4	0.5	0.4	0.4	0.4	0.5	0.5	0.4	0.5	0.4
90%	0.5	0.5	0.4	0.5	0.4	0.4	0.4	0.5	0.5	0.4	0.4	0.5
Long Term												
Full Simulation Period[a]	0.4	0.3	0.1	**-0.1**	**-0.2**	**-0.2**	0.1	0.3	0.4	0.3	0.4	0.3
Water Year Types[b]												
Wet (31%)	0.3	**0.0**	**-0.6**	**-0.7**	**-0.9**	**-0.9**	**-0.4**	0.1	0.3	0.3	0.3	**-0.3**
Above Normal (25%)	0.5	0.4	0.3	**-0.9**	**-0.8**	**-0.8**	**-0.1**	0.3	0.4	0.3	0.3	0.0
Below Normal (6%)	0.5	0.3	0.4	0.1	**-0.3**	**-0.1**	0.3	0.4	0.4	0.2	0.2	0.3
Dry (13%)	0.4	0.3	0.4	0.3	0.2	**0.0**	0.3	0.4	0.5	0.3	0.5	0.6
Critical (25%)	0.5	0.4	0.5	0.3	0.4	0.3	0.4	0.5	0.5	0.4	0.5	0.5

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-26-2-18. Steamboat Sl d/s of Sutter Sl, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.2	2.3	5.3	5.4	6.7	5.8	3.8	1.5	1.1	1.6	1.4	2.2
20%	1.1	1.6	1.4	4.8	5.8	5.0	1.5	1.0	0.9	1.6	1.3	1.7
30%	1.1	1.1	1.3	3.0	3.4	3.5	1.2	1.0	0.9	1.5	1.3	1.4
40%	1.0	1.0	1.2	1.7	2.3	2.3	1.0	0.9	0.9	1.5	1.2	1.2
50%	1.0	0.9	1.1	1.6	1.6	2.1	1.0	0.8	0.8	1.5	1.2	1.1
60%	0.9	0.8	1.0	1.3	1.0	1.6	0.9	0.7	0.8	1.4	1.2	1.1
70%	0.9	0.7	0.9	1.1	1.0	1.2	0.9	0.7	0.8	1.2	1.1	1.1
80%	0.9	0.7	0.8	0.9	0.9	0.8	0.8	0.7	0.7	1.1	1.0	1.0
90%	0.8	0.6	0.7	0.7	0.8	0.8	0.6	0.5	0.7	1.0	1.0	1.0
Long Term												
Full Simulation Period[a]	1.0	1.3	1.9	2.4	2.8	2.8	1.6	1.0	0.9	1.4	1.2	1.4
Water Year Types[b]												
Wet (31%)	1.2	2.4	4.7	4.2	5.7	5.4	3.4	1.6	1.4	1.6	1.4	2.1
Above Normal (25%)	0.9	0.8	1.3	5.2	5.3	4.3	1.7	1.0	0.9	1.5	1.3	1.4
Below Normal (6%)	1.1	1.0	0.8	1.8	2.3	2.0	1.0	0.8	0.9	1.1	1.1	1.1
Dry (13%)	0.9	1.0	1.0	1.1	1.2	1.9	1.0	0.9	0.9	1.4	1.2	1.0
Critical (25%)	0.9	0.8	0.9	1.1	0.9	1.0	0.8	0.6	0.7	1.2	1.1	1.0

Alternative 4 H2 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.7	2.3	4.5	4.3	5.8	4.8	3.1	1.7	1.5	1.9	1.7	1.8
20%	1.6	1.8	1.7	3.8	4.6	4.0	1.9	1.5	1.4	1.8	1.7	1.7
30%	1.5	1.4	1.6	2.6	2.9	3.0	1.7	1.4	1.4	1.7	1.7	1.6
40%	1.4	1.3	1.6	1.7	1.9	2.0	1.5	1.3	1.4	1.7	1.6	1.6
50%	1.4	1.3	1.4	1.6	1.7	1.9	1.4	1.3	1.3	1.6	1.6	1.6
60%	1.4	1.2	1.4	1.6	1.4	1.7	1.3	1.2	1.3	1.6	1.5	1.5
70%	1.3	1.2	1.3	1.4	1.3	1.5	1.2	1.2	1.3	1.5	1.5	1.5
80%	1.3	1.1	1.1	1.4	1.3	1.2	1.2	1.1	1.3	1.4	1.5	1.5
90%	1.3	1.1	1.1	1.2	1.2	1.2	1.0	1.0	1.2	1.3	1.4	1.4
Long Term												
Full Simulation Period[a]	1.4	1.5	2.1	2.3	2.7	2.6	1.8	1.4	1.4	1.6	1.6	1.6
Water Year Types[b]												
Wet (31%)	1.5	2.4	4.1	3.4	4.8	4.6	3.2	1.8	1.6	1.8	1.6	1.8
Above Normal (25%)	1.5	1.2	1.6	4.4	4.5	3.5	2.0	1.5	1.3	1.5	1.5	1.4
Below Normal (6%)	1.4	1.3	1.1	1.9	2.1	1.9	1.4	1.2	1.3	1.3	1.4	1.4
Dry (13%)	1.3	1.3	1.4	1.3	1.4	1.9	1.3	1.3	1.4	1.7	1.6	1.5
Critical (25%)	1.5	1.3	1.3	1.5	1.3	1.3	1.1	1.1	1.2	1.6	1.6	1.6

Alternative 4 H2 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.5	0.1	**-0.8**	**-1.1**	**-0.9**	**-1.1**	**-0.6**	0.2	0.4	0.3	0.3	**-0.4**
20%	0.6	0.2	0.3	**-1.0**	**-1.2**	**-1.0**	0.5	0.4	0.5	0.2	0.4	0.0
30%	0.5	0.3	0.3	**-0.4**	**-0.6**	**-0.5**	0.4	0.4	0.5	0.2	0.4	0.2
40%	0.4	0.2	0.4	**0.0**	**-0.4**	**-0.3**	0.5	0.5	0.5	0.2	0.4	0.4
50%	0.4	0.3	0.4	0.0	0.1	**-0.2**	0.4	0.5	0.5	0.1	0.3	0.5
60%	0.4	0.4	0.4	0.3	0.4	0.0	0.5	0.5	0.5	0.2	0.4	0.4
70%	0.4	0.4	0.4	0.3	0.3	0.2	0.4	0.5	0.5	0.3	0.4	0.4
80%	0.4	0.4	0.3	0.5	0.4	0.4	0.4	0.4	0.5	0.3	0.5	0.4
90%	0.4	0.5	0.4	0.5	0.4	0.4	0.4	0.5	0.5	0.4	0.4	0.5
Long Term												
Full Simulation Period[a]	0.4	0.3	0.1	**-0.1**	**-0.2**	**-0.2**	0.2	0.4	0.4	0.2	0.4	0.2
Water Year Types[b]												
Wet (31%)	0.3	0.0	**-0.6**	**-0.7**	**-0.9**	**-0.9**	**-0.2**	0.1	0.3	0.2	0.3	**-0.3**
Above Normal (25%)	0.6	0.4	0.3	**-0.9**	**-0.8**	**-0.8**	0.3	0.4	0.4	0.0	0.2	0.0
Below Normal (6%)	0.2	0.2	0.3	0.1	**-0.2**	**-0.1**	0.3	0.4	0.4	0.2	0.2	0.3
Dry (13%)	0.4	0.3	0.4	0.3	0.2	0.0	0.3	0.4	0.5	0.3	0.4	0.5
Critical (25%)	0.5	0.4	0.4	0.3	0.4	0.3	0.4	0.5	0.5	0.4	0.5	0.6

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-26-2-19. Steamboat Sl d/s of Sutter Sl, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.2	2.3	5.3	5.4	6.7	5.8	3.8	1.5	1.1	1.6	1.4	2.2
20%	1.1	1.6	1.4	4.8	5.8	5.0	1.5	1.0	0.9	1.6	1.3	1.7
30%	1.1	1.1	1.3	3.0	3.4	3.5	1.2	1.0	0.9	1.5	1.3	1.4
40%	1.0	1.0	1.2	1.7	2.3	2.3	1.0	0.9	0.9	1.5	1.2	1.2
50%	1.0	0.9	1.1	1.6	1.6	2.1	1.0	0.8	0.8	1.5	1.2	1.1
60%	0.9	0.8	1.0	1.3	1.0	1.6	0.9	0.7	0.8	1.4	1.2	1.1
70%	0.9	0.7	0.9	1.1	1.0	1.2	0.9	0.7	0.8	1.2	1.1	1.1
80%	0.9	0.7	0.8	0.9	0.9	0.8	0.8	0.7	0.7	1.1	1.0	1.0
90%	0.8	0.6	0.7	0.7	0.8	0.8	0.6	0.5	0.7	1.0	1.0	1.0
Long Term												
Full Simulation Period[a]	1.0	1.3	1.9	2.4	2.8	2.8	1.6	1.0	0.9	1.4	1.2	1.4
Water Year Types[b]												
Wet (31%)	1.2	2.4	4.7	4.2	5.7	5.4	3.4	1.6	1.4	1.6	1.4	2.1
Above Normal (25%)	0.9	0.8	1.3	5.2	5.3	4.3	1.7	1.0	0.9	1.5	1.3	1.4
Below Normal (6%)	1.1	1.0	0.8	1.8	2.3	2.0	1.0	0.8	0.9	1.1	1.1	1.1
Dry (13%)	0.9	1.0	1.0	1.1	1.2	1.9	1.0	0.9	0.9	1.4	1.2	1.0
Critical (25%)	0.9	0.8	0.9	1.1	0.9	1.0	0.8	0.6	0.7	1.2	1.1	1.0

Alternative 4 H3 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.7	2.3	4.4	4.3	5.6	4.7	3.1	1.6	1.6	2.0	1.7	2.1
20%	1.5	1.7	1.6	3.8	4.6	4.0	1.6	1.4	1.5	1.9	1.7	1.9
30%	1.5	1.4	1.6	2.6	2.8	2.7	1.4	1.3	1.4	1.9	1.7	1.7
40%	1.4	1.4	1.5	1.8	1.9	2.0	1.3	1.3	1.4	1.8	1.6	1.6
50%	1.4	1.3	1.5	1.7	1.7	1.8	1.3	1.2	1.3	1.7	1.6	1.6
60%	1.4	1.3	1.4	1.7	1.4	1.7	1.3	1.2	1.3	1.6	1.6	1.6
70%	1.3	1.2	1.4	1.4	1.4	1.4	1.2	1.2	1.3	1.6	1.5	1.6
80%	1.3	1.2	1.1	1.3	1.3	1.2	1.1	1.1	1.3	1.5	1.5	1.5
90%	1.3	1.1	1.1	1.2	1.2	1.2	1.1	1.0	1.2	1.4	1.4	1.5
Long Term												
Full Simulation Period[a]	1.4	1.5	2.0	2.3	2.6	2.5	1.7	1.3	1.4	1.7	1.6	1.7
Water Year Types[b]												
Wet (31%)	1.5	2.4	4.1	3.4	4.8	4.5	3.0	1.7	1.7	1.9	1.6	2.1
Above Normal (25%)	1.5	1.2	1.6	4.2	4.3	3.5	1.6	1.3	1.3	1.8	1.6	1.6
Below Normal (6%)	1.4	1.3	1.1	1.9	2.0	1.9	1.4	1.2	1.3	1.3	1.4	1.5
Dry (13%)	1.3	1.3	1.4	1.3	1.4	1.7	1.3	1.3	1.4	1.7	1.6	1.6
Critical (25%)	1.4	1.3	1.3	1.5	1.3	1.3	1.1	1.1	1.2	1.5	1.6	1.6

Alternative 4 H3 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.5	0.0	**-1.0**	**-1.1**	**-1.1**	**-1.1**	**-0.7**	0.1	0.4	0.4	0.3	**-0.1**
20%	0.5	0.2	0.2	**-1.0**	**-1.2**	**-1.0**	0.1	0.3	0.5	0.4	0.4	0.3
30%	0.4	0.3	0.3	**-0.4**	**-0.6**	**-0.8**	0.2	0.4	0.4	0.4	0.4	0.3
40%	0.4	0.4	0.3	0.1	**-0.4**	**-0.3**	0.3	0.4	0.5	0.3	0.4	0.4
50%	0.4	0.4	0.4	0.1	0.1	**-0.3**	0.4	0.4	0.5	0.2	0.4	0.5
60%	0.4	0.4	0.4	0.3	0.4	0.0	0.4	0.5	0.5	0.2	0.4	0.5
70%	0.4	0.5	0.5	0.3	0.4	0.2	0.3	0.5	0.5	0.3	0.4	0.5
80%	0.4	0.5	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.4	0.5	0.5
90%	0.5	0.5	0.4	0.5	0.4	0.4	0.4	0.5	0.5	0.4	0.4	0.5
Long Term												
Full Simulation Period[a]	0.4	0.3	0.1	**-0.1**	**-0.2**	**-0.3**	0.1	0.3	0.4	0.3	0.4	0.4
Water Year Types[b]												
Wet (31%)	0.3	**0.0**	**-0.7**	**-0.7**	**-1.0**	**-0.9**	**-0.4**	0.1	0.3	0.3	0.3	0.0
Above Normal (25%)	0.6	0.4	0.3	**-1.0**	**-0.9**	**-0.8**	**-0.1**	0.3	0.4	0.3	0.3	0.2
Below Normal (6%)	0.3	0.3	0.3	0.1	**-0.3**	**-0.1**	0.3	0.4	0.4	0.2	0.2	0.4
Dry (13%)	0.4	0.3	0.4	0.3	0.2	**-0.1**	0.3	0.4	0.5	0.3	0.4	0.5
Critical (25%)	0.5	0.5	0.5	0.3	0.4	0.3	0.4	0.5	0.5	0.4	0.5	0.5

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-26-2-20. Steamboat Sl d/s of Sutter Sl, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.2	2.3	5.3	5.4	6.7	5.8	3.8	1.5	1.1	1.6	1.4	2.2
20%	1.1	1.6	1.4	4.8	5.8	5.0	1.5	1.0	0.9	1.6	1.3	1.7
30%	1.1	1.1	1.3	3.0	3.4	3.5	1.2	1.0	0.9	1.5	1.3	1.4
40%	1.0	1.0	1.2	1.7	2.3	2.3	1.0	0.9	0.9	1.5	1.2	1.2
50%	1.0	0.9	1.1	1.6	1.6	2.1	1.0	0.8	0.8	1.5	1.2	1.1
60%	0.9	0.8	1.0	1.3	1.0	1.6	0.9	0.7	0.8	1.4	1.2	1.1
70%	0.9	0.7	0.9	1.1	1.0	1.2	0.9	0.7	0.8	1.2	1.1	1.1
80%	0.9	0.7	0.8	0.9	0.9	0.8	0.8	0.7	0.7	1.1	1.0	1.0
90%	0.8	0.6	0.7	0.7	0.8	0.8	0.6	0.5	0.7	1.0	1.0	1.0
Long Term												
Full Simulation Period[a]	1.0	1.3	1.9	2.4	2.8	2.8	1.6	1.0	0.9	1.4	1.2	1.4
Water Year Types[b]												
Wet (31%)	1.2	2.4	4.7	4.2	5.7	5.4	3.4	1.6	1.4	1.6	1.4	2.1
Above Normal (25%)	0.9	0.8	1.3	5.2	5.3	4.3	1.7	1.0	0.9	1.5	1.3	1.4
Below Normal (6%)	1.1	1.0	0.8	1.8	2.3	2.0	1.0	0.8	0.9	1.1	1.1	1.1
Dry (13%)	0.9	1.0	1.0	1.1	1.2	1.9	1.0	0.9	0.9	1.4	1.2	1.0
Critical (25%)	0.9	0.8	0.9	1.1	0.9	1.0	0.8	0.6	0.7	1.2	1.1	1.0

Alternative 4 H4 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.7	2.2	4.4	4.3	5.6	4.8	3.1	1.7	1.5	1.9	1.7	2.1
20%	1.5	1.7	1.6	3.8	4.6	4.0	1.9	1.5	1.4	1.8	1.7	1.9
30%	1.5	1.4	1.6	2.6	2.9	2.9	1.7	1.4	1.4	1.7	1.7	1.7
40%	1.5	1.4	1.6	1.7	1.9	2.0	1.5	1.3	1.4	1.6	1.6	1.6
50%	1.5	1.3	1.4	1.6	1.7	1.8	1.4	1.3	1.3	1.6	1.6	1.6
60%	1.4	1.3	1.4	1.5	1.4	1.7	1.3	1.2	1.3	1.6	1.5	1.6
70%	1.4	1.2	1.3	1.4	1.3	1.4	1.3	1.2	1.3	1.5	1.5	1.6
80%	1.3	1.2	1.2	1.3	1.3	1.2	1.2	1.1	1.3	1.4	1.5	1.5
90%	1.3	1.1	1.1	1.1	1.2	1.2	1.0	1.0	1.2	1.3	1.4	1.5
Long Term												
Full Simulation Period[a]	1.5	1.5	2.0	2.3	2.6	2.5	1.8	1.4	1.4	1.6	1.6	1.7
Water Year Types[b]												
Wet (31%)	1.6	2.3	4.1	3.4	4.8	4.5	3.2	1.8	1.6	1.8	1.6	2.1
Above Normal (25%)	1.5	1.2	1.6	4.3	4.4	3.5	2.0	1.5	1.3	1.5	1.5	1.6
Below Normal (6%)	1.5	1.3	1.2	1.9	2.1	1.9	1.4	1.2	1.3	1.3	1.4	1.4
Dry (13%)	1.3	1.3	1.4	1.3	1.4	1.8	1.3	1.3	1.4	1.6	1.6	1.6
Critical (25%)	1.4	1.3	1.3	1.3	1.3	1.3	1.1	1.1	1.2	1.6	1.6	1.6

Alternative 4 H4 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.5	-0.1	-0.9	-1.1	-1.1	-1.1	-0.6	0.1	0.4	0.3	0.3	-0.1
20%	0.5	0.2	0.2	-0.9	-1.2	-1.0	0.5	0.4	0.5	0.2	0.4	0.3
30%	0.4	0.3	0.3	-0.4	-0.6	-0.6	0.4	0.4	0.5	0.2	0.4	0.3
40%	0.5	0.4	0.3	0.0	-0.4	-0.3	0.5	0.5	0.5	0.1	0.4	0.4
50%	0.5	0.4	0.4	0.0	0.1	-0.3	0.4	0.5	0.5	0.1	0.4	0.5
60%	0.4	0.4	0.4	0.1	0.4	0.0	0.4	0.5	0.5	0.1	0.4	0.5
70%	0.4	0.5	0.5	0.2	0.3	0.2	0.4	0.5	0.5	0.3	0.4	0.5
80%	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.3	0.5	0.5
90%	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.4	0.4	0.5
Long Term												
Full Simulation Period[a]	0.4	0.3	0.1	-0.2	-0.2	-0.3	0.2	0.4	0.4	0.2	0.4	0.4
Water Year Types[b]												
Wet (31%)	0.3	-0.1	-0.6	-0.7	-1.0	-0.9	-0.2	0.1	0.3	0.2	0.3	0.0
Above Normal (25%)	0.6	0.4	0.3	-0.9	-0.9	-0.8	0.3	0.4	0.4	0.0	0.2	0.2
Below Normal (6%)	0.3	0.3	0.4	0.1	-0.2	-0.1	0.3	0.4	0.4	0.2	0.3	0.3
Dry (13%)	0.4	0.3	0.4	0.3	0.2	0.0	0.3	0.4	0.5	0.2	0.4	0.5
Critical (25%)	0.5	0.5	0.4	0.2	0.4	0.3	0.4	0.5	0.5	0.4	0.5	0.6

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-26-2-21. Steamboat Sl d/s of Sutter Sl, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.2	2.3	5.3	5.4	6.7	5.8	3.8	1.5	1.1	1.6	1.4	2.2
20%	1.1	1.6	1.4	4.8	5.8	5.0	1.5	1.0	0.9	1.6	1.3	1.7
30%	1.1	1.1	1.3	3.0	3.4	3.5	1.2	1.0	0.9	1.5	1.3	1.4
40%	1.0	1.0	1.2	1.7	2.3	2.3	1.0	0.9	0.9	1.5	1.2	1.2
50%	1.0	0.9	1.1	1.6	1.6	2.1	1.0	0.8	0.8	1.5	1.2	1.1
60%	0.9	0.8	1.0	1.3	1.0	1.6	0.9	0.7	0.8	1.4	1.2	1.1
70%	0.9	0.7	0.9	1.1	1.0	1.2	0.9	0.7	0.8	1.2	1.1	1.1
80%	0.9	0.7	0.8	0.9	0.9	0.8	0.8	0.7	0.7	1.1	1.0	1.0
90%	0.8	0.6	0.7	0.7	0.8	0.8	0.6	0.5	0.7	1.0	1.0	1.0
Long Term												
Full Simulation Period[a]	1.0	1.3	1.9	2.4	2.8	2.8	1.6	1.0	0.9	1.4	1.2	1.4
Water Year Types[b]												
Wet (31%)	1.2	2.4	4.7	4.2	5.7	5.4	3.4	1.6	1.4	1.6	1.4	2.1
Above Normal (25%)	0.9	0.8	1.3	5.2	5.3	4.3	1.7	1.0	0.9	1.5	1.3	1.4
Below Normal (6%)	1.1	1.0	0.8	1.8	2.3	2.0	1.0	0.8	0.9	1.1	1.1	1.1
Dry (13%)	0.9	1.0	1.0	1.1	1.2	1.9	1.0	0.9	0.9	1.4	1.2	1.0
Critical (25%)	0.9	0.8	0.9	1.1	0.9	1.0	0.8	0.6	0.7	1.2	1.1	1.0

Alternative 5 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.7	2.4	4.8	4.7	6.0	5.2	3.5	1.7	1.7	2.0	1.8	2.2
20%	1.5	1.8	1.7	4.2	5.1	4.3	1.6	1.4	1.4	1.9	1.7	2.1
30%	1.5	1.4	1.6	2.8	3.1	3.0	1.5	1.3	1.4	1.8	1.7	1.7
40%	1.5	1.4	1.6	1.8	2.2	2.1	1.4	1.3	1.4	1.8	1.7	1.7
50%	1.5	1.4	1.5	1.7	1.7	2.0	1.3	1.2	1.4	1.7	1.6	1.6
60%	1.4	1.3	1.4	1.6	1.4	1.7	1.3	1.2	1.3	1.6	1.6	1.6
70%	1.4	1.3	1.3	1.5	1.4	1.5	1.2	1.1	1.3	1.6	1.5	1.6
80%	1.3	1.2	1.2	1.3	1.3	1.2	1.1	1.1	1.3	1.5	1.5	1.5
90%	1.3	1.2	1.1	1.2	1.2	1.2	1.0	1.0	1.3	1.4	1.5	1.4
Long Term												
Full Simulation Period[a]	1.5	1.6	2.1	2.4	2.8	2.7	1.8	1.4	1.4	1.7	1.6	1.7
Water Year Types[b]												
Wet (31%)	1.6	2.5	4.4	3.7	5.2	4.9	3.3	1.8	1.8	1.9	1.8	2.2
Above Normal (25%)	1.4	1.3	1.6	4.6	4.7	3.7	1.8	1.4	1.4	1.7	1.6	1.7
Below Normal (6%)	1.5	1.3	1.2	1.9	2.2	2.0	1.4	1.2	1.4	1.5	1.5	1.5
Dry (13%)	1.4	1.3	1.4	1.4	1.5	1.9	1.3	1.3	1.4	1.7	1.6	1.5
Critical (25%)	1.5	1.3	1.3	1.4	1.3	1.3	1.2	1.1	1.2	1.6	1.6	1.6

Alternative 5 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.5	0.1	**-0.5**	**-0.7**	**-0.7**	**-0.7**	**-0.3**	0.2	0.5	0.4	0.4	**0.0**
20%	0.4	0.2	0.2	**-0.6**	**-0.8**	**-0.6**	0.1	0.4	0.5	0.3	0.4	0.4
30%	0.5	0.3	0.3	**-0.2**	**-0.4**	**-0.5**	0.2	0.4	0.5	0.3	0.4	0.3
40%	0.5	0.4	0.4	0.1	**-0.1**	**-0.2**	0.3	0.4	0.5	0.3	0.4	0.5
50%	0.5	0.4	0.4	0.1	0.1	**-0.1**	0.4	0.4	0.5	0.2	0.4	0.5
60%	0.4	0.5	0.4	0.3	0.4	0.1	0.4	0.4	0.5	0.2	0.4	0.5
70%	0.5	0.5	0.5	0.3	0.4	0.2	0.4	0.4	0.5	0.4	0.4	0.5
80%	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.5	0.5
90%	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.5	0.5	0.4	0.4	0.5
Long Term												
Full Simulation Period[a]	0.5	0.3	0.2	**0.0**	**0.0**	**-0.1**	0.2	0.4	0.5	0.3	0.4	0.4
Water Year Types[b]												
Wet (31%)	0.4	0.1	**-0.4**	**-0.5**	**-0.6**	**-0.6**	**-0.1**	0.2	0.4	0.3	0.4	0.2
Above Normal (25%)	0.5	0.4	0.3	**-0.6**	**-0.6**	**-0.6**	0.0	0.3	0.5	0.2	0.3	0.3
Below Normal (6%)	0.4	0.3	0.4	0.1	**-0.1**	**0.0**	0.3	0.4	0.5	0.4	0.4	0.4
Dry (13%)	0.4	0.4	0.4	0.3	0.2	0.0	0.3	0.4	0.5	0.3	0.4	0.5
Critical (25%)	0.5	0.5	0.5	0.3	0.4	0.3	0.4	0.4	0.5	0.4	0.5	0.5

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-26-2-22. Steamboat Sl d/s of Sutter Sl, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.2	2.3	5.3	5.4	6.7	5.8	3.8	1.5	1.1	1.6	1.4	2.2
20%	1.1	1.6	1.4	4.8	5.8	5.0	1.5	1.0	0.9	1.6	1.3	1.7
30%	1.1	1.1	1.3	3.0	3.4	3.5	1.2	1.0	0.9	1.5	1.3	1.4
40%	1.0	1.0	1.2	1.7	2.3	2.3	1.0	0.9	0.9	1.5	1.2	1.2
50%	1.0	0.9	1.1	1.6	1.6	2.1	1.0	0.8	0.8	1.5	1.2	1.1
60%	0.9	0.8	1.0	1.3	1.0	1.6	0.9	0.7	0.8	1.4	1.2	1.1
70%	0.9	0.7	0.9	1.1	1.0	1.2	0.9	0.7	0.8	1.2	1.1	1.1
80%	0.9	0.7	0.8	0.9	0.9	0.8	0.8	0.7	0.7	1.1	1.0	1.0
90%	0.8	0.6	0.7	0.7	0.8	0.8	0.6	0.5	0.7	1.0	1.0	1.0
Long Term												
Full Simulation Period[a]	1.0	1.3	1.9	2.4	2.8	2.8	1.6	1.0	0.9	1.4	1.2	1.4
Water Year Types[b]												
Wet (31%)	1.2	2.4	4.7	4.2	5.7	5.4	3.4	1.6	1.4	1.6	1.4	2.1
Above Normal (25%)	0.9	0.8	1.3	5.2	5.3	4.3	1.7	1.0	0.9	1.5	1.3	1.4
Below Normal (6%)	1.1	1.0	0.8	1.8	2.3	2.0	1.0	0.8	0.9	1.1	1.1	1.1
Dry (13%)	0.9	1.0	1.0	1.1	1.2	1.9	1.0	0.9	0.9	1.4	1.2	1.0
Critical (25%)	0.9	0.8	0.9	1.1	0.9	1.0	0.8	0.6	0.7	1.2	1.1	1.0

Alternative 6A,6B,6C (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.5	2.3	4.3	4.0	5.3	4.5	3.0	1.5	1.5	1.7	1.6	1.9
20%	1.4	1.7	1.7	3.6	4.6	3.8	1.6	1.4	1.4	1.5	1.6	1.7
30%	1.4	1.3	1.6	2.7	2.8	2.7	1.4	1.3	1.4	1.4	1.5	1.6
40%	1.3	1.3	1.5	1.7	2.0	2.0	1.4	1.3	1.4	1.4	1.5	1.5
50%	1.3	1.3	1.4	1.7	1.7	1.9	1.3	1.2	1.3	1.3	1.4	1.5
60%	1.3	1.2	1.4	1.5	1.6	1.7	1.3	1.2	1.3	1.3	1.4	1.5
70%	1.3	1.2	1.3	1.4	1.3	1.5	1.2	1.2	1.3	1.3	1.4	1.4
80%	1.2	1.2	1.1	1.2	1.3	1.2	1.2	1.1	1.3	1.3	1.3	1.4
90%	1.2	1.1	1.1	1.1	1.2	1.2	1.1	1.0	1.2	1.3	1.3	1.3
Long Term												
Full Simulation Period[a]	1.3	1.5	2.0	2.2	2.6	2.5	1.7	1.3	1.4	1.4	1.5	1.5
Water Year Types[b]												
Wet (31%)	1.4	2.3	4.0	3.3	4.7	4.4	2.9	1.7	1.6	1.6	1.6	1.9
Above Normal (25%)	1.3	1.2	1.6	4.0	4.1	3.3	1.6	1.4	1.3	1.4	1.4	1.4
Below Normal (6%)	1.4	1.2	1.1	1.9	2.0	1.9	1.4	1.2	1.4	1.2	1.3	1.3
Dry (13%)	1.3	1.3	1.4	1.3	1.4	1.8	1.3	1.3	1.4	1.3	1.4	1.4
Critical (25%)	1.3	1.3	1.3	1.3	1.3	1.3	1.1	1.1	1.2	1.4	1.5	1.5

Alternative 6A,6B,6C (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.3	0.1	**-1.0**	**-1.4**	**-1.4**	**-1.3**	**-0.8**	0.0	0.4	0.1	0.2	**-0.3**
20%	0.3	0.2	0.2	**-1.2**	**-1.2**	**-1.2**	0.2	0.4	0.5	**-0.1**	0.2	**0.0**
30%	0.3	0.2	0.3	**-0.3**	**-0.7**	**-0.8**	0.2	0.4	0.5	**-0.1**	0.3	0.2
40%	0.3	0.3	0.3	**0.0**	**-0.3**	**-0.4**	0.4	0.4	0.5	**-0.1**	0.3	0.3
50%	0.3	0.3	0.4	0.1	0.1	**-0.2**	0.4	0.4	0.5	**-0.1**	0.2	0.3
60%	0.3	0.4	0.4	0.1	0.6	0.1	0.4	0.5	0.5	**-0.1**	0.3	0.4
70%	0.3	0.4	0.5	0.2	0.3	0.2	0.3	0.5	0.5	0.1	0.3	0.4
80%	0.3	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.2	0.3	0.3
90%	0.4	0.5	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.3	0.3	0.3
Long Term												
Full Simulation Period[a]	0.3	0.2	0.1	**-0.2**	**-0.2**	**-0.3**	0.1	0.3	0.4	0.0	0.3	0.2
Water Year Types[b]												
Wet (31%)	0.2	**-0.1**	**-0.7**	**-0.9**	**-1.0**	**-1.0**	**-0.5**	0.0	0.2	0.0	0.2	**-0.2**
Above Normal (25%)	0.4	0.3	0.3	**-1.2**	**-1.2**	**-1.0**	**-0.1**	0.3	0.4	**-0.1**	0.1	0.0
Below Normal (6%)	0.2	0.2	0.3	0.1	**-0.3**	**-0.1**	0.4	0.4	0.4	0.1	0.2	0.2
Dry (13%)	0.3	0.3	0.4	0.3	0.2	**-0.1**	0.4	0.4	0.5	**-0.1**	0.2	0.4
Critical (25%)	0.4	0.4	0.4	0.2	0.4	0.3	0.4	0.5	0.5	0.2	0.4	0.4

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-26-2-23. Steamboat Sl d/s of Sutter Sl, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.2	2.3	5.3	5.4	6.7	5.8	3.8	1.5	1.1	1.6	1.4	2.2
20%	1.1	1.6	1.4	4.8	5.8	5.0	1.5	1.0	0.9	1.6	1.3	1.7
30%	1.1	1.1	1.3	3.0	3.4	3.5	1.2	1.0	0.9	1.5	1.3	1.4
40%	1.0	1.0	1.2	1.7	2.3	2.3	1.0	0.9	0.9	1.5	1.2	1.2
50%	1.0	0.9	1.1	1.6	1.6	2.1	1.0	0.8	0.8	1.5	1.2	1.1
60%	0.9	0.8	1.0	1.3	1.0	1.6	0.9	0.7	0.8	1.4	1.2	1.1
70%	0.9	0.7	0.9	1.1	1.0	1.2	0.9	0.7	0.8	1.2	1.1	1.1
80%	0.9	0.7	0.8	0.9	0.9	0.8	0.8	0.7	0.7	1.1	1.0	1.0
90%	0.8	0.6	0.7	0.7	0.8	0.8	0.6	0.5	0.7	1.0	1.0	1.0
Long Term												
Full Simulation Period[a]	1.0	1.3	1.9	2.4	2.8	2.8	1.6	1.0	0.9	1.4	1.2	1.4
Water Year Types[b]												
Wet (31%)	1.2	2.4	4.7	4.2	5.7	5.4	3.4	1.6	1.4	1.6	1.4	2.1
Above Normal (25%)	0.9	0.8	1.3	5.2	5.3	4.3	1.7	1.0	0.9	1.5	1.3	1.4
Below Normal (6%)	1.1	1.0	0.8	1.8	2.3	2.0	1.0	0.8	0.9	1.1	1.1	1.1
Dry (13%)	0.9	1.0	1.0	1.1	1.2	1.9	1.0	0.9	0.9	1.4	1.2	1.0
Critical (25%)	0.9	0.8	0.9	1.1	0.9	1.0	0.8	0.6	0.7	1.2	1.1	1.0

Alternative 7 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.5	2.3	4.6	4.2	5.6	4.7	3.1	1.6	1.5	1.9	1.8	2.1
20%	1.4	1.7	1.7	3.9	4.6	3.9	1.5	1.4	1.4	1.8	1.8	2.0
30%	1.4	1.4	1.6	2.6	2.8	2.7	1.4	1.3	1.4	1.8	1.7	1.7
40%	1.4	1.3	1.5	1.8	1.9	2.0	1.4	1.3	1.4	1.7	1.7	1.6
50%	1.3	1.3	1.4	1.7	1.7	1.8	1.3	1.2	1.4	1.7	1.6	1.6
60%	1.3	1.2	1.4	1.5	1.7	1.7	1.3	1.2	1.3	1.6	1.6	1.6
70%	1.3	1.2	1.3	1.4	1.4	1.5	1.2	1.2	1.3	1.6	1.6	1.5
80%	1.3	1.2	1.1	1.3	1.3	1.2	1.2	1.1	1.3	1.5	1.6	1.5
90%	1.3	1.1	1.1	1.1	1.2	1.2	1.1	1.0	1.2	1.5	1.5	1.5
Long Term												
Full Simulation Period[a]	1.4	1.5	2.1	2.3	2.6	2.5	1.7	1.3	1.4	1.7	1.7	1.7
Water Year Types[b]												
Wet (31%)	1.5	2.4	4.2	3.4	4.8	4.5	3.0	1.7	1.6	1.9	1.8	2.1
Above Normal (25%)	1.3	1.2	1.6	4.3	4.3	3.3	1.6	1.3	1.3	1.7	1.6	1.6
Below Normal (6%)	1.4	1.3	1.1	1.9	2.0	2.0	1.4	1.2	1.4	1.5	1.6	1.5
Dry (13%)	1.3	1.3	1.4	1.4	1.5	1.8	1.3	1.3	1.4	1.7	1.6	1.5
Critical (25%)	1.4	1.3	1.3	1.4	1.4	1.3	1.1	1.1	1.3	1.5	1.6	1.6

Alternative 7 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.3	0.1	**-0.7**	**-1.2**	**-1.1**	**-1.1**	**-0.7**	0.1	0.4	0.3	0.4	**-0.1**
20%	0.4	0.2	0.2	**-0.9**	**-1.2**	**-1.0**	0.1	0.4	0.5	0.2	0.4	0.3
30%	0.3	0.3	0.3	**-0.4**	**-0.7**	**-0.8**	0.2	0.4	0.5	0.3	0.4	0.3
40%	0.3	0.3	0.3	0.0	**-0.4**	**-0.4**	0.4	0.4	0.5	0.3	0.4	0.4
50%	0.4	0.4	0.4	0.1	0.1	**-0.3**	0.4	0.4	0.5	0.2	0.4	0.5
60%	0.4	0.4	0.4	0.2	0.6	0.1	0.4	0.5	0.5	0.2	0.4	0.5
70%	0.4	0.5	0.5	0.2	0.4	0.2	0.3	0.5	0.5	0.3	0.5	0.5
80%	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.5	0.5
90%	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5
Long Term												
Full Simulation Period[a]	0.4	0.3	0.1	**-0.2**	**-0.2**	**-0.3**	0.1	0.3	0.5	0.3	0.4	0.3
Water Year Types[b]												
Wet (31%)	0.3	**0.0**	**-0.5**	**-0.8**	**-1.0**	**-0.9**	**-0.4**	0.1	0.3	0.3	0.4	0.0
Above Normal (25%)	0.4	0.4	0.3	**-0.9**	**-1.0**	**-1.0**	**-0.1**	0.3	0.4	0.2	0.3	0.2
Below Normal (6%)	0.2	0.3	0.3	0.1	**-0.3**	**-0.1**	0.4	0.4	0.4	0.4	0.4	0.5
Dry (13%)	0.4	0.3	0.4	0.3	0.2	**0.0**	0.4	0.4	0.5	0.3	0.4	0.5
Critical (25%)	0.4	0.4	0.4	0.2	0.4	0.3	0.4	0.5	0.6	0.4	0.5	0.5

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-26-2-24. Steamboat Sl d/s of Sutter Sl, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.2	2.3	5.3	5.4	6.7	5.8	3.8	1.5	1.1	1.6	1.4	2.2
20%	1.1	1.6	1.4	4.8	5.8	5.0	1.5	1.0	0.9	1.6	1.3	1.7
30%	1.1	1.1	1.3	3.0	3.4	3.5	1.2	1.0	0.9	1.5	1.3	1.4
40%	1.0	1.0	1.2	1.7	2.3	2.3	1.0	0.9	0.9	1.5	1.2	1.2
50%	1.0	0.9	1.1	1.6	1.6	2.1	1.0	0.8	0.8	1.5	1.2	1.1
60%	0.9	0.8	1.0	1.3	1.0	1.6	0.9	0.7	0.8	1.4	1.2	1.1
70%	0.9	0.7	0.9	1.1	1.0	1.2	0.9	0.7	0.8	1.2	1.1	1.1
80%	0.9	0.7	0.8	0.9	0.9	0.8	0.8	0.7	0.7	1.1	1.0	1.0
90%	0.8	0.6	0.7	0.7	0.8	0.8	0.6	0.5	0.7	1.0	1.0	1.0
Long Term												
Full Simulation Period[a]	1.0	1.3	1.9	2.4	2.8	2.8	1.6	1.0	0.9	1.4	1.2	1.4
Water Year Types[b]												
Wet (31%)	1.2	2.4	4.7	4.2	5.7	5.4	3.4	1.6	1.4	1.6	1.4	2.1
Above Normal (25%)	0.9	0.8	1.3	5.2	5.3	4.3	1.7	1.0	0.9	1.5	1.3	1.4
Below Normal (6%)	1.1	1.0	0.8	1.8	2.3	2.0	1.0	0.8	0.9	1.1	1.1	1.1
Dry (13%)	0.9	1.0	1.0	1.1	1.2	1.9	1.0	0.9	0.9	1.4	1.2	1.0
Critical (25%)	0.9	0.8	0.9	1.1	0.9	1.0	0.8	0.6	0.7	1.2	1.1	1.0

Alternative 8 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.6	2.5	4.6	4.3	5.5	4.7	3.3	1.7	1.5	1.8	1.8	2.1
20%	1.4	1.8	1.7	3.9	4.6	3.9	1.8	1.5	1.4	1.6	1.7	1.9
30%	1.4	1.4	1.6	2.6	3.1	2.9	1.5	1.3	1.4	1.6	1.7	1.7
40%	1.4	1.4	1.5	1.9	1.9	2.1	1.5	1.3	1.4	1.6	1.7	1.6
50%	1.3	1.3	1.4	1.8	1.8	2.0	1.4	1.3	1.4	1.5	1.6	1.6
60%	1.3	1.3	1.4	1.6	1.7	1.9	1.4	1.2	1.3	1.5	1.6	1.5
70%	1.3	1.2	1.3	1.4	1.4	1.5	1.3	1.2	1.3	1.5	1.6	1.5
80%	1.3	1.2	1.2	1.3	1.4	1.3	1.2	1.1	1.3	1.5	1.5	1.5
90%	1.3	1.1	1.1	1.1	1.2	1.3	1.2	1.1	1.2	1.4	1.5	1.4
Long Term												
Full Simulation Period[a]	1.4	1.6	2.1	2.3	2.7	2.6	1.8	1.4	1.4	1.6	1.6	1.7
Water Year Types[b]												
Wet (31%)	1.5	2.5	4.2	3.4	4.8	4.5	3.1	1.9	1.7	1.7	1.8	2.1
Above Normal (25%)	1.3	1.2	1.6	4.4	4.3	3.4	1.8	1.4	1.3	1.5	1.6	1.6
Below Normal (6%)	1.4	1.3	1.2	2.0	2.4	2.0	1.5	1.3	1.3	1.4	1.5	1.5
Dry (13%)	1.3	1.3	1.4	1.4	1.5	2.0	1.5	1.3	1.4	1.5	1.6	1.5
Critical (25%)	1.4	1.3	1.3	1.4	1.4	1.4	1.2	1.1	1.3	1.5	1.6	1.6

Alternative 8 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.4	0.2	**-0.7**	**-1.1**	**-1.1**	**-1.1**	**-0.5**	0.2	0.4	0.2	0.4	**-0.1**
20%	0.4	0.2	0.2	**-0.9**	**-1.2**	**-1.1**	0.3	0.4	0.5	0.0	0.4	0.3
30%	0.4	0.3	0.3	**-0.3**	**-0.4**	**-0.6**	0.3	0.4	0.5	0.1	0.4	0.3
40%	0.4	0.4	0.3	0.2	**-0.4**	**-0.3**	0.4	0.4	0.5	0.1	0.4	0.4
50%	0.4	0.4	0.4	0.2	0.2	**-0.1**	0.5	0.5	0.5	0.1	0.4	0.5
60%	0.4	0.4	0.4	0.2	0.7	0.2	0.5	0.5	0.5	0.1	0.4	0.4
70%	0.4	0.5	0.5	0.2	0.4	0.3	0.4	0.5	0.5	0.2	0.4	0.4
80%	0.4	0.5	0.4	0.4	0.4	0.5	0.4	0.4	0.5	0.3	0.5	0.5
90%	0.4	0.5	0.4	0.4	0.4	0.5	0.6	0.5	0.5	0.4	0.4	0.5
Long Term												
Full Simulation Period[a]	0.4	0.3	0.2	**-0.1**	**-0.1**	**-0.2**	0.2	0.4	0.5	0.2	0.4	0.3
Water Year Types[b]												
Wet (31%)	0.3	0.1	**-0.5**	**-0.7**	**-1.0**	**-0.9**	**-0.3**	0.2	0.3	0.2	0.4	0.0
Above Normal (25%)	0.4	0.4	0.3	**-0.8**	**-0.9**	**-0.9**	0.0	0.3	0.4	0.0	0.3	0.2
Below Normal (6%)	0.3	0.3	0.3	0.2	0.1	0.0	0.5	0.5	0.4	0.3	0.4	0.4
Dry (13%)	0.4	0.3	0.4	0.3	0.3	0.2	0.5	0.4	0.5	0.1	0.4	0.5
Critical (25%)	0.4	0.5	0.4	0.2	0.5	0.3	0.4	0.5	0.6	0.4	0.5	0.5

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-26-2-25. Steamboat Sl d/s of Sutter Sl, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.2	2.3	5.3	5.4	6.7	5.8	3.8	1.5	1.1	1.6	1.4	2.2
20%	1.1	1.6	1.4	4.8	5.8	5.0	1.5	1.0	0.9	1.6	1.3	1.7
30%	1.1	1.1	1.3	3.0	3.4	3.5	1.2	1.0	0.9	1.5	1.3	1.4
40%	1.0	1.0	1.2	1.7	2.3	2.3	1.0	0.9	0.9	1.5	1.2	1.2
50%	1.0	0.9	1.1	1.6	1.6	2.1	1.0	0.8	0.8	1.5	1.2	1.1
60%	0.9	0.8	1.0	1.3	1.0	1.6	0.9	0.7	0.8	1.4	1.2	1.1
70%	0.9	0.7	0.9	1.1	1.0	1.2	0.9	0.7	0.8	1.2	1.1	1.1
80%	0.9	0.7	0.8	0.9	0.9	0.8	0.8	0.7	0.7	1.1	1.0	1.0
90%	0.8	0.6	0.7	0.7	0.8	0.8	0.6	0.5	0.7	1.0	1.0	1.0
Long Term												
Full Simulation Period[a]	1.0	1.3	1.9	2.4	2.8	2.8	1.6	1.0	0.9	1.4	1.2	1.4
Water Year Types[b]												
Wet (31%)	1.2	2.4	4.7	4.2	5.7	5.4	3.4	1.6	1.4	1.6	1.4	2.1
Above Normal (25%)	0.9	0.8	1.3	5.2	5.3	4.3	1.7	1.0	0.9	1.5	1.3	1.4
Below Normal (6%)	1.1	1.0	0.8	1.8	2.3	2.0	1.0	0.8	0.9	1.1	1.1	1.1
Dry (13%)	0.9	1.0	1.0	1.1	1.2	1.9	1.0	0.9	0.9	1.4	1.2	1.0
Critical (25%)	0.9	0.8	0.9	1.1	0.9	1.0	0.8	0.6	0.7	1.2	1.1	1.0

Alternative 9 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.6	2.5	5.1	5.1	6.4	5.6	3.6	1.8	1.7	2.0	1.8	2.4
20%	1.5	1.8	1.7	4.6	5.5	4.7	1.6	1.5	1.4	1.8	1.7	2.2
30%	1.5	1.5	1.6	2.9	3.3	3.2	1.5	1.4	1.4	1.8	1.7	1.8
40%	1.4	1.4	1.5	1.9	2.4	2.2	1.4	1.4	1.4	1.7	1.7	1.7
50%	1.4	1.4	1.5	1.8	1.8	2.1	1.4	1.3	1.4	1.7	1.7	1.6
60%	1.4	1.4	1.4	1.5	1.4	1.8	1.3	1.2	1.3	1.6	1.6	1.6
70%	1.4	1.2	1.4	1.4	1.4	1.5	1.3	1.2	1.3	1.6	1.6	1.6
80%	1.3	1.2	1.2	1.3	1.3	1.2	1.2	1.2	1.3	1.5	1.5	1.5
90%	1.3	1.1	1.1	1.2	1.2	1.2	1.1	1.1	1.3	1.5	1.5	1.5
Long Term												
Full Simulation Period[a]	1.5	1.7	2.2	2.5	3.0	2.9	1.9	1.4	1.5	1.7	1.7	1.8
Water Year Types[b]												
Wet (31%)	1.6	2.6	4.7	4.0	5.5	5.2	3.5	2.0	1.8	1.9	1.8	2.4
Above Normal (25%)	1.3	1.3	1.6	5.0	5.1	4.0	1.9	1.4	1.4	1.8	1.7	1.8
Below Normal (6%)	1.5	1.4	1.2	2.0	2.4	2.1	1.4	1.2	1.4	1.5	1.5	1.5
Dry (13%)	1.4	1.4	1.4	1.4	1.5	2.0	1.3	1.4	1.4	1.7	1.6	1.5
Critical (25%)	1.4	1.3	1.3	1.4	1.3	1.4	1.2	1.1	1.3	1.6	1.6	1.5

Alternative 9 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.4	0.2	**-0.2**	**-0.3**	**-0.2**	**-0.2**	**-0.2**	0.3	0.5	0.4	0.4	0.2
20%	0.4	0.3	0.2	**-0.2**	**-0.3**	**-0.3**	0.2	0.5	0.5	0.3	0.4	0.6
30%	0.4	0.4	0.3	**-0.1**	**-0.1**	**-0.3**	0.3	0.4	0.5	0.2	0.4	0.4
40%	0.4	0.4	0.3	0.2	0.1	**-0.1**	0.4	0.5	0.5	0.2	0.5	0.5
50%	0.5	0.4	0.4	0.2	0.2	0.0	0.4	0.5	0.6	0.2	0.5	0.5
60%	0.5	0.5	0.4	0.2	0.4	0.1	0.5	0.5	0.5	0.2	0.5	0.5
70%	0.5	0.5	0.5	0.3	0.4	0.3	0.4	0.5	0.5	0.4	0.4	0.5
80%	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.6	0.4	0.5	0.5
90%	0.5	0.5	0.5	0.5	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5
Long Term												
Full Simulation Period[a]	0.4	0.4	0.3	0.1	0.1	0.1	0.3	0.4	0.5	0.3	0.5	0.4
Water Year Types[b]												
Wet (31%)	0.4	0.2	**-0.1**	**-0.2**	**-0.2**	**-0.2**	0.0	0.3	0.4	0.3	0.4	0.3
Above Normal (25%)	0.4	0.4	0.3	**-0.2**	**-0.2**	**-0.3**	0.1	0.4	0.5	0.3	0.4	0.4
Below Normal (6%)	0.4	0.4	0.4	0.2	0.1	0.1	0.4	0.4	0.5	0.4	0.4	0.4
Dry (13%)	0.5	0.4	0.4	0.4	0.3	0.1	0.4	0.5	0.5	0.3	0.4	0.5
Critical (25%)	0.4	0.5	0.5	0.3	0.4	0.3	0.4	0.5	0.6	0.4	0.5	0.5

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

C.27. Old River at Tracy Boulevard Water Surface Elevation

Table C-27-1-1. Old River at Tracy Blvd, Monthly Averaged Daily Maximum Elevation

Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	2.6	3.5	3.9	4.2	4.7	4.7	4.3	3.8	3.8	3.4	2.8	3.2
20%	2.3	2.4	2.9	3.4	3.8	3.8	3.5	3.2	3.6	2.7	2.7	2.6
30%	2.3	2.3	2.7	3.0	3.4	3.1	2.9	3.0	3.2	2.5	2.6	2.5
40%	2.3	2.3	2.5	2.9	3.1	2.9	2.8	2.8	2.5	2.1	2.5	2.5
50%	2.2	2.2	2.5	2.9	2.8	2.8	2.7	2.8	2.5	2.1	2.4	2.4
60%	2.1	2.2	2.4	2.8	2.7	2.7	2.7	2.6	2.4	2.0	2.3	2.4
70%	2.1	2.1	2.3	2.6	2.5	2.5	2.6	2.5	2.3	2.0	2.3	2.3
80%	2.1	2.0	2.2	2.5	2.5	2.4	2.6	2.5	2.3	1.9	2.2	2.3
90%	2.1	2.0	2.2	2.4	2.4	2.1	2.3	2.4	2.2	1.8	2.1	2.2
Long Term												
Full Simulation Period[a]	2.3	2.5	2.8	3.1	3.3	3.3	3.0	3.0	2.9	2.4	2.5	2.6
Water Year Types[b]												
Wet (31%)	2.6	3.4	3.8	4.0	4.6	5.2	4.1	3.9	4.0	3.4	3.0	3.2
Above Normal (25%)	2.2	2.0	2.3	3.8	4.2	3.5	3.3	3.1	3.6	3.0	2.5	2.3
Below Normal (6%)	1.9	2.1	2.2	2.9	2.9	3.0	2.9	2.9	2.5	1.9	2.2	2.2
Dry (13%)	2.2	2.2	2.4	2.5	2.5	2.6	2.6	2.6	2.4	2.0	2.2	2.3
Critical (25%)	2.2	2.3	2.5	2.6	2.6	2.3	2.5	2.4	2.3	1.9	2.4	2.5

No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	4.4	5.0	5.6	6.0	6.2	6.2	5.8	5.3	4.5	4.5	4.4	4.7
20%	4.3	4.1	4.6	5.2	5.3	5.5	5.1	4.8	4.4	4.3	4.3	4.6
30%	4.2	4.0	4.5	4.8	5.1	4.7	4.5	4.7	4.3	4.2	4.2	4.3
40%	4.1	4.0	4.5	4.7	4.6	4.5	4.4	4.5	4.2	4.1	4.1	4.2
50%	4.0	3.9	4.4	4.6	4.5	4.5	4.3	4.4	4.1	4.0	4.1	4.1
60%	3.9	3.9	4.3	4.6	4.4	4.4	4.3	4.4	4.1	3.9	4.1	4.1
70%	3.9	3.8	4.2	4.4	4.2	4.3	4.3	4.3	4.1	3.8	4.0	4.1
80%	3.8	3.7	4.1	4.3	4.2	4.1	4.2	4.2	4.0	3.8	3.9	4.0
90%	3.8	3.6	3.8	4.2	4.2	3.8	4.0	4.1	4.0	3.7	3.9	3.7
Long Term												
Full Simulation Period[a]	4.1	4.1	4.6	4.9	4.9	4.9	4.6	4.6	4.3	4.1	4.1	4.2
Water Year Types[b]												
Wet (31%)	4.3	4.7	5.6	5.6	6.1	6.7	5.5	5.3	4.8	4.6	4.3	4.8
Above Normal (25%)	4.0	3.6	4.3	5.7	5.9	5.2	4.9	4.9	4.2	4.2	4.0	4.1
Below Normal (6%)	3.7	3.9	3.8	4.7	4.5	4.5	4.5	4.5	4.1	3.5	3.9	3.7
Dry (13%)	4.1	3.9	4.2	4.3	4.2	4.3	4.2	4.3	4.2	3.8	4.0	4.1
Critical (25%)	4.0	4.0	4.4	4.4	4.3	4.0	4.1	4.2	4.0	4.0	4.2	4.1

No Action Alternative (LLT) minus Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.8	1.5	1.7	1.8	1.5	1.6	1.5	1.5	0.7	1.1	1.6	1.5
20%	2.0	1.7	1.8	1.8	1.5	1.6	1.6	1.5	0.8	1.6	1.6	2.0
30%	1.9	1.7	1.9	1.8	1.7	1.6	1.6	1.7	1.1	1.7	1.6	1.8
40%	1.8	1.7	1.9	1.8	1.5	1.7	1.6	1.7	1.7	1.9	1.7	1.7
50%	1.8	1.7	1.9	1.7	1.7	1.7	1.6	1.7	1.7	1.9	1.7	1.7
60%	1.8	1.7	1.9	1.8	1.7	1.7	1.6	1.8	1.7	1.9	1.7	1.7
70%	1.8	1.7	2.0	1.8	1.7	1.8	1.6	1.8	1.7	1.9	1.7	1.7
80%	1.7	1.7	1.9	1.8	1.7	1.7	1.6	1.7	1.7	1.9	1.7	1.7
90%	1.7	1.6	1.7	1.8	1.7	1.7	1.7	1.8	1.7	2.0	1.8	1.5
Long Term												
Full Simulation Period[a]	1.8	1.6	1.8	1.8	1.6	1.6	1.6	1.7	1.4	1.6	1.6	1.7
Water Year Types[b]												
Wet (31%)	1.7	1.3	1.7	1.6	1.4	1.5	1.4	1.4	0.9	1.2	1.3	1.6
Above Normal (25%)	1.9	1.5	2.0	1.9	1.8	1.7	1.6	1.8	0.5	1.2	1.4	1.8
Below Normal (6%)	1.8	1.8	1.6	1.8	1.6	1.5	1.6	1.6	1.6	1.7	1.6	1.5
Dry (13%)	1.9	1.8	1.8	1.8	1.7	1.7	1.6	1.7	1.8	1.8	1.8	1.8
Critical (25%)	1.8	1.7	1.9	1.8	1.7	1.7	1.6	1.8	1.8	2.1	1.9	1.6

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

Table C-27-1-2. Old River at Tracy Blvd, Monthly Averaged Daily Maximum Elevation

Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	2.6	3.5	3.9	4.2	4.7	4.7	4.3	3.8	3.8	3.4	2.8	3.2
20%	2.3	2.4	2.9	3.4	3.8	3.8	3.5	3.2	3.6	2.7	2.7	2.6
30%	2.3	2.3	2.7	3.0	3.4	3.1	2.9	3.0	3.2	2.5	2.6	2.5
40%	2.3	2.3	2.5	2.9	3.1	2.9	2.8	2.8	2.5	2.1	2.5	2.5
50%	2.2	2.2	2.5	2.9	2.8	2.8	2.7	2.8	2.5	2.1	2.4	2.4
60%	2.1	2.2	2.4	2.8	2.7	2.7	2.7	2.6	2.4	2.0	2.3	2.4
70%	2.1	2.1	2.3	2.6	2.5	2.5	2.6	2.5	2.3	2.0	2.3	2.3
80%	2.1	2.0	2.2	2.5	2.5	2.4	2.6	2.5	2.3	1.9	2.2	2.3
90%	2.1	2.0	2.2	2.4	2.4	2.1	2.3	2.4	2.2	1.8	2.1	2.2
Long Term												
Full Simulation Period[a]	2.3	2.5	2.8	3.1	3.3	3.3	3.0	3.0	2.9	2.4	2.5	2.6
Water Year Types[b]												
Wet (31%)	2.6	3.4	3.8	4.0	4.6	5.2	4.1	3.9	4.0	3.4	3.0	3.2
Above Normal (25%)	2.2	2.0	2.3	3.8	4.2	3.5	3.3	3.1	3.6	3.0	2.5	2.3
Below Normal (6%)	1.9	2.1	2.2	2.9	2.9	3.0	2.9	2.9	2.5	1.9	2.2	2.2
Dry (13%)	2.2	2.2	2.4	2.5	2.5	2.6	2.6	2.6	2.4	2.0	2.2	2.3
Critical (25%)	2.2	2.3	2.5	2.6	2.6	2.3	2.5	2.4	2.3	1.9	2.4	2.5

Alternative 1A,1B,1C (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	4.4	4.8	5.5	5.8	6.2	6.3	5.6	4.8	4.5	4.4	4.4	4.6
20%	4.1	4.1	4.3	4.9	5.4	5.3	4.6	4.3	4.3	4.3	4.3	4.4
30%	4.0	4.0	4.1	4.6	5.1	4.9	4.0	4.2	4.2	4.2	4.2	4.2
40%	3.9	3.9	4.1	4.3	4.5	4.6	3.9	4.0	4.1	4.2	4.2	4.2
50%	3.9	3.9	4.0	4.2	4.1	4.1	3.9	4.0	4.1	4.1	4.1	4.1
60%	3.8	3.9	3.8	4.1	4.0	4.0	3.8	3.9	3.9	4.1	4.0	4.1
70%	3.8	3.8	3.8	4.1	3.9	3.9	3.8	3.9	3.9	4.0	4.0	4.1
80%	3.7	3.8	3.7	4.0	3.8	3.7	3.7	3.9	3.9	3.9	3.9	4.1
90%	3.6	3.7	3.5	4.0	3.8	3.5	3.5	3.7	3.8	3.8	3.9	3.9
Long Term												
Full Simulation Period[a]	4.0	4.1	4.3	4.6	4.7	4.8	4.2	4.2	4.2	4.1	4.1	4.2
Water Year Types[b]												
Wet (31%)	4.3	4.8	5.4	5.5	6.2	6.8	5.3	5.0	4.8	4.4	4.4	4.7
Above Normal (25%)	3.8	3.8	3.9	5.5	5.9	5.2	4.5	4.3	4.0	4.1	4.1	4.1
Below Normal (6%)	3.7	3.9	3.5	4.4	4.5	4.7	3.9	4.0	4.2	3.9	3.9	3.8
Dry (13%)	3.9	3.8	3.9	4.0	3.9	3.9	3.8	4.0	4.0	3.9	4.0	4.0
Critical (25%)	3.9	3.9	3.9	4.1	3.9	3.7	3.7	3.8	3.9	4.1	4.0	4.1

Alternative 1A,1B,1C (LLT) minus Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.8	1.3	1.6	1.6	1.5	1.6	1.3	1.0	0.6	1.0	1.6	1.4
20%	1.8	1.7	1.5	1.5	1.6	1.4	1.1	1.0	0.7	1.6	1.6	1.8
30%	1.7	1.7	1.5	1.6	1.6	1.8	1.1	1.3	0.9	1.7	1.6	1.6
40%	1.6	1.7	1.6	1.4	1.5	1.7	1.1	1.2	1.6	2.0	1.7	1.7
50%	1.7	1.7	1.6	1.3	1.3	1.2	1.1	1.2	1.6	2.1	1.7	1.7
60%	1.7	1.8	1.4	1.3	1.3	1.3	1.2	1.3	1.5	2.1	1.7	1.7
70%	1.7	1.7	1.5	1.4	1.4	1.4	1.2	1.4	1.6	2.0	1.7	1.7
80%	1.6	1.8	1.4	1.5	1.4	1.3	1.2	1.4	1.6	2.1	1.7	1.8
90%	1.6	1.7	1.4	1.6	1.3	1.5	1.2	1.4	1.6	2.0	1.8	1.6
Long Term												
Full Simulation Period[a]	1.7	1.6	1.5	1.5	1.4	1.5	1.2	1.3	1.3	1.7	1.6	1.6
Water Year Types[b]												
Wet (31%)	1.7	1.3	1.6	1.5	1.5	1.6	1.2	1.1	0.8	1.0	1.3	1.5
Above Normal (25%)	1.6	1.7	1.6	1.7	1.7	1.7	1.2	1.2	0.4	1.1	1.5	1.8
Below Normal (6%)	1.8	1.8	1.3	1.4	1.6	1.7	1.0	1.0	1.7	2.1	1.6	1.7
Dry (13%)	1.7	1.7	1.5	1.5	1.4	1.3	1.2	1.4	1.7	1.9	1.8	1.7
Critical (25%)	1.7	1.7	1.5	1.4	1.3	1.4	1.2	1.4	1.6	2.2	1.6	1.6

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-27-1-3. Old River at Tracy Blvd, Monthly Averaged Daily Maximum Elevation

Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	2.6	3.5	3.9	4.2	4.7	4.7	4.3	3.8	3.8	3.4	2.8	3.2
20%	2.3	2.4	2.9	3.4	3.8	3.8	3.5	3.2	3.6	2.7	2.7	2.6
30%	2.3	2.3	2.7	3.0	3.4	3.1	2.9	3.0	3.2	2.5	2.6	2.5
40%	2.3	2.3	2.5	2.9	3.1	2.9	2.8	2.8	2.5	2.1	2.5	2.5
50%	2.2	2.2	2.5	2.9	2.8	2.8	2.7	2.8	2.5	2.1	2.4	2.4
60%	2.1	2.2	2.4	2.8	2.7	2.7	2.7	2.6	2.4	2.0	2.3	2.4
70%	2.1	2.1	2.3	2.6	2.5	2.5	2.6	2.5	2.3	2.0	2.3	2.3
80%	2.1	2.0	2.2	2.5	2.5	2.4	2.6	2.5	2.3	1.9	2.2	2.3
90%	2.1	2.0	2.2	2.4	2.4	2.1	2.3	2.4	2.2	1.8	2.1	2.2
Long Term												
Full Simulation Period[a]	2.3	2.5	2.8	3.1	3.3	3.3	3.0	3.0	2.9	2.4	2.5	2.6
Water Year Types[b]												
Wet (31%)	2.6	3.4	3.8	4.0	4.6	5.2	4.1	3.9	4.0	3.4	3.0	3.2
Above Normal (25%)	2.2	2.0	2.3	3.8	4.2	3.5	3.3	3.1	3.6	3.0	2.5	2.3
Below Normal (6%)	1.9	2.1	2.2	2.9	2.9	3.0	2.9	2.9	2.5	1.9	2.2	2.2
Dry (13%)	2.2	2.2	2.4	2.5	2.5	2.6	2.6	2.6	2.4	2.0	2.2	2.3
Critical (25%)	2.2	2.3	2.5	2.6	2.6	2.3	2.5	2.4	2.3	1.9	2.4	2.5

Alternative 2A,2B,2C (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	4.3	5.0	5.5	5.8	6.2	6.3	5.6	4.9	4.2	4.1	4.2	4.9
20%	4.0	4.1	4.1	4.8	5.4	5.3	4.7	4.2	4.0	4.0	4.1	4.6
30%	3.9	4.0	4.1	4.5	5.0	4.7	4.0	4.1	3.9	3.9	4.0	4.3
40%	3.8	4.0	4.1	4.2	4.1	4.1	3.9	3.9	3.8	3.9	4.0	4.0
50%	3.8	3.9	4.0	4.2	4.0	4.0	3.9	3.9	3.8	3.8	4.0	4.0
60%	3.7	3.8	3.9	4.1	4.0	3.9	3.8	3.8	3.7	3.8	3.8	4.0
70%	3.7	3.8	3.9	4.1	3.8	3.8	3.8	3.8	3.7	3.8	3.7	3.9
80%	3.7	3.7	3.8	4.1	3.8	3.7	3.7	3.7	3.6	3.7	3.7	3.9
90%	3.6	3.6	3.6	4.0	3.7	3.4	3.5	3.6	3.5	3.6	3.6	3.7
Long Term												
Full Simulation Period[a]	3.9	4.1	4.3	4.6	4.7	4.7	4.2	4.2	3.9	3.9	3.9	4.2
Water Year Types[b]												
Wet (31%)	4.2	4.8	5.4	5.4	6.1	6.8	5.3	5.0	4.6	4.3	4.3	5.0
Above Normal (25%)	3.6	3.6	4.0	5.4	5.8	5.1	4.5	4.4	3.9	3.8	3.9	4.3
Below Normal (6%)	3.7	4.1	3.5	4.2	4.1	4.1	3.9	3.9	3.7	3.7	3.8	3.8
Dry (13%)	3.9	3.9	4.0	4.0	3.8	3.8	3.8	3.8	3.7	3.7	3.8	3.8
Critical (25%)	3.8	3.9	3.9	4.1	3.8	3.6	3.6	3.7	3.6	3.8	3.8	3.9

Alternative 2A,2B,2C (LLT) minus Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.6	1.4	1.6	1.6	1.5	1.6	1.3	1.1	0.3	0.7	1.4	1.8
20%	1.7	1.7	1.3	1.4	1.6	1.4	1.2	0.9	0.5	1.2	1.4	2.0
30%	1.6	1.7	1.4	1.5	1.5	1.7	1.1	1.2	0.7	1.4	1.4	1.7
40%	1.5	1.7	1.5	1.3	1.0	1.2	1.1	1.1	1.3	1.7	1.5	1.6
50%	1.5	1.7	1.6	1.3	1.2	1.2	1.1	1.2	1.3	1.8	1.5	1.6
60%	1.6	1.6	1.5	1.3	1.3	1.2	1.2	1.3	1.3	1.8	1.4	1.6
70%	1.6	1.7	1.6	1.5	1.3	1.2	1.1	1.3	1.3	1.8	1.4	1.6
80%	1.6	1.7	1.6	1.5	1.3	1.3	1.1	1.3	1.3	1.8	1.5	1.6
90%	1.6	1.6	1.5	1.6	1.3	1.4	1.2	1.3	1.3	1.8	1.5	1.5
Long Term												
Full Simulation Period[a]	1.6	1.6	1.5	1.5	1.4	1.4	1.2	1.2	1.0	1.5	1.4	1.6
Water Year Types[b]												
Wet (31%)	1.5	1.4	1.6	1.4	1.5	1.5	1.2	1.1	0.6	0.9	1.2	1.7
Above Normal (25%)	1.5	1.5	1.6	1.6	1.7	1.6	1.2	1.3	0.3	0.8	1.3	2.0
Below Normal (6%)	1.8	2.0	1.3	1.3	1.1	1.1	1.0	1.0	1.2	1.8	1.5	1.6
Dry (13%)	1.6	1.8	1.6	1.4	1.3	1.2	1.2	1.2	1.4	1.7	1.6	1.6
Critical (25%)	1.6	1.6	1.4	1.5	1.2	1.3	1.2	1.3	1.3	1.9	1.4	1.5

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-27-1-4. Old River at Tracy Blvd, Monthly Averaged Daily Maximum Elevation

Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	2.6	3.5	3.9	4.2	4.7	4.7	4.3	3.8	3.8	3.4	2.8	3.2
20%	2.3	2.4	2.9	3.4	3.8	3.8	3.5	3.2	3.6	2.7	2.7	2.6
30%	2.3	2.3	2.7	3.0	3.4	3.1	2.9	3.0	3.2	2.5	2.6	2.5
40%	2.3	2.3	2.5	2.9	3.1	2.9	2.8	2.8	2.5	2.1	2.5	2.5
50%	2.2	2.2	2.5	2.9	2.8	2.8	2.7	2.8	2.5	2.1	2.4	2.4
60%	2.1	2.2	2.4	2.8	2.7	2.7	2.7	2.6	2.4	2.0	2.3	2.4
70%	2.1	2.1	2.3	2.6	2.5	2.5	2.6	2.5	2.3	2.0	2.3	2.3
80%	2.1	2.0	2.2	2.5	2.5	2.4	2.6	2.5	2.3	1.9	2.2	2.3
90%	2.1	2.0	2.2	2.4	2.4	2.1	2.3	2.4	2.2	1.8	2.1	2.2
Long Term												
Full Simulation Period[a]	2.3	2.5	2.8	3.1	3.3	3.3	3.0	3.0	2.9	2.4	2.5	2.6
Water Year Types[b]												
Wet (31%)	2.6	3.4	3.8	4.0	4.6	5.2	4.1	3.9	4.0	3.4	3.0	3.2
Above Normal (25%)	2.2	2.0	2.3	3.8	4.2	3.5	3.3	3.1	3.6	3.0	2.5	2.3
Below Normal (6%)	1.9	2.1	2.2	2.9	2.9	3.0	2.9	2.9	2.5	1.9	2.2	2.2
Dry (13%)	2.2	2.2	2.4	2.5	2.5	2.6	2.6	2.6	2.4	2.0	2.2	2.3
Critical (25%)	2.2	2.3	2.5	2.6	2.6	2.3	2.5	2.4	2.3	1.9	2.4	2.5

Alternative 3 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	4.3	4.6	5.2	5.6	6.0	6.0	5.4	4.7	4.3	4.4	4.4	4.4
20%	4.1	4.0	4.2	4.7	5.2	5.3	4.6	4.3	4.2	4.3	4.3	4.2
30%	4.0	4.0	4.1	4.3	4.8	4.7	4.0	4.2	4.2	4.2	4.2	4.2
40%	4.0	4.0	4.0	4.3	4.3	4.3	3.9	4.0	4.1	4.2	4.2	4.1
50%	3.9	3.9	3.9	4.2	4.1	4.1	3.9	4.0	4.0	4.1	4.1	4.1
60%	3.9	3.8	3.9	4.1	4.1	4.0	3.8	3.9	3.9	4.0	4.0	4.0
70%	3.8	3.8	3.8	4.1	3.9	3.9	3.8	3.9	3.9	4.0	3.9	4.0
80%	3.7	3.8	3.8	4.0	3.8	3.7	3.7	3.8	3.9	4.0	3.9	4.0
90%	3.7	3.7	3.5	4.0	3.7	3.5	3.5	3.7	3.8	3.8	3.8	3.9
Long Term												
Full Simulation Period[a]	4.0	4.0	4.2	4.5	4.7	4.7	4.2	4.2	4.1	4.1	4.1	4.1
Water Year Types[b]												
Wet (31%)	4.3	4.6	5.2	5.2	6.0	6.6	5.1	4.9	4.6	4.4	4.4	4.5
Above Normal (25%)	3.8	3.7	4.0	5.3	5.7	5.1	4.4	4.3	3.9	4.1	4.0	4.0
Below Normal (6%)	3.7	3.8	3.5	4.3	4.3	4.5	3.9	4.0	4.2	4.0	3.9	3.8
Dry (13%)	3.9	3.8	3.8	4.0	3.9	3.9	3.8	3.9	4.1	3.9	4.0	4.0
Critical (25%)	3.9	3.9	3.9	4.1	3.9	3.7	3.7	3.8	3.9	4.1	4.0	4.1

Alternative 3 (LLT) minus Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.6	1.1	1.4	1.5	1.3	1.4	1.1	0.9	0.4	1.0	1.6	1.2
20%	1.7	1.6	1.3	1.3	1.4	1.4	1.1	1.0	0.7	1.6	1.6	1.6
30%	1.7	1.7	1.4	1.3	1.4	1.6	1.1	1.3	1.0	1.7	1.6	1.6
40%	1.7	1.7	1.5	1.4	1.2	1.5	1.1	1.2	1.6	2.0	1.7	1.7
50%	1.7	1.7	1.5	1.3	1.3	1.2	1.2	1.2	1.6	2.1	1.7	1.7
60%	1.8	1.7	1.5	1.3	1.4	1.3	1.2	1.3	1.5	2.0	1.7	1.6
70%	1.7	1.7	1.5	1.5	1.4	1.3	1.2	1.4	1.6	2.0	1.7	1.7
80%	1.6	1.8	1.5	1.5	1.4	1.3	1.2	1.4	1.6	2.1	1.7	1.7
90%	1.6	1.8	1.3	1.6	1.3	1.5	1.2	1.3	1.6	2.0	1.8	1.7
Long Term												
Full Simulation Period[a]	1.7	1.6	1.4	1.4	1.4	1.4	1.1	1.2	1.2	1.7	1.6	1.6
Water Year Types[b]												
Wet (31%)	1.7	1.2	1.4	1.2	1.3	1.4	1.0	1.0	0.7	1.0	1.3	1.3
Above Normal (25%)	1.6	1.7	1.6	1.5	1.6	1.6	1.1	1.2	0.3	1.1	1.5	1.7
Below Normal (6%)	1.8	1.7	1.3	1.4	1.4	1.5	1.0	1.0	1.7	2.1	1.6	1.7
Dry (13%)	1.7	1.7	1.5	1.5	1.4	1.3	1.2	1.3	1.7	1.9	1.8	1.8
Critical (25%)	1.6	1.7	1.4	1.5	1.3	1.4	1.2	1.4	1.6	2.2	1.7	1.6

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-27-1-5. Old River at Tracy Blvd, Monthly Averaged Daily Maximum Elevation

Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	2.6	3.5	3.9	4.2	4.7	4.7	4.3	3.8	3.8	3.4	2.8	3.2
20%	2.3	2.4	2.9	3.4	3.8	3.8	3.5	3.2	3.6	2.7	2.7	2.6
30%	2.3	2.3	2.7	3.0	3.4	3.1	2.9	3.0	3.2	2.5	2.6	2.5
40%	2.3	2.3	2.5	2.9	3.1	2.9	2.8	2.8	2.5	2.1	2.5	2.5
50%	2.2	2.2	2.5	2.9	2.8	2.8	2.7	2.8	2.5	2.1	2.4	2.4
60%	2.1	2.2	2.4	2.8	2.7	2.7	2.7	2.6	2.4	2.0	2.3	2.4
70%	2.1	2.1	2.3	2.6	2.5	2.5	2.6	2.5	2.3	2.0	2.3	2.3
80%	2.1	2.0	2.2	2.5	2.5	2.4	2.6	2.5	2.3	1.9	2.2	2.3
90%	2.1	2.0	2.2	2.4	2.4	2.1	2.3	2.4	2.2	1.8	2.1	2.2
Long Term												
Full Simulation Period[a]	2.3	2.5	2.8	3.1	3.3	3.3	3.0	3.0	2.9	2.4	2.5	2.6
Water Year Types[b]												
Wet (31%)	2.6	3.4	3.8	4.0	4.6	5.2	4.1	3.9	4.0	3.4	3.0	3.2
Above Normal (25%)	2.2	2.0	2.3	3.8	4.2	3.5	3.3	3.1	3.6	3.0	2.5	2.3
Below Normal (6%)	1.9	2.1	2.2	2.9	2.9	3.0	2.9	2.9	2.5	1.9	2.2	2.2
Dry (13%)	2.2	2.2	2.4	2.5	2.5	2.6	2.6	2.6	2.4	2.0	2.2	2.3
Critical (25%)	2.2	2.3	2.5	2.6	2.6	2.3	2.5	2.4	2.3	1.9	2.4	2.5

Alternative 4 H1 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	4.2	4.8	5.3	5.6	6.0	6.1	5.5	4.9	4.2	4.1	4.2	4.5
20%	3.9	3.9	4.2	4.6	5.1	5.3	4.7	4.2	4.1	3.9	4.1	4.1
30%	3.9	3.9	4.1	4.2	4.8	4.7	4.0	4.1	3.9	3.9	4.0	4.0
40%	3.8	3.8	4.1	4.2	4.1	4.2	3.9	3.9	3.9	3.9	4.0	4.0
50%	3.7	3.7	4.1	4.1	4.0	4.0	3.9	3.9	3.8	3.9	3.9	4.0
60%	3.7	3.7	4.0	4.1	4.0	3.9	3.8	3.8	3.7	3.8	3.8	4.0
70%	3.7	3.7	4.0	4.0	3.8	3.8	3.8	3.8	3.7	3.8	3.7	3.9
80%	3.7	3.7	3.8	4.0	3.8	3.7	3.7	3.7	3.6	3.7	3.7	3.9
90%	3.6	3.5	3.6	3.8	3.7	3.5	3.5	3.7	3.5	3.6	3.6	3.8
Long Term												
Full Simulation Period[a]	3.8	4.0	4.3	4.4	4.6	4.7	4.2	4.2	3.9	3.9	3.9	4.1
Water Year Types[b]												
Wet (31%)	4.1	4.8	5.4	5.3	5.9	6.7	5.2	5.0	4.5	4.3	4.2	4.6
Above Normal (25%)	3.6	3.6	3.9	5.1	5.7	5.1	4.4	4.4	3.9	3.8	3.9	4.0
Below Normal (6%)	3.7	3.7	3.5	4.3	4.1	4.2	3.9	3.9	3.9	3.7	3.8	3.8
Dry (13%)	3.8	3.7	4.0	4.0	3.8	3.8	3.8	3.8	3.7	3.7	3.8	3.8
Critical (25%)	3.7	3.7	4.0	3.9	3.8	3.6	3.6	3.7	3.6	3.9	3.8	3.9

Alternative 4 H1 (LLT) minus Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.5	1.3	1.4	1.4	1.3	1.4	1.2	1.1	0.3	0.7	1.4	1.3
20%	1.6	1.5	1.3	1.2	1.2	1.4	1.2	0.9	0.5	1.2	1.4	1.5
30%	1.5	1.6	1.4	1.2	1.4	1.6	1.1	1.2	0.7	1.3	1.4	1.5
40%	1.5	1.5	1.5	1.3	1.0	1.4	1.1	1.1	1.3	1.7	1.5	1.5
50%	1.5	1.6	1.6	1.3	1.2	1.2	1.1	1.2	1.3	1.8	1.4	1.6
60%	1.6	1.5	1.6	1.3	1.3	1.2	1.2	1.3	1.3	1.8	1.4	1.6
70%	1.6	1.6	1.7	1.4	1.3	1.2	1.1	1.3	1.3	1.8	1.4	1.6
80%	1.6	1.7	1.6	1.4	1.3	1.2	1.1	1.3	1.3	1.9	1.5	1.6
90%	1.5	1.5	1.5	1.5	1.3	1.4	1.2	1.3	1.3	1.8	1.5	1.6
Long Term												
Full Simulation Period[a]	1.5	1.5	1.5	1.3	1.3	1.4	1.1	1.2	1.0	1.5	1.4	1.5
Water Year Types[b]												
Wet (31%)	1.5	1.4	1.5	1.3	1.3	1.4	1.1	1.1	0.6	0.8	1.2	1.4
Above Normal (25%)	1.5	1.5	1.6	1.3	1.5	1.6	1.1	1.3	0.3	0.8	1.3	1.7
Below Normal (6%)	1.8	1.6	1.3	1.3	1.1	1.3	1.0	1.0	1.3	1.9	1.5	1.6
Dry (13%)	1.5	1.5	1.6	1.4	1.3	1.2	1.2	1.2	1.3	1.7	1.6	1.6
Critical (25%)	1.5	1.5	1.5	1.3	1.2	1.3	1.2	1.3	1.3	2.0	1.5	1.5

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-27-1-6. Old River at Tracy Blvd, Monthly Averaged Daily Maximum Elevation

Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	2.6	3.5	3.9	4.2	4.7	4.7	4.3	3.8	3.8	3.4	2.8	3.2
20%	2.3	2.4	2.9	3.4	3.8	3.8	3.5	3.2	3.6	2.7	2.7	2.6
30%	2.3	2.3	2.7	3.0	3.4	3.1	2.9	3.0	3.2	2.5	2.6	2.5
40%	2.3	2.3	2.5	2.9	3.1	2.9	2.8	2.8	2.5	2.1	2.5	2.5
50%	2.2	2.2	2.5	2.9	2.8	2.8	2.7	2.8	2.5	2.1	2.4	2.4
60%	2.1	2.2	2.4	2.8	2.7	2.7	2.7	2.6	2.4	2.0	2.3	2.4
70%	2.1	2.1	2.3	2.6	2.5	2.5	2.6	2.5	2.3	2.0	2.3	2.3
80%	2.1	2.0	2.2	2.5	2.5	2.4	2.6	2.5	2.3	1.9	2.2	2.3
90%	2.1	2.0	2.2	2.4	2.4	2.1	2.3	2.4	2.2	1.8	2.1	2.2
Long Term												
Full Simulation Period[a]	2.3	2.5	2.8	3.1	3.3	3.3	3.0	3.0	2.9	2.4	2.5	2.6
Water Year Types[b]												
Wet (31%)	2.6	3.4	3.8	4.0	4.6	5.2	4.1	3.9	4.0	3.4	3.0	3.2
Above Normal (25%)	2.2	2.0	2.3	3.8	4.2	3.5	3.3	3.1	3.6	3.0	2.5	2.3
Below Normal (6%)	1.9	2.1	2.2	2.9	2.9	3.0	2.9	2.9	2.5	1.9	2.2	2.2
Dry (13%)	2.2	2.2	2.4	2.5	2.5	2.6	2.6	2.6	2.4	2.0	2.2	2.3
Critical (25%)	2.2	2.3	2.5	2.6	2.6	2.3	2.5	2.4	2.3	1.9	2.4	2.5

Alternative 4 H2 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	4.2	4.8	5.3	5.6	6.0	6.2	5.5	4.9	4.3	4.3	4.2	4.5
20%	3.9	3.9	4.2	4.6	5.2	5.3	4.7	4.3	4.2	4.2	4.1	4.3
30%	3.9	3.9	4.1	4.3	4.9	4.7	4.1	4.2	4.0	4.0	4.0	4.0
40%	3.8	3.8	4.1	4.2	4.1	4.1	4.1	4.0	3.8	3.9	4.0	4.0
50%	3.7	3.7	4.1	4.1	4.0	4.0	4.0	4.0	3.8	3.9	3.9	4.0
60%	3.7	3.7	4.0	4.1	4.0	3.9	3.9	4.0	3.8	3.8	3.9	3.9
70%	3.7	3.7	3.9	4.0	3.8	3.8	3.8	3.8	3.7	3.8	3.7	3.9
80%	3.6	3.6	3.8	4.0	3.8	3.7	3.7	3.7	3.7	3.8	3.7	3.9
90%	3.6	3.5	3.8	3.9	3.7	3.5	3.6	3.6	3.6	3.7	3.6	3.8
Long Term												
Full Simulation Period[a]	3.8	3.9	4.3	4.5	4.6	4.7	4.3	4.2	4.0	4.0	3.9	4.1
Water Year Types[b]												
Wet (31%)	4.2	4.7	5.3	5.3	5.9	6.7	5.3	5.0	4.7	4.4	4.2	4.7
Above Normal (25%)	3.7	3.6	4.0	5.1	5.8	5.1	4.5	4.4	3.9	4.1	3.9	4.0
Below Normal (6%)	3.6	3.7	3.8	4.3	4.1	4.1	3.9	4.0	3.7	3.7	3.9	3.8
Dry (13%)	3.8	3.7	4.0	4.0	3.8	3.8	3.9	3.8	3.8	3.7	3.8	3.9
Critical (25%)	3.7	3.7	4.0	4.0	3.8	3.6	3.7	3.8	3.6	3.9	3.8	3.9

Alternative 4 H2 (LLT) minus Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.5	1.3	1.4	1.4	1.3	1.5	1.2	1.1	0.5	0.9	1.4	1.3
20%	1.6	1.5	1.3	1.2	1.4	1.4	1.2	1.0	0.6	1.5	1.4	1.7
30%	1.5	1.6	1.4	1.3	1.5	1.6	1.2	1.2	0.7	1.5	1.4	1.5
40%	1.5	1.5	1.5	1.3	1.0	1.2	1.3	1.2	1.3	1.8	1.5	1.5
50%	1.5	1.5	1.6	1.3	1.2	1.2	1.3	1.2	1.3	1.8	1.5	1.6
60%	1.6	1.5	1.7	1.3	1.3	1.2	1.3	1.4	1.3	1.8	1.5	1.5
70%	1.6	1.6	1.6	1.4	1.3	1.3	1.2	1.3	1.4	1.8	1.5	1.6
80%	1.5	1.6	1.6	1.5	1.3	1.3	1.2	1.3	1.4	1.9	1.5	1.6
90%	1.5	1.5	1.6	1.6	1.3	1.4	1.2	1.3	1.4	2.0	1.5	1.6
Long Term												
Full Simulation Period[a]	1.5	1.5	1.5	1.4	1.3	1.4	1.2	1.2	1.1	1.5	1.4	1.5
Water Year Types[b]												
Wet (31%)	1.6	1.3	1.5	1.3	1.3	1.5	1.2	1.1	0.7	1.0	1.2	1.4
Above Normal (25%)	1.5	1.5	1.6	1.3	1.6	1.6	1.2	1.3	0.3	1.1	1.4	1.7
Below Normal (6%)	1.8	1.6	1.6	1.3	1.2	1.1	1.0	1.1	1.2	1.8	1.6	1.6
Dry (13%)	1.5	1.5	1.6	1.4	1.3	1.2	1.2	1.3	1.4	1.7	1.6	1.6
Critical (25%)	1.5	1.5	1.5	1.4	1.2	1.3	1.2	1.3	1.3	2.0	1.4	1.4

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-27-1-7. Old River at Tracy Blvd, Monthly Averaged Daily Maximum Elevation

Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	2.6	3.5	3.9	4.2	4.7	4.7	4.3	3.8	3.8	3.4	2.8	3.2
20%	2.3	2.4	2.9	3.4	3.8	3.8	3.5	3.2	3.6	2.7	2.7	2.6
30%	2.3	2.3	2.7	3.0	3.4	3.1	2.9	3.0	3.2	2.5	2.6	2.5
40%	2.3	2.3	2.5	2.9	3.1	2.9	2.8	2.8	2.5	2.1	2.5	2.5
50%	2.2	2.2	2.5	2.9	2.8	2.8	2.7	2.8	2.5	2.1	2.4	2.4
60%	2.1	2.2	2.4	2.8	2.7	2.7	2.7	2.6	2.4	2.0	2.3	2.4
70%	2.1	2.1	2.3	2.6	2.5	2.5	2.6	2.5	2.3	2.0	2.3	2.3
80%	2.1	2.0	2.2	2.5	2.5	2.4	2.6	2.5	2.3	1.9	2.2	2.3
90%	2.1	2.0	2.2	2.4	2.4	2.1	2.3	2.4	2.2	1.8	2.1	2.2
Long Term												
Full Simulation Period[a]	2.3	2.5	2.8	3.1	3.3	3.3	3.0	3.0	2.9	2.4	2.5	2.6
Water Year Types[b]												
Wet (31%)	2.6	3.4	3.8	4.0	4.6	5.2	4.1	3.9	4.0	3.4	3.0	3.2
Above Normal (25%)	2.2	2.0	2.3	3.8	4.2	3.5	3.3	3.1	3.6	3.0	2.5	2.3
Below Normal (6%)	1.9	2.1	2.2	2.9	2.9	3.0	2.9	2.9	2.5	1.9	2.2	2.2
Dry (13%)	2.2	2.2	2.4	2.5	2.5	2.6	2.6	2.6	2.4	2.0	2.2	2.3
Critical (25%)	2.2	2.3	2.5	2.6	2.6	2.3	2.5	2.4	2.3	1.9	2.4	2.5

Alternative 4 H3 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	4.4	4.9	5.2	5.6	5.9	6.1	5.5	4.9	4.2	4.1	4.2	4.9
20%	4.0	4.1	4.1	4.6	5.0	5.3	4.7	4.2	4.1	4.0	4.1	4.6
30%	3.9	4.0	4.1	4.2	4.8	4.7	4.1	4.1	3.9	3.9	4.1	4.3
40%	3.8	4.0	4.1	4.2	4.1	4.1	4.0	3.9	3.8	3.9	4.0	4.0
50%	3.8	3.9	4.0	4.2	4.0	4.0	3.9	3.9	3.8	3.8	3.9	4.0
60%	3.7	3.8	4.0	4.1	4.0	3.9	3.8	3.8	3.7	3.8	3.8	4.0
70%	3.7	3.7	3.9	4.1	3.8	3.8	3.8	3.8	3.6	3.8	3.7	3.9
80%	3.7	3.7	3.8	4.0	3.8	3.7	3.7	3.7	3.6	3.7	3.7	3.9
90%	3.7	3.6	3.7	3.9	3.7	3.4	3.5	3.6	3.5	3.6	3.6	3.7
Long Term												
Full Simulation Period[a]	3.9	4.1	4.3	4.5	4.6	4.6	4.2	4.2	3.9	3.9	3.9	4.2
Water Year Types[b]												
Wet (31%)	4.2	4.7	5.3	5.3	5.9	6.7	5.2	5.0	4.5	4.3	4.3	4.9
Above Normal (25%)	3.6	3.6	3.9	5.1	5.6	5.1	4.4	4.4	3.9	3.8	3.9	4.3
Below Normal (6%)	3.7	4.1	3.6	4.2	4.1	4.1	3.9	3.9	3.7	3.7	3.8	3.8
Dry (13%)	3.9	3.9	4.0	4.0	3.8	3.8	3.8	3.8	3.7	3.7	3.8	3.8
Critical (25%)	3.8	3.8	3.9	4.0	3.8	3.6	3.7	3.7	3.6	3.8	3.8	3.9

Alternative 4 H3 (LLT) minus Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.8	1.4	1.4	1.4	1.2	1.4	1.2	1.1	0.3	0.7	1.4	1.7
20%	1.7	1.7	1.3	1.2	1.2	1.4	1.2	0.9	0.5	1.3	1.4	2.0
30%	1.6	1.7	1.4	1.2	1.4	1.6	1.2	1.2	0.7	1.4	1.5	1.7
40%	1.5	1.7	1.5	1.3	1.0	1.2	1.2	1.1	1.3	1.7	1.5	1.6
50%	1.5	1.7	1.6	1.3	1.2	1.2	1.2	1.2	1.3	1.8	1.4	1.6
60%	1.6	1.6	1.6	1.3	1.3	1.2	1.2	1.3	1.3	1.8	1.4	1.6
70%	1.6	1.6	1.6	1.4	1.3	1.2	1.1	1.3	1.3	1.8	1.4	1.6
80%	1.6	1.7	1.6	1.5	1.3	1.2	1.1	1.3	1.3	1.9	1.5	1.6
90%	1.6	1.6	1.6	1.5	1.3	1.4	1.2	1.3	1.3	1.8	1.5	1.5
Long Term												
Full Simulation Period[a]	1.6	1.6	1.5	1.4	1.3	1.3	1.2	1.2	1.0	1.5	1.4	1.6
Water Year Types[b]												
Wet (31%)	1.6	1.3	1.5	1.3	1.3	1.4	1.1	1.1	0.6	0.9	1.2	1.7
Above Normal (25%)	1.5	1.5	1.6	1.3	1.4	1.6	1.1	1.3	0.3	0.8	1.3	2.0
Below Normal (6%)	1.8	2.0	1.5	1.3	1.2	1.1	1.0	1.0	1.2	1.9	1.5	1.6
Dry (13%)	1.6	1.8	1.6	1.4	1.3	1.2	1.2	1.2	1.4	1.7	1.6	1.5
Critical (25%)	1.6	1.6	1.5	1.4	1.2	1.3	1.2	1.3	1.3	2.0	1.5	1.5

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-27-1-8. Old River at Tracy Blvd, Monthly Averaged Daily Maximum Elevation

Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	2.6	3.5	3.9	4.2	4.7	4.7	4.3	3.8	3.8	3.4	2.8	3.2
20%	2.3	2.4	2.9	3.4	3.8	3.8	3.5	3.2	3.6	2.7	2.7	2.6
30%	2.3	2.3	2.7	3.0	3.4	3.1	2.9	3.0	3.2	2.5	2.6	2.5
40%	2.3	2.3	2.5	2.9	3.1	2.9	2.8	2.8	2.5	2.1	2.5	2.5
50%	2.2	2.2	2.5	2.9	2.8	2.8	2.7	2.8	2.5	2.1	2.4	2.4
60%	2.1	2.2	2.4	2.8	2.7	2.7	2.7	2.6	2.4	2.0	2.3	2.4
70%	2.1	2.1	2.3	2.6	2.5	2.5	2.6	2.5	2.3	2.0	2.3	2.3
80%	2.1	2.0	2.2	2.5	2.5	2.4	2.6	2.5	2.3	1.9	2.2	2.3
90%	2.1	2.0	2.2	2.4	2.4	2.1	2.3	2.4	2.2	1.8	2.1	2.2
Long Term												
Full Simulation Period[a]	2.3	2.5	2.8	3.1	3.3	3.3	3.0	3.0	2.9	2.4	2.5	2.6
Water Year Types[b]												
Wet (31%)	2.6	3.4	3.8	4.0	4.6	5.2	4.1	3.9	4.0	3.4	3.0	3.2
Above Normal (25%)	2.2	2.0	2.3	3.8	4.2	3.5	3.3	3.1	3.6	3.0	2.5	2.3
Below Normal (6%)	1.9	2.1	2.2	2.9	2.9	3.0	2.9	2.9	2.5	1.9	2.2	2.2
Dry (13%)	2.2	2.2	2.4	2.5	2.5	2.6	2.6	2.6	2.4	2.0	2.2	2.3
Critical (25%)	2.2	2.3	2.5	2.6	2.6	2.3	2.5	2.4	2.3	1.9	2.4	2.5

Alternative 4 H4 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	4.4	4.9	5.2	5.7	5.9	6.2	5.5	4.9	4.3	4.3	4.2	4.9
20%	4.1	4.1	4.1	4.6	5.2	5.3	4.7	4.3	4.2	4.2	4.1	4.6
30%	3.9	4.1	4.1	4.4	4.8	4.7	4.1	4.1	4.0	4.0	4.0	4.3
40%	3.8	4.0	4.1	4.2	4.1	4.1	4.1	4.0	3.8	3.9	3.9	4.0
50%	3.7	3.9	4.0	4.2	4.0	4.0	4.0	4.0	3.8	3.9	3.9	4.0
60%	3.7	3.8	3.9	4.1	3.9	3.9	3.9	4.0	3.8	3.8	3.7	3.9
70%	3.7	3.8	3.9	4.1	3.8	3.8	3.8	3.8	3.7	3.8	3.7	3.9
80%	3.7	3.7	3.8	4.0	3.8	3.7	3.8	3.8	3.7	3.8	3.7	3.9
90%	3.6	3.6	3.7	3.9	3.7	3.5	3.5	3.6	3.6	3.7	3.6	3.7
Long Term												
Full Simulation Period[a]	3.9	4.1	4.3	4.5	4.6	4.7	4.3	4.2	4.0	4.0	3.9	4.2
Water Year Types[b]												
Wet (31%)	4.2	4.7	5.3	5.4	5.9	6.7	5.3	5.0	4.7	4.4	4.2	5.0
Above Normal (25%)	3.6	3.6	3.9	5.2	5.6	5.1	4.5	4.4	3.9	4.1	3.9	4.3
Below Normal (6%)	3.7	4.1	3.6	4.3	4.1	4.1	3.9	4.0	3.9	3.7	3.7	3.7
Dry (13%)	3.9	3.9	4.0	4.0	3.8	3.8	3.9	3.8	3.8	3.8	3.8	3.8
Critical (25%)	3.8	3.9	3.9	4.0	3.8	3.6	3.7	3.8	3.6	3.8	3.8	3.9

Alternative 4 H4 (LLT) minus Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.8	1.4	1.4	1.5	1.2	1.5	1.2	1.1	0.5	0.9	1.4	1.8
20%	1.7	1.7	1.3	1.2	1.4	1.4	1.2	1.0	0.6	1.5	1.4	2.0
30%	1.6	1.8	1.4	1.4	1.4	1.6	1.2	1.2	0.8	1.5	1.4	1.8
40%	1.5	1.7	1.5	1.3	1.0	1.2	1.3	1.2	1.3	1.8	1.5	1.6
50%	1.5	1.7	1.6	1.3	1.2	1.2	1.3	1.2	1.3	1.8	1.4	1.6
60%	1.6	1.7	1.5	1.3	1.3	1.2	1.3	1.4	1.4	1.9	1.4	1.5
70%	1.6	1.7	1.6	1.4	1.3	1.3	1.2	1.3	1.4	1.8	1.4	1.6
80%	1.6	1.7	1.6	1.5	1.3	1.3	1.2	1.3	1.4	1.9	1.5	1.6
90%	1.6	1.6	1.5	1.5	1.3	1.4	1.2	1.3	1.4	1.9	1.5	1.5
Long Term												
Full Simulation Period[a]	1.6	1.6	1.5	1.4	1.3	1.4	1.2	1.2	1.1	1.6	1.4	1.6
Water Year Types[b]												
Wet (31%)	1.6	1.2	1.5	1.4	1.3	1.5	1.2	1.1	0.7	1.0	1.2	1.7
Above Normal (25%)	1.5	1.5	1.6	1.4	1.5	1.6	1.2	1.3	0.3	1.1	1.4	2.0
Below Normal (6%)	1.8	2.1	1.4	1.3	1.2	1.1	1.0	1.1	1.4	1.9	1.5	1.5
Dry (13%)	1.6	1.8	1.6	1.4	1.3	1.2	1.3	1.3	1.4	1.8	1.6	1.6
Critical (25%)	1.5	1.6	1.4	1.4	1.2	1.3	1.2	1.3	1.3	2.0	1.4	1.5

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-27-1-9. Old River at Tracy Blvd, Monthly Averaged Daily Maximum Elevation

Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	2.6	3.5	3.9	4.2	4.7	4.7	4.3	3.8	3.8	3.4	2.8	3.2
20%	2.3	2.4	2.9	3.4	3.8	3.8	3.5	3.2	3.6	2.7	2.7	2.6
30%	2.3	2.3	2.7	3.0	3.4	3.1	2.9	3.0	3.2	2.5	2.6	2.5
40%	2.3	2.3	2.5	2.9	3.1	2.9	2.8	2.8	2.5	2.1	2.5	2.5
50%	2.2	2.2	2.5	2.9	2.8	2.8	2.7	2.8	2.5	2.1	2.4	2.4
60%	2.1	2.2	2.4	2.8	2.7	2.7	2.7	2.6	2.4	2.0	2.3	2.4
70%	2.1	2.1	2.3	2.6	2.5	2.5	2.6	2.5	2.3	2.0	2.3	2.3
80%	2.1	2.0	2.2	2.5	2.5	2.4	2.6	2.5	2.3	1.9	2.2	2.3
90%	2.1	2.0	2.2	2.4	2.4	2.1	2.3	2.4	2.2	1.8	2.1	2.2
Long Term												
Full Simulation Period[a]	2.3	2.5	2.8	3.1	3.3	3.3	3.0	3.0	2.9	2.4	2.5	2.6
Water Year Types[b]												
Wet (31%)	2.6	3.4	3.8	4.0	4.6	5.2	4.1	3.9	4.0	3.4	3.0	3.2
Above Normal (25%)	2.2	2.0	2.3	3.8	4.2	3.5	3.3	3.1	3.6	3.0	2.5	2.3
Below Normal (6%)	1.9	2.1	2.2	2.9	2.9	3.0	2.9	2.9	2.5	1.9	2.2	2.2
Dry (13%)	2.2	2.2	2.4	2.5	2.5	2.6	2.6	2.6	2.4	2.0	2.2	2.3
Critical (25%)	2.2	2.3	2.5	2.6	2.6	2.3	2.5	2.4	2.3	1.9	2.4	2.5

Alternative 5 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	4.3	4.8	5.1	5.5	5.8	5.9	5.3	4.9	4.1	4.1	4.2	4.7
20%	4.2	4.1	4.0	4.6	4.9	5.2	4.7	4.4	4.0	4.0	4.1	4.3
30%	4.0	4.0	4.0	4.3	4.7	4.4	4.1	4.3	3.9	3.9	4.0	4.2
40%	3.7	3.9	4.0	4.2	4.1	4.1	4.0	4.1	3.8	3.9	4.0	4.0
50%	3.7	3.8	4.0	4.2	4.1	4.1	3.9	4.0	3.7	3.8	3.8	3.9
60%	3.7	3.7	3.8	4.1	4.0	4.0	3.9	3.9	3.7	3.7	3.7	3.9
70%	3.6	3.7	3.7	4.1	3.8	3.8	3.8	3.9	3.7	3.7	3.7	3.9
80%	3.6	3.6	3.5	4.0	3.8	3.7	3.8	3.8	3.6	3.6	3.7	3.9
90%	3.6	3.5	3.5	3.8	3.7	3.5	3.6	3.7	3.6	3.5	3.6	3.7
Long Term												
Full Simulation Period[a]	3.9	4.0	4.1	4.5	4.6	4.6	4.2	4.2	3.9	3.8	3.9	4.1
Water Year Types[b]												
Wet (31%)	4.1	4.6	5.1	5.2	5.7	6.5	5.2	4.9	4.5	4.2	4.1	4.7
Above Normal (25%)	3.6	3.4	3.9	5.1	5.5	4.8	4.5	4.5	3.9	3.8	3.9	4.1
Below Normal (6%)	3.6	4.1	3.5	4.3	4.1	4.1	4.1	4.1	3.7	3.4	3.7	3.7
Dry (13%)	3.9	3.9	3.7	3.9	3.9	3.9	3.8	3.9	3.8	3.7	3.8	3.9
Critical (25%)	3.8	3.8	3.9	4.0	3.9	3.6	3.7	3.8	3.6	3.7	3.8	3.9

Alternative 5 (LLT) minus Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.7	1.3	1.3	1.3	1.1	1.2	1.0	1.1	0.3	0.7	1.4	1.6
20%	1.9	1.7	1.2	1.2	1.1	1.3	1.2	1.1	0.4	1.2	1.4	1.7
30%	1.6	1.7	1.3	1.3	1.3	1.3	1.2	1.3	0.7	1.4	1.4	1.6
40%	1.4	1.6	1.5	1.3	1.0	1.3	1.2	1.3	1.3	1.7	1.5	1.5
50%	1.5	1.6	1.5	1.3	1.3	1.2	1.2	1.3	1.3	1.7	1.4	1.5
60%	1.5	1.6	1.4	1.3	1.3	1.3	1.2	1.3	1.3	1.7	1.4	1.5
70%	1.5	1.6	1.5	1.5	1.3	1.3	1.2	1.4	1.3	1.7	1.4	1.6
80%	1.5	1.6	1.3	1.4	1.3	1.3	1.2	1.3	1.3	1.8	1.5	1.5
90%	1.5	1.5	1.3	1.4	1.3	1.4	1.2	1.4	1.4	1.7	1.5	1.5
Long Term												
Full Simulation Period[a]	1.6	1.5	1.4	1.4	1.2	1.3	1.2	1.3	1.0	1.4	1.4	1.5
Water Year Types[b]												
Wet (31%)	1.5	1.2	1.3	1.2	1.1	1.2	1.1	1.1	0.5	0.8	1.1	1.5
Above Normal (25%)	1.4	1.3	1.6	1.4	1.4	1.3	1.2	1.4	0.2	0.8	1.3	1.8
Below Normal (6%)	1.8	2.0	1.3	1.3	1.2	1.2	1.2	1.2	1.2	1.5	1.5	1.5
Dry (13%)	1.7	1.8	1.3	1.4	1.3	1.3	1.2	1.3	1.4	1.7	1.6	1.6
Critical (25%)	1.6	1.5	1.4	1.4	1.3	1.3	1.2	1.4	1.3	1.9	1.5	1.4

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-27-1-10. Old River at Tracy Blvd, Monthly Averaged Daily Maximum Elevation

Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	2.6	3.5	3.9	4.2	4.7	4.7	4.3	3.8	3.8	3.4	2.8	3.2
20%	2.3	2.4	2.9	3.4	3.8	3.8	3.5	3.2	3.6	2.7	2.7	2.6
30%	2.3	2.3	2.7	3.0	3.4	3.1	2.9	3.0	3.2	2.5	2.6	2.5
40%	2.3	2.3	2.5	2.9	3.1	2.9	2.8	2.8	2.5	2.1	2.5	2.5
50%	2.2	2.2	2.5	2.9	2.8	2.8	2.7	2.8	2.5	2.1	2.4	2.4
60%	2.1	2.2	2.4	2.8	2.7	2.7	2.7	2.6	2.4	2.0	2.3	2.4
70%	2.1	2.1	2.3	2.6	2.5	2.5	2.6	2.5	2.3	2.0	2.3	2.3
80%	2.1	2.0	2.2	2.5	2.5	2.4	2.6	2.5	2.3	1.9	2.2	2.3
90%	2.1	2.0	2.2	2.4	2.4	2.1	2.3	2.4	2.2	1.8	2.1	2.2
Long Term												
Full Simulation Period[a]	2.3	2.5	2.8	3.1	3.3	3.3	3.0	3.0	2.9	2.4	2.5	2.6
Water Year Types[b]												
Wet (31%)	2.6	3.4	3.8	4.0	4.6	5.2	4.1	3.9	4.0	3.4	3.0	3.2
Above Normal (25%)	2.2	2.0	2.3	3.8	4.2	3.5	3.3	3.1	3.6	3.0	2.5	2.3
Below Normal (6%)	1.9	2.1	2.2	2.9	2.9	3.0	2.9	2.9	2.5	1.9	2.2	2.2
Dry (13%)	2.2	2.2	2.4	2.5	2.5	2.6	2.6	2.6	2.4	2.0	2.2	2.3
Critical (25%)	2.2	2.3	2.5	2.6	2.6	2.3	2.5	2.4	2.3	1.9	2.4	2.5

Alternative 6A,6B,6C (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	4.7	5.1	5.5	5.8	6.2	6.3	5.6	5.1	4.7	4.8	4.7	4.9
20%	4.4	4.5	4.7	5.0	5.4	5.3	4.9	4.6	4.5	4.6	4.6	4.7
30%	4.4	4.5	4.5	4.8	5.1	4.9	4.3	4.5	4.5	4.5	4.6	4.5
40%	4.3	4.3	4.5	4.6	4.7	4.6	4.2	4.4	4.3	4.5	4.5	4.5
50%	4.3	4.3	4.4	4.5	4.4	4.3	4.2	4.3	4.3	4.5	4.5	4.5
60%	4.2	4.3	4.4	4.4	4.3	4.2	4.1	4.2	4.2	4.5	4.4	4.4
70%	4.2	4.2	4.3	4.4	4.2	4.1	4.1	4.2	4.2	4.4	4.4	4.3
80%	4.2	4.2	4.3	4.3	4.2	4.0	4.0	4.1	4.1	4.3	4.3	4.3
90%	4.2	4.1	4.2	4.2	4.1	3.9	3.8	4.0	4.1	4.2	4.3	4.3
Long Term												
Full Simulation Period[a]	4.4	4.5	4.7	4.8	4.9	4.9	4.5	4.5	4.4	4.5	4.5	4.5
Water Year Types[b]												
Wet (31%)	4.6	5.0	5.6	5.5	6.2	6.8	5.4	5.2	4.9	4.9	4.8	5.0
Above Normal (25%)	4.1	4.1	4.4	5.5	5.9	5.2	4.7	4.7	4.4	4.5	4.5	4.4
Below Normal (6%)	4.2	4.3	4.2	4.8	4.7	4.7	4.3	4.4	4.2	4.2	4.3	4.3
Dry (13%)	4.3	4.3	4.4	4.3	4.2	4.2	4.1	4.2	4.3	4.5	4.4	4.4
Critical (25%)	4.3	4.3	4.4	4.3	4.2	3.9	3.9	4.1	4.1	4.4	4.4	4.4

Alternative 6A,6B,6C (LLT) minus Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	2.1	1.5	1.7	1.6	1.6	1.6	1.3	1.3	0.8	1.4	1.9	1.8
20%	2.1	2.1	1.8	1.6	1.6	1.4	1.4	1.4	1.0	1.9	1.9	2.1
30%	2.1	2.2	1.9	1.8	1.7	1.8	1.4	1.6	1.2	2.0	2.0	2.0
40%	2.0	2.1	2.0	1.6	1.6	1.7	1.4	1.5	1.8	2.4	2.1	2.0
50%	2.0	2.1	2.0	1.6	1.6	1.5	1.4	1.6	1.8	2.4	2.1	2.1
60%	2.1	2.2	2.0	1.6	1.6	1.6	1.5	1.6	1.8	2.5	2.1	2.0
70%	2.1	2.1	2.1	1.7	1.7	1.6	1.5	1.7	1.9	2.5	2.1	2.0
80%	2.1	2.2	2.0	1.7	1.8	1.5	1.5	1.7	1.9	2.5	2.1	2.0
90%	2.1	2.1	2.0	1.8	1.7	1.8	1.5	1.6	1.9	2.4	2.2	2.1
Long Term												
Full Simulation Period[a]	2.1	2.0	1.9	1.7	1.6	1.6	1.4	1.5	1.5	2.1	2.0	2.0
Water Year Types[b]												
Wet (31%)	2.0	1.6	1.8	1.6	1.5	1.6	1.3	1.3	1.0	1.5	1.7	1.7
Above Normal (25%)	2.0	2.1	2.1	1.8	1.8	1.7	1.4	1.6	0.8	1.5	2.0	2.1
Below Normal (6%)	2.3	2.2	2.0	1.9	1.8	1.7	1.4	1.4	1.7	2.3	2.0	2.1
Dry (13%)	2.1	2.1	2.0	1.8	1.7	1.6	1.5	1.7	1.9	2.5	2.3	2.1
Critical (25%)	2.0	2.0	1.9	1.7	1.6	1.6	1.4	1.6	1.9	2.5	2.0	1.9

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-27-1-11. Old River at Tracy Blvd, Monthly Averaged Daily Maximum Elevation

Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	2.6	3.5	3.9	4.2	4.7	4.7	4.3	3.8	3.8	3.4	2.8	3.2
20%	2.3	2.4	2.9	3.4	3.8	3.8	3.5	3.2	3.6	2.7	2.7	2.6
30%	2.3	2.3	2.7	3.0	3.4	3.1	2.9	3.0	3.2	2.5	2.6	2.5
40%	2.3	2.3	2.5	2.9	3.1	2.9	2.8	2.8	2.5	2.1	2.5	2.5
50%	2.2	2.2	2.5	2.9	2.8	2.8	2.7	2.8	2.5	2.1	2.4	2.4
60%	2.1	2.2	2.4	2.8	2.7	2.7	2.7	2.6	2.4	2.0	2.3	2.4
70%	2.1	2.1	2.3	2.6	2.5	2.5	2.6	2.5	2.3	2.0	2.3	2.3
80%	2.1	2.0	2.2	2.5	2.5	2.4	2.6	2.5	2.3	1.9	2.2	2.3
90%	2.1	2.0	2.2	2.4	2.4	2.1	2.3	2.4	2.2	1.8	2.1	2.2
Long Term												
Full Simulation Period[a]	2.3	2.5	2.8	3.1	3.3	3.3	3.0	3.0	2.9	2.4	2.5	2.6
Water Year Types[b]												
Wet (31%)	2.6	3.4	3.8	4.0	4.6	5.2	4.1	3.9	4.0	3.4	3.0	3.2
Above Normal (25%)	2.2	2.0	2.3	3.8	4.2	3.5	3.3	3.1	3.6	3.0	2.5	2.3
Below Normal (6%)	1.9	2.1	2.2	2.9	2.9	3.0	2.9	2.9	2.5	1.9	2.2	2.2
Dry (13%)	2.2	2.2	2.4	2.5	2.5	2.6	2.6	2.6	2.4	2.0	2.2	2.3
Critical (25%)	2.2	2.3	2.5	2.6	2.6	2.3	2.5	2.4	2.3	1.9	2.4	2.5

Alternative 7 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	4.7	5.1	5.3	5.7	5.8	6.0	5.6	5.1	4.7	4.2	4.2	5.0
20%	4.4	4.5	4.7	4.9	5.1	5.3	4.9	4.6	4.5	4.1	4.1	4.7
30%	4.4	4.5	4.5	4.7	4.9	4.7	4.3	4.5	4.5	4.0	4.1	4.4
40%	4.3	4.3	4.5	4.5	4.5	4.4	4.2	4.4	4.3	3.9	4.0	4.2
50%	4.2	4.3	4.4	4.5	4.4	4.3	4.2	4.3	4.3	3.9	4.0	4.1
60%	4.2	4.3	4.4	4.4	4.3	4.2	4.1	4.2	4.2	3.9	4.0	4.1
70%	4.2	4.3	4.3	4.4	4.2	4.1	4.1	4.2	4.2	3.8	3.9	4.1
80%	4.2	4.2	4.3	4.3	4.2	4.0	4.0	4.1	4.2	3.8	3.9	3.9
90%	4.2	4.1	4.2	4.2	4.1	3.9	3.9	4.0	4.1	3.7	3.8	3.8
Long Term												
Full Simulation Period[a]	4.3	4.5	4.6	4.7	4.8	4.8	4.5	4.5	4.4	4.0	4.0	4.3
Water Year Types[b]												
Wet (31%)	4.6	5.0	5.5	5.4	6.0	6.6	5.4	5.2	4.9	4.3	4.2	5.0
Above Normal (25%)	4.1	4.2	4.4	5.4	5.6	5.1	4.7	4.7	4.4	3.9	3.9	4.4
Below Normal (6%)	4.2	4.3	4.2	4.7	4.5	4.4	4.3	4.4	4.2	3.5	3.8	3.8
Dry (13%)	4.3	4.3	4.4	4.3	4.2	4.2	4.1	4.2	4.3	3.8	4.0	4.0
Critical (25%)	4.3	4.3	4.4	4.3	4.2	3.9	3.9	4.1	4.2	4.0	4.0	4.0

Alternative 7 (LLT) minus Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	2.1	1.5	1.5	1.5	1.1	1.3	1.3	1.3	0.8	0.8	1.4	1.8
20%	2.1	2.1	1.8	1.5	1.3	1.4	1.4	1.4	1.0	1.4	1.5	2.1
30%	2.1	2.2	1.9	1.7	1.5	1.6	1.4	1.6	1.2	1.5	1.5	1.9
40%	2.0	2.1	2.0	1.6	1.4	1.6	1.4	1.5	1.8	1.8	1.6	1.7
50%	2.0	2.1	2.0	1.6	1.6	1.5	1.5	1.6	1.8	1.8	1.6	1.7
60%	2.1	2.1	2.0	1.6	1.6	1.6	1.5	1.6	1.8	1.9	1.6	1.7
70%	2.1	2.1	2.0	1.7	1.7	1.6	1.5	1.7	1.9	1.9	1.6	1.7
80%	2.1	2.2	2.0	1.7	1.7	1.5	1.5	1.7	1.9	1.9	1.7	1.6
90%	2.1	2.1	2.0	1.8	1.7	1.8	1.5	1.6	1.9	1.9	1.7	1.6
Long Term												
Full Simulation Period[a]	2.0	2.0	1.9	1.6	1.5	1.5	1.4	1.6	1.5	1.5	1.5	1.7
Water Year Types[b]												
Wet (31%)	2.0	1.6	1.6	1.4	1.3	1.4	1.4	1.3	0.9	0.9	1.2	1.7
Above Normal (25%)	2.0	2.1	2.1	1.6	1.4	1.5	1.4	1.6	0.8	0.9	1.4	2.1
Below Normal (6%)	2.3	2.2	2.0	1.7	1.6	1.5	1.4	1.4	1.7	1.6	1.5	1.7
Dry (13%)	2.1	2.1	2.0	1.8	1.7	1.6	1.5	1.7	1.9	1.8	1.8	1.7
Critical (25%)	2.0	2.0	1.9	1.7	1.6	1.6	1.5	1.6	1.9	2.1	1.6	1.6

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-27-1-12. Old River at Tracy Blvd, Monthly Averaged Daily Maximum Elevation

Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	2.6	3.5	3.9	4.2	4.7	4.7	4.3	3.8	3.8	3.4	2.8	3.2
20%	2.3	2.4	2.9	3.4	3.8	3.8	3.5	3.2	3.6	2.7	2.7	2.6
30%	2.3	2.3	2.7	3.0	3.4	3.1	2.9	3.0	3.2	2.5	2.6	2.5
40%	2.3	2.3	2.5	2.9	3.1	2.9	2.8	2.8	2.5	2.1	2.5	2.5
50%	2.2	2.2	2.5	2.9	2.8	2.8	2.7	2.8	2.5	2.1	2.4	2.4
60%	2.1	2.2	2.4	2.8	2.7	2.7	2.7	2.6	2.4	2.0	2.3	2.4
70%	2.1	2.1	2.3	2.6	2.5	2.5	2.6	2.5	2.3	2.0	2.3	2.3
80%	2.1	2.0	2.2	2.5	2.5	2.4	2.6	2.5	2.3	1.9	2.2	2.3
90%	2.1	2.0	2.2	2.4	2.4	2.1	2.3	2.4	2.2	1.8	2.1	2.2
Long Term												
Full Simulation Period[a]	2.3	2.5	2.8	3.1	3.3	3.3	3.0	3.0	2.9	2.4	2.5	2.6
Water Year Types[b]												
Wet (31%)	2.6	3.4	3.8	4.0	4.6	5.2	4.1	3.9	4.0	3.4	3.0	3.2
Above Normal (25%)	2.2	2.0	2.3	3.8	4.2	3.5	3.3	3.1	3.6	3.0	2.5	2.3
Below Normal (6%)	1.9	2.1	2.2	2.9	2.9	3.0	2.9	2.9	2.5	1.9	2.2	2.2
Dry (13%)	2.2	2.2	2.4	2.5	2.5	2.6	2.6	2.6	2.4	2.0	2.2	2.3
Critical (25%)	2.2	2.3	2.5	2.6	2.6	2.3	2.5	2.4	2.3	1.9	2.4	2.5

Alternative 8 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	4.7	5.1	5.4	5.6	5.9	6.0	5.6	5.1	4.7	4.5	4.2	5.0
20%	4.4	4.5	4.7	4.9	5.2	5.3	4.9	4.6	4.5	4.4	4.1	4.7
30%	4.4	4.5	4.5	4.7	4.9	4.7	4.3	4.5	4.5	4.3	4.1	4.4
40%	4.3	4.3	4.5	4.6	4.5	4.5	4.2	4.4	4.3	4.3	4.1	4.3
50%	4.2	4.3	4.4	4.5	4.4	4.3	4.2	4.3	4.3	4.2	4.0	4.2
60%	4.2	4.3	4.4	4.4	4.3	4.3	4.1	4.2	4.2	4.1	4.0	4.1
70%	4.2	4.3	4.3	4.4	4.2	4.1	4.1	4.2	4.2	4.0	4.0	4.1
80%	4.2	4.2	4.3	4.3	4.2	4.0	4.0	4.1	4.2	3.9	3.9	4.0
90%	4.2	4.1	4.2	4.2	4.1	3.9	3.9	4.0	4.1	3.8	3.8	3.9
Long Term												
Full Simulation Period[a]	4.3	4.5	4.6	4.7	4.8	4.8	4.5	4.5	4.4	4.2	4.0	4.3
Water Year Types[b]												
Wet (31%)	4.6	5.0	5.4	5.4	5.9	6.7	5.5	5.2	4.9	4.5	4.2	5.0
Above Normal (25%)	4.1	4.1	4.4	5.3	5.7	5.1	4.7	4.7	4.4	4.2	4.0	4.4
Below Normal (6%)	4.2	4.3	4.2	4.7	4.5	4.5	4.3	4.4	4.2	3.8	3.7	3.9
Dry (13%)	4.3	4.3	4.4	4.3	4.2	4.2	4.1	4.2	4.3	4.2	4.0	4.0
Critical (25%)	4.3	4.3	4.4	4.3	4.2	3.9	3.9	4.1	4.2	4.0	4.0	4.1

Alternative 8 (LLT) minus Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	2.1	1.6	1.5	1.4	1.2	1.3	1.3	1.3	0.8	1.1	1.4	1.8
20%	2.1	2.1	1.8	1.5	1.4	1.4	1.4	1.4	1.0	1.7	1.4	2.1
30%	2.1	2.2	1.8	1.7	1.5	1.6	1.4	1.6	1.2	1.8	1.5	1.9
40%	2.0	2.1	2.0	1.6	1.5	1.6	1.4	1.6	1.8	2.1	1.6	1.8
50%	2.0	2.1	2.0	1.6	1.6	1.5	1.5	1.6	1.8	2.1	1.6	1.7
60%	2.1	2.1	2.0	1.6	1.6	1.6	1.5	1.6	1.8	2.1	1.7	1.7
70%	2.1	2.1	2.0	1.7	1.7	1.6	1.5	1.7	1.9	2.1	1.7	1.7
80%	2.1	2.2	2.0	1.7	1.7	1.6	1.5	1.7	1.9	2.1	1.7	1.7
90%	2.1	2.1	2.0	1.8	1.7	1.8	1.5	1.7	1.9	2.0	1.7	1.7
Long Term												
Full Simulation Period[a]	2.0	2.0	1.9	1.6	1.5	1.5	1.4	1.6	1.5	1.7	1.5	1.8
Water Year Types[b]												
Wet (31%)	2.0	1.6	1.6	1.4	1.3	1.4	1.4	1.4	0.9	1.1	1.2	1.8
Above Normal (25%)	2.0	2.1	2.1	1.5	1.5	1.5	1.4	1.6	0.8	1.2	1.4	2.1
Below Normal (6%)	2.3	2.2	2.0	1.7	1.6	1.5	1.4	1.5	1.7	1.9	1.5	1.7
Dry (13%)	2.1	2.1	2.0	1.8	1.7	1.6	1.5	1.7	1.9	2.2	1.8	1.7
Critical (25%)	2.0	2.0	1.9	1.7	1.6	1.6	1.5	1.6	1.9	2.1	1.6	1.6

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-27-1-13. Old River at Tracy Blvd, Monthly Averaged Daily Maximum Elevation

Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	2.6	3.5	3.9	4.2	4.7	4.7	4.3	3.8	3.8	3.4	2.8	3.2
20%	2.3	2.4	2.9	3.4	3.8	3.8	3.5	3.2	3.6	2.7	2.7	2.6
30%	2.3	2.3	2.7	3.0	3.4	3.1	2.9	3.0	3.2	2.5	2.6	2.5
40%	2.3	2.3	2.5	2.9	3.1	2.9	2.8	2.8	2.5	2.1	2.5	2.5
50%	2.2	2.2	2.5	2.9	2.8	2.8	2.7	2.8	2.5	2.1	2.4	2.4
60%	2.1	2.2	2.4	2.8	2.7	2.7	2.7	2.6	2.4	2.0	2.3	2.4
70%	2.1	2.1	2.3	2.6	2.5	2.5	2.6	2.5	2.3	2.0	2.3	2.3
80%	2.1	2.0	2.2	2.5	2.5	2.4	2.6	2.5	2.3	1.9	2.2	2.3
90%	2.1	2.0	2.2	2.4	2.4	2.1	2.3	2.4	2.2	1.8	2.1	2.2
Long Term												
Full Simulation Period[a]	2.3	2.5	2.8	3.1	3.3	3.3	3.0	3.0	2.9	2.4	2.5	2.6
Water Year Types[b]												
Wet (31%)	2.6	3.4	3.8	4.0	4.6	5.2	4.1	3.9	4.0	3.4	3.0	3.2
Above Normal (25%)	2.2	2.0	2.3	3.8	4.2	3.5	3.3	3.1	3.6	3.0	2.5	2.3
Below Normal (6%)	1.9	2.1	2.2	2.9	2.9	3.0	2.9	2.9	2.5	1.9	2.2	2.2
Dry (13%)	2.2	2.2	2.4	2.5	2.5	2.6	2.6	2.6	2.4	2.0	2.2	2.3
Critical (25%)	2.2	2.3	2.5	2.6	2.6	2.3	2.5	2.4	2.3	1.9	2.4	2.5

Alternative 9 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	4.8	5.1	5.4	5.8	6.3	6.1	5.6	5.2	4.8	4.8	4.7	5.1
20%	4.6	4.7	4.7	5.1	5.5	5.3	4.9	5.0	4.7	4.7	4.6	4.8
30%	4.4	4.5	4.5	5.0	5.2	5.1	4.6	4.7	4.6	4.6	4.6	4.5
40%	4.4	4.4	4.5	4.7	4.9	4.9	4.4	4.6	4.3	4.4	4.5	4.5
50%	4.4	4.4	4.4	4.6	4.5	4.4	4.3	4.5	4.3	4.4	4.4	4.5
60%	4.3	4.3	4.4	4.5	4.4	4.3	4.3	4.3	4.2	4.3	4.4	4.5
70%	4.3	4.3	4.3	4.4	4.3	4.2	4.1	4.3	4.1	4.3	4.3	4.3
80%	4.2	4.2	4.2	4.3	4.3	4.0	4.1	4.2	4.1	4.2	4.2	4.3
90%	4.2	4.1	4.2	4.2	4.1	3.9	3.9	4.0	4.0	4.1	4.1	4.2
Long Term												
Full Simulation Period[a]	4.4	4.5	4.7	4.9	5.0	5.0	4.5	4.6	4.4	4.5	4.5	4.6
Water Year Types[b]												
Wet (31%)	4.7	4.9	5.5	5.6	6.2	6.9	5.5	5.4	5.0	4.9	4.8	5.2
Above Normal (25%)	4.1	4.2	4.4	5.6	6.0	5.3	4.8	4.9	4.6	4.7	4.5	4.5
Below Normal (6%)	4.3	4.4	4.2	5.0	4.9	4.9	4.5	4.7	4.3	4.1	4.3	4.3
Dry (13%)	4.5	4.4	4.4	4.4	4.3	4.3	4.2	4.3	4.2	4.3	4.4	4.4
Critical (25%)	4.3	4.3	4.4	4.3	4.2	3.9	3.9	4.1	4.0	4.2	4.3	4.3

Alternative 9 (LLT) minus Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	2.1	1.5	1.6	1.7	1.6	1.5	1.3	1.4	1.0	1.4	1.9	1.9
20%	2.3	2.2	1.8	1.7	1.7	1.4	1.4	1.7	1.2	2.0	1.9	2.2
30%	2.1	2.2	1.9	2.0	1.8	2.0	1.7	1.7	1.3	2.1	2.0	2.0
40%	2.1	2.2	2.0	1.7	1.8	2.0	1.7	1.8	1.8	2.3	2.0	2.0
50%	2.1	2.2	2.0	1.7	1.6	1.5	1.6	1.7	1.8	2.3	2.0	2.1
60%	2.2	2.2	2.0	1.7	1.7	1.7	1.6	1.7	1.8	2.3	2.0	2.1
70%	2.2	2.2	2.0	1.7	1.8	1.7	1.5	1.8	1.8	2.3	2.0	2.0
80%	2.1	2.2	2.0	1.7	1.8	1.6	1.5	1.8	1.8	2.3	2.0	2.0
90%	2.1	2.1	2.0	1.8	1.7	1.8	1.5	1.6	1.8	2.3	2.1	2.0
Long Term												
Full Simulation Period[a]	2.1	2.0	1.9	1.8	1.7	1.7	1.5	1.7	1.5	2.0	2.0	2.0
Water Year Types[b]												
Wet (31%)	2.1	1.5	1.7	1.6	1.6	1.7	1.4	1.5	1.1	1.5	1.8	1.9
Above Normal (25%)	2.0	2.1	2.1	1.9	1.9	1.8	1.5	1.7	1.0	1.7	2.0	2.2
Below Normal (6%)	2.4	2.3	2.1	2.0	1.9	1.9	1.6	1.7	1.8	2.2	2.0	2.1
Dry (13%)	2.2	2.2	2.0	1.9	1.8	1.7	1.6	1.7	1.8	2.3	2.2	2.1
Critical (25%)	2.1	2.1	1.9	1.7	1.6	1.6	1.5	1.7	1.7	2.3	1.9	1.9

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-27-1-14. Old River at Tracy Blvd, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.4	5.0	5.6	6.0	6.2	6.2	5.8	5.3	4.5	4.5	4.4	4.7
20%	4.3	4.1	4.6	5.2	5.3	5.5	5.1	4.8	4.4	4.3	4.3	4.6
30%	4.2	4.0	4.5	4.8	5.1	4.7	4.5	4.7	4.3	4.2	4.2	4.3
40%	4.1	4.0	4.5	4.7	4.6	4.5	4.4	4.5	4.2	4.1	4.1	4.2
50%	4.0	3.9	4.4	4.6	4.5	4.5	4.3	4.4	4.1	4.0	4.1	4.1
60%	3.9	3.9	4.3	4.6	4.4	4.4	4.3	4.4	4.1	3.9	4.1	4.1
70%	3.9	3.8	4.2	4.4	4.2	4.3	4.3	4.3	4.1	3.8	4.0	4.1
80%	3.8	3.7	4.1	4.3	4.2	4.1	4.2	4.2	4.0	3.8	3.9	4.0
90%	3.8	3.6	3.8	4.2	4.2	3.8	4.0	4.1	4.0	3.7	3.9	3.7
Long Term												
Full Simulation Period[a]	4.1	4.1	4.6	4.9	4.9	4.9	4.6	4.6	4.3	4.1	4.1	4.2
Water Year Types[b]												
Wet (31%)	4.3	4.7	5.6	5.6	6.1	6.7	5.5	5.3	4.8	4.6	4.3	4.8
Above Normal (25%)	4.0	3.6	4.3	5.7	5.9	5.2	4.9	4.9	4.2	4.2	4.0	4.1
Below Normal (6%)	3.7	3.9	3.8	4.7	4.5	4.5	4.5	4.5	4.1	3.5	3.9	3.7
Dry (13%)	4.1	3.9	4.2	4.3	4.2	4.3	4.2	4.3	4.2	3.8	4.0	4.1
Critical (25%)	4.0	4.0	4.4	4.4	4.3	4.0	4.1	4.2	4.0	4.0	4.2	4.1

Alternative 1A,1B,1C (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.4	4.8	5.5	5.8	6.2	6.3	5.6	4.8	4.5	4.4	4.4	4.6
20%	4.1	4.1	4.3	4.9	5.4	5.3	4.6	4.3	4.3	4.3	4.3	4.4
30%	4.0	4.0	4.1	4.6	5.1	4.9	4.0	4.2	4.2	4.2	4.2	4.2
40%	3.9	3.9	4.1	4.3	4.5	4.6	3.9	4.0	4.1	4.2	4.2	4.2
50%	3.9	3.9	4.0	4.2	4.1	4.1	3.9	4.0	4.1	4.1	4.1	4.1
60%	3.8	3.9	3.8	4.1	4.0	4.0	3.8	3.9	3.9	4.1	4.0	4.1
70%	3.8	3.8	3.8	4.1	3.9	3.9	3.8	3.9	3.9	4.0	4.0	4.1
80%	3.7	3.8	3.7	4.0	3.8	3.7	3.7	3.9	3.9	3.9	3.9	4.1
90%	3.6	3.7	3.5	4.0	3.8	3.5	3.5	3.7	3.8	3.8	3.9	3.9
Long Term												
Full Simulation Period[a]	4.0	4.1	4.3	4.6	4.7	4.8	4.2	4.2	4.2	4.1	4.1	4.2
Water Year Types[b]												
Wet (31%)	4.3	4.8	5.4	5.5	6.2	6.8	5.3	5.0	4.8	4.4	4.4	4.7
Above Normal (25%)	3.8	3.8	3.9	5.5	5.9	5.2	4.5	4.3	4.0	4.1	4.1	4.1
Below Normal (6%)	3.7	3.9	3.5	4.4	4.5	4.7	3.9	4.0	4.2	3.9	3.9	3.8
Dry (13%)	3.9	3.8	3.9	4.0	3.9	3.9	3.8	4.0	4.0	3.9	4.0	4.0
Critical (25%)	3.9	3.9	3.9	4.1	3.9	3.7	3.7	3.8	3.9	4.1	4.0	4.1

Alternative 1A,1B,1C (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.0	-0.2	-0.1	-0.2	0.0	0.0	-0.2	-0.5	0.0	-0.1	0.0	-0.2
20%	-0.2	0.0	-0.3	-0.2	0.1	-0.2	-0.5	-0.5	-0.2	0.0	0.0	-0.2
30%	-0.2	0.0	-0.4	-0.2	0.0	0.2	-0.5	-0.5	-0.2	0.0	0.0	-0.1
40%	-0.2	0.0	-0.4	-0.4	0.0	0.1	-0.4	-0.5	-0.1	0.1	0.0	0.0
50%	-0.1	0.1	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.1	0.2	0.0	0.0
60%	-0.1	0.0	-0.4	-0.5	-0.4	-0.4	-0.5	-0.4	-0.1	0.2	-0.1	0.0
70%	-0.1	0.0	-0.4	-0.4	-0.3	-0.4	-0.5	-0.3	-0.2	0.1	0.0	0.0
80%	-0.1	0.1	-0.5	-0.3	-0.4	-0.4	-0.5	-0.3	-0.2	0.1	0.0	0.1
90%	-0.1	0.1	-0.3	-0.2	-0.4	-0.3	-0.5	-0.4	-0.1	0.1	0.0	0.1
Long Term												
Full Simulation Period[a]	-0.1	0.0	-0.3	-0.3	-0.2	-0.2	-0.4	-0.4	-0.1	0.1	0.0	0.0
Water Year Types[b]												
Wet (31%)	0.0	0.0	-0.2	-0.2	0.1	0.1	-0.2	-0.3	0.0	-0.2	0.1	-0.1
Above Normal (25%)	-0.2	0.2	-0.3	-0.2	0.0	0.0	-0.4	-0.6	-0.2	-0.1	0.1	0.1
Below Normal (6%)	0.0	0.1	-0.3	-0.4	0.0	0.2	-0.6	-0.5	0.1	0.4	0.0	0.2
Dry (13%)	-0.2	-0.1	-0.3	-0.3	-0.3	-0.4	-0.4	-0.3	-0.1	0.1	0.0	0.0
Critical (25%)	-0.1	0.0	-0.5	-0.3	-0.4	-0.3	-0.4	-0.4	-0.2	0.1	-0.2	0.0

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-27-1-15. Old River at Tracy Blvd, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	4.4	5.0	5.6	6.0	6.2	6.2	5.8	5.3	4.5	4.5	4.4	4.7
20%	4.3	4.1	4.6	5.2	5.3	5.5	5.1	4.8	4.4	4.3	4.3	4.6
30%	4.2	4.0	4.5	4.8	5.1	4.7	4.5	4.7	4.3	4.2	4.2	4.3
40%	4.1	4.0	4.5	4.7	4.6	4.5	4.4	4.5	4.2	4.1	4.1	4.2
50%	4.0	3.9	4.4	4.6	4.5	4.5	4.3	4.4	4.1	4.0	4.1	4.1
60%	3.9	3.9	4.3	4.6	4.4	4.4	4.3	4.4	4.1	3.9	4.1	4.1
70%	3.9	3.8	4.2	4.4	4.2	4.3	4.3	4.3	4.1	3.8	4.0	4.1
80%	3.8	3.7	4.1	4.3	4.2	4.1	4.2	4.2	4.0	3.8	3.9	4.0
90%	3.8	3.6	3.8	4.2	4.2	3.8	4.0	4.1	4.0	3.7	3.9	3.7
Long Term												
Full Simulation Period[a]	4.1	4.1	4.6	4.9	4.9	4.9	4.6	4.6	4.3	4.1	4.1	4.2
Water Year Types[b]												
Wet (31%)	4.3	4.7	5.6	5.6	6.1	6.7	5.5	5.3	4.8	4.6	4.3	4.8
Above Normal (25%)	4.0	3.6	4.3	5.7	5.9	5.2	4.9	4.9	4.2	4.2	4.0	4.1
Below Normal (6%)	3.7	3.9	3.8	4.7	4.5	4.5	4.5	4.5	4.1	3.5	3.9	3.7
Dry (13%)	4.1	3.9	4.2	4.3	4.2	4.3	4.2	4.3	4.2	3.8	4.0	4.1
Critical (25%)	4.0	4.0	4.4	4.4	4.3	4.0	4.1	4.2	4.0	4.0	4.2	4.1

Alternative 2A,2B,2C (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	4.3	5.0	5.5	5.8	6.2	6.3	5.6	4.9	4.2	4.1	4.2	4.9
20%	4.0	4.1	4.1	4.8	5.4	5.3	4.7	4.2	4.0	4.0	4.1	4.6
30%	3.9	4.0	4.1	4.5	5.0	4.7	4.0	4.1	3.9	3.9	4.0	4.3
40%	3.8	4.0	4.1	4.2	4.1	4.1	3.9	3.9	3.8	3.9	4.0	4.0
50%	3.8	3.9	4.0	4.2	4.0	4.0	3.9	3.9	3.8	3.8	4.0	4.0
60%	3.7	3.8	3.9	4.1	4.0	3.9	3.8	3.8	3.7	3.8	3.8	4.0
70%	3.7	3.8	3.9	4.1	3.8	3.8	3.8	3.8	3.7	3.8	3.7	3.9
80%	3.7	3.7	3.8	4.1	3.8	3.7	3.7	3.7	3.6	3.7	3.7	3.9
90%	3.6	3.6	3.6	4.0	3.7	3.4	3.5	3.6	3.5	3.6	3.6	3.7
Long Term												
Full Simulation Period[a]	3.9	4.1	4.3	4.6	4.7	4.7	4.2	4.2	3.9	3.9	3.9	4.2
Water Year Types[b]												
Wet (31%)	4.2	4.8	5.4	5.4	6.1	6.8	5.3	5.0	4.6	4.3	4.3	5.0
Above Normal (25%)	3.6	3.6	4.0	5.4	5.8	5.1	4.5	4.4	3.9	3.8	3.9	4.3
Below Normal (6%)	3.7	4.1	3.5	4.2	4.1	4.1	3.9	3.9	3.7	3.7	3.8	3.8
Dry (13%)	3.9	3.9	4.0	4.0	3.8	3.8	3.8	3.8	3.7	3.7	3.8	3.8
Critical (25%)	3.8	3.9	3.9	4.1	3.8	3.6	3.6	3.7	3.6	3.8	3.8	3.9

Alternative 2A,2B,2C (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	**-0.1**	**-0.1**	**-0.1**	**-0.2**	0.0	0.0	**-0.2**	**-0.4**	**-0.3**	**-0.3**	**-0.2**	0.2
20%	**-0.3**	0.0	**-0.5**	**-0.3**	0.1	**-0.2**	**-0.4**	**-0.6**	**-0.4**	**-0.4**	**-0.2**	0.0
30%	**-0.3**	0.1	**-0.5**	**-0.3**	**-0.1**	0.0	**-0.5**	**-0.5**	**-0.4**	**-0.3**	**-0.2**	**0.0**
40%	**-0.3**	**0.0**	**-0.4**	**-0.5**	**-0.5**	**-0.5**	**-0.4**	**-0.6**	**-0.4**	**-0.2**	**-0.1**	**-0.2**
50%	**-0.2**	0.0	**-0.3**	**-0.4**	**-0.5**	**-0.4**	**-0.5**	**-0.5**	**-0.4**	**-0.1**	**-0.1**	**-0.1**
60%	**-0.2**	**-0.1**	**-0.3**	**-0.4**	**-0.4**	**-0.5**	**-0.5**	**-0.5**	**-0.3**	**-0.1**	**-0.3**	**-0.2**
70%	**-0.2**	**-0.1**	**-0.3**	**-0.3**	**-0.4**	**-0.5**	**-0.5**	**-0.5**	**-0.4**	**-0.1**	**-0.3**	**-0.1**
80%	**-0.2**	0.0	**-0.3**	**-0.2**	**-0.4**	**-0.4**	**-0.5**	**-0.5**	**-0.4**	**-0.1**	**-0.3**	**0.0**
90%	**-0.1**	**0.0**	**-0.2**	**-0.2**	**-0.4**	**-0.4**	**-0.5**	**-0.5**	**-0.4**	**-0.1**	**-0.2**	**0.0**
Long Term												
Full Simulation Period[a]	**-0.2**	**0.0**	**-0.3**	**-0.3**	**-0.3**	**-0.3**	**-0.4**	**-0.5**	**-0.4**	**-0.2**	**-0.2**	**0.0**
Water Year Types[b]												
Wet (31%)	**-0.1**	0.0	**-0.1**	**-0.2**	0.1	0.1	**-0.2**	**-0.4**	**-0.2**	**-0.3**	**0.0**	0.2
Above Normal (25%)	**-0.4**	0.0	**-0.3**	**-0.3**	**-0.1**	**0.0**	**-0.4**	**-0.5**	**-0.2**	**-0.4**	**-0.1**	0.2
Below Normal (6%)	**0.0**	0.2	**-0.3**	**-0.5**	**-0.4**	**-0.5**	**-0.6**	**-0.6**	**-0.3**	0.2	**-0.1**	0.1
Dry (13%)	**-0.2**	**0.0**	**-0.2**	**-0.4**	**-0.4**	**-0.5**	**-0.5**	**-0.5**	**-0.4**	**-0.1**	**-0.2**	**-0.2**
Critical (25%)	**-0.2**	**-0.1**	**-0.5**	**-0.3**	**-0.5**	**-0.4**	**-0.5**	**-0.5**	**-0.4**	**-0.2**	**-0.4**	**-0.2**

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-27-1-16. Old River at Tracy Blvd, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.4	5.0	5.6	6.0	6.2	6.2	5.8	5.3	4.5	4.5	4.4	4.7
20%	4.3	4.1	4.6	5.2	5.3	5.5	5.1	4.8	4.4	4.3	4.3	4.6
30%	4.2	4.0	4.5	4.8	5.1	4.7	4.5	4.7	4.3	4.2	4.2	4.3
40%	4.1	4.0	4.5	4.7	4.6	4.5	4.4	4.5	4.2	4.1	4.1	4.2
50%	4.0	3.9	4.4	4.6	4.5	4.5	4.3	4.4	4.1	4.0	4.1	4.1
60%	3.9	3.9	4.3	4.6	4.4	4.4	4.3	4.4	4.1	3.9	4.1	4.1
70%	3.9	3.8	4.2	4.4	4.2	4.3	4.3	4.3	4.1	3.8	4.0	4.1
80%	3.8	3.7	4.1	4.3	4.2	4.1	4.2	4.2	4.0	3.8	3.9	4.0
90%	3.8	3.6	3.8	4.2	4.2	3.8	4.0	4.1	4.0	3.7	3.9	3.7
Long Term												
Full Simulation Period[a]	4.1	4.1	4.6	4.9	4.9	4.9	4.6	4.6	4.3	4.1	4.1	4.2
Water Year Types[b]												
Wet (31%)	4.3	4.7	5.6	5.6	6.1	6.7	5.5	5.3	4.8	4.6	4.3	4.8
Above Normal (25%)	4.0	3.6	4.3	5.7	5.9	5.2	4.9	4.9	4.2	4.2	4.0	4.1
Below Normal (6%)	3.7	3.9	3.8	4.7	4.5	4.5	4.5	4.5	4.1	3.5	3.9	3.7
Dry (13%)	4.1	3.9	4.2	4.3	4.2	4.3	4.2	4.3	4.2	3.8	4.0	4.1
Critical (25%)	4.0	4.0	4.4	4.4	4.3	4.0	4.1	4.2	4.0	4.0	4.2	4.1

Alternative 3 (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.3	4.6	5.2	5.6	6.0	6.0	5.4	4.7	4.3	4.4	4.4	4.4
20%	4.1	4.0	4.2	4.7	5.2	5.3	4.6	4.3	4.2	4.3	4.3	4.2
30%	4.0	4.0	4.1	4.3	4.8	4.7	4.0	4.2	4.2	4.2	4.2	4.2
40%	4.0	4.0	4.0	4.3	4.3	4.3	3.9	4.0	4.1	4.2	4.2	4.1
50%	3.9	3.9	3.9	4.2	4.1	4.1	3.9	4.0	4.0	4.1	4.1	4.1
60%	3.9	3.8	3.9	4.1	4.1	4.0	3.8	3.9	3.9	4.0	4.0	4.0
70%	3.8	3.8	3.8	4.1	3.9	3.9	3.8	3.9	3.9	4.0	3.9	4.0
80%	3.7	3.8	3.8	4.0	3.8	3.7	3.7	3.8	3.9	4.0	3.9	4.0
90%	3.7	3.7	3.5	4.0	3.7	3.5	3.5	3.7	3.8	3.8	3.8	3.9
Long Term												
Full Simulation Period[a]	4.0	4.0	4.2	4.5	4.7	4.7	4.2	4.2	4.1	4.1	4.1	4.1
Water Year Types[b]												
Wet (31%)	4.3	4.6	5.2	5.2	6.0	6.6	5.1	4.9	4.6	4.4	4.4	4.5
Above Normal (25%)	3.8	3.7	4.0	5.3	5.7	5.1	4.4	4.3	3.9	4.1	4.0	4.0
Below Normal (6%)	3.7	3.8	3.5	4.3	4.3	4.5	3.9	4.0	4.2	4.0	3.9	3.8
Dry (13%)	3.9	3.8	3.8	4.0	3.9	3.9	3.8	3.9	4.1	3.9	4.0	4.0
Critical (25%)	3.9	3.9	3.9	4.1	3.9	3.7	3.7	3.8	3.9	4.1	4.0	4.1

Alternative 3 (LLT) minus No Action Alternative (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-0.1	-0.4	-0.3	-0.4	-0.2	-0.2	-0.4	-0.6	-0.2	-0.1	0.0	-0.3
20%	-0.3	-0.1	-0.4	-0.5	-0.1	-0.2	-0.5	-0.5	-0.2	0.0	0.0	-0.4
30%	-0.2	0.0	-0.5	-0.5	-0.3	-0.1	-0.5	-0.5	-0.2	0.0	0.0	-0.1
40%	-0.2	0.0	-0.5	-0.4	-0.2	-0.2	-0.4	-0.5	-0.1	0.1	0.0	-0.1
50%	-0.1	0.0	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.1	0.2	0.0	0.0
60%	0.0	0.0	-0.4	-0.4	-0.3	-0.4	-0.5	-0.4	-0.1	0.1	-0.1	-0.1
70%	-0.1	-0.1	-0.4	-0.3	-0.3	-0.4	-0.5	-0.4	-0.2	0.1	-0.1	0.0
80%	-0.1	0.1	-0.3	-0.3	-0.3	-0.4	-0.5	-0.4	-0.1	0.2	0.0	0.0
90%	-0.1	0.1	-0.3	-0.2	-0.4	-0.3	-0.5	-0.4	-0.1	0.0	0.0	0.1
Long Term												
Full Simulation Period[a]	-0.1	-0.1	-0.4	-0.3	-0.3	-0.2	-0.4	-0.4	-0.2	0.0	0.0	-0.1
Water Year Types[b]												
Wet (31%)	0.0	-0.2	-0.4	-0.4	-0.1	-0.1	-0.4	-0.4	-0.2	-0.2	0.1	-0.3
Above Normal (25%)	-0.3	0.2	-0.3	-0.4	-0.2	-0.1	-0.5	-0.6	-0.2	-0.1	0.1	0.0
Below Normal (6%)	0.0	-0.1	-0.3	-0.4	-0.2	0.0	-0.6	-0.5	0.1	0.4	0.0	0.2
Dry (13%)	-0.2	-0.1	-0.3	-0.3	-0.4	-0.4	-0.4	-0.4	-0.1	0.1	0.0	0.0
Critical (25%)	-0.1	0.0	-0.5	-0.3	-0.4	-0.3	-0.4	-0.4	-0.2	0.2	-0.2	-0.1

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-27-1-17. Old River at Tracy Blvd, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.4	5.0	5.6	6.0	6.2	6.2	5.8	5.3	4.5	4.5	4.4	4.7
20%	4.3	4.1	4.6	5.2	5.3	5.5	5.1	4.8	4.4	4.3	4.3	4.6
30%	4.2	4.0	4.5	4.8	5.1	4.7	4.5	4.7	4.3	4.2	4.2	4.3
40%	4.1	4.0	4.5	4.7	4.6	4.5	4.4	4.5	4.2	4.1	4.1	4.2
50%	4.0	3.9	4.4	4.6	4.5	4.5	4.3	4.4	4.1	4.0	4.1	4.1
60%	3.9	3.9	4.3	4.6	4.4	4.4	4.3	4.4	4.1	3.9	4.1	4.1
70%	3.9	3.8	4.2	4.4	4.2	4.3	4.3	4.3	4.1	3.8	4.0	4.1
80%	3.8	3.7	4.1	4.3	4.2	4.1	4.2	4.2	4.0	3.8	3.9	4.0
90%	3.8	3.6	3.8	4.2	4.2	3.8	4.0	4.1	4.0	3.7	3.9	3.7
Long Term												
Full Simulation Period[a]	4.1	4.1	4.6	4.9	4.9	4.9	4.6	4.6	4.3	4.1	4.1	4.2
Water Year Types[b]												
Wet (31%)	4.3	4.7	5.6	5.6	6.1	6.7	5.5	5.3	4.8	4.6	4.3	4.8
Above Normal (25%)	4.0	3.6	4.3	5.7	5.9	5.2	4.9	4.9	4.2	4.2	4.0	4.1
Below Normal (6%)	3.7	3.9	3.8	4.7	4.5	4.5	4.5	4.5	4.1	3.5	3.9	3.7
Dry (13%)	4.1	3.9	4.2	4.3	4.2	4.3	4.2	4.3	4.2	3.8	4.0	4.1
Critical (25%)	4.0	4.0	4.4	4.4	4.3	4.0	4.1	4.2	4.0	4.0	4.2	4.1

Alternative 4 H1 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.2	4.8	5.3	5.6	6.0	6.1	5.5	4.9	4.2	4.1	4.2	4.5
20%	3.9	3.9	4.2	4.6	5.1	5.3	4.7	4.2	4.1	3.9	4.1	4.1
30%	3.9	3.9	4.1	4.2	4.8	4.7	4.0	4.1	3.9	3.9	4.0	4.0
40%	3.8	3.8	4.1	4.2	4.1	4.2	3.9	3.9	3.9	3.9	4.0	4.0
50%	3.7	3.7	4.1	4.1	4.0	4.0	3.9	3.9	3.8	3.9	3.9	4.0
60%	3.7	3.7	4.0	4.1	4.0	3.9	3.8	3.8	3.7	3.8	3.8	4.0
70%	3.7	3.7	4.0	4.0	3.8	3.8	3.8	3.8	3.7	3.8	3.7	3.9
80%	3.7	3.7	3.8	4.0	3.8	3.7	3.7	3.7	3.6	3.7	3.7	3.9
90%	3.6	3.5	3.6	3.8	3.7	3.5	3.5	3.7	3.5	3.6	3.6	3.8
Long Term												
Full Simulation Period[a]	3.8	4.0	4.3	4.4	4.6	4.7	4.2	4.2	3.9	3.9	3.9	4.1
Water Year Types[b]												
Wet (31%)	4.1	4.8	5.4	5.3	5.9	6.7	5.2	5.0	4.5	4.3	4.2	4.6
Above Normal (25%)	3.6	3.6	3.9	5.1	5.7	5.1	4.4	4.4	3.9	3.8	3.9	4.0
Below Normal (6%)	3.7	3.7	3.5	4.3	4.1	4.2	3.9	3.9	3.9	3.7	3.8	3.8
Dry (13%)	3.8	3.7	4.0	4.0	3.8	3.8	3.8	3.8	3.7	3.7	3.8	3.8
Critical (25%)	3.7	3.7	4.0	3.9	3.8	3.6	3.6	3.7	3.6	3.9	3.8	3.9

Alternative 4 H1 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-0.3	-0.2	-0.3	-0.4	-0.2	-0.2	-0.3	-0.4	-0.3	-0.4	-0.2	-0.2
20%	-0.4	-0.2	-0.4	-0.6	-0.2	-0.2	-0.4	-0.6	-0.4	-0.4	-0.2	-0.5
30%	-0.3	-0.1	-0.4	-0.5	-0.3	-0.1	-0.5	-0.5	-0.4	-0.4	-0.2	-0.3
40%	-0.3	-0.2	-0.4	-0.5	-0.5	-0.3	-0.4	-0.6	-0.4	-0.2	-0.1	-0.2
50%	-0.3	-0.1	-0.3	-0.5	-0.5	-0.5	-0.5	-0.5	-0.4	-0.1	-0.2	-0.2
60%	-0.2	-0.2	-0.2	-0.4	-0.4	-0.5	-0.5	-0.5	-0.4	-0.1	-0.3	-0.2
70%	-0.2	-0.2	-0.3	-0.4	-0.4	-0.5	-0.5	-0.5	-0.4	0.0	-0.3	-0.2
80%	-0.2	0.0	-0.3	-0.3	-0.4	-0.4	-0.5	-0.5	-0.4	-0.1	-0.3	-0.1
90%	-0.2	-0.1	-0.2	-0.3	-0.4	-0.3	-0.5	-0.5	-0.4	-0.2	-0.2	0.0
Long Term												
Full Simulation Period[a]	-0.3	-0.1	-0.3	-0.4	-0.3	-0.3	-0.4	-0.5	-0.4	-0.2	-0.2	-0.2
Water Year Types[b]												
Wet (31%)	-0.2	0.0	-0.2	-0.3	-0.2	0.0	-0.3	-0.4	-0.3	-0.4	-0.1	-0.2
Above Normal (25%)	-0.4	0.0	-0.4	-0.6	-0.2	-0.1	-0.5	-0.5	-0.2	-0.4	-0.1	-0.1
Below Normal (6%)	0.0	-0.2	-0.3	-0.5	-0.4	-0.3	-0.6	-0.6	-0.2	0.2	-0.1	0.1
Dry (13%)	-0.3	-0.3	-0.2	-0.3	-0.4	-0.5	-0.5	-0.5	-0.5	-0.1	-0.2	-0.2
Critical (25%)	-0.3	-0.2	-0.4	-0.5	-0.5	-0.4	-0.5	-0.5	-0.4	-0.1	-0.4	-0.2

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-27-1-18. Old River at Tracy Blvd, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.4	5.0	5.6	6.0	6.2	6.2	5.8	5.3	4.5	4.5	4.4	4.7
20%	4.3	4.1	4.6	5.2	5.3	5.5	5.1	4.8	4.4	4.3	4.3	4.6
30%	4.2	4.0	4.5	4.8	5.1	4.7	4.5	4.7	4.3	4.2	4.2	4.3
40%	4.1	4.0	4.5	4.7	4.6	4.5	4.4	4.5	4.2	4.1	4.1	4.2
50%	4.0	3.9	4.4	4.6	4.5	4.5	4.3	4.4	4.1	4.0	4.1	4.1
60%	3.9	3.9	4.3	4.6	4.4	4.4	4.3	4.4	4.1	3.9	4.1	4.1
70%	3.9	3.8	4.2	4.4	4.2	4.3	4.3	4.3	4.1	3.8	4.0	4.1
80%	3.8	3.7	4.1	4.3	4.2	4.1	4.2	4.2	4.0	3.8	3.9	4.0
90%	3.8	3.6	3.8	4.2	4.2	3.8	4.0	4.1	4.0	3.7	3.9	3.7
Long Term												
Full Simulation Period[a]	4.1	4.1	4.6	4.9	4.9	4.9	4.6	4.6	4.3	4.1	4.1	4.2
Water Year Types[b]												
Wet (31%)	4.3	4.7	5.6	5.6	6.1	6.7	5.5	5.3	4.8	4.6	4.3	4.8
Above Normal (25%)	4.0	3.6	4.3	5.7	5.9	5.2	4.9	4.9	4.2	4.2	4.0	4.1
Below Normal (6%)	3.7	3.9	3.8	4.7	4.5	4.5	4.5	4.5	4.1	3.5	3.9	3.7
Dry (13%)	4.1	3.9	4.2	4.3	4.2	4.3	4.2	4.3	4.2	3.8	4.0	4.1
Critical (25%)	4.0	4.0	4.4	4.4	4.3	4.0	4.1	4.2	4.0	4.0	4.2	4.1

Alternative 4 H2 (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.2	4.8	5.3	5.6	6.0	6.2	5.5	4.9	4.3	4.3	4.2	4.5
20%	3.9	3.9	4.2	4.6	5.2	5.3	4.7	4.3	4.2	4.2	4.1	4.3
30%	3.9	3.9	4.1	4.3	4.9	4.7	4.1	4.2	4.0	4.0	4.0	4.0
40%	3.8	3.8	4.1	4.2	4.1	4.1	4.1	4.0	3.8	3.9	4.0	4.0
50%	3.7	3.7	4.1	4.1	4.0	4.0	4.0	4.0	3.8	3.9	3.9	4.0
60%	3.7	3.7	4.0	4.1	4.0	3.9	3.9	4.0	3.8	3.8	3.9	3.9
70%	3.7	3.7	3.9	4.0	3.8	3.8	3.8	3.8	3.7	3.8	3.7	3.9
80%	3.6	3.6	3.8	4.0	3.8	3.7	3.7	3.7	3.7	3.8	3.7	3.9
90%	3.6	3.5	3.8	3.9	3.7	3.5	3.6	3.6	3.6	3.7	3.6	3.8
Long Term												
Full Simulation Period[a]	3.8	3.9	4.3	4.5	4.6	4.7	4.3	4.2	4.0	4.0	3.9	4.1
Water Year Types[b]												
Wet (31%)	4.2	4.7	5.3	5.3	5.9	6.7	5.3	5.0	4.7	4.4	4.2	4.7
Above Normal (25%)	3.7	3.6	4.0	5.1	5.8	5.1	4.5	4.4	3.9	4.1	3.9	4.0
Below Normal (6%)	3.6	3.7	3.8	4.3	4.1	4.1	3.9	4.0	3.7	3.7	3.9	3.8
Dry (13%)	3.8	3.7	4.0	4.0	3.8	3.8	3.9	3.8	3.8	3.7	3.8	3.9
Critical (25%)	3.7	3.7	4.0	4.0	3.8	3.6	3.7	3.8	3.6	3.9	3.8	3.9

Alternative 4 H2 (LLT) minus No Action Alternative (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-0.3	-0.2	-0.3	-0.4	-0.2	-0.1	-0.2	-0.4	-0.2	-0.2	-0.2	-0.2
20%	-0.4	-0.2	-0.5	-0.6	-0.1	-0.2	-0.4	-0.5	-0.2	-0.1	-0.2	-0.3
30%	-0.3	-0.1	-0.4	-0.5	-0.2	-0.1	-0.4	-0.5	-0.4	-0.2	-0.2	-0.3
40%	-0.3	-0.2	-0.4	-0.5	-0.5	-0.4	-0.3	-0.4	-0.4	-0.1	-0.1	-0.2
50%	-0.3	-0.2	-0.3	-0.5	-0.5	-0.5	-0.4	-0.4	-0.4	-0.1	-0.2	-0.2
60%	-0.2	-0.2	-0.2	-0.4	-0.4	-0.5	-0.4	-0.4	-0.3	-0.1	-0.2	-0.2
70%	-0.2	-0.2	-0.3	-0.4	-0.4	-0.5	-0.4	-0.5	-0.3	-0.1	-0.3	-0.2
80%	-0.2	-0.1	-0.3	-0.3	-0.4	-0.4	-0.5	-0.4	-0.3	-0.1	-0.3	-0.1
90%	-0.2	-0.1	0.0	-0.2	-0.4	-0.3	-0.5	-0.5	-0.4	0.0	-0.2	0.0
Long Term												
Full Simulation Period[a]	-0.3	-0.1	-0.3	-0.4	-0.3	-0.3	-0.4	-0.4	-0.3	-0.1	-0.2	-0.1
Water Year Types[b]												
Wet (31%)	-0.1	0.0	-0.2	-0.3	-0.1	0.0	-0.2	-0.4	-0.1	-0.2	-0.1	-0.1
Above Normal (25%)	-0.4	0.0	-0.3	-0.6	-0.1	-0.1	-0.4	-0.4	-0.2	-0.1	0.0	-0.1
Below Normal (6%)	-0.1	-0.2	0.0	-0.5	-0.4	-0.4	-0.6	-0.5	-0.4	0.2	0.0	0.1
Dry (13%)	-0.3	-0.2	-0.2	-0.4	-0.4	-0.5	-0.4	-0.5	-0.4	-0.1	-0.2	-0.2
Critical (25%)	-0.3	-0.2	-0.4	-0.4	-0.5	-0.4	-0.4	-0.4	-0.4	-0.1	-0.4	-0.2

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-27-1-19. Old River at Tracy Blvd, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.4	5.0	5.6	6.0	6.2	6.2	5.8	5.3	4.5	4.5	4.4	4.7
20%	4.3	4.1	4.6	5.2	5.3	5.5	5.1	4.8	4.4	4.3	4.3	4.6
30%	4.2	4.0	4.5	4.8	5.1	4.7	4.5	4.7	4.3	4.2	4.2	4.3
40%	4.1	4.0	4.5	4.7	4.6	4.5	4.4	4.5	4.2	4.1	4.1	4.2
50%	4.0	3.9	4.4	4.6	4.5	4.5	4.3	4.4	4.1	4.0	4.1	4.1
60%	3.9	3.9	4.3	4.6	4.4	4.4	4.3	4.4	4.1	3.9	4.1	4.1
70%	3.9	3.8	4.2	4.4	4.2	4.3	4.3	4.3	4.1	3.8	4.0	4.1
80%	3.8	3.7	4.1	4.3	4.2	4.1	4.2	4.2	4.0	3.8	3.9	4.0
90%	3.8	3.6	3.8	4.2	4.2	3.8	4.0	4.1	4.0	3.7	3.9	3.7
Long Term												
Full Simulation Period[a]	4.1	4.1	4.6	4.9	4.9	4.9	4.6	4.6	4.3	4.1	4.1	4.2
Water Year Types[b]												
Wet (31%)	4.3	4.7	5.6	5.6	6.1	6.7	5.5	5.3	4.8	4.6	4.3	4.8
Above Normal (25%)	4.0	3.6	4.3	5.7	5.9	5.2	4.9	4.9	4.2	4.2	4.0	4.1
Below Normal (6%)	3.7	3.9	3.8	4.7	4.5	4.5	4.5	4.5	4.1	3.5	3.9	3.7
Dry (13%)	4.1	3.9	4.2	4.3	4.2	4.3	4.2	4.3	4.2	3.8	4.0	4.1
Critical (25%)	4.0	4.0	4.4	4.4	4.3	4.0	4.1	4.2	4.0	4.0	4.2	4.1

Alternative 4 H3 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.4	4.9	5.2	5.6	5.9	6.1	5.5	4.9	4.2	4.1	4.2	4.9
20%	4.0	4.1	4.1	4.6	5.0	5.3	4.7	4.2	4.1	4.0	4.1	4.6
30%	3.9	4.0	4.1	4.2	4.8	4.7	4.1	4.1	3.9	3.9	4.1	4.3
40%	3.8	4.0	4.1	4.2	4.1	4.1	4.0	3.9	3.8	3.9	4.0	4.0
50%	3.8	3.9	4.0	4.2	4.0	4.0	3.9	3.9	3.8	3.8	3.9	4.0
60%	3.7	3.8	4.0	4.1	4.0	3.9	3.8	3.8	3.7	3.8	3.8	4.0
70%	3.7	3.7	3.9	4.1	3.8	3.8	3.8	3.8	3.6	3.8	3.7	3.9
80%	3.7	3.7	3.8	4.0	3.8	3.7	3.7	3.7	3.6	3.7	3.7	3.9
90%	3.7	3.6	3.7	3.9	3.7	3.4	3.5	3.6	3.5	3.6	3.6	3.7
Long Term												
Full Simulation Period[a]	3.9	4.1	4.3	4.5	4.6	4.6	4.2	4.2	3.9	3.9	3.9	4.2
Water Year Types[b]												
Wet (31%)	4.2	4.7	5.3	5.3	5.9	6.7	5.2	5.0	4.5	4.3	4.3	4.9
Above Normal (25%)	3.6	3.6	3.9	5.1	5.6	5.1	4.4	4.4	3.9	3.8	3.9	4.3
Below Normal (6%)	3.7	4.1	3.6	4.2	4.1	4.1	3.9	3.9	3.7	3.7	3.8	3.8
Dry (13%)	3.9	3.9	4.0	4.0	3.8	3.8	3.8	3.8	3.7	3.7	3.8	3.8
Critical (25%)	3.8	3.8	3.9	4.0	3.8	3.6	3.7	3.7	3.6	3.8	3.8	3.9

Alternative 4 H3 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.0	-0.1	-0.3	-0.4	-0.3	-0.1	-0.3	-0.4	-0.3	-0.3	-0.2	0.2
20%	-0.3	0.0	-0.5	-0.6	-0.3	-0.2	-0.4	-0.6	-0.4	-0.4	-0.2	0.0
30%	-0.3	0.1	-0.5	-0.5	-0.3	-0.1	-0.5	-0.5	-0.4	-0.3	-0.1	0.0
40%	-0.3	0.0	-0.4	-0.5	-0.5	-0.4	-0.4	-0.6	-0.4	-0.2	-0.1	-0.2
50%	-0.2	0.0	-0.3	-0.4	-0.5	-0.5	-0.5	-0.5	-0.4	-0.1	-0.2	-0.1
60%	-0.2	-0.1	-0.3	-0.4	-0.4	-0.5	-0.5	-0.5	-0.4	-0.1	-0.3	-0.2
70%	-0.2	-0.1	-0.3	-0.4	-0.4	-0.5	-0.5	-0.5	-0.4	-0.1	-0.3	-0.1
80%	-0.2	0.0	-0.3	-0.3	-0.4	-0.4	-0.5	-0.5	-0.4	-0.1	-0.3	-0.1
90%	-0.1	0.0	-0.1	-0.3	-0.4	-0.4	-0.5	-0.5	-0.4	-0.1	-0.2	0.0
Long Term												
Full Simulation Period[a]	-0.2	0.0	-0.3	-0.4	-0.4	-0.3	-0.4	-0.5	-0.4	-0.2	-0.2	0.0
Water Year Types[b]												
Wet (31%)	-0.1	0.0	-0.3	-0.3	-0.2	0.0	-0.3	-0.4	-0.3	-0.3	-0.1	0.1
Above Normal (25%)	-0.4	0.0	-0.3	-0.6	-0.3	-0.1	-0.5	-0.5	-0.2	-0.4	-0.1	0.2
Below Normal (6%)	0.0	0.2	-0.1	-0.5	-0.4	-0.4	-0.6	-0.6	-0.4	0.2	-0.1	0.1
Dry (13%)	-0.2	0.0	-0.2	-0.4	-0.4	-0.5	-0.5	-0.5	-0.4	-0.1	-0.2	-0.2
Critical (25%)	-0.2	-0.1	-0.5	-0.4	-0.5	-0.4	-0.4	-0.5	-0.4	-0.1	-0.4	-0.2

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-27-1-20. Old River at Tracy Blvd, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.4	5.0	5.6	6.0	6.2	6.2	5.8	5.3	4.5	4.5	4.4	4.7
20%	4.3	4.1	4.6	5.2	5.3	5.5	5.1	4.8	4.4	4.3	4.3	4.6
30%	4.2	4.0	4.5	4.8	5.1	4.7	4.5	4.7	4.3	4.2	4.2	4.3
40%	4.1	4.0	4.5	4.7	4.6	4.5	4.4	4.5	4.2	4.1	4.1	4.2
50%	4.0	3.9	4.4	4.6	4.5	4.5	4.3	4.4	4.1	4.0	4.1	4.1
60%	3.9	3.9	4.3	4.6	4.4	4.4	4.3	4.4	4.1	3.9	4.1	4.1
70%	3.9	3.8	4.2	4.4	4.2	4.3	4.3	4.3	4.1	3.8	4.0	4.1
80%	3.8	3.7	4.1	4.3	4.2	4.1	4.2	4.2	4.0	3.8	3.9	4.0
90%	3.8	3.6	3.8	4.2	4.2	3.8	4.0	4.1	4.0	3.7	3.9	3.7
Long Term												
Full Simulation Period[a]	4.1	4.1	4.6	4.9	4.9	4.9	4.6	4.6	4.3	4.1	4.1	4.2
Water Year Types[b]												
Wet (31%)	4.3	4.7	5.6	5.6	6.1	6.7	5.5	5.3	4.8	4.6	4.3	4.8
Above Normal (25%)	4.0	3.6	4.3	5.7	5.9	5.2	4.9	4.9	4.2	4.2	4.0	4.1
Below Normal (6%)	3.7	3.9	3.8	4.7	4.5	4.5	4.5	4.5	4.1	3.5	3.9	3.7
Dry (13%)	4.1	3.9	4.2	4.3	4.2	4.3	4.2	4.3	4.2	3.8	4.0	4.1
Critical (25%)	4.0	4.0	4.4	4.4	4.3	4.0	4.1	4.2	4.0	4.0	4.2	4.1

Alternative 4 H4 (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.4	4.9	5.2	5.7	5.9	6.2	5.5	4.9	4.3	4.3	4.2	4.9
20%	4.1	4.1	4.1	4.6	5.2	5.3	4.7	4.3	4.2	4.2	4.1	4.6
30%	3.9	4.1	4.1	4.4	4.8	4.7	4.1	4.1	4.0	4.0	4.0	4.3
40%	3.8	4.0	4.1	4.2	4.1	4.1	4.1	4.0	3.8	3.9	3.9	4.0
50%	3.7	3.9	4.0	4.2	4.0	4.0	4.0	4.0	3.8	3.9	3.9	4.0
60%	3.7	3.8	3.9	4.1	3.9	3.9	3.9	4.0	3.8	3.8	3.7	3.9
70%	3.7	3.8	3.9	4.1	3.8	3.8	3.8	3.8	3.7	3.8	3.7	3.9
80%	3.7	3.7	3.8	4.0	3.8	3.7	3.8	3.8	3.7	3.8	3.7	3.9
90%	3.6	3.6	3.7	3.9	3.7	3.5	3.5	3.6	3.6	3.7	3.6	3.7
Long Term												
Full Simulation Period[a]	3.9	4.1	4.3	4.5	4.6	4.7	4.3	4.2	4.0	4.0	3.9	4.2
Water Year Types[b]												
Wet (31%)	4.2	4.7	5.3	5.4	5.9	6.7	5.3	5.0	4.7	4.4	4.2	5.0
Above Normal (25%)	3.6	3.6	3.9	5.2	5.6	5.1	4.5	4.4	3.9	4.1	3.9	4.3
Below Normal (6%)	3.7	4.1	3.6	4.3	4.1	4.1	3.9	4.0	3.9	3.7	3.7	3.7
Dry (13%)	3.9	3.9	4.0	4.0	3.8	3.8	3.9	3.8	3.8	3.8	3.8	3.8
Critical (25%)	3.8	3.9	3.9	4.0	3.8	3.6	3.7	3.8	3.6	3.8	3.8	3.9

Alternative 4 H4 (LLT) minus No Action Alternative (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.0	-0.1	-0.4	-0.3	-0.3	0.0	-0.2	-0.4	-0.2	-0.1	-0.2	0.2
20%	-0.3	0.1	-0.5	-0.6	-0.1	-0.2	-0.4	-0.5	-0.2	-0.1	-0.2	0.0
30%	-0.3	0.1	-0.5	-0.4	-0.3	-0.1	-0.4	-0.5	-0.3	-0.2	-0.2	0.0
40%	-0.3	0.0	-0.4	-0.5	-0.5	-0.4	-0.3	-0.4	-0.4	-0.2	-0.2	-0.2
50%	-0.3	0.0	-0.3	-0.4	-0.5	-0.5	-0.4	-0.4	-0.4	-0.1	-0.2	-0.1
60%	-0.2	0.0	-0.4	-0.4	-0.4	-0.5	-0.4	-0.4	-0.3	0.0	-0.3	-0.2
70%	-0.2	-0.1	-0.3	-0.4	-0.4	-0.5	-0.4	-0.5	-0.3	0.0	-0.3	-0.1
80%	-0.2	0.0	-0.3	-0.3	-0.4	-0.4	-0.4	-0.4	-0.3	0.0	-0.2	-0.1
90%	-0.1	0.0	-0.1	-0.3	-0.4	-0.3	-0.5	-0.5	-0.4	0.0	-0.2	0.0
Long Term												
Full Simulation Period[a]	-0.2	0.0	-0.3	-0.4	-0.3	-0.3	-0.4	-0.4	-0.3	-0.1	-0.2	0.0
Water Year Types[b]												
Wet (31%)	-0.1	-0.1	-0.3	-0.2	-0.1	0.0	-0.2	-0.4	-0.1	-0.2	-0.1	0.2
Above Normal (25%)	-0.4	0.0	-0.4	-0.5	-0.3	-0.1	-0.4	-0.4	-0.2	-0.1	0.0	0.2
Below Normal (6%)	0.0	0.3	-0.2	-0.5	-0.4	-0.4	-0.6	-0.5	-0.2	0.2	-0.1	0.0
Dry (13%)	-0.2	0.0	-0.2	-0.4	-0.4	-0.5	-0.4	-0.5	-0.4	0.0	-0.2	-0.2
Critical (25%)	-0.2	-0.1	-0.5	-0.4	-0.5	-0.4	-0.4	-0.4	-0.4	-0.1	-0.5	-0.2

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-27-1-21. Old River at Tracy Blvd, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.4	5.0	5.6	6.0	6.2	6.2	5.8	5.3	4.5	4.5	4.4	4.7
20%	4.3	4.1	4.6	5.2	5.3	5.5	5.1	4.8	4.4	4.3	4.3	4.6
30%	4.2	4.0	4.5	4.8	5.1	4.7	4.5	4.7	4.3	4.2	4.2	4.3
40%	4.1	4.0	4.5	4.7	4.6	4.5	4.4	4.5	4.2	4.1	4.1	4.2
50%	4.0	3.9	4.4	4.6	4.5	4.5	4.3	4.4	4.1	4.0	4.1	4.1
60%	3.9	3.9	4.3	4.6	4.4	4.4	4.3	4.4	4.1	3.9	4.1	4.1
70%	3.9	3.8	4.2	4.4	4.2	4.3	4.3	4.3	4.1	3.8	4.0	4.1
80%	3.8	3.7	4.1	4.3	4.2	4.1	4.2	4.2	4.0	3.8	3.9	4.0
90%	3.8	3.6	3.8	4.2	4.2	3.8	4.0	4.1	4.0	3.7	3.9	3.7
Long Term												
Full Simulation Period[a]	4.1	4.1	4.6	4.9	4.9	4.9	4.6	4.6	4.3	4.1	4.1	4.2
Water Year Types[b]												
Wet (31%)	4.3	4.7	5.6	5.6	6.1	6.7	5.5	5.3	4.8	4.6	4.3	4.8
Above Normal (25%)	4.0	3.6	4.3	5.7	5.9	5.2	4.9	4.9	4.2	4.2	4.0	4.1
Below Normal (6%)	3.7	3.9	3.8	4.7	4.5	4.5	4.5	4.5	4.1	3.5	3.9	3.7
Dry (13%)	4.1	3.9	4.2	4.3	4.2	4.3	4.2	4.3	4.2	3.8	4.0	4.1
Critical (25%)	4.0	4.0	4.4	4.4	4.3	4.0	4.1	4.2	4.0	4.0	4.2	4.1

Alternative 5 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.3	4.8	5.1	5.5	5.8	5.9	5.3	4.9	4.1	4.1	4.2	4.7
20%	4.2	4.1	4.0	4.6	4.9	5.2	4.7	4.4	4.0	4.0	4.1	4.3
30%	4.0	4.0	4.0	4.3	4.7	4.4	4.1	4.3	3.9	3.9	4.0	4.2
40%	3.7	3.9	4.0	4.2	4.1	4.1	4.0	4.1	3.8	3.9	4.0	4.0
50%	3.7	3.8	4.0	4.2	4.1	4.1	3.9	4.0	3.7	3.8	3.8	3.9
60%	3.7	3.7	3.8	4.1	4.0	4.0	3.9	3.9	3.7	3.7	3.7	3.9
70%	3.6	3.7	3.7	4.1	3.8	3.8	3.8	3.9	3.7	3.7	3.7	3.9
80%	3.6	3.6	3.5	4.0	3.8	3.7	3.8	3.8	3.6	3.6	3.7	3.9
90%	3.6	3.5	3.5	3.8	3.7	3.5	3.6	3.7	3.6	3.5	3.6	3.7
Long Term												
Full Simulation Period[a]	3.9	4.0	4.1	4.5	4.6	4.6	4.2	4.2	3.9	3.8	3.9	4.1
Water Year Types[b]												
Wet (31%)	4.1	4.6	5.1	5.2	5.7	6.5	5.2	4.9	4.5	4.2	4.1	4.7
Above Normal (25%)	3.6	3.4	3.9	5.1	5.5	4.8	4.5	4.5	3.9	3.8	3.9	4.1
Below Normal (6%)	3.6	4.1	3.5	4.3	4.1	4.1	4.1	4.1	3.7	3.4	3.7	3.7
Dry (13%)	3.9	3.9	3.7	3.9	3.9	3.9	3.8	3.9	3.8	3.7	3.8	3.9
Critical (25%)	3.8	3.8	3.9	4.0	3.9	3.6	3.7	3.8	3.6	3.7	3.8	3.9

Alternative 5 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-0.1	-0.2	-0.4	-0.5	-0.4	-0.3	-0.4	-0.4	-0.4	-0.4	-0.2	0.0
20%	-0.1	0.0	-0.6	-0.5	-0.4	-0.3	-0.4	-0.4	-0.4	-0.4	-0.2	-0.3
30%	-0.2	0.0	-0.5	-0.5	-0.4	-0.3	-0.4	-0.4	-0.4	-0.3	-0.2	-0.1
40%	-0.4	-0.1	-0.5	-0.5	-0.4	-0.4	-0.4	-0.3	-0.4	-0.2	-0.2	-0.2
50%	-0.3	-0.1	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.2	-0.3	-0.2
60%	-0.3	-0.2	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.4	-0.2	-0.4	-0.2
70%	-0.2	-0.2	-0.5	-0.3	-0.4	-0.5	-0.4	-0.4	-0.4	-0.2	-0.3	-0.2
80%	-0.2	-0.1	-0.6	-0.3	-0.4	-0.4	-0.4	-0.4	-0.4	-0.2	-0.3	-0.1
90%	-0.2	-0.1	-0.3	-0.4	-0.4	-0.3	-0.4	-0.4	-0.4	-0.2	-0.2	0.0
Long Term												
Full Simulation Period[a]	-0.2	-0.1	-0.4	-0.4	-0.4	-0.3	-0.4	-0.4	-0.4	-0.2	-0.2	-0.1
Water Year Types[b]												
Wet (31%)	-0.2	-0.2	-0.4	-0.4	-0.3	-0.2	-0.4	-0.4	-0.4	-0.4	-0.2	-0.1
Above Normal (25%)	-0.4	-0.2	-0.3	-0.6	-0.4	-0.4	-0.5	-0.4	-0.3	-0.4	-0.1	0.1
Below Normal (6%)	-0.1	0.3	-0.3	-0.5	-0.4	-0.4	-0.4	-0.3	-0.3	-0.1	-0.2	0.0
Dry (13%)	-0.2	0.0	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.1	-0.2	-0.2
Critical (25%)	-0.2	-0.2	-0.5	-0.3	-0.4	-0.4	-0.4	-0.4	-0.4	-0.2	-0.4	-0.2

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-27-1-22. Old River at Tracy Blvd, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.4	5.0	5.6	6.0	6.2	6.2	5.8	5.3	4.5	4.5	4.4	4.7
20%	4.3	4.1	4.6	5.2	5.3	5.5	5.1	4.8	4.4	4.3	4.3	4.6
30%	4.2	4.0	4.5	4.8	5.1	4.7	4.5	4.7	4.3	4.2	4.2	4.3
40%	4.1	4.0	4.5	4.7	4.6	4.5	4.4	4.5	4.2	4.1	4.1	4.2
50%	4.0	3.9	4.4	4.6	4.5	4.5	4.3	4.4	4.1	4.0	4.1	4.1
60%	3.9	3.9	4.3	4.6	4.4	4.4	4.3	4.4	4.1	3.9	4.1	4.1
70%	3.9	3.8	4.2	4.4	4.2	4.3	4.3	4.3	4.1	3.8	4.0	4.1
80%	3.8	3.7	4.1	4.3	4.2	4.1	4.2	4.2	4.0	3.8	3.9	4.0
90%	3.8	3.6	3.8	4.2	4.2	3.8	4.0	4.1	4.0	3.7	3.9	3.7
Long Term												
Full Simulation Period[a]	4.1	4.1	4.6	4.9	4.9	4.9	4.6	4.6	4.3	4.1	4.1	4.2
Water Year Types[b]												
Wet (31%)	4.3	4.7	5.6	5.6	6.1	6.7	5.5	5.3	4.8	4.6	4.3	4.8
Above Normal (25%)	4.0	3.6	4.3	5.7	5.9	5.2	4.9	4.9	4.2	4.2	4.0	4.1
Below Normal (6%)	3.7	3.9	3.8	4.7	4.5	4.5	4.5	4.5	4.1	3.5	3.9	3.7
Dry (13%)	4.1	3.9	4.2	4.3	4.2	4.3	4.2	4.3	4.2	3.8	4.0	4.1
Critical (25%)	4.0	4.0	4.4	4.4	4.3	4.0	4.1	4.2	4.0	4.0	4.2	4.1

Alternative 6A,6B,6C (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.7	5.1	5.5	5.8	6.2	6.3	5.6	5.1	4.7	4.8	4.7	4.9
20%	4.4	4.5	4.7	5.0	5.4	5.3	4.9	4.6	4.5	4.6	4.6	4.7
30%	4.4	4.5	4.5	4.8	5.1	4.9	4.3	4.5	4.5	4.5	4.6	4.5
40%	4.3	4.3	4.5	4.6	4.7	4.6	4.2	4.4	4.3	4.5	4.5	4.5
50%	4.3	4.3	4.4	4.5	4.4	4.3	4.2	4.3	4.3	4.5	4.5	4.5
60%	4.2	4.3	4.4	4.4	4.3	4.2	4.1	4.2	4.2	4.5	4.4	4.4
70%	4.2	4.2	4.3	4.4	4.2	4.1	4.1	4.2	4.2	4.4	4.4	4.3
80%	4.2	4.2	4.3	4.3	4.2	4.0	4.0	4.1	4.1	4.3	4.3	4.3
90%	4.2	4.1	4.2	4.2	4.1	3.9	3.8	4.0	4.1	4.2	4.3	4.3
Long Term												
Full Simulation Period[a]	4.4	4.5	4.7	4.8	4.9	4.9	4.5	4.5	4.4	4.5	4.5	4.5
Water Year Types[b]												
Wet (31%)	4.6	5.0	5.6	5.5	6.2	6.8	5.4	5.2	4.9	4.9	4.8	5.0
Above Normal (25%)	4.1	4.1	4.4	5.5	5.9	5.2	4.7	4.7	4.4	4.5	4.5	4.4
Below Normal (6%)	4.2	4.3	4.2	4.8	4.7	4.7	4.3	4.4	4.2	4.2	4.3	4.3
Dry (13%)	4.3	4.3	4.4	4.3	4.2	4.2	4.1	4.2	4.3	4.5	4.4	4.4
Critical (25%)	4.3	4.3	4.4	4.3	4.2	3.9	3.9	4.1	4.1	4.4	4.4	4.4

Alternative 6A,6B,6C (LLT) minus No Action Alternative (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.3	0.0	**0.0**	**-0.2**	0.0	0.0	**-0.2**	**-0.2**	0.2	0.3	0.3	0.2
20%	0.1	0.4	0.1	**-0.1**	0.1	**-0.2**	**-0.2**	**-0.2**	0.1	0.3	0.3	0.1
30%	0.2	0.5	**0.0**	0.0	0.0	0.2	**-0.2**	**-0.1**	0.1	0.3	0.4	0.2
40%	0.2	0.4	0.0	**-0.2**	0.1	0.1	**-0.2**	**-0.1**	0.1	0.5	0.4	0.3
50%	0.3	0.4	0.1	**-0.1**	**-0.1**	**-0.2**	**-0.2**	**-0.1**	0.1	0.5	0.4	0.3
60%	0.3	0.4	0.1	**-0.1**	**-0.1**	**-0.1**	**-0.2**	**-0.2**	0.1	0.6	0.3	0.3
70%	0.3	0.4	0.1	**-0.1**	0.0	**-0.2**	**-0.2**	**-0.1**	0.2	0.6	0.4	0.3
80%	0.4	0.5	0.1	**0.0**	0.0	**-0.1**	**-0.2**	**0.0**	0.1	0.5	0.4	0.3
90%	0.4	0.5	0.4	0.0	**-0.1**	0.1	**-0.2**	**-0.1**	0.1	0.5	0.4	0.5
Long Term												
Full Simulation Period[a]	0.3	0.4	0.1	**-0.1**	0.0	**0.0**	**-0.2**	**-0.1**	0.1	0.4	0.4	0.3
Water Year Types[b]												
Wet (31%)	0.3	0.2	0.0	**-0.1**	0.1	0.1	**-0.1**	**-0.1**	0.1	0.3	0.5	0.2
Above Normal (25%)	0.1	0.6	0.1	**-0.1**	0.0	**0.0**	**-0.3**	**-0.2**	0.2	0.4	0.5	0.3
Below Normal (6%)	0.5	0.4	0.4	0.1	0.2	0.2	**-0.2**	**-0.1**	0.1	0.6	0.4	0.6
Dry (13%)	0.2	0.4	0.3	0.0	0.0	**-0.1**	**-0.2**	**-0.1**	0.1	0.7	0.5	0.4
Critical (25%)	0.3	0.3	**0.0**	**-0.1**	**-0.1**	**-0.1**	**-0.2**	**-0.1**	0.1	0.4	0.1	0.3

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-27-1-23. Old River at Tracy Blvd, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.4	5.0	5.6	6.0	6.2	6.2	5.8	5.3	4.5	4.5	4.4	4.7
20%	4.3	4.1	4.6	5.2	5.3	5.5	5.1	4.8	4.4	4.3	4.3	4.6
30%	4.2	4.0	4.5	4.8	5.1	4.7	4.5	4.7	4.3	4.2	4.2	4.3
40%	4.1	4.0	4.5	4.7	4.6	4.5	4.4	4.5	4.2	4.1	4.1	4.2
50%	4.0	3.9	4.4	4.6	4.5	4.5	4.3	4.4	4.1	4.0	4.1	4.1
60%	3.9	3.9	4.3	4.6	4.4	4.4	4.3	4.4	4.1	3.9	4.1	4.1
70%	3.9	3.8	4.2	4.4	4.2	4.3	4.3	4.3	4.1	3.8	4.0	4.1
80%	3.8	3.7	4.1	4.3	4.2	4.1	4.2	4.2	4.0	3.8	3.9	4.0
90%	3.8	3.6	3.8	4.2	4.2	3.8	4.0	4.1	4.0	3.7	3.9	3.7
Long Term												
Full Simulation Period[a]	4.1	4.1	4.6	4.9	4.9	4.9	4.6	4.6	4.3	4.1	4.1	4.2
Water Year Types[b]												
Wet (31%)	4.3	4.7	5.6	5.6	6.1	6.7	5.5	5.3	4.8	4.6	4.3	4.8
Above Normal (25%)	4.0	3.6	4.3	5.7	5.9	5.2	4.9	4.9	4.2	4.2	4.0	4.1
Below Normal (6%)	3.7	3.9	3.8	4.7	4.5	4.5	4.5	4.5	4.1	3.5	3.9	3.7
Dry (13%)	4.1	3.9	4.2	4.3	4.2	4.3	4.2	4.3	4.2	3.8	4.0	4.1
Critical (25%)	4.0	4.0	4.4	4.4	4.3	4.0	4.1	4.2	4.0	4.0	4.2	4.1

Alternative 7 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.7	5.1	5.3	5.7	5.8	6.0	5.6	5.1	4.7	4.2	4.2	5.0
20%	4.4	4.5	4.7	4.9	5.1	5.3	4.9	4.6	4.5	4.1	4.1	4.7
30%	4.4	4.5	4.5	4.7	4.9	4.7	4.3	4.5	4.5	4.0	4.1	4.4
40%	4.3	4.3	4.5	4.5	4.5	4.4	4.2	4.4	4.3	3.9	4.0	4.2
50%	4.2	4.3	4.4	4.5	4.4	4.3	4.2	4.3	4.3	3.9	4.0	4.1
60%	4.2	4.3	4.4	4.4	4.3	4.2	4.1	4.2	4.2	3.9	4.0	4.1
70%	4.2	4.3	4.3	4.4	4.2	4.1	4.1	4.2	4.2	3.8	3.9	4.1
80%	4.2	4.2	4.3	4.3	4.2	4.0	4.0	4.1	4.2	3.8	3.9	3.9
90%	4.2	4.1	4.2	4.2	4.1	3.9	3.9	4.0	4.1	3.7	3.8	3.8
Long Term												
Full Simulation Period[a]	4.3	4.5	4.6	4.7	4.8	4.8	4.5	4.5	4.4	4.0	4.0	4.3
Water Year Types[b]												
Wet (31%)	4.6	5.0	5.5	5.4	6.0	6.6	5.4	5.2	4.9	4.3	4.2	5.0
Above Normal (25%)	4.1	4.2	4.4	5.4	5.6	5.1	4.7	4.7	4.4	3.9	3.9	4.4
Below Normal (6%)	4.2	4.3	4.2	4.7	4.5	4.4	4.3	4.4	4.2	3.5	3.8	3.8
Dry (13%)	4.3	4.3	4.4	4.3	4.2	4.2	4.1	4.2	4.3	3.8	4.0	4.0
Critical (25%)	4.3	4.3	4.4	4.3	4.2	3.9	3.9	4.1	4.2	4.0	4.0	4.0

Alternative 7 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.3	0.1	-0.2	-0.3	-0.4	-0.2	-0.2	-0.2	0.2	-0.3	-0.2	0.2
20%	0.1	0.4	0.1	-0.2	-0.2	-0.2	-0.2	-0.2	0.1	-0.2	-0.2	0.1
30%	0.2	0.5	0.0	-0.1	-0.1	0.0	-0.2	-0.1	0.1	-0.2	-0.1	0.1
40%	0.2	0.4	0.0	-0.2	-0.1	-0.1	-0.2	-0.1	0.1	-0.1	-0.1	0.0
50%	0.3	0.4	0.1	-0.1	-0.1	-0.2	-0.2	-0.1	0.1	-0.1	-0.1	0.0
60%	0.3	0.4	0.1	-0.1	-0.1	-0.1	-0.2	-0.2	0.1	0.0	-0.1	0.0
70%	0.3	0.4	0.1	-0.1	0.0	-0.2	-0.2	-0.1	0.2	0.0	-0.1	0.0
80%	0.4	0.5	0.1	0.0	0.0	-0.1	-0.2	0.0	0.2	0.0	-0.1	-0.1
90%	0.4	0.5	0.4	0.0	-0.1	0.1	-0.2	-0.1	0.2	-0.1	-0.1	0.1
Long Term												
Full Simulation Period[a]	0.3	0.4	0.1	-0.1	-0.1	-0.1	-0.2	-0.1	0.1	-0.1	-0.1	0.1
Water Year Types[b]												
Wet (31%)	0.3	0.2	-0.1	-0.2	-0.1	-0.1	-0.1	-0.1	0.1	-0.3	-0.1	0.2
Above Normal (25%)	0.1	0.6	0.1	-0.3	-0.3	-0.1	-0.3	-0.2	0.2	-0.3	0.0	0.3
Below Normal (6%)	0.5	0.4	0.4	-0.1	0.0	-0.1	-0.2	-0.1	0.1	0.0	-0.1	0.2
Dry (13%)	0.2	0.4	0.2	0.0	0.0	-0.1	-0.2	-0.1	0.1	0.0	0.0	-0.1
Critical (25%)	0.3	0.3	0.0	-0.1	-0.1	-0.1	-0.2	-0.1	0.1	0.0	-0.3	-0.1

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-27-1-24. Old River at Tracy Blvd, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.4	5.0	5.6	6.0	6.2	6.2	5.8	5.3	4.5	4.5	4.4	4.7
20%	4.3	4.1	4.6	5.2	5.3	5.5	5.1	4.8	4.4	4.3	4.3	4.6
30%	4.2	4.0	4.5	4.8	5.1	4.7	4.5	4.7	4.3	4.2	4.2	4.3
40%	4.1	4.0	4.5	4.7	4.6	4.5	4.4	4.5	4.2	4.1	4.1	4.2
50%	4.0	3.9	4.4	4.6	4.5	4.5	4.3	4.4	4.1	4.0	4.1	4.1
60%	3.9	3.9	4.3	4.6	4.4	4.4	4.3	4.4	4.1	3.9	4.1	4.1
70%	3.9	3.8	4.2	4.4	4.2	4.3	4.3	4.3	4.1	3.8	4.0	4.1
80%	3.8	3.7	4.1	4.3	4.2	4.1	4.2	4.2	4.0	3.8	3.9	4.0
90%	3.8	3.6	3.8	4.2	4.2	3.8	4.0	4.1	4.0	3.7	3.9	3.7
Long Term												
Full Simulation Period[a]	4.1	4.1	4.6	4.9	4.9	4.9	4.6	4.6	4.3	4.1	4.1	4.2
Water Year Types[b]												
Wet (31%)	4.3	4.7	5.6	5.6	6.1	6.7	5.5	5.3	4.8	4.6	4.3	4.8
Above Normal (25%)	4.0	3.6	4.3	5.7	5.9	5.2	4.9	4.9	4.2	4.2	4.0	4.1
Below Normal (6%)	3.7	3.9	3.8	4.7	4.5	4.5	4.5	4.5	4.1	3.5	3.9	3.7
Dry (13%)	4.1	3.9	4.2	4.3	4.2	4.3	4.2	4.3	4.2	3.8	4.0	4.1
Critical (25%)	4.0	4.0	4.4	4.4	4.3	4.0	4.1	4.2	4.0	4.0	4.2	4.1

Alternative 8 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.7	5.1	5.4	5.6	5.9	6.0	5.6	5.1	4.7	4.5	4.2	5.0
20%	4.4	4.5	4.7	4.9	5.2	5.3	4.9	4.6	4.5	4.4	4.1	4.7
30%	4.4	4.5	4.5	4.7	4.9	4.7	4.3	4.5	4.5	4.3	4.1	4.4
40%	4.3	4.3	4.5	4.6	4.5	4.5	4.2	4.4	4.3	4.3	4.1	4.3
50%	4.2	4.3	4.4	4.5	4.4	4.3	4.2	4.3	4.3	4.2	4.0	4.2
60%	4.2	4.3	4.4	4.4	4.3	4.3	4.1	4.2	4.2	4.1	4.0	4.1
70%	4.2	4.3	4.3	4.4	4.2	4.1	4.1	4.2	4.2	4.0	4.0	4.1
80%	4.2	4.2	4.3	4.3	4.2	4.0	4.0	4.1	4.2	3.9	3.9	4.0
90%	4.2	4.1	4.2	4.2	4.1	3.9	3.9	4.0	4.1	3.8	3.8	3.9
Long Term												
Full Simulation Period[a]	4.3	4.5	4.6	4.7	4.8	4.8	4.5	4.5	4.4	4.2	4.0	4.3
Water Year Types[b]												
Wet (31%)	4.6	5.0	5.4	5.4	5.9	6.7	5.5	5.2	4.9	4.5	4.2	5.0
Above Normal (25%)	4.1	4.1	4.4	5.3	5.7	5.1	4.7	4.7	4.4	4.2	4.0	4.4
Below Normal (6%)	4.2	4.3	4.2	4.7	4.5	4.5	4.3	4.4	4.2	3.8	3.7	3.9
Dry (13%)	4.3	4.3	4.4	4.3	4.2	4.2	4.1	4.2	4.3	4.2	4.0	4.0
Critical (25%)	4.3	4.3	4.4	4.3	4.2	3.9	3.9	4.1	4.2	4.0	4.0	4.1

Alternative 8 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.3	0.1	**-0.2**	**-0.4**	**-0.3**	**-0.2**	**-0.2**	**-0.2**	0.2	0.1	**-0.2**	0.2
20%	0.1	0.4	0.1	**-0.3**	**-0.1**	**-0.2**	**-0.2**	**-0.2**	0.1	0.1	**-0.2**	0.1
30%	0.2	0.5	**0.0**	**-0.1**	**-0.1**	**0.0**	**-0.2**	**-0.1**	0.1	0.1	**-0.1**	0.1
40%	0.2	0.4	0.0	**-0.2**	**0.0**	**-0.1**	**-0.1**	**-0.1**	0.1	0.2	**-0.1**	0.1
50%	0.3	0.4	0.1	**-0.1**	**-0.1**	**-0.2**	**-0.2**	**-0.1**	0.1	0.2	**-0.1**	0.0
60%	0.3	0.4	0.1	**-0.1**	**-0.1**	**-0.1**	**-0.2**	**-0.2**	0.2	0.3	**-0.1**	**0.0**
70%	0.3	0.4	0.1	**-0.1**	0.0	**-0.2**	**-0.1**	**-0.1**	0.2	0.2	**0.0**	0.0
80%	0.4	0.5	0.1	**0.0**	0.0	**-0.1**	**-0.2**	**0.0**	0.2	0.1	**0.0**	0.0
90%	0.4	0.5	0.4	0.0	**-0.1**	0.1	**-0.1**	**-0.1**	0.2	0.1	**0.0**	0.1
Long Term												
Full Simulation Period[a]	0.3	0.4	0.1	**-0.1**	**-0.1**	**-0.1**	**-0.2**	**-0.1**	0.1	0.1	**-0.1**	0.1
Water Year Types[b]												
Wet (31%)	0.3	0.2	**-0.1**	**-0.2**	**-0.2**	**0.0**	**-0.1**	**-0.1**	0.1	**-0.1**	**-0.1**	0.2
Above Normal (25%)	0.1	0.6	0.1	**-0.4**	**-0.2**	**-0.1**	**-0.2**	**-0.2**	0.2	0.0	**0.0**	0.4
Below Normal (6%)	0.5	0.4	0.4	**-0.1**	**0.0**	**0.0**	**-0.2**	**-0.1**	0.1	0.2	**-0.1**	0.2
Dry (13%)	0.2	0.4	0.2	0.0	0.0	**-0.1**	**-0.1**	**-0.1**	0.1	0.4	0.0	**0.0**
Critical (25%)	0.3	0.3	**0.0**	**-0.1**	**-0.1**	**-0.1**	**-0.2**	**-0.1**	0.1	0.0	**-0.2**	**0.0**

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-27-1-25. Old River at Tracy Blvd, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.4	5.0	5.6	6.0	6.2	6.2	5.8	5.3	4.5	4.5	4.4	4.7
20%	4.3	4.1	4.6	5.2	5.3	5.5	5.1	4.8	4.4	4.3	4.3	4.6
30%	4.2	4.0	4.5	4.8	5.1	4.7	4.5	4.7	4.3	4.2	4.2	4.3
40%	4.1	4.0	4.5	4.7	4.6	4.5	4.4	4.5	4.2	4.1	4.1	4.2
50%	4.0	3.9	4.4	4.6	4.5	4.5	4.3	4.4	4.1	4.0	4.1	4.1
60%	3.9	3.9	4.3	4.6	4.4	4.4	4.3	4.4	4.1	3.9	4.1	4.1
70%	3.9	3.8	4.2	4.4	4.2	4.3	4.3	4.3	4.1	3.8	4.0	4.1
80%	3.8	3.7	4.1	4.3	4.2	4.1	4.2	4.2	4.0	3.8	3.9	4.0
90%	3.8	3.6	3.8	4.2	4.2	3.8	4.0	4.1	4.0	3.7	3.9	3.7
Long Term												
Full Simulation Period[a]	4.1	4.1	4.6	4.9	4.9	4.9	4.6	4.6	4.3	4.1	4.1	4.2
Water Year Types[b]												
Wet (31%)	4.3	4.7	5.6	5.6	6.1	6.7	5.5	5.3	4.8	4.6	4.3	4.8
Above Normal (25%)	4.0	3.6	4.3	5.7	5.9	5.2	4.9	4.9	4.2	4.2	4.0	4.1
Below Normal (6%)	3.7	3.9	3.8	4.7	4.5	4.5	4.5	4.5	4.1	3.5	3.9	3.7
Dry (13%)	4.1	3.9	4.2	4.3	4.2	4.3	4.2	4.3	4.2	3.8	4.0	4.1
Critical (25%)	4.0	4.0	4.4	4.4	4.3	4.0	4.1	4.2	4.0	4.0	4.2	4.1

Alternative 9 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.8	5.1	5.4	5.8	6.3	6.1	5.6	5.2	4.8	4.8	4.7	5.1
20%	4.6	4.7	4.7	5.1	5.5	5.3	4.9	5.0	4.7	4.7	4.6	4.8
30%	4.4	4.5	4.5	5.0	5.2	5.1	4.6	4.7	4.6	4.6	4.6	4.5
40%	4.4	4.4	4.5	4.7	4.9	4.9	4.4	4.6	4.3	4.4	4.5	4.5
50%	4.4	4.4	4.4	4.6	4.5	4.4	4.3	4.5	4.3	4.4	4.4	4.5
60%	4.3	4.3	4.4	4.5	4.4	4.3	4.3	4.3	4.2	4.3	4.4	4.5
70%	4.3	4.3	4.3	4.4	4.3	4.2	4.1	4.3	4.1	4.3	4.3	4.3
80%	4.2	4.2	4.2	4.3	4.3	4.0	4.1	4.2	4.1	4.2	4.2	4.3
90%	4.2	4.1	4.2	4.2	4.1	3.9	3.9	4.0	4.0	4.1	4.1	4.2
Long Term												
Full Simulation Period[a]	4.4	4.5	4.7	4.9	5.0	5.0	4.5	4.6	4.4	4.5	4.5	4.6
Water Year Types[b]												
Wet (31%)	4.7	4.9	5.5	5.6	6.2	6.9	5.5	5.4	5.0	4.9	4.8	5.2
Above Normal (25%)	4.1	4.2	4.4	5.6	6.0	5.3	4.8	4.9	4.6	4.7	4.5	4.5
Below Normal (6%)	4.3	4.4	4.2	5.0	4.9	4.9	4.5	4.7	4.3	4.1	4.3	4.3
Dry (13%)	4.5	4.4	4.4	4.4	4.3	4.3	4.2	4.3	4.2	4.3	4.4	4.4
Critical (25%)	4.3	4.3	4.4	4.3	4.2	3.9	3.9	4.1	4.0	4.2	4.3	4.3

Alternative 9 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.4	0.0	-0.1	-0.2	0.1	-0.1	-0.2	-0.1	0.3	0.4	0.3	0.4
20%	0.3	0.6	0.1	0.0	0.2	-0.2	-0.2	0.2	0.3	0.4	0.3	0.2
30%	0.3	0.5	0.0	0.2	0.2	0.4	0.1	0.0	0.2	0.4	0.4	0.3
40%	0.3	0.5	0.0	-0.1	0.3	0.3	0.1	0.1	0.1	0.3	0.3	0.3
50%	0.4	0.5	0.1	0.0	0.0	-0.1	0.0	0.0	0.1	0.4	0.3	0.3
60%	0.4	0.5	0.1	-0.1	0.0	-0.1	0.0	-0.1	0.1	0.4	0.3	0.3
70%	0.4	0.5	0.1	-0.1	0.1	-0.1	-0.2	0.0	0.0	0.4	0.3	0.3
80%	0.4	0.5	0.1	0.0	0.1	-0.1	-0.1	0.1	0.1	0.4	0.3	0.3
90%	0.4	0.5	0.4	0.0	0.0	0.1	-0.1	-0.1	0.0	0.4	0.3	0.5
Long Term												
Full Simulation Period[a]	0.3	0.4	0.1	0.0	0.1	0.0	-0.1	0.0	0.1	0.4	0.3	0.3
Water Year Types[b]												
Wet (31%)	0.4	0.2	0.0	0.0	0.2	0.2	0.0	0.0	0.2	0.3	0.5	0.4
Above Normal (25%)	0.1	0.6	0.1	0.0	0.1	0.1	-0.1	0.0	0.4	0.5	0.6	0.5
Below Normal (6%)	0.6	0.5	0.5	0.2	0.3	0.4	0.0	0.2	0.2	0.6	0.4	0.6
Dry (13%)	0.4	0.5	0.3	0.1	0.1	0.0	-0.1	0.0	0.0	0.5	0.4	0.4
Critical (25%)	0.3	0.4	0.0	-0.1	-0.1	-0.1	-0.2	-0.1	0.0	0.2	0.0	0.2

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-27-2-1. Old River at Tracy Blvd, Monthly Averaged Daily Minimum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.7	2.6	1.2	1.7	2.7	3.1	2.3	1.8	3.2	2.8	2.0	2.3
20%	1.6	1.5	-0.4	0.3	1.6	1.6	1.0	1.0	3.0	2.0	1.8	1.7
30%	1.5	1.3	-0.5	0.0	0.6	0.6	0.2	0.5	2.3	1.6	1.6	1.6
40%	1.4	1.3	-0.6	-0.3	0.3	0.2	-0.1	0.1	1.7	1.1	1.5	1.4
50%	1.4	1.3	-0.7	-0.4	-0.3	-0.2	-0.3	-0.1	1.2	1.1	1.3	1.4
60%	1.4	1.2	-0.7	-0.5	-0.4	-0.3	-0.4	-0.2	1.1	1.1	1.2	1.4
70%	1.3	1.2	-0.7	-0.5	-0.5	-0.5	-0.5	-0.3	1.0	0.9	1.2	1.3
80%	1.2	1.2	-0.8	-0.6	-0.5	-0.6	-0.6	-0.4	0.9	0.8	1.1	1.3
90%	1.2	1.2	-0.9	-0.7	-0.6	-0.7	-0.7	-0.4	0.9	0.8	1.1	1.3
Long Term												
Full Simulation Period[a]	1.5	1.6	-0.2	0.1	0.6	0.8	0.3	0.4	1.8	1.5	1.5	1.6
Water Year Types[b]												
Wet (31%)	1.8	2.5	1.3	1.4	2.6	3.5	2.1	1.8	3.0	2.4	2.2	2.4
Above Normal (25%)	1.3	1.2	-0.7	0.9	1.9	1.3	0.8	0.8	3.1	2.4	1.8	1.6
Below Normal (6%)	1.2	1.3	-0.8	-0.1	0.3	0.5	0.1	0.6	1.7	1.1	1.5	1.4
Dry (13%)	1.4	1.3	-0.7	-0.6	-0.5	-0.4	-0.5	-0.2	1.1	1.0	1.2	1.3
Critical (25%)	1.3	1.3	-0.7	-0.6	-0.5	-0.6	-0.6	-0.4	1.0	0.8	1.2	1.3

No Action Alternative (LLT)

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.5	3.2	2.3	3.1	3.7	4.1	3.3	2.7	2.7	2.5	2.3	2.8
20%	2.3	2.1	0.8	1.5	2.5	3.1	2.1	1.7	2.5	2.3	2.2	2.5
30%	2.2	2.1	0.7	1.2	1.7	1.6	1.3	1.5	2.4	2.2	2.2	2.3
40%	2.2	2.1	0.7	0.9	1.2	1.4	1.0	1.1	2.2	2.0	2.1	2.2
50%	2.1	2.0	0.6	0.8	0.8	0.9	0.8	1.0	2.0	1.9	2.1	2.2
60%	2.1	1.9	0.6	0.6	0.7	0.8	0.7	0.9	1.9	1.8	2.1	2.1
70%	2.1	1.9	0.5	0.6	0.7	0.7	0.7	0.9	1.9	1.8	2.0	2.1
80%	2.0	1.9	0.4	0.5	0.7	0.5	0.6	0.8	1.8	1.8	2.0	2.1
90%	2.0	1.9	0.3	0.5	0.6	0.4	0.4	0.8	1.8	1.7	2.0	2.0
Long Term												
Full Simulation Period[a]	2.2	2.2	1.0	1.3	1.7	1.9	1.4	1.5	2.2	2.0	2.2	2.3
Water Year Types[b]												
Wet (31%)	2.6	3.0	2.5	2.5	3.5	4.6	3.0	2.6	2.8	2.4	2.4	2.9
Above Normal (25%)	2.1	1.9	0.7	2.4	3.1	2.5	1.9	2.1	2.6	2.4	2.2	2.3
Below Normal (6%)	2.1	2.1	0.3	1.1	1.2	1.4	1.2	1.4	2.2	1.8	2.1	2.0
Dry (13%)	2.2	2.0	0.5	0.6	0.6	0.7	0.7	0.9	1.9	1.8	2.0	2.1
Critical (25%)	2.1	2.0	0.6	0.6	0.7	0.6	0.6	0.8	1.8	1.8	2.1	2.1

No Action Alternative (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.8	0.6	1.1	1.4	1.0	1.0	1.0	0.9	**-0.6**	**-0.3**	0.3	0.5
20%	0.7	0.7	1.2	1.2	0.9	1.4	1.1	0.7	**-0.5**	0.3	0.5	0.8
30%	0.7	0.7	1.2	1.2	1.1	1.0	1.1	0.9	0.1	0.7	0.5	0.7
40%	0.8	0.8	1.3	1.2	1.0	1.2	1.0	1.0	0.6	0.8	0.7	0.8
50%	0.8	0.7	1.3	1.3	1.1	1.2	1.1	1.1	0.8	0.8	0.8	0.8
60%	0.7	0.7	1.3	1.2	1.1	1.2	1.2	1.1	0.8	0.8	0.8	0.7
70%	0.8	0.7	1.2	1.2	1.2	1.2	1.2	1.1	0.8	0.9	0.9	0.8
80%	0.8	0.7	1.2	1.2	1.2	1.2	1.2	1.2	0.9	1.0	0.9	0.8
90%	0.8	0.7	1.2	1.1	1.2	1.2	1.2	1.2	0.9	0.9	0.8	0.8
Long Term												
Full Simulation Period[a]	0.8	0.7	1.2	1.2	1.1	1.1	1.1	1.1	0.4	0.6	0.6	0.7
Water Year Types[b]												
Wet (31%)	0.8	0.5	1.2	1.1	0.9	1.1	0.9	0.8	**-0.3**	0.0	0.2	0.5
Above Normal (25%)	0.8	0.7	1.3	1.5	1.3	1.2	1.1	1.3	**-0.5**	0.0	0.5	0.7
Below Normal (6%)	0.8	0.8	1.1	1.2	1.0	0.9	1.1	0.8	0.6	0.7	0.6	0.6
Dry (13%)	0.8	0.7	1.2	1.2	1.1	1.2	1.1	1.1	0.8	0.8	0.8	0.8
Critical (25%)	0.7	0.7	1.3	1.2	1.2	1.2	1.2	1.2	0.9	1.0	0.9	0.8

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

Table C-27-2-2. Old River at Tracy Blvd, Monthly Averaged Daily Minimum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.7	2.6	1.2	1.7	2.7	3.1	2.3	1.8	3.2	2.8	2.0	2.3
20%	1.6	1.5	-0.4	0.3	1.6	1.6	1.0	1.0	3.0	2.0	1.8	1.7
30%	1.5	1.3	-0.5	0.0	0.6	0.6	0.2	0.5	2.3	1.6	1.6	1.6
40%	1.4	1.3	-0.6	-0.3	0.3	0.2	-0.1	0.1	1.7	1.1	1.5	1.4
50%	1.4	1.3	-0.7	-0.4	-0.3	-0.2	-0.3	-0.1	1.2	1.1	1.3	1.4
60%	1.4	1.2	-0.7	-0.5	-0.4	-0.3	-0.4	-0.2	1.1	1.1	1.2	1.4
70%	1.3	1.2	-0.7	-0.5	-0.5	-0.5	-0.5	-0.3	1.0	0.9	1.2	1.3
80%	1.2	1.2	-0.8	-0.6	-0.5	-0.6	-0.6	-0.4	0.9	0.8	1.1	1.3
90%	1.2	1.2	-0.9	-0.7	-0.6	-0.7	-0.7	-0.4	0.9	0.8	1.1	1.3
Long Term												
Full Simulation Period[a]	1.5	1.6	-0.2	0.1	0.6	0.8	0.3	0.4	1.8	1.5	1.5	1.6
Water Year Types[b]												
Wet (31%)	1.8	2.5	1.3	1.4	2.6	3.5	2.1	1.8	3.0	2.4	2.2	2.4
Above Normal (25%)	1.3	1.2	-0.7	0.9	1.9	1.3	0.8	0.8	3.1	2.4	1.8	1.6
Below Normal (6%)	1.2	1.3	-0.8	-0.1	0.3	0.5	0.1	0.6	1.7	1.1	1.5	1.4
Dry (13%)	1.4	1.3	-0.7	-0.6	-0.5	-0.4	-0.5	-0.2	1.1	1.0	1.2	1.3
Critical (25%)	1.3	1.3	-0.7	-0.6	-0.5	-0.6	-0.6	-0.4	1.0	0.8	1.2	1.3

Alternative 1A,1B,1C (LLT)

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.6	2.0	3.0	3.6	4.3	4.6	3.7	2.7	1.4	1.4	1.4	1.6
20%	1.3	1.2	1.3	2.0	3.2	3.6	2.3	1.5	1.2	1.3	1.4	1.4
30%	1.2	1.2	1.2	1.7	2.4	2.3	1.4	1.4	1.2	1.2	1.3	1.4
40%	1.2	1.1	1.1	1.4	1.7	2.0	1.1	1.2	1.1	1.2	1.2	1.3
50%	1.1	1.1	1.0	1.2	1.2	1.3	1.1	1.1	1.0	1.1	1.2	1.3
60%	1.1	1.1	1.0	1.1	1.2	1.2	1.1	1.1	1.0	1.1	1.2	1.3
70%	1.1	1.0	0.9	1.0	1.1	1.1	1.0	1.0	1.0	1.1	1.1	1.3
80%	1.1	0.9	0.7	1.0	1.0	0.9	1.0	0.9	1.0	1.1	1.1	1.3
90%	1.0	0.9	0.7	1.0	1.0	0.9	0.8	0.9	0.9	1.0	1.1	1.1
Long Term												
Full Simulation Period[a]	1.3	1.3	1.5	1.8	2.2	2.4	1.7	1.6	1.3	1.2	1.2	1.4
Water Year Types[b]												
Wet (31%)	1.6	2.0	3.0	3.1	4.2	5.2	3.4	2.8	2.0	1.6	1.4	1.8
Above Normal (25%)	1.2	1.1	1.1	2.9	3.7	3.1	2.2	1.8	1.1	1.2	1.2	1.3
Below Normal (6%)	1.1	1.2	0.7	1.5	1.7	2.1	1.3	1.3	1.1	1.1	1.1	1.1
Dry (13%)	1.1	1.0	0.9	1.1	1.1	1.1	1.0	1.1	1.0	1.0	1.1	1.2
Critical (25%)	1.2	1.0	1.0	1.1	1.1	1.0	0.9	0.9	0.9	1.1	1.2	1.3

Alternative 1A,1B,1C (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-0.1	-0.6	1.8	2.0	1.6	1.6	1.4	0.9	-1.9	-1.4	-0.6	-0.7
20%	-0.3	-0.3	1.7	1.7	1.6	2.0	1.3	0.5	-1.9	-0.7	-0.4	-0.3
30%	-0.3	-0.2	1.8	1.8	1.8	1.7	1.2	0.9	-1.2	-0.3	-0.3	-0.2
40%	-0.3	-0.2	1.6	1.7	1.5	1.8	1.2	1.1	-0.6	0.0	-0.3	-0.1
50%	-0.2	-0.2	1.7	1.6	1.6	1.5	1.4	1.2	-0.1	0.0	-0.2	-0.1
60%	-0.2	-0.2	1.7	1.6	1.6	1.5	1.5	1.3	-0.1	0.0	-0.1	-0.1
70%	-0.2	-0.3	1.6	1.6	1.6	1.6	1.5	1.3	0.0	0.2	0.0	0.0
80%	-0.2	-0.3	1.5	1.6	1.5	1.6	1.6	1.3	0.0	0.2	0.0	0.0
90%	-0.2	-0.3	1.5	1.7	1.6	1.6	1.5	1.3	0.1	0.2	0.0	-0.2
Long Term												
Full Simulation Period[a]	-0.2	-0.3	1.7	1.7	1.6	1.6	1.4	1.1	-0.6	-0.3	-0.3	-0.2
Water Year Types[b]												
Wet (31%)	-0.3	-0.5	1.7	1.7	1.6	1.6	1.3	1.0	-1.0	-0.8	-0.8	-0.6
Above Normal (25%)	-0.2	-0.1	1.7	2.0	1.8	1.7	1.4	1.1	-2.0	-1.2	-0.5	-0.3
Below Normal (6%)	-0.1	-0.2	1.4	1.6	1.5	1.6	1.2	0.6	-0.5	0.0	-0.4	-0.3
Dry (13%)	-0.3	-0.3	1.7	1.7	1.6	1.5	1.5	1.3	-0.1	0.0	-0.1	-0.1
Critical (25%)	-0.2	-0.2	1.6	1.6	1.5	1.6	1.5	1.3	0.0	0.3	0.0	0.0

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-27-2-3. Old River at Tracy Blvd, Monthly Averaged Daily Minimum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.7	2.6	1.2	1.7	2.7	3.1	2.3	1.8	3.2	2.8	2.0	2.3
20%	1.6	1.5	-0.4	0.3	1.6	1.6	1.0	1.0	3.0	2.0	1.8	1.7
30%	1.5	1.3	-0.5	0.0	0.6	0.6	0.2	0.5	2.3	1.6	1.6	1.6
40%	1.4	1.3	-0.6	-0.3	0.3	0.2	-0.1	0.1	1.7	1.1	1.5	1.4
50%	1.4	1.3	-0.7	-0.4	-0.3	-0.2	-0.3	-0.1	1.2	1.1	1.3	1.4
60%	1.4	1.2	-0.7	-0.5	-0.4	-0.3	-0.4	-0.2	1.1	1.1	1.2	1.4
70%	1.3	1.2	-0.7	-0.5	-0.5	-0.5	-0.5	-0.3	1.0	0.9	1.2	1.3
80%	1.2	1.2	-0.8	-0.6	-0.5	-0.6	-0.6	-0.4	0.9	0.8	1.1	1.3
90%	1.2	1.2	-0.9	-0.7	-0.6	-0.7	-0.7	-0.4	0.9	0.8	1.1	1.3
Long Term												
Full Simulation Period[a]	1.5	1.6	-0.2	0.1	0.6	0.8	0.3	0.4	1.8	1.5	1.5	1.6
Water Year Types[b]												
Wet (31%)	1.8	2.5	1.3	1.4	2.6	3.5	2.1	1.8	3.0	2.4	2.2	2.4
Above Normal (25%)	1.3	1.2	-0.7	0.9	1.9	1.3	0.8	0.8	3.1	2.4	1.8	1.6
Below Normal (6%)	1.2	1.3	-0.8	-0.1	0.3	0.5	0.1	0.6	1.7	1.1	1.5	1.4
Dry (13%)	1.4	1.3	-0.7	-0.6	-0.5	-0.4	-0.5	-0.2	1.1	1.0	1.2	1.3
Critical (25%)	1.3	1.3	-0.7	-0.6	-0.5	-0.6	-0.6	-0.4	1.0	0.8	1.2	1.3

Alternative 2A,2B,2C (LLT)

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.5	3.3	3.1	3.5	4.2	4.6	3.7	2.9	2.6	2.6	2.6	3.1
20%	2.3	2.4	1.3	1.8	3.1	3.6	2.4	1.4	2.4	2.5	2.4	2.8
30%	2.2	2.4	1.1	1.5	2.2	2.0	1.3	1.3	2.4	2.3	2.4	2.6
40%	2.2	2.3	1.1	1.2	1.4	1.5	1.1	1.2	2.2	2.2	2.4	2.4
50%	2.2	2.2	1.0	1.1	1.1	1.2	1.0	1.1	2.1	2.2	2.3	2.4
60%	2.2	2.2	1.0	1.1	1.1	1.1	1.0	1.1	2.0	2.1	2.3	2.4
70%	2.1	2.2	0.9	1.0	1.0	1.0	0.9	1.0	2.0	2.1	2.2	2.3
80%	2.1	2.1	0.9	1.0	0.9	0.8	0.9	0.9	2.0	2.0	2.2	2.3
90%	2.0	2.1	0.8	1.0	0.9	0.8	0.7	0.9	1.9	2.0	2.1	2.2
Long Term												
Full Simulation Period[a]	2.3	2.5	1.5	1.7	2.1	2.3	1.6	1.6	2.3	2.3	2.4	2.6
Water Year Types[b]												
Wet (31%)	2.5	3.3	3.1	3.0	4.0	5.1	3.3	2.8	2.9	2.6	2.7	3.2
Above Normal (25%)	2.1	2.1	1.1	2.7	3.6	3.0	2.0	2.0	2.5	2.4	2.4	2.6
Below Normal (6%)	2.2	2.4	0.7	1.3	1.4	1.5	1.2	1.2	2.2	2.2	2.3	2.3
Dry (13%)	2.2	2.3	1.0	1.0	0.9	1.0	0.9	1.0	2.0	2.1	2.2	2.3
Critical (25%)	2.1	2.2	1.0	1.0	1.0	0.9	0.8	0.9	1.9	2.1	2.2	2.3

Alternative 2A,2B,2C (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.8	0.7	1.8	1.9	1.5	1.6	1.3	1.1	**-0.6**	**-0.2**	0.5	0.8
20%	0.8	0.9	1.7	1.5	1.5	1.9	1.3	0.4	**-0.6**	0.5	0.7	1.1
30%	0.7	1.0	1.7	1.6	1.5	1.4	1.1	0.8	0.0	0.7	0.8	1.1
40%	0.8	1.0	1.7	1.5	1.2	1.3	1.2	1.1	0.6	1.1	0.9	1.0
50%	0.8	0.9	1.7	1.6	1.4	1.4	1.3	1.2	0.9	1.1	1.0	1.0
60%	0.8	1.0	1.7	1.6	1.5	1.4	1.4	1.3	0.9	1.1	1.0	1.0
70%	0.9	0.9	1.7	1.6	1.5	1.5	1.5	1.3	1.0	1.2	1.1	1.0
80%	0.8	0.9	1.7	1.6	1.5	1.5	1.5	1.3	1.0	1.2	1.1	1.0
90%	0.8	0.9	1.7	1.6	1.5	1.5	1.4	1.3	1.1	1.2	1.0	1.0
Long Term												
Full Simulation Period[a]	0.8	0.9	1.7	1.6	1.5	1.5	1.3	1.1	0.5	0.8	0.8	1.0
Water Year Types[b]												
Wet (31%)	0.7	0.8	1.8	1.6	1.4	1.6	1.3	0.9	**-0.1**	0.2	0.4	0.8
Above Normal (25%)	0.8	0.9	1.8	1.9	1.7	1.6	1.2	1.2	**-0.6**	0.1	0.7	1.1
Below Normal (6%)	0.9	1.0	1.5	1.4	1.2	1.0	1.1	0.6	0.6	1.1	0.8	0.9
Dry (13%)	0.8	0.9	1.7	1.6	1.4	1.4	1.4	1.3	1.0	1.1	1.0	1.0
Critical (25%)	0.8	0.9	1.6	1.6	1.5	1.5	1.4	1.3	1.0	1.3	1.1	1.0

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-27-2-4. Old River at Tracy Blvd, Monthly Averaged Daily Minimum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.7	2.6	1.2	1.7	2.7	3.1	2.3	1.8	3.2	2.8	2.0	2.3
20%	1.6	1.5	-0.4	0.3	1.6	1.6	1.0	1.0	3.0	2.0	1.8	1.7
30%	1.5	1.3	-0.5	0.0	0.6	0.6	0.2	0.5	2.3	1.6	1.6	1.6
40%	1.4	1.3	-0.6	-0.3	0.3	0.2	-0.1	0.1	1.7	1.1	1.5	1.4
50%	1.4	1.3	-0.7	-0.4	-0.3	-0.2	-0.3	-0.1	1.2	1.1	1.3	1.4
60%	1.4	1.2	-0.7	-0.5	-0.4	-0.3	-0.4	-0.2	1.1	1.1	1.2	1.4
70%	1.3	1.2	-0.7	-0.5	-0.5	-0.5	-0.5	-0.3	1.0	0.9	1.2	1.3
80%	1.2	1.2	-0.8	-0.6	-0.5	-0.6	-0.6	-0.4	0.9	0.8	1.1	1.3
90%	1.2	1.2	-0.9	-0.7	-0.6	-0.7	-0.7	-0.4	0.9	0.8	1.1	1.3
Long Term												
Full Simulation Period[a]	1.5	1.6	-0.2	0.1	0.6	0.8	0.3	0.4	1.8	1.5	1.5	1.6
Water Year Types[b]												
Wet (31%)	1.8	2.5	1.3	1.4	2.6	3.5	2.1	1.8	3.0	2.4	2.2	2.4
Above Normal (25%)	1.3	1.2	-0.7	0.9	1.9	1.3	0.8	0.8	3.1	2.4	1.8	1.6
Below Normal (6%)	1.2	1.3	-0.8	-0.1	0.3	0.5	0.1	0.6	1.7	1.1	1.5	1.4
Dry (13%)	1.4	1.3	-0.7	-0.6	-0.5	-0.4	-0.5	-0.2	1.1	1.0	1.2	1.3
Critical (25%)	1.3	1.3	-0.7	-0.6	-0.5	-0.6	-0.6	-0.4	1.0	0.8	1.2	1.3

Alternative 3 (LLT)

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.5	1.8	2.9	3.5	4.1	4.6	3.5	2.6	1.3	1.4	1.4	1.6
20%	1.3	1.1	1.2	1.9	3.1	3.5	2.3	1.5	1.2	1.4	1.4	1.4
30%	1.2	1.1	1.2	1.5	2.2	2.2	1.4	1.4	1.2	1.2	1.3	1.4
40%	1.2	1.1	1.0	1.4	1.7	1.8	1.1	1.2	1.1	1.1	1.2	1.3
50%	1.1	1.0	1.0	1.2	1.3	1.3	1.1	1.1	1.0	1.1	1.2	1.3
60%	1.1	1.0	0.9	1.2	1.2	1.2	1.0	1.1	1.0	1.1	1.2	1.3
70%	1.1	1.0	0.9	1.1	1.1	1.1	1.0	1.0	1.0	1.1	1.1	1.2
80%	1.1	1.0	0.9	1.0	1.0	0.9	1.0	0.9	1.0	1.0	1.1	1.2
90%	1.0	0.9	0.6	1.0	1.0	0.9	0.8	0.9	0.9	0.9	1.0	1.1
Long Term												
Full Simulation Period[a]	1.2	1.2	1.4	1.8	2.2	2.4	1.7	1.5	1.2	1.2	1.2	1.3
Water Year Types[b]												
Wet (31%)	1.6	1.9	3.0	2.9	4.1	5.1	3.2	2.7	1.9	1.5	1.4	1.6
Above Normal (25%)	1.1	1.0	1.1	2.8	3.6	3.0	2.1	1.8	1.1	1.2	1.2	1.3
Below Normal (6%)	1.1	1.0	0.7	1.5	1.7	2.0	1.3	1.3	1.1	1.1	1.1	1.1
Dry (13%)	1.1	1.0	0.9	1.1	1.1	1.1	1.0	1.0	1.0	1.0	1.2	1.2
Critical (25%)	1.1	1.1	0.9	1.1	1.1	1.0	0.9	0.9	0.9	1.1	1.2	1.3

Alternative 3 (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-0.2	-0.8	1.6	1.8	1.4	1.5	1.2	0.8	-2.0	-1.4	-0.6	-0.7
20%	-0.3	-0.4	1.6	1.6	1.4	1.8	1.2	0.5	-1.9	-0.6	-0.4	-0.3
30%	-0.3	-0.3	1.7	1.6	1.6	1.6	1.2	0.9	-1.2	-0.3	-0.3	-0.2
40%	-0.3	-0.2	1.6	1.7	1.4	1.6	1.2	1.1	-0.5	0.0	-0.3	-0.1
50%	-0.2	-0.2	1.7	1.7	1.6	1.5	1.4	1.2	-0.1	0.0	-0.2	-0.1
60%	-0.2	-0.2	1.6	1.7	1.6	1.5	1.5	1.3	-0.1	0.0	-0.1	-0.1
70%	-0.2	-0.3	1.6	1.6	1.6	1.6	1.5	1.3	0.0	0.2	0.0	-0.1
80%	-0.1	-0.3	1.6	1.7	1.6	1.6	1.6	1.3	0.0	0.2	0.0	0.0
90%	-0.2	-0.3	1.5	1.7	1.6	1.6	1.5	1.3	0.1	0.1	-0.1	-0.2
Long Term												
Full Simulation Period[a]	-0.2	-0.3	1.6	1.7	1.5	1.6	1.4	1.1	-0.6	-0.3	-0.3	-0.3
Water Year Types[b]												
Wet (31%)	-0.3	-0.6	1.6	1.5	1.5	1.5	1.2	0.9	-1.1	-0.8	-0.8	-0.7
Above Normal (25%)	-0.2	-0.2	1.7	1.9	1.7	1.7	1.3	1.1	-2.0	-1.2	-0.5	-0.3
Below Normal (6%)	-0.1	-0.3	1.4	1.6	1.4	1.5	1.2	0.6	-0.5	0.0	-0.4	-0.3
Dry (13%)	-0.3	-0.3	1.6	1.7	1.6	1.5	1.4	1.3	0.0	0.0	0.0	-0.1
Critical (25%)	-0.2	-0.2	1.6	1.7	1.6	1.6	1.5	1.3	0.0	0.3	0.0	0.0

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-27-2-5. Old River at Tracy Blvd, Monthly Averaged Daily Minimum Elevation

Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.7	2.6	1.2	1.7	2.7	3.1	2.3	1.8	3.2	2.8	2.0	2.3
20%	1.6	1.5	-0.4	0.3	1.6	1.6	1.0	1.0	3.0	2.0	1.8	1.7
30%	1.5	1.3	-0.5	0.0	0.6	0.6	0.2	0.5	2.3	1.6	1.6	1.6
40%	1.4	1.3	-0.6	-0.3	0.3	0.2	-0.1	0.1	1.7	1.1	1.5	1.4
50%	1.4	1.3	-0.7	-0.4	-0.3	-0.2	-0.3	-0.1	1.2	1.1	1.3	1.4
60%	1.4	1.2	-0.7	-0.5	-0.4	-0.3	-0.4	-0.2	1.1	1.1	1.2	1.4
70%	1.3	1.2	-0.7	-0.5	-0.5	-0.5	-0.5	-0.3	1.0	0.9	1.2	1.3
80%	1.2	1.2	-0.8	-0.6	-0.5	-0.6	-0.6	-0.4	0.9	0.8	1.1	1.3
90%	1.2	1.2	-0.9	-0.7	-0.6	-0.7	-0.7	-0.4	0.9	0.8	1.1	1.3
Long Term												
Full Simulation Period[a]	1.5	1.6	-0.2	0.1	0.6	0.8	0.3	0.4	1.8	1.5	1.5	1.6
Water Year Types[b]												
Wet (31%)	1.8	2.5	1.3	1.4	2.6	3.5	2.1	1.8	3.0	2.4	2.2	2.4
Above Normal (25%)	1.3	1.2	-0.7	0.9	1.9	1.3	0.8	0.8	3.1	2.4	1.8	1.6
Below Normal (6%)	1.2	1.3	-0.8	-0.1	0.3	0.5	0.1	0.6	1.7	1.1	1.5	1.4
Dry (13%)	1.4	1.3	-0.7	-0.6	-0.5	-0.4	-0.5	-0.2	1.1	1.0	1.2	1.3
Critical (25%)	1.3	1.3	-0.7	-0.6	-0.5	-0.6	-0.6	-0.4	1.0	0.8	1.2	1.3

Alternative 4 H1 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.5	3.3	2.9	3.4	4.1	4.5	3.7	2.9	2.6	2.6	2.6	2.9
20%	2.3	2.3	1.2	1.7	2.9	3.6	2.4	1.4	2.4	2.5	2.4	2.6
30%	2.2	2.2	1.1	1.4	2.1	2.0	1.3	1.3	2.4	2.3	2.4	2.5
40%	2.2	2.2	1.1	1.2	1.4	1.6	1.1	1.2	2.2	2.2	2.4	2.4
50%	2.2	2.2	1.1	1.1	1.1	1.2	1.0	1.1	2.1	2.2	2.3	2.4
60%	2.1	2.2	1.0	1.0	1.1	1.1	1.0	1.1	2.0	2.1	2.3	2.4
70%	2.1	2.1	1.0	1.0	1.0	1.0	0.9	1.0	2.0	2.1	2.2	2.3
80%	2.1	2.1	1.0	1.0	0.9	0.8	0.9	0.9	2.0	2.0	2.2	2.3
90%	2.0	2.0	0.8	0.9	0.9	0.8	0.7	0.9	1.9	2.0	2.1	2.2
Long Term												
Full Simulation Period[a]	2.2	2.4	1.5	1.7	2.1	2.3	1.6	1.6	2.3	2.3	2.4	2.5
Water Year Types[b]												
Wet (31%)	2.5	3.3	3.0	2.9	3.9	5.0	3.3	2.8	2.9	2.6	2.6	3.0
Above Normal (25%)	2.1	2.1	1.1	2.6	3.5	3.0	2.0	2.0	2.5	2.4	2.4	2.5
Below Normal (6%)	2.2	2.2	0.7	1.3	1.4	1.7	1.2	1.2	2.2	2.2	2.3	2.3
Dry (13%)	2.2	2.2	1.0	1.0	0.9	1.0	0.9	1.0	2.0	2.1	2.2	2.3
Critical (25%)	2.1	2.1	1.0	0.9	1.0	0.9	0.8	0.9	2.0	2.1	2.2	2.3

Alternative 4 H1 (LLT) minus Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.7	0.7	1.6	1.7	1.4	1.4	1.3	1.1	**-0.7**	**-0.3**	0.5	0.6
20%	0.7	0.8	1.6	1.4	1.3	2.0	1.3	0.4	**-0.6**	0.5	0.7	0.9
30%	0.7	0.9	1.7	1.4	1.4	1.4	1.1	0.8	0.0	0.7	0.8	0.9
40%	0.8	0.9	1.7	1.5	1.2	1.4	1.2	1.1	0.6	1.1	0.9	1.0
50%	0.8	0.9	1.7	1.5	1.4	1.4	1.3	1.2	0.9	1.1	1.0	1.0
60%	0.8	0.9	1.7	1.5	1.5	1.4	1.4	1.3	0.9	1.1	1.0	1.0
70%	0.8	0.9	1.7	1.5	1.5	1.5	1.4	1.3	1.0	1.2	1.0	1.0
80%	0.8	0.9	1.7	1.6	1.4	1.5	1.5	1.3	1.0	1.2	1.0	1.0
90%	0.8	0.9	1.7	1.5	1.4	1.5	1.4	1.3	1.1	1.2	1.0	1.0
Long Term												
Full Simulation Period[a]	0.8	0.9	1.7	1.5	1.4	1.5	1.3	1.1	0.5	0.8	0.8	0.9
Water Year Types[b]												
Wet (31%)	0.7	0.8	1.7	1.5	1.3	1.5	1.2	0.9	**-0.1**	0.2	0.4	0.6
Above Normal (25%)	0.8	0.9	1.8	1.7	1.7	1.6	1.2	1.2	**-0.6**	0.1	0.7	0.9
Below Normal (6%)	0.9	0.9	1.5	1.4	1.2	1.2	1.1	0.6	0.6	1.1	0.8	0.9
Dry (13%)	0.7	0.9	1.7	1.6	1.4	1.4	1.4	1.3	1.0	1.1	1.0	1.0
Critical (25%)	0.8	0.9	1.7	1.5	1.4	1.5	1.4	1.3	1.0	1.3	1.1	1.0

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-27-2-6. Old River at Tracy Blvd, Monthly Averaged Daily Minimum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.7	2.6	1.2	1.7	2.7	3.1	2.3	1.8	3.2	2.8	2.0	2.3
20%	1.6	1.5	-0.4	0.3	1.6	1.6	1.0	1.0	3.0	2.0	1.8	1.7
30%	1.5	1.3	-0.5	0.0	0.6	0.6	0.2	0.5	2.3	1.6	1.6	1.6
40%	1.4	1.3	-0.6	-0.3	0.3	0.2	-0.1	0.1	1.7	1.1	1.5	1.4
50%	1.4	1.3	-0.7	-0.4	-0.3	-0.2	-0.3	-0.1	1.2	1.1	1.3	1.4
60%	1.4	1.2	-0.7	-0.5	-0.4	-0.3	-0.4	-0.2	1.1	1.1	1.2	1.4
70%	1.3	1.2	-0.7	-0.5	-0.5	-0.5	-0.5	-0.3	1.0	0.9	1.2	1.3
80%	1.2	1.2	-0.8	-0.6	-0.5	-0.6	-0.6	-0.4	0.9	0.8	1.1	1.3
90%	1.2	1.2	-0.9	-0.7	-0.6	-0.7	-0.7	-0.4	0.9	0.8	1.1	1.3
Long Term												
Full Simulation Period[a]	1.5	1.6	-0.2	0.1	0.6	0.8	0.3	0.4	1.8	1.5	1.5	1.6
Water Year Types[b]												
Wet (31%)	1.8	2.5	1.3	1.4	2.6	3.5	2.1	1.8	3.0	2.4	2.2	2.4
Above Normal (25%)	1.3	1.2	-0.7	0.9	1.9	1.3	0.8	0.8	3.1	2.4	1.8	1.6
Below Normal (6%)	1.2	1.3	-0.8	-0.1	0.3	0.5	0.1	0.6	1.7	1.1	1.5	1.4
Dry (13%)	1.4	1.3	-0.7	-0.6	-0.5	-0.4	-0.5	-0.2	1.1	1.0	1.2	1.3
Critical (25%)	1.3	1.3	-0.7	-0.6	-0.5	-0.6	-0.6	-0.4	1.0	0.8	1.2	1.3

Alternative 4 H2 (LLT)

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.5	3.3	2.9	3.4	4.1	4.6	3.7	3.0	2.6	2.8	2.5	3.0
20%	2.3	2.3	1.3	1.7	3.0	3.6	2.4	1.5	2.5	2.5	2.4	2.6
30%	2.2	2.2	1.2	1.4	2.2	2.0	1.3	1.3	2.4	2.4	2.4	2.5
40%	2.2	2.2	1.1	1.2	1.4	1.5	1.1	1.2	2.2	2.2	2.4	2.4
50%	2.2	2.2	1.1	1.1	1.1	1.2	1.1	1.1	2.1	2.2	2.3	2.4
60%	2.2	2.2	1.0	1.1	1.1	1.1	1.0	1.1	2.0	2.2	2.3	2.3
70%	2.1	2.1	1.0	1.0	1.0	1.0	0.9	1.0	2.0	2.1	2.2	2.3
80%	2.1	2.1	0.9	1.0	0.9	0.8	0.9	0.9	2.0	2.1	2.2	2.3
90%	2.0	2.0	0.9	0.9	0.9	0.8	0.7	0.9	1.9	2.0	2.1	2.2
Long Term												
Full Simulation Period[a]	2.3	2.4	1.5	1.7	2.1	2.3	1.7	1.6	2.3	2.3	2.4	2.5
Water Year Types[b]												
Wet (31%)	2.7	3.3	3.0	2.9	3.9	5.1	3.3	2.8	2.9	2.6	2.6	3.0
Above Normal (25%)	2.1	2.1	1.1	2.6	3.6	3.0	2.1	2.0	2.5	2.6	2.5	2.5
Below Normal (6%)	2.2	2.2	0.9	1.3	1.4	1.5	1.2	1.3	2.2	2.2	2.3	2.3
Dry (13%)	2.2	2.2	1.0	1.0	0.9	1.0	0.9	1.0	2.1	2.1	2.2	2.3
Critical (25%)	2.1	2.1	1.0	1.0	1.0	0.9	0.8	0.9	2.0	2.1	2.2	2.3

Alternative 4 H2 (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.7	0.7	1.7	1.7	1.4	1.6	1.3	1.2	**-0.7**	**-0.1**	0.5	0.6
20%	0.7	0.8	1.7	1.4	1.3	1.9	1.3	0.4	**-0.6**	0.5	0.7	0.9
30%	0.7	0.9	1.7	1.5	1.5	1.4	1.1	0.8	0.1	0.9	0.8	0.9
40%	0.8	0.9	1.7	1.5	1.2	1.4	1.2	1.1	0.5	1.1	0.9	1.0
50%	0.8	0.9	1.7	1.6	1.5	1.4	1.4	1.2	0.9	1.1	1.0	1.0
60%	0.8	0.9	1.7	1.6	1.5	1.4	1.5	1.3	0.9	1.1	1.1	0.9
70%	0.8	0.9	1.7	1.5	1.5	1.5	1.5	1.3	1.0	1.2	1.0	1.0
80%	0.8	0.9	1.7	1.6	1.5	1.5	1.5	1.3	1.0	1.3	1.0	1.0
90%	0.8	0.8	1.7	1.6	1.5	1.5	1.4	1.3	1.1	1.3	1.0	1.0
Long Term												
Full Simulation Period[a]	0.8	0.9	1.7	1.6	1.4	1.5	1.3	1.2	0.5	0.8	0.8	0.9
Water Year Types[b]												
Wet (31%)	0.8	0.8	1.7	1.5	1.3	1.5	1.2	1.0	**-0.1**	0.3	0.4	0.7
Above Normal (25%)	0.8	0.9	1.8	1.7	1.8	1.6	1.3	1.3	**-0.6**	0.3	0.7	0.9
Below Normal (6%)	0.9	0.9	1.6	1.4	1.2	1.0	1.1	0.6	0.5	1.1	0.8	0.9
Dry (13%)	0.7	0.9	1.7	1.6	1.4	1.4	1.4	1.3	1.0	1.1	1.0	1.0
Critical (25%)	0.8	0.9	1.7	1.6	1.5	1.5	1.5	1.3	1.0	1.3	1.1	1.0

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-27-2-7. Old River at Tracy Blvd, Monthly Averaged Daily Minimum Elevation

Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.7	2.6	1.2	1.7	2.7	3.1	2.3	1.8	3.2	2.8	2.0	2.3
20%	1.6	1.5	-0.4	0.3	1.6	1.6	1.0	1.0	3.0	2.0	1.8	1.7
30%	1.5	1.3	-0.5	0.0	0.6	0.6	0.2	0.5	2.3	1.6	1.6	1.6
40%	1.4	1.3	-0.6	-0.3	0.3	0.2	-0.1	0.1	1.7	1.1	1.5	1.4
50%	1.4	1.3	-0.7	-0.4	-0.3	-0.2	-0.3	-0.1	1.2	1.1	1.3	1.4
60%	1.4	1.2	-0.7	-0.5	-0.4	-0.3	-0.4	-0.2	1.1	1.1	1.2	1.4
70%	1.3	1.2	-0.7	-0.5	-0.5	-0.5	-0.5	-0.3	1.0	0.9	1.2	1.3
80%	1.2	1.2	-0.8	-0.6	-0.5	-0.6	-0.6	-0.4	0.9	0.8	1.1	1.3
90%	1.2	1.2	-0.9	-0.7	-0.6	-0.7	-0.7	-0.4	0.9	0.8	1.1	1.3
Long Term												
Full Simulation Period[a]	1.5	1.6	-0.2	0.1	0.6	0.8	0.3	0.4	1.8	1.5	1.5	1.6
Water Year Types[b]												
Wet (31%)	1.8	2.5	1.3	1.4	2.6	3.5	2.1	1.8	3.0	2.4	2.2	2.4
Above Normal (25%)	1.3	1.2	-0.7	0.9	1.9	1.3	0.8	0.8	3.1	2.4	1.8	1.6
Below Normal (6%)	1.2	1.3	-0.8	-0.1	0.3	0.5	0.1	0.6	1.7	1.1	1.5	1.4
Dry (13%)	1.4	1.3	-0.7	-0.6	-0.5	-0.4	-0.5	-0.2	1.1	1.0	1.2	1.3
Critical (25%)	1.3	1.3	-0.7	-0.6	-0.5	-0.6	-0.6	-0.4	1.0	0.8	1.2	1.3

Alternative 4 H3 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	2.5	3.3	2.9	3.4	4.1	4.6	3.7	2.9	2.6	2.6	2.6	3.1
20%	2.3	2.4	1.2	1.7	2.8	3.6	2.4	1.4	2.4	2.5	2.4	2.8
30%	2.2	2.4	1.2	1.4	2.1	1.9	1.3	1.3	2.4	2.3	2.4	2.7
40%	2.2	2.3	1.1	1.2	1.4	1.5	1.1	1.2	2.2	2.2	2.4	2.4
50%	2.2	2.2	1.0	1.1	1.1	1.2	1.0	1.1	2.1	2.2	2.3	2.4
60%	2.2	2.2	1.0	1.1	1.1	1.1	1.0	1.1	2.0	2.1	2.3	2.3
70%	2.1	2.2	1.0	1.0	1.0	1.0	0.9	1.0	2.0	2.1	2.2	2.3
80%	2.1	2.1	0.9	1.0	0.9	0.8	0.9	0.9	2.0	2.0	2.2	2.3
90%	2.0	2.0	0.9	0.9	0.9	0.8	0.7	0.9	1.9	2.0	2.1	2.2
Long Term												
Full Simulation Period[a]	2.3	2.5	1.5	1.7	2.0	2.3	1.6	1.6	2.3	2.3	2.4	2.6
Water Year Types[b]												
Wet (31%)	2.6	3.3	3.0	2.9	3.9	5.1	3.3	2.8	2.9	2.6	2.6	3.2
Above Normal (25%)	2.1	2.1	1.1	2.6	3.5	3.0	2.0	2.0	2.5	2.4	2.4	2.7
Below Normal (6%)	2.2	2.4	0.8	1.3	1.4	1.5	1.2	1.2	2.2	2.2	2.3	2.3
Dry (13%)	2.2	2.3	1.0	1.0	0.9	1.0	0.9	1.0	2.0	2.1	2.2	2.3
Critical (25%)	2.1	2.2	1.0	1.0	1.0	0.9	0.8	0.9	2.0	2.1	2.2	2.3

Alternative 4 H3 (LLT) minus Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0.8	0.7	1.7	1.7	1.4	1.5	1.3	1.2	**-0.7**	**-0.3**	0.5	0.8
20%	0.8	0.9	1.6	1.4	1.2	1.9	1.3	0.4	**-0.6**	0.5	0.7	1.1
30%	0.7	1.0	1.7	1.4	1.4	1.4	1.1	0.8	0.0	0.8	0.8	1.1
40%	0.8	1.0	1.7	1.5	1.2	1.3	1.2	1.1	0.5	1.1	0.9	1.0
50%	0.8	1.0	1.7	1.6	1.4	1.4	1.3	1.2	0.9	1.1	1.0	1.0
60%	0.8	1.0	1.7	1.6	1.5	1.4	1.4	1.3	0.9	1.1	1.0	1.0
70%	0.9	0.9	1.7	1.5	1.5	1.5	1.4	1.3	1.0	1.2	1.0	1.0
80%	0.9	0.9	1.7	1.6	1.4	1.5	1.5	1.3	1.0	1.2	1.1	1.0
90%	0.8	0.8	1.7	1.6	1.4	1.5	1.4	1.3	1.1	1.2	1.0	1.0
Long Term												
Full Simulation Period[a]	0.8	0.9	1.7	1.6	1.4	1.5	1.3	1.1	0.5	0.8	0.8	0.9
Water Year Types[b]												
Wet (31%)	0.7	0.8	1.7	1.5	1.3	1.5	1.2	0.9	**-0.1**	0.2	0.4	0.8
Above Normal (25%)	0.8	0.9	1.8	1.7	1.6	1.6	1.2	1.2	**-0.6**	0.1	0.7	1.1
Below Normal (6%)	0.9	1.0	1.6	1.4	1.2	1.0	1.1	0.6	0.5	1.1	0.8	0.9
Dry (13%)	0.8	0.9	1.7	1.6	1.4	1.4	1.4	1.3	1.0	1.1	1.0	1.0
Critical (25%)	0.8	0.9	1.7	1.6	1.4	1.5	1.5	1.3	1.0	1.3	1.1	1.0

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-27-2-8. Old River at Tracy Blvd, Monthly Averaged Daily Minimum Elevation

Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.7	2.6	1.2	1.7	2.7	3.1	2.3	1.8	3.2	2.8	2.0	2.3
20%	1.6	1.5	-0.4	0.3	1.6	1.6	1.0	1.0	3.0	2.0	1.8	1.7
30%	1.5	1.3	-0.5	0.0	0.6	0.6	0.2	0.5	2.3	1.6	1.6	1.6
40%	1.4	1.3	-0.6	-0.3	0.3	0.2	-0.1	0.1	1.7	1.1	1.5	1.4
50%	1.4	1.3	-0.7	-0.4	-0.3	-0.2	-0.3	-0.1	1.2	1.1	1.3	1.4
60%	1.4	1.2	-0.7	-0.5	-0.4	-0.3	-0.4	-0.2	1.1	1.1	1.2	1.4
70%	1.3	1.2	-0.7	-0.5	-0.5	-0.5	-0.5	-0.3	1.0	0.9	1.2	1.3
80%	1.2	1.2	-0.8	-0.6	-0.5	-0.6	-0.6	-0.4	0.9	0.8	1.1	1.3
90%	1.2	1.2	-0.9	-0.7	-0.6	-0.7	-0.7	-0.4	0.9	0.8	1.1	1.3
Long Term												
Full Simulation Period[a]	1.5	1.6	-0.2	0.1	0.6	0.8	0.3	0.4	1.8	1.5	1.5	1.6
Water Year Types[b]												
Wet (31%)	1.8	2.5	1.3	1.4	2.6	3.5	2.1	1.8	3.0	2.4	2.2	2.4
Above Normal (25%)	1.3	1.2	-0.7	0.9	1.9	1.3	0.8	0.8	3.1	2.4	1.8	1.6
Below Normal (6%)	1.2	1.3	-0.8	-0.1	0.3	0.5	0.1	0.6	1.7	1.1	1.5	1.4
Dry (13%)	1.4	1.3	-0.7	-0.6	-0.5	-0.4	-0.5	-0.2	1.1	1.0	1.2	1.3
Critical (25%)	1.3	1.3	-0.7	-0.6	-0.5	-0.6	-0.6	-0.4	1.0	0.8	1.2	1.3

Alternative 4 H4 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	2.5	3.3	2.9	3.5	4.1	4.6	3.7	3.0	2.6	2.8	2.5	3.1
20%	2.3	2.4	1.2	1.7	2.9	3.6	2.4	1.5	2.5	2.5	2.4	2.8
30%	2.2	2.4	1.1	1.5	2.1	2.0	1.3	1.3	2.4	2.4	2.4	2.7
40%	2.2	2.3	1.1	1.2	1.4	1.5	1.1	1.2	2.2	2.3	2.4	2.4
50%	2.2	2.2	1.1	1.1	1.1	1.2	1.1	1.1	2.1	2.2	2.3	2.4
60%	2.2	2.2	1.0	1.1	1.1	1.1	1.0	1.1	2.0	2.1	2.3	2.3
70%	2.1	2.2	0.9	1.0	1.0	1.0	0.9	1.0	2.0	2.1	2.2	2.3
80%	2.1	2.1	0.9	1.0	0.9	0.9	0.9	0.9	2.0	2.1	2.2	2.3
90%	2.0	2.1	0.8	0.9	0.9	0.8	0.7	0.9	1.9	2.0	2.1	2.3
Long Term												
Full Simulation Period[a]	2.3	2.5	1.5	1.7	2.1	2.3	1.7	1.6	2.3	2.3	2.4	2.6
Water Year Types[b]												
Wet (31%)	2.6	3.2	3.0	3.0	3.9	5.1	3.3	2.8	2.9	2.6	2.6	3.2
Above Normal (25%)	2.1	2.1	1.1	2.7	3.5	3.0	2.1	2.0	2.5	2.6	2.5	2.7
Below Normal (6%)	2.2	2.4	0.8	1.3	1.4	1.5	1.2	1.3	2.2	2.2	2.3	2.3
Dry (13%)	2.2	2.3	1.0	1.0	0.9	1.0	0.9	1.0	2.1	2.1	2.2	2.3
Critical (25%)	2.1	2.2	1.0	1.0	1.0	0.9	0.8	0.9	2.0	2.1	2.2	2.3

Alternative 4 H4 (LLT) minus Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0.8	0.7	1.6	1.8	1.4	1.6	1.3	1.2	**-0.7**	**-0.1**	0.5	0.8
20%	0.8	0.9	1.6	1.5	1.3	1.9	1.3	0.4	**-0.6**	0.5	0.7	1.1
30%	0.7	1.0	1.7	1.6	1.4	1.4	1.1	0.8	0.1	0.9	0.8	1.1
40%	0.8	1.0	1.7	1.5	1.2	1.3	1.2	1.1	0.6	1.1	0.9	1.0
50%	0.8	0.9	1.7	1.6	1.5	1.4	1.4	1.2	0.9	1.1	1.0	1.0
60%	0.8	1.0	1.7	1.6	1.5	1.4	1.5	1.3	0.9	1.1	1.0	0.9
70%	0.9	0.9	1.7	1.5	1.5	1.5	1.5	1.3	1.0	1.2	1.0	1.0
80%	0.8	0.9	1.7	1.6	1.5	1.5	1.5	1.3	1.1	1.3	1.0	1.0
90%	0.8	0.9	1.7	1.6	1.5	1.5	1.4	1.3	1.1	1.3	1.0	1.0
Long Term												
Full Simulation Period[a]	0.8	0.9	1.7	1.6	1.4	1.5	1.3	1.2	0.5	0.8	0.8	0.9
Water Year Types[b]												
Wet (31%)	0.7	0.7	1.6	1.6	1.3	1.5	1.2	1.0	**-0.1**	0.3	0.4	0.8
Above Normal (25%)	0.8	0.9	1.8	1.8	1.6	1.6	1.3	1.3	**-0.6**	0.3	0.7	1.1
Below Normal (6%)	0.9	1.1	1.5	1.4	1.2	1.0	1.1	0.6	0.6	1.1	0.8	0.9
Dry (13%)	0.8	0.9	1.7	1.6	1.4	1.4	1.4	1.3	1.0	1.1	1.0	1.0
Critical (25%)	0.8	0.9	1.6	1.6	1.5	1.5	1.5	1.3	1.0	1.3	1.0	1.0

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-27-2-9. Old River at Tracy Blvd, Monthly Averaged Daily Minimum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.7	2.6	1.2	1.7	2.7	3.1	2.3	1.8	3.2	2.8	2.0	2.3
20%	1.6	1.5	-0.4	0.3	1.6	1.6	1.0	1.0	3.0	2.0	1.8	1.7
30%	1.5	1.3	-0.5	0.0	0.6	0.6	0.2	0.5	2.3	1.6	1.6	1.6
40%	1.4	1.3	-0.6	-0.3	0.3	0.2	-0.1	0.1	1.7	1.1	1.5	1.4
50%	1.4	1.3	-0.7	-0.4	-0.3	-0.2	-0.3	-0.1	1.2	1.1	1.3	1.4
60%	1.4	1.2	-0.7	-0.5	-0.4	-0.3	-0.4	-0.2	1.1	1.1	1.2	1.4
70%	1.3	1.2	-0.7	-0.5	-0.5	-0.5	-0.5	-0.3	1.0	0.9	1.2	1.3
80%	1.2	1.2	-0.8	-0.6	-0.5	-0.6	-0.6	-0.4	0.9	0.8	1.1	1.3
90%	1.2	1.2	-0.9	-0.7	-0.6	-0.7	-0.7	-0.4	0.9	0.8	1.1	1.3
Long Term												
Full Simulation Period[a]	1.5	1.6	-0.2	0.1	0.6	0.8	0.3	0.4	1.8	1.5	1.5	1.6
Water Year Types[b]												
Wet (31%)	1.8	2.5	1.3	1.4	2.6	3.5	2.1	1.8	3.0	2.4	2.2	2.4
Above Normal (25%)	1.3	1.2	-0.7	0.9	1.9	1.3	0.8	0.8	3.1	2.4	1.8	1.6
Below Normal (6%)	1.2	1.3	-0.8	-0.1	0.3	0.5	0.1	0.6	1.7	1.1	1.5	1.4
Dry (13%)	1.4	1.3	-0.7	-0.6	-0.5	-0.4	-0.5	-0.2	1.1	1.0	1.2	1.3
Critical (25%)	1.3	1.3	-0.7	-0.6	-0.5	-0.6	-0.6	-0.4	1.0	0.8	1.2	1.3

Alternative 5 (LLT)

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.6	3.3	2.8	3.3	4.0	4.4	3.5	2.9	2.7	2.6	2.5	3.1
20%	2.5	2.4	1.2	1.8	2.8	3.3	2.4	1.9	2.6	2.4	2.4	2.6
30%	2.3	2.3	1.1	1.5	2.1	1.9	1.6	1.7	2.5	2.3	2.4	2.5
40%	2.3	2.2	1.0	1.2	1.5	1.7	1.3	1.4	2.3	2.2	2.3	2.4
50%	2.3	2.1	1.0	1.2	1.2	1.3	1.2	1.3	2.1	2.1	2.3	2.3
60%	2.2	2.1	1.0	1.2	1.2	1.2	1.1	1.2	2.1	2.1	2.3	2.3
70%	2.1	2.1	0.9	1.1	1.0	1.1	1.0	1.1	2.0	2.0	2.2	2.3
80%	2.1	2.0	0.7	1.0	1.0	0.9	1.0	1.1	2.0	2.0	2.2	2.3
90%	2.1	2.0	0.6	0.9	0.9	0.8	0.8	1.0	2.0	2.0	2.1	2.2
Long Term												
Full Simulation Period[a]	2.4	2.4	1.4	1.7	2.1	2.3	1.7	1.7	2.3	2.2	2.3	2.5
Water Year Types[b]												
Wet (31%)	2.7	3.2	2.9	2.9	3.8	4.9	3.3	2.8	2.9	2.6	2.6	3.1
Above Normal (25%)	2.1	2.0	1.1	2.6	3.5	2.9	2.1	2.2	2.6	2.5	2.4	2.5
Below Normal (6%)	2.2	2.4	0.7	1.4	1.5	1.7	1.5	1.6	2.3	2.0	2.3	2.3
Dry (13%)	2.3	2.2	0.8	1.0	1.0	1.1	1.0	1.2	2.1	2.1	2.2	2.3
Critical (25%)	2.2	2.1	1.0	1.1	1.1	1.0	0.9	1.0	2.0	2.1	2.2	2.3

Alternative 5 (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.9	0.7	1.6	1.7	1.3	1.4	1.2	1.1	**-0.5**	**-0.2**	0.5	0.8
20%	0.9	0.9	1.6	1.6	1.1	1.7	1.4	0.9	**-0.5**	0.4	0.7	0.9
30%	0.8	1.0	1.6	1.6	1.5	1.4	1.4	1.2	0.2	0.7	0.8	1.0
40%	0.9	1.0	1.6	1.5	1.3	1.5	1.3	1.3	0.7	1.1	0.8	1.0
50%	0.9	0.9	1.7	1.6	1.6	1.5	1.5	1.4	1.0	1.0	0.9	0.9
60%	0.9	0.9	1.6	1.7	1.6	1.6	1.5	1.4	1.0	1.0	1.0	0.9
70%	0.9	0.8	1.6	1.6	1.5	1.6	1.5	1.4	1.0	1.1	1.0	0.9
80%	0.9	0.8	1.5	1.7	1.5	1.6	1.6	1.4	1.1	1.2	1.1	1.0
90%	0.9	0.8	1.5	1.5	1.5	1.5	1.5	1.4	1.1	1.2	1.0	1.0
Long Term												
Full Simulation Period[a]	0.9	0.8	1.6	1.6	1.4	1.5	1.4	1.3	0.5	0.8	0.8	0.9
Water Year Types[b]												
Wet (31%)	0.9	0.7	1.5	1.5	1.2	1.4	1.2	1.0	**-0.1**	0.2	0.4	0.7
Above Normal (25%)	0.8	0.8	1.8	1.7	1.6	1.5	1.4	1.5	**-0.5**	0.1	0.7	1.0
Below Normal (6%)	1.0	1.0	1.5	1.5	1.3	1.2	1.3	1.0	0.7	0.9	0.8	0.9
Dry (13%)	0.9	0.9	1.6	1.6	1.5	1.5	1.5	1.4	1.0	1.1	1.0	1.0
Critical (25%)	0.9	0.9	1.6	1.7	1.5	1.6	1.5	1.4	1.0	1.2	1.1	1.0

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-27-2-10. Old River at Tracy Blvd, Monthly Averaged Daily Minimum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.7	2.6	1.2	1.7	2.7	3.1	2.3	1.8	3.2	2.8	2.0	2.3
20%	1.6	1.5	-0.4	0.3	1.6	1.6	1.0	1.0	3.0	2.0	1.8	1.7
30%	1.5	1.3	-0.5	0.0	0.6	0.6	0.2	0.5	2.3	1.6	1.6	1.6
40%	1.4	1.3	-0.6	-0.3	0.3	0.2	-0.1	0.1	1.7	1.1	1.5	1.4
50%	1.4	1.3	-0.7	-0.4	-0.3	-0.2	-0.3	-0.1	1.2	1.1	1.3	1.4
60%	1.4	1.2	-0.7	-0.5	-0.4	-0.3	-0.4	-0.2	1.1	1.1	1.2	1.4
70%	1.3	1.2	-0.7	-0.5	-0.5	-0.5	-0.5	-0.3	1.0	0.9	1.2	1.3
80%	1.2	1.2	-0.8	-0.6	-0.5	-0.6	-0.6	-0.4	0.9	0.8	1.1	1.3
90%	1.2	1.2	-0.9	-0.7	-0.6	-0.7	-0.7	-0.4	0.9	0.8	1.1	1.3
Long Term												
Full Simulation Period[a]	1.5	1.6	-0.2	0.1	0.6	0.8	0.3	0.4	1.8	1.5	1.5	1.6
Water Year Types[b]												
Wet (31%)	1.8	2.5	1.3	1.4	2.6	3.5	2.1	1.8	3.0	2.4	2.2	2.4
Above Normal (25%)	1.3	1.2	-0.7	0.9	1.9	1.3	0.8	0.8	3.1	2.4	1.8	1.6
Below Normal (6%)	1.2	1.3	-0.8	-0.1	0.3	0.5	0.1	0.6	1.7	1.1	1.5	1.4
Dry (13%)	1.4	1.3	-0.7	-0.6	-0.5	-0.4	-0.5	-0.2	1.1	1.0	1.2	1.3
Critical (25%)	1.3	1.3	-0.7	-0.6	-0.5	-0.6	-0.6	-0.4	1.0	0.8	1.2	1.3

Alternative 6A,6B,6C (LLT)

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.8	2.2	3.1	3.6	4.3	4.6	3.7	2.9	1.5	1.6	1.6	2.0
20%	1.5	1.5	1.4	2.1	3.2	3.6	2.5	1.8	1.3	1.5	1.6	1.6
30%	1.5	1.4	1.4	1.8	2.4	2.3	1.6	1.6	1.3	1.4	1.5	1.6
40%	1.4	1.3	1.4	1.5	1.9	2.0	1.4	1.3	1.2	1.4	1.4	1.5
50%	1.4	1.3	1.3	1.4	1.4	1.4	1.3	1.3	1.1	1.3	1.4	1.5
60%	1.4	1.3	1.3	1.3	1.4	1.3	1.1	1.2	1.1	1.3	1.4	1.5
70%	1.3	1.2	1.3	1.3	1.3	1.2	1.1	1.1	1.1	1.2	1.3	1.4
80%	1.3	1.2	1.2	1.2	1.2	1.1	1.1	1.0	1.0	1.2	1.3	1.4
90%	1.2	1.1	1.1	1.1	1.1	1.0	0.9	1.0	1.0	1.1	1.3	1.4
Long Term												
Full Simulation Period[a]	1.5	1.5	1.7	2.0	2.3	2.5	1.8	1.7	1.3	1.4	1.5	1.6
Water Year Types[b]												
Wet (31%)	1.8	2.2	3.2	3.1	4.2	5.2	3.5	2.9	2.1	1.8	1.7	2.0
Above Normal (25%)	1.3	1.2	1.4	3.0	3.7	3.1	2.2	2.1	1.3	1.4	1.5	1.5
Below Normal (6%)	1.4	1.4	1.2	1.8	1.9	2.1	1.5	1.5	1.1	1.2	1.3	1.4
Dry (13%)	1.4	1.3	1.3	1.3	1.3	1.3	1.1	1.1	1.1	1.2	1.4	1.5
Critical (25%)	1.4	1.3	1.2	1.2	1.2	1.1	1.0	1.0	1.0	1.2	1.4	1.4

Alternative 6A,6B,6C (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.0	**-0.4**	1.9	2.0	1.6	1.6	1.4	1.1	**-1.7**	**-1.3**	**-0.4**	**-0.3**
20%	**-0.1**	0.0	1.8	1.8	1.6	2.0	1.5	0.8	**-1.7**	**-0.5**	**-0.2**	**-0.1**
30%	**0.0**	0.1	1.9	1.9	1.8	1.7	1.5	1.1	**-1.1**	**-0.1**	**-0.1**	**0.0**
40%	0.0	0.1	2.0	1.9	1.7	1.8	1.4	1.2	**-0.5**	0.2	**-0.1**	0.1
50%	0.0	0.1	2.0	1.8	1.7	1.7	1.6	1.4	**0.0**	0.2	0.1	0.1
60%	0.0	0.0	2.0	1.8	1.8	1.7	1.6	1.4	**0.0**	0.2	0.2	0.1
70%	0.1	**0.0**	2.0	1.8	1.8	1.7	1.6	1.4	0.0	0.3	0.2	0.1
80%	0.1	**-0.1**	1.9	1.8	1.8	1.7	1.6	1.4	0.1	0.4	0.2	0.1
90%	0.0	**-0.1**	1.9	1.8	1.7	1.7	1.6	1.3	0.1	0.3	0.2	0.1
Long Term												
Full Simulation Period[a]	**0.0**	**-0.1**	1.9	1.8	1.7	1.7	1.5	1.3	**-0.5**	**-0.1**	**-0.1**	**0.0**
Water Year Types[b]												
Wet (31%)	**-0.1**	**-0.3**	1.9	1.7	1.6	1.7	1.4	1.1	**-0.9**	**-0.6**	**-0.5**	**-0.4**
Above Normal (25%)	**0.0**	0.0	2.0	2.1	1.9	1.7	1.5	1.3	**-1.8**	**-0.9**	**-0.2**	**0.0**
Below Normal (6%)	0.2	0.0	1.9	1.9	1.7	1.6	1.4	0.9	**-0.5**	0.1	**-0.1**	0.0
Dry (13%)	**0.0**	**-0.1**	2.0	1.9	1.8	1.7	1.6	1.4	0.0	0.2	0.2	0.1
Critical (25%)	0.0	**0.0**	1.9	1.8	1.7	1.7	1.6	1.4	0.0	0.4	0.2	0.1

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-27-2-11. Old River at Tracy Blvd, Monthly Averaged Daily Minimum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.7	2.6	1.2	1.7	2.7	3.1	2.3	1.8	3.2	2.8	2.0	2.3
20%	1.6	1.5	-0.4	0.3	1.6	1.6	1.0	1.0	3.0	2.0	1.8	1.7
30%	1.5	1.3	-0.5	0.0	0.6	0.6	0.2	0.5	2.3	1.6	1.6	1.6
40%	1.4	1.3	-0.6	-0.3	0.3	0.2	-0.1	0.1	1.7	1.1	1.5	1.4
50%	1.4	1.3	-0.7	-0.4	-0.3	-0.2	-0.3	-0.1	1.2	1.1	1.3	1.4
60%	1.4	1.2	-0.7	-0.5	-0.4	-0.3	-0.4	-0.2	1.1	1.1	1.2	1.4
70%	1.3	1.2	-0.7	-0.5	-0.5	-0.5	-0.5	-0.3	1.0	0.9	1.2	1.3
80%	1.2	1.2	-0.8	-0.6	-0.5	-0.6	-0.6	-0.4	0.9	0.8	1.1	1.3
90%	1.2	1.2	-0.9	-0.7	-0.6	-0.7	-0.7	-0.4	0.9	0.8	1.1	1.3
Long Term												
Full Simulation Period[a]	1.5	1.6	-0.2	0.1	0.6	0.8	0.3	0.4	1.8	1.5	1.5	1.6
Water Year Types[b]												
Wet (31%)	1.8	2.5	1.3	1.4	2.6	3.5	2.1	1.8	3.0	2.4	2.2	2.4
Above Normal (25%)	1.3	1.2	-0.7	0.9	1.9	1.3	0.8	0.8	3.1	2.4	1.8	1.6
Below Normal (6%)	1.2	1.3	-0.8	-0.1	0.3	0.5	0.1	0.6	1.7	1.1	1.5	1.4
Dry (13%)	1.4	1.3	-0.7	-0.6	-0.5	-0.4	-0.5	-0.2	1.1	1.0	1.2	1.3
Critical (25%)	1.3	1.3	-0.7	-0.6	-0.5	-0.6	-0.6	-0.4	1.0	0.8	1.2	1.3

Alternative 7 (LLT)

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.8	2.2	2.9	3.5	4.0	4.6	3.7	2.9	1.5	1.2	1.3	2.0
20%	1.5	1.5	1.4	2.1	3.0	3.4	2.5	1.8	1.4	1.1	1.3	1.7
30%	1.5	1.4	1.4	1.8	2.3	2.2	1.7	1.6	1.3	1.1	1.2	1.5
40%	1.4	1.3	1.4	1.5	1.8	2.0	1.4	1.3	1.2	1.0	1.2	1.4
50%	1.4	1.3	1.3	1.4	1.4	1.4	1.3	1.3	1.1	1.0	1.2	1.3
60%	1.4	1.3	1.3	1.3	1.4	1.3	1.1	1.2	1.1	0.9	1.1	1.3
70%	1.3	1.2	1.3	1.3	1.3	1.2	1.1	1.1	1.1	0.9	1.1	1.3
80%	1.3	1.2	1.2	1.2	1.2	1.1	1.1	1.0	1.1	0.9	1.1	1.2
90%	1.2	1.1	1.1	1.1	1.1	1.0	0.9	1.0	1.0	0.8	1.0	1.1
Long Term												
Full Simulation Period[a]	1.5	1.5	1.7	1.9	2.3	2.4	1.8	1.7	1.4	1.1	1.2	1.5
Water Year Types[b]												
Wet (31%)	1.8	2.2	3.0	3.0	4.1	5.1	3.5	2.9	2.1	1.4	1.3	2.0
Above Normal (25%)	1.3	1.2	1.4	2.9	3.5	3.0	2.3	2.1	1.3	1.1	1.1	1.5
Below Normal (6%)	1.4	1.4	1.2	1.7	1.8	2.0	1.6	1.5	1.2	0.8	1.1	1.1
Dry (13%)	1.4	1.3	1.3	1.2	1.3	1.3	1.1	1.1	1.1	0.8	1.1	1.2
Critical (25%)	1.3	1.3	1.2	1.2	1.2	1.1	1.0	1.0	1.0	1.0	1.2	1.3

Alternative 7 (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.0	-0.4	1.7	1.9	1.3	1.5	1.4	1.1	-1.7	-1.6	-0.7	-0.3
20%	-0.1	0.0	1.8	1.8	1.4	1.8	1.5	0.8	-1.7	-0.9	-0.5	-0.1
30%	0.0	0.1	1.9	1.8	1.7	1.6	1.5	1.1	-1.0	-0.4	-0.4	0.0
40%	0.0	0.1	2.0	1.8	1.6	1.8	1.4	1.2	-0.5	-0.1	-0.3	-0.1
50%	0.0	0.1	2.0	1.8	1.7	1.7	1.6	1.4	0.0	-0.1	-0.2	-0.1
60%	0.0	0.0	2.0	1.8	1.8	1.7	1.6	1.4	0.0	-0.1	-0.1	-0.1
70%	0.1	0.0	2.0	1.8	1.8	1.7	1.6	1.4	0.1	0.0	-0.1	-0.1
80%	0.0	-0.1	1.9	1.8	1.8	1.7	1.6	1.4	0.1	0.1	-0.1	-0.1
90%	0.0	-0.1	1.9	1.8	1.7	1.7	1.6	1.4	0.1	0.0	-0.1	-0.2
Long Term												
Full Simulation Period[a]	0.0	-0.1	1.9	1.8	1.6	1.6	1.5	1.3	-0.5	-0.4	-0.3	-0.2
Water Year Types[b]												
Wet (31%)	-0.1	-0.3	1.7	1.6	1.5	1.6	1.4	1.1	-0.9	-0.9	-0.9	-0.4
Above Normal (25%)	0.0	0.0	2.0	2.0	1.6	1.7	1.5	1.4	-1.8	-1.3	-0.6	0.0
Below Normal (6%)	0.2	0.0	1.9	1.8	1.6	1.4	1.4	0.9	-0.5	-0.3	-0.4	-0.3
Dry (13%)	0.0	-0.1	2.0	1.9	1.8	1.7	1.6	1.4	0.0	-0.2	-0.1	-0.1
Critical (25%)	0.0	0.0	1.9	1.8	1.7	1.7	1.6	1.4	0.1	0.2	0.0	0.0

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-27-2-12. Old River at Tracy Blvd, Monthly Averaged Daily Minimum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.7	2.6	1.2	1.7	2.7	3.1	2.3	1.8	3.2	2.8	2.0	2.3
20%	1.6	1.5	-0.4	0.3	1.6	1.6	1.0	1.0	3.0	2.0	1.8	1.7
30%	1.5	1.3	-0.5	0.0	0.6	0.6	0.2	0.5	2.3	1.6	1.6	1.6
40%	1.4	1.3	-0.6	-0.3	0.3	0.2	-0.1	0.1	1.7	1.1	1.5	1.4
50%	1.4	1.3	-0.7	-0.4	-0.3	-0.2	-0.3	-0.1	1.2	1.1	1.3	1.4
60%	1.4	1.2	-0.7	-0.5	-0.4	-0.3	-0.4	-0.2	1.1	1.1	1.2	1.4
70%	1.3	1.2	-0.7	-0.5	-0.5	-0.5	-0.5	-0.3	1.0	0.9	1.2	1.3
80%	1.2	1.2	-0.8	-0.6	-0.5	-0.6	-0.6	-0.4	0.9	0.8	1.1	1.3
90%	1.2	1.2	-0.9	-0.7	-0.6	-0.7	-0.7	-0.4	0.9	0.8	1.1	1.3
Long Term												
Full Simulation Period[a]	1.5	1.6	-0.2	0.1	0.6	0.8	0.3	0.4	1.8	1.5	1.5	1.6
Water Year Types[b]												
Wet (31%)	1.8	2.5	1.3	1.4	2.6	3.5	2.1	1.8	3.0	2.4	2.2	2.4
Above Normal (25%)	1.3	1.2	-0.7	0.9	1.9	1.3	0.8	0.8	3.1	2.4	1.8	1.6
Below Normal (6%)	1.2	1.3	-0.8	-0.1	0.3	0.5	0.1	0.6	1.7	1.1	1.5	1.4
Dry (13%)	1.4	1.3	-0.7	-0.6	-0.5	-0.4	-0.5	-0.2	1.1	1.0	1.2	1.3
Critical (25%)	1.3	1.3	-0.7	-0.6	-0.5	-0.6	-0.6	-0.4	1.0	0.8	1.2	1.3

Alternative 8 (LLT)

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.8	2.2	3.0	3.4	4.1	4.6	3.7	3.0	1.5	1.5	1.3	2.0
20%	1.5	1.5	1.4	2.0	3.0	3.4	2.6	1.8	1.4	1.3	1.3	1.7
30%	1.4	1.4	1.4	1.8	2.3	2.2	1.7	1.6	1.3	1.3	1.2	1.6
40%	1.4	1.4	1.4	1.5	1.8	2.0	1.4	1.3	1.2	1.2	1.2	1.4
50%	1.4	1.3	1.3	1.4	1.4	1.5	1.3	1.3	1.1	1.1	1.2	1.3
60%	1.4	1.3	1.3	1.3	1.4	1.4	1.2	1.2	1.1	1.0	1.1	1.3
70%	1.3	1.2	1.3	1.3	1.3	1.2	1.1	1.1	1.1	1.0	1.1	1.3
80%	1.3	1.2	1.2	1.2	1.2	1.1	1.1	1.0	1.1	1.0	1.0	1.2
90%	1.2	1.1	1.1	1.1	1.1	1.0	0.9	1.0	1.0	0.9	1.0	1.2
Long Term												
Full Simulation Period[a]	1.5	1.5	1.7	1.9	2.3	2.4	1.9	1.7	1.4	1.2	1.2	1.5
Water Year Types[b]												
Wet (31%)	1.8	2.1	3.0	3.0	4.0	5.1	3.5	2.9	2.1	1.6	1.3	2.0
Above Normal (25%)	1.3	1.2	1.4	2.8	3.6	3.0	2.3	2.2	1.3	1.3	1.2	1.6
Below Normal (6%)	1.4	1.4	1.2	1.7	1.8	2.0	1.6	1.5	1.2	0.9	1.0	1.2
Dry (13%)	1.4	1.3	1.3	1.3	1.3	1.3	1.1	1.1	1.1	1.1	1.1	1.2
Critical (25%)	1.3	1.3	1.2	1.2	1.2	1.1	1.0	1.0	1.0	1.0	1.2	1.3

Alternative 8 (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.0	-0.4	1.7	1.7	1.4	1.5	1.4	1.2	-1.7	-1.4	-0.7	-0.3
20%	-0.1	0.0	1.8	1.8	1.3	1.8	1.5	0.8	-1.7	-0.7	-0.5	0.0
30%	0.0	0.1	1.9	1.9	1.7	1.6	1.5	1.1	-1.0	-0.3	-0.4	0.0
40%	0.0	0.1	2.0	1.9	1.6	1.8	1.4	1.2	-0.5	0.1	-0.3	-0.1
50%	0.0	0.1	2.0	1.8	1.8	1.7	1.6	1.4	0.0	0.0	-0.2	-0.1
60%	0.0	0.0	2.0	1.8	1.8	1.7	1.6	1.4	0.0	0.0	-0.1	-0.1
70%	0.1	0.0	2.0	1.8	1.8	1.7	1.6	1.4	0.1	0.1	-0.1	-0.1
80%	0.0	-0.1	1.9	1.8	1.8	1.7	1.7	1.4	0.1	0.2	-0.1	-0.1
90%	0.0	-0.1	1.9	1.8	1.7	1.8	1.6	1.4	0.1	0.1	-0.1	-0.1
Long Term												
Full Simulation Period[a]	0.0	-0.1	1.9	1.8	1.6	1.6	1.5	1.3	-0.5	-0.3	-0.4	-0.1
Water Year Types[b]												
Wet (31%)	-0.1	-0.3	1.7	1.6	1.4	1.6	1.4	1.1	-0.9	-0.8	-0.9	-0.4
Above Normal (25%)	0.0	0.0	2.0	1.9	1.7	1.7	1.5	1.4	-1.8	-1.1	-0.6	0.0
Below Normal (6%)	0.2	0.0	1.9	1.8	1.6	1.5	1.4	0.9	-0.5	-0.2	-0.5	-0.2
Dry (13%)	0.0	0.0	2.0	1.9	1.8	1.7	1.6	1.4	0.0	0.1	-0.1	-0.1
Critical (25%)	0.0	0.0	1.9	1.8	1.7	1.7	1.6	1.4	0.1	0.2	0.0	0.0

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-27-2-13. Old River at Tracy Blvd, Monthly Averaged Daily Minimum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.7	2.6	1.2	1.7	2.7	3.1	2.3	1.8	3.2	2.8	2.0	2.3
20%	1.6	1.5	-0.4	0.3	1.6	1.6	1.0	1.0	3.0	2.0	1.8	1.7
30%	1.5	1.3	-0.5	0.0	0.6	0.6	0.2	0.5	2.3	1.6	1.6	1.6
40%	1.4	1.3	-0.6	-0.3	0.3	0.2	-0.1	0.1	1.7	1.1	1.5	1.4
50%	1.4	1.3	-0.7	-0.4	-0.3	-0.2	-0.3	-0.1	1.2	1.1	1.3	1.4
60%	1.4	1.2	-0.7	-0.5	-0.4	-0.3	-0.4	-0.2	1.1	1.1	1.2	1.4
70%	1.3	1.2	-0.7	-0.5	-0.5	-0.5	-0.5	-0.3	1.0	0.9	1.2	1.3
80%	1.2	1.2	-0.8	-0.6	-0.5	-0.6	-0.6	-0.4	0.9	0.8	1.1	1.3
90%	1.2	1.2	-0.9	-0.7	-0.6	-0.7	-0.7	-0.4	0.9	0.8	1.1	1.3
Long Term												
Full Simulation Period[a]	1.5	1.6	-0.2	0.1	0.6	0.8	0.3	0.4	1.8	1.5	1.5	1.6
Water Year Types[b]												
Wet (31%)	1.8	2.5	1.3	1.4	2.6	3.5	2.1	1.8	3.0	2.4	2.2	2.4
Above Normal (25%)	1.3	1.2	-0.7	0.9	1.9	1.3	0.8	0.8	3.1	2.4	1.8	1.6
Below Normal (6%)	1.2	1.3	-0.8	-0.1	0.3	0.5	0.1	0.6	1.7	1.1	1.5	1.4
Dry (13%)	1.4	1.3	-0.7	-0.6	-0.5	-0.4	-0.5	-0.2	1.1	1.0	1.2	1.3
Critical (25%)	1.3	1.3	-0.7	-0.6	-0.5	-0.6	-0.6	-0.4	1.0	0.8	1.2	1.3

Alternative 9 (LLT)

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.5	2.5	3.1	3.7	4.4	4.6	3.8	3.3	2.3	2.2	2.1	2.7
20%	2.2	2.1	1.9	2.7	3.3	3.2	2.9	3.1	2.1	2.0	2.0	2.3
30%	2.0	1.9	1.8	2.6	3.2	3.1	2.8	2.7	2.0	1.9	1.9	2.1
40%	2.0	1.9	1.8	2.1	2.7	3.0	2.5	2.3	1.7	1.8	1.8	2.0
50%	1.9	1.8	1.8	1.9	1.9	2.0	2.0	1.9	1.5	1.6	1.8	1.9
60%	1.9	1.8	1.7	1.8	1.9	1.9	1.7	1.7	1.4	1.6	1.7	1.8
70%	1.9	1.7	1.7	1.7	1.8	1.7	1.6	1.6	1.4	1.6	1.7	1.8
80%	1.7	1.6	1.7	1.7	1.7	1.5	1.5	1.5	1.4	1.5	1.6	1.8
90%	1.6	1.5	1.5	1.6	1.6	1.4	1.4	1.4	1.3	1.4	1.6	1.7
Long Term												
Full Simulation Period[a]	2.0	1.9	2.1	2.4	2.8	2.9	2.4	2.3	1.8	1.8	1.9	2.1
Water Year Types[b]												
Wet (31%)	2.3	2.4	3.3	3.4	4.5	5.4	3.8	3.5	2.5	2.2	2.2	2.8
Above Normal (25%)	1.8	1.7	1.8	3.5	4.0	3.4	2.9	2.9	2.2	2.1	2.0	2.1
Below Normal (6%)	2.0	2.0	1.7	2.6	2.7	3.0	2.7	2.7	1.7	1.6	1.7	1.8
Dry (13%)	2.0	1.8	1.7	1.8	1.8	1.8	1.7	1.7	1.4	1.6	1.7	1.9
Critical (25%)	1.8	1.7	1.7	1.7	1.7	1.5	1.5	1.5	1.3	1.5	1.7	1.8

Alternative 9 (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.8	**-0.1**	1.8	2.1	1.7	1.6	1.4	1.5	**-1.0**	**-0.6**	0.0	0.4
20%	0.7	0.6	2.3	2.5	1.7	1.6	1.9	2.1	**-1.0**	**0.0**	0.2	0.5
30%	0.5	0.6	2.4	2.7	2.5	2.5	2.6	2.1	**-0.4**	0.3	0.3	0.6
40%	0.5	0.6	2.4	2.4	2.4	2.8	2.6	2.2	0.1	0.7	0.4	0.6
50%	0.6	0.5	2.5	2.4	2.3	2.2	2.3	2.0	0.3	0.5	0.5	0.5
60%	0.6	0.5	2.4	2.3	2.3	2.2	2.2	1.9	0.3	0.5	0.5	0.4
70%	0.6	0.5	2.4	2.3	2.3	2.2	2.1	1.9	0.4	0.7	0.6	0.5
80%	0.4	0.4	2.4	2.3	2.2	2.2	2.1	1.9	0.4	0.7	0.5	0.5
90%	0.4	0.3	2.4	2.2	2.2	2.2	2.1	1.8	0.4	0.7	0.5	0.5
Long Term												
Full Simulation Period[a]	0.5	0.3	2.3	2.3	2.1	2.1	2.1	1.9	**0.0**	0.3	0.4	0.5
Water Year Types[b]												
Wet (31%)	0.5	**-0.1**	2.0	2.0	1.9	1.9	1.7	1.7	**-0.5**	**-0.2**	0.0	0.4
Above Normal (25%)	0.4	0.5	2.4	2.6	2.2	2.1	2.2	2.1	**-0.9**	**-0.3**	0.2	0.6
Below Normal (6%)	0.7	0.6	2.4	2.7	2.4	2.5	2.6	2.1	0.1	0.5	0.3	0.4
Dry (13%)	0.6	0.5	2.4	2.4	2.3	2.2	2.2	1.9	0.4	0.6	0.5	0.5
Critical (25%)	0.5	0.5	2.3	2.2	2.2	2.1	2.1	1.8	0.4	0.7	0.5	0.5

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-27-2-14. Old River at Tracy Blvd, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.5	3.2	2.3	3.1	3.7	4.1	3.3	2.7	2.7	2.5	2.3	2.8
20%	2.3	2.1	0.8	1.5	2.5	3.1	2.1	1.7	2.5	2.3	2.2	2.5
30%	2.2	2.1	0.7	1.2	1.7	1.6	1.3	1.5	2.4	2.2	2.2	2.3
40%	2.2	2.1	0.7	0.9	1.2	1.4	1.0	1.1	2.2	2.0	2.1	2.2
50%	2.1	2.0	0.6	0.8	0.8	0.9	0.8	1.0	2.0	1.9	2.1	2.2
60%	2.1	1.9	0.6	0.6	0.7	0.8	0.7	0.9	1.9	1.8	2.1	2.1
70%	2.1	1.9	0.5	0.6	0.7	0.7	0.7	0.9	1.9	1.8	2.0	2.1
80%	2.0	1.9	0.4	0.5	0.7	0.5	0.6	0.8	1.8	1.8	2.0	2.1
90%	2.0	1.9	0.3	0.5	0.6	0.4	0.4	0.8	1.8	1.7	2.0	2.0
Long Term												
Full Simulation Period[a]	2.2	2.2	1.0	1.3	1.7	1.9	1.4	1.5	2.2	2.0	2.2	2.3
Water Year Types[b]												
Wet (31%)	2.6	3.0	2.5	2.5	3.5	4.6	3.0	2.6	2.8	2.4	2.4	2.9
Above Normal (25%)	2.1	1.9	0.7	2.4	3.1	2.5	1.9	2.1	2.6	2.4	2.2	2.3
Below Normal (6%)	2.1	2.1	0.3	1.1	1.2	1.4	1.2	1.4	2.2	1.8	2.1	2.0
Dry (13%)	2.2	2.0	0.5	0.6	0.6	0.7	0.7	0.9	1.9	1.8	2.0	2.1
Critical (25%)	2.1	2.0	0.6	0.6	0.7	0.6	0.6	0.8	1.8	1.8	2.1	2.1

Alternative 1A,1B,1C (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.6	2.0	3.0	3.6	4.3	4.6	3.7	2.7	1.4	1.4	1.4	1.6
20%	1.3	1.2	1.3	2.0	3.2	3.6	2.3	1.5	1.2	1.3	1.4	1.4
30%	1.2	1.2	1.2	1.7	2.4	2.3	1.4	1.4	1.2	1.2	1.3	1.4
40%	1.2	1.1	1.1	1.4	1.7	2.0	1.1	1.2	1.1	1.2	1.2	1.3
50%	1.1	1.1	1.0	1.2	1.2	1.3	1.1	1.1	1.0	1.1	1.2	1.3
60%	1.1	1.1	1.0	1.1	1.2	1.2	1.1	1.1	1.0	1.1	1.2	1.3
70%	1.1	1.0	0.9	1.0	1.1	1.1	1.0	1.0	1.0	1.1	1.1	1.3
80%	1.1	0.9	0.7	1.0	1.0	0.9	1.0	0.9	1.0	1.1	1.1	1.3
90%	1.0	0.9	0.7	1.0	1.0	0.9	0.8	0.9	0.9	1.0	1.1	1.1
Long Term												
Full Simulation Period[a]	1.3	1.3	1.5	1.8	2.2	2.4	1.7	1.6	1.3	1.2	1.2	1.4
Water Year Types[b]												
Wet (31%)	1.6	2.0	3.0	3.1	4.2	5.2	3.4	2.8	2.0	1.6	1.4	1.8
Above Normal (25%)	1.2	1.1	1.1	2.9	3.7	3.1	2.2	1.8	1.1	1.2	1.2	1.3
Below Normal (6%)	1.1	1.2	0.7	1.5	1.7	2.1	1.3	1.3	1.1	1.1	1.1	1.1
Dry (13%)	1.1	1.0	0.9	1.1	1.1	1.1	1.0	1.1	1.0	1.0	1.1	1.2
Critical (25%)	1.2	1.0	1.0	1.1	1.1	1.0	0.9	0.9	0.9	1.1	1.2	1.3

Alternative 1A,1B,1C (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-0.9	-1.2	0.7	0.5	0.6	0.5	0.4	0.0	-1.3	-1.1	-0.9	-1.2
20%	-1.0	-0.9	0.5	0.5	0.7	0.5	0.2	-0.2	-1.3	-1.0	-0.9	-1.1
30%	-1.0	-0.9	0.5	0.6	0.7	0.7	0.1	-0.1	-1.3	-1.0	-0.9	-0.9
40%	-1.0	-1.0	0.4	0.5	0.5	0.6	0.2	0.1	-1.1	-0.8	-0.9	-0.9
50%	-1.0	-0.9	0.4	0.4	0.4	0.4	0.3	0.1	-1.0	-0.8	-0.9	-0.8
60%	-1.0	-0.9	0.4	0.5	0.5	0.4	0.3	0.1	-0.9	-0.8	-0.9	-0.8
70%	-1.0	-0.9	0.4	0.4	0.4	0.4	0.4	0.2	-0.9	-0.8	-0.9	-0.8
80%	-0.9	-1.0	0.3	0.5	0.3	0.4	0.4	0.1	-0.8	-0.7	-0.9	-0.8
90%	-1.0	-1.0	0.3	0.5	0.4	0.4	0.3	0.1	-0.9	-0.8	-0.9	-0.9
Long Term												
Full Simulation Period[a]	-1.0	-1.0	0.4	0.5	0.5	0.5	0.3	0.1	-0.9	-0.8	-0.9	-0.9
Water Year Types[b]												
Wet (31%)	-1.0	-1.0	0.5	0.6	0.7	0.6	0.3	0.1	-0.7	-0.9	-1.0	-1.1
Above Normal (25%)	-0.9	-0.8	0.4	0.5	0.6	0.6	0.3	-0.2	-1.5	-1.2	-1.0	-1.0
Below Normal (6%)	-1.0	-1.0	0.4	0.4	0.5	0.7	0.1	-0.1	-1.1	-0.7	-1.0	-0.9
Dry (13%)	-1.1	-1.0	0.5	0.5	0.4	0.4	0.3	0.2	-0.9	-0.8	-0.9	-0.9
Critical (25%)	-0.9	-0.9	0.4	0.4	0.4	0.4	0.3	0.1	-0.9	-0.7	-0.9	-0.8

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-27-2-15. Old River at Tracy Blvd, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.5	3.2	2.3	3.1	3.7	4.1	3.3	2.7	2.7	2.5	2.3	2.8
20%	2.3	2.1	0.8	1.5	2.5	3.1	2.1	1.7	2.5	2.3	2.2	2.5
30%	2.2	2.1	0.7	1.2	1.7	1.6	1.3	1.5	2.4	2.2	2.2	2.3
40%	2.2	2.1	0.7	0.9	1.2	1.4	1.0	1.1	2.2	2.0	2.1	2.2
50%	2.1	2.0	0.6	0.8	0.8	0.9	0.8	1.0	2.0	1.9	2.1	2.2
60%	2.1	1.9	0.6	0.6	0.7	0.8	0.7	0.9	1.9	1.8	2.1	2.1
70%	2.1	1.9	0.5	0.6	0.7	0.7	0.7	0.9	1.9	1.8	2.0	2.1
80%	2.0	1.9	0.4	0.5	0.7	0.5	0.6	0.8	1.8	1.8	2.0	2.1
90%	2.0	1.9	0.3	0.5	0.6	0.4	0.4	0.8	1.8	1.7	2.0	2.0
Long Term												
Full Simulation Period[a]	2.2	2.2	1.0	1.3	1.7	1.9	1.4	1.5	2.2	2.0	2.2	2.3
Water Year Types[b]												
Wet (31%)	2.6	3.0	2.5	2.5	3.5	4.6	3.0	2.6	2.8	2.4	2.4	2.9
Above Normal (25%)	2.1	1.9	0.7	2.4	3.1	2.5	1.9	2.1	2.6	2.4	2.2	2.3
Below Normal (6%)	2.1	2.1	0.3	1.1	1.2	1.4	1.2	1.4	2.2	1.8	2.1	2.0
Dry (13%)	2.2	2.0	0.5	0.6	0.6	0.7	0.7	0.9	1.9	1.8	2.0	2.1
Critical (25%)	2.1	2.0	0.6	0.6	0.7	0.6	0.6	0.8	1.8	1.8	2.1	2.1

Alternative 2A,2B,2C (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.5	3.3	3.1	3.5	4.2	4.6	3.7	2.9	2.6	2.6	2.6	3.1
20%	2.3	2.4	1.3	1.8	3.1	3.6	2.4	1.4	2.4	2.5	2.4	2.8
30%	2.2	2.4	1.1	1.5	2.2	2.0	1.3	1.3	2.4	2.3	2.4	2.6
40%	2.2	2.3	1.1	1.2	1.4	1.5	1.1	1.2	2.2	2.2	2.4	2.4
50%	2.2	2.2	1.0	1.1	1.1	1.2	1.0	1.1	2.1	2.2	2.3	2.4
60%	2.2	2.2	1.0	1.1	1.1	1.1	1.0	1.1	2.0	2.1	2.3	2.4
70%	2.1	2.2	0.9	1.0	1.0	1.0	0.9	1.0	2.0	2.1	2.2	2.3
80%	2.1	2.1	0.9	1.0	0.9	0.8	0.9	0.9	2.0	2.0	2.2	2.3
90%	2.0	2.1	0.8	1.0	0.9	0.8	0.7	0.9	1.9	2.0	2.1	2.2
Long Term												
Full Simulation Period[a]	2.3	2.5	1.5	1.7	2.1	2.3	1.6	1.6	2.3	2.3	2.4	2.6
Water Year Types[b]												
Wet (31%)	2.5	3.3	3.1	3.0	4.0	5.1	3.3	2.8	2.9	2.6	2.7	3.2
Above Normal (25%)	2.1	2.1	1.1	2.7	3.6	3.0	2.0	2.0	2.5	2.4	2.4	2.6
Below Normal (6%)	2.2	2.4	0.7	1.3	1.4	1.5	1.2	1.2	2.2	2.2	2.3	2.3
Dry (13%)	2.2	2.3	1.0	1.0	0.9	1.0	0.9	1.0	2.0	2.1	2.2	2.3
Critical (25%)	2.1	2.2	1.0	1.0	1.0	0.9	0.8	0.9	1.9	2.1	2.2	2.3

Alternative 2A,2B,2C (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.0	0.2	0.7	0.5	0.5	0.5	0.4	0.2	**-0.1**	0.1	0.3	0.3
20%	0.1	0.3	0.5	0.3	0.6	0.5	0.2	**-0.3**	**-0.1**	0.2	0.2	0.3
30%	0.0	0.3	0.4	0.4	0.4	0.4	**0.0**	**-0.2**	**-0.1**	0.1	0.3	0.3
40%	0.0	0.2	0.4	0.3	0.2	0.2	0.1	0.1	**0.0**	0.2	0.2	0.2
50%	0.1	0.2	0.4	0.3	0.3	0.3	0.2	0.1	0.1	0.3	0.2	0.2
60%	0.1	0.3	0.4	0.5	0.4	0.3	0.3	0.1	0.1	0.3	0.2	0.2
70%	0.1	0.2	0.4	0.4	0.3	0.3	0.3	0.1	0.1	0.3	0.2	0.2
80%	0.1	0.2	0.5	0.5	0.3	0.3	0.3	0.1	0.2	0.2	0.2	0.2
90%	0.0	0.2	0.5	0.5	0.3	0.3	0.2	0.1	0.1	0.3	0.2	0.2
Long Term												
Full Simulation Period[a]	0.0	0.2	0.5	0.4	0.4	0.3	0.2	0.1	0.1	0.2	0.2	0.3
Water Year Types[b]												
Wet (31%)	**-0.1**	0.2	0.6	0.5	0.5	0.5	0.3	0.1	0.1	0.2	0.3	0.3
Above Normal (25%)	0.0	0.2	0.4	0.4	0.5	0.4	0.1	**-0.1**	**-0.1**	0.0	0.2	0.4
Below Normal (6%)	0.1	0.3	0.4	0.2	0.2	0.1	0.0	**-0.1**	**0.0**	0.4	0.2	0.3
Dry (13%)	0.0	0.2	0.5	0.4	0.3	0.3	0.2	0.1	0.1	0.3	0.2	0.2
Critical (25%)	0.1	0.2	0.4	0.4	0.3	0.3	0.3	0.1	0.1	0.3	0.1	0.2

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-27-2-16. Old River at Tracy Blvd, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.5	3.2	2.3	3.1	3.7	4.1	3.3	2.7	2.7	2.5	2.3	2.8
20%	2.3	2.1	0.8	1.5	2.5	3.1	2.1	1.7	2.5	2.3	2.2	2.5
30%	2.2	2.1	0.7	1.2	1.7	1.6	1.3	1.5	2.4	2.2	2.2	2.3
40%	2.2	2.1	0.7	0.9	1.2	1.4	1.0	1.1	2.2	2.0	2.1	2.2
50%	2.1	2.0	0.6	0.8	0.8	0.9	0.8	1.0	2.0	1.9	2.1	2.2
60%	2.1	1.9	0.6	0.6	0.7	0.8	0.7	0.9	1.9	1.8	2.1	2.1
70%	2.1	1.9	0.5	0.6	0.7	0.7	0.7	0.9	1.9	1.8	2.0	2.1
80%	2.0	1.9	0.4	0.5	0.7	0.5	0.6	0.8	1.8	1.8	2.0	2.1
90%	2.0	1.9	0.3	0.5	0.6	0.4	0.4	0.8	1.8	1.7	2.0	2.0
Long Term												
Full Simulation Period[a]	2.2	2.2	1.0	1.3	1.7	1.9	1.4	1.5	2.2	2.0	2.2	2.3
Water Year Types[b]												
Wet (31%)	2.6	3.0	2.5	2.5	3.5	4.6	3.0	2.6	2.8	2.4	2.4	2.9
Above Normal (25%)	2.1	1.9	0.7	2.4	3.1	2.5	1.9	2.1	2.6	2.4	2.2	2.3
Below Normal (6%)	2.1	2.1	0.3	1.1	1.2	1.4	1.2	1.4	2.2	1.8	2.1	2.0
Dry (13%)	2.2	2.0	0.5	0.6	0.6	0.7	0.7	0.9	1.9	1.8	2.0	2.1
Critical (25%)	2.1	2.0	0.6	0.6	0.7	0.6	0.6	0.8	1.8	1.8	2.1	2.1

Alternative 3 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.5	1.8	2.9	3.5	4.1	4.6	3.5	2.6	1.3	1.4	1.4	1.6
20%	1.3	1.1	1.2	1.9	3.1	3.5	2.3	1.5	1.2	1.4	1.4	1.4
30%	1.2	1.1	1.2	1.5	2.2	2.2	1.4	1.4	1.2	1.2	1.3	1.4
40%	1.2	1.1	1.0	1.4	1.7	1.8	1.1	1.2	1.1	1.1	1.2	1.3
50%	1.1	1.0	1.0	1.2	1.3	1.3	1.1	1.1	1.0	1.1	1.2	1.3
60%	1.1	1.0	0.9	1.2	1.2	1.2	1.0	1.1	1.0	1.1	1.2	1.3
70%	1.1	1.0	0.9	1.1	1.1	1.1	1.0	1.0	1.0	1.1	1.1	1.2
80%	1.1	1.0	0.9	1.0	1.0	0.9	1.0	0.9	1.0	1.0	1.1	1.2
90%	1.0	0.9	0.6	1.0	1.0	0.9	0.8	0.9	0.9	0.9	1.0	1.1
Long Term												
Full Simulation Period[a]	1.2	1.2	1.4	1.8	2.2	2.4	1.7	1.5	1.2	1.2	1.2	1.3
Water Year Types[b]												
Wet (31%)	1.6	1.9	3.0	2.9	4.1	5.1	3.2	2.7	1.9	1.5	1.4	1.6
Above Normal (25%)	1.1	1.0	1.1	2.8	3.6	3.0	2.1	1.8	1.1	1.2	1.2	1.3
Below Normal (6%)	1.1	1.0	0.7	1.5	1.7	2.0	1.3	1.3	1.1	1.1	1.1	1.1
Dry (13%)	1.1	1.0	0.9	1.1	1.1	1.1	1.0	1.0	1.0	1.0	1.2	1.2
Critical (25%)	1.1	1.1	0.9	1.1	1.1	1.0	0.9	0.9	0.9	1.1	1.2	1.3

Alternative 3 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-1.0	-1.3	0.5	0.4	0.4	0.4	0.2	-0.1	-1.4	-1.1	-0.9	-1.2
20%	-1.0	-1.0	0.4	0.4	0.6	0.4	0.1	-0.2	-1.3	-0.9	-0.8	-1.1
30%	-1.0	-1.0	0.5	0.4	0.5	0.6	0.1	-0.1	-1.3	-1.0	-0.8	-1.0
40%	-1.0	-1.0	0.3	0.5	0.4	0.4	0.2	0.1	-1.1	-0.9	-0.9	-0.9
50%	-1.0	-1.0	0.4	0.4	0.4	0.4	0.3	0.1	-1.0	-0.8	-0.9	-0.9
60%	-1.0	-0.9	0.4	0.5	0.5	0.4	0.3	0.1	-0.9	-0.8	-0.9	-0.9
70%	-0.9	-0.9	0.4	0.4	0.4	0.4	0.4	0.1	-0.9	-0.8	-0.9	-0.9
80%	-0.9	-0.9	0.4	0.5	0.4	0.4	0.4	0.1	-0.9	-0.8	-0.9	-0.8
90%	-0.9	-1.0	0.3	0.5	0.4	0.4	0.3	0.1	-0.9	-0.8	-0.9	-0.9
Long Term												
Full Simulation Period[a]	-1.0	-1.0	0.4	0.5	0.4	0.4	0.3	0.1	-1.0	-0.8	-0.9	-1.0
Water Year Types[b]												
Wet (31%)	-1.1	-1.1	0.5	0.4	0.5	0.4	0.2	0.1	-0.8	-0.9	-1.0	-1.2
Above Normal (25%)	-0.9	-0.9	0.4	0.4	0.4	0.5	0.2	-0.2	-1.5	-1.2	-1.0	-1.0
Below Normal (6%)	-1.0	-1.1	0.4	0.4	0.4	0.5	0.1	-0.1	-1.1	-0.7	-1.0	-0.9
Dry (13%)	-1.1	-1.0	0.4	0.5	0.4	0.4	0.3	0.1	-0.9	-0.8	-0.8	-0.9
Critical (25%)	-0.9	-0.9	0.3	0.5	0.4	0.4	0.3	0.1	-0.9	-0.7	-0.9	-0.8

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-27-2-17. Old River at Tracy Blvd, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.5	3.2	2.3	3.1	3.7	4.1	3.3	2.7	2.7	2.5	2.3	2.8
20%	2.3	2.1	0.8	1.5	2.5	3.1	2.1	1.7	2.5	2.3	2.2	2.5
30%	2.2	2.1	0.7	1.2	1.7	1.6	1.3	1.5	2.4	2.2	2.2	2.3
40%	2.2	2.1	0.7	0.9	1.2	1.4	1.0	1.1	2.2	2.0	2.1	2.2
50%	2.1	2.0	0.6	0.8	0.8	0.9	0.8	1.0	2.0	1.9	2.1	2.2
60%	2.1	1.9	0.6	0.6	0.7	0.8	0.7	0.9	1.9	1.8	2.1	2.1
70%	2.1	1.9	0.5	0.6	0.7	0.7	0.7	0.9	1.9	1.8	2.0	2.1
80%	2.0	1.9	0.4	0.5	0.7	0.5	0.6	0.8	1.8	1.8	2.0	2.1
90%	2.0	1.9	0.3	0.5	0.6	0.4	0.4	0.8	1.8	1.7	2.0	2.0
Long Term												
Full Simulation Period[a]	2.2	2.2	1.0	1.3	1.7	1.9	1.4	1.5	2.2	2.0	2.2	2.3
Water Year Types[b]												
Wet (31%)	2.6	3.0	2.5	2.5	3.5	4.6	3.0	2.6	2.8	2.4	2.4	2.9
Above Normal (25%)	2.1	1.9	0.7	2.4	3.1	2.5	1.9	2.1	2.6	2.4	2.2	2.3
Below Normal (6%)	2.1	2.1	0.3	1.1	1.2	1.4	1.2	1.4	2.2	1.8	2.1	2.0
Dry (13%)	2.2	2.0	0.5	0.6	0.6	0.7	0.7	0.9	1.9	1.8	2.0	2.1
Critical (25%)	2.1	2.0	0.6	0.6	0.7	0.6	0.6	0.8	1.8	1.8	2.1	2.1

Alternative 4 H1 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.5	3.3	2.9	3.4	4.1	4.5	3.7	2.9	2.6	2.6	2.6	2.9
20%	2.3	2.3	1.2	1.7	2.9	3.6	2.4	1.4	2.4	2.5	2.4	2.6
30%	2.2	2.2	1.1	1.4	2.1	2.0	1.3	1.3	2.4	2.3	2.4	2.5
40%	2.2	2.2	1.1	1.2	1.4	1.6	1.1	1.2	2.2	2.2	2.4	2.4
50%	2.2	2.2	1.1	1.1	1.1	1.2	1.0	1.1	2.1	2.2	2.3	2.4
60%	2.1	2.2	1.0	1.0	1.1	1.1	1.0	1.1	2.0	2.1	2.3	2.4
70%	2.1	2.1	1.0	1.0	1.0	1.0	0.9	1.0	2.0	2.1	2.2	2.3
80%	2.1	2.1	1.0	1.0	0.9	0.8	0.9	0.9	2.0	2.0	2.2	2.3
90%	2.0	2.0	0.8	0.9	0.9	0.8	0.7	0.9	1.9	2.0	2.1	2.2
Long Term												
Full Simulation Period[a]	2.2	2.4	1.5	1.7	2.1	2.3	1.6	1.6	2.3	2.3	2.4	2.5
Water Year Types[b]												
Wet (31%)	2.5	3.3	3.0	2.9	3.9	5.0	3.3	2.8	2.9	2.6	2.6	3.0
Above Normal (25%)	2.1	2.1	1.1	2.6	3.5	3.0	2.0	2.0	2.5	2.4	2.4	2.5
Below Normal (6%)	2.2	2.2	0.7	1.3	1.4	1.7	1.2	1.2	2.2	2.2	2.3	2.3
Dry (13%)	2.2	2.2	1.0	1.0	0.9	1.0	0.9	1.0	2.0	2.1	2.2	2.3
Critical (25%)	2.1	2.1	1.0	0.9	1.0	0.9	0.8	0.9	2.0	2.1	2.2	2.3

Alternative 4 H1 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	**0.0**	0.1	0.5	0.3	0.4	0.3	0.4	0.2	**-0.1**	0.0	0.3	0.1
20%	**0.0**	0.2	0.4	0.2	0.4	0.5	0.2	**-0.3**	**-0.1**	0.2	0.2	0.1
30%	0.0	0.2	0.4	0.2	0.3	0.4	**0.0**	**-0.2**	**-0.1**	0.1	0.2	0.2
40%	0.0	0.1	0.4	0.3	0.2	0.3	0.1	0.1	0.0	0.3	0.2	0.2
50%	0.1	0.2	0.5	0.3	0.3	0.3	0.2	0.1	0.1	0.3	0.2	0.2
60%	0.1	0.2	0.5	0.4	0.4	0.3	0.3	0.1	0.1	0.3	0.2	0.2
70%	0.1	0.2	0.5	0.4	0.3	0.3	0.3	0.1	0.1	0.3	0.2	0.2
80%	0.0	0.2	0.6	0.4	0.3	0.3	0.3	0.1	0.2	0.2	0.2	0.2
90%	0.1	0.2	0.5	0.4	0.3	0.3	0.2	0.1	0.1	0.3	0.2	0.2
Long Term												
Full Simulation Period[a]	**0.0**	0.2	0.5	0.3	0.3	0.3	0.2	0.1	0.1	0.2	0.2	0.2
Water Year Types[b]												
Wet (31%)	**-0.1**	0.3	0.5	0.4	0.4	0.4	0.3	0.1	0.1	0.2	0.2	0.2
Above Normal (25%)	0.0	0.2	0.4	0.2	0.4	0.4	0.1	**-0.1**	**-0.1**	0.0	0.2	0.2
Below Normal (6%)	0.1	0.1	0.4	0.2	0.2	0.2	0.0	**-0.1**	0.0	0.4	0.2	0.3
Dry (13%)	**0.0**	0.2	0.5	0.4	0.3	0.3	0.2	0.1	0.1	0.3	0.2	0.2
Critical (25%)	0.0	0.2	0.4	0.3	0.3	0.3	0.3	0.1	0.1	0.3	0.1	0.2

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-27-2-18. Old River at Tracy Blvd, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.5	3.2	2.3	3.1	3.7	4.1	3.3	2.7	2.7	2.5	2.3	2.8
20%	2.3	2.1	0.8	1.5	2.5	3.1	2.1	1.7	2.5	2.3	2.2	2.5
30%	2.2	2.1	0.7	1.2	1.7	1.6	1.3	1.5	2.4	2.2	2.2	2.3
40%	2.2	2.1	0.7	0.9	1.2	1.4	1.0	1.1	2.2	2.0	2.1	2.2
50%	2.1	2.0	0.6	0.8	0.8	0.9	0.8	1.0	2.0	1.9	2.1	2.2
60%	2.1	1.9	0.6	0.6	0.7	0.8	0.7	0.9	1.9	1.8	2.1	2.1
70%	2.1	1.9	0.5	0.6	0.7	0.7	0.7	0.9	1.9	1.8	2.0	2.1
80%	2.0	1.9	0.4	0.5	0.7	0.5	0.6	0.8	1.8	1.8	2.0	2.1
90%	2.0	1.9	0.3	0.5	0.6	0.4	0.4	0.8	1.8	1.7	2.0	2.0
Long Term												
Full Simulation Period[a]	2.2	2.2	1.0	1.3	1.7	1.9	1.4	1.5	2.2	2.0	2.2	2.3
Water Year Types[b]												
Wet (31%)	2.6	3.0	2.5	2.5	3.5	4.6	3.0	2.6	2.8	2.4	2.4	2.9
Above Normal (25%)	2.1	1.9	0.7	2.4	3.1	2.5	1.9	2.1	2.6	2.4	2.2	2.3
Below Normal (6%)	2.1	2.1	0.3	1.1	1.2	1.4	1.2	1.4	2.2	1.8	2.1	2.0
Dry (13%)	2.2	2.0	0.5	0.6	0.6	0.7	0.7	0.9	1.9	1.8	2.0	2.1
Critical (25%)	2.1	2.0	0.6	0.6	0.7	0.6	0.6	0.8	1.8	1.8	2.1	2.1

Alternative 4 H2 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.5	3.3	2.9	3.4	4.1	4.6	3.7	3.0	2.6	2.8	2.5	3.0
20%	2.3	2.3	1.3	1.7	3.0	3.6	2.4	1.5	2.5	2.5	2.4	2.6
30%	2.2	2.2	1.2	1.4	2.2	2.0	1.3	1.3	2.4	2.4	2.4	2.5
40%	2.2	2.2	1.1	1.2	1.4	1.5	1.1	1.2	2.2	2.2	2.4	2.4
50%	2.2	2.2	1.1	1.1	1.1	1.2	1.1	1.1	2.1	2.2	2.3	2.4
60%	2.2	2.2	1.0	1.1	1.1	1.1	1.0	1.1	2.0	2.2	2.3	2.3
70%	2.1	2.1	1.0	1.0	1.0	1.0	0.9	1.0	2.0	2.1	2.2	2.3
80%	2.1	2.1	0.9	1.0	0.9	0.8	0.9	0.9	2.0	2.1	2.2	2.3
90%	2.0	2.0	0.9	0.9	0.9	0.8	0.7	0.9	1.9	2.0	2.1	2.2
Long Term												
Full Simulation Period[a]	2.3	2.4	1.5	1.7	2.1	2.3	1.7	1.6	2.3	2.3	2.4	2.5
Water Year Types[b]												
Wet (31%)	2.7	3.3	3.0	2.9	3.9	5.1	3.3	2.8	2.9	2.6	2.6	3.0
Above Normal (25%)	2.1	2.1	1.1	2.6	3.6	3.0	2.1	2.0	2.5	2.6	2.5	2.5
Below Normal (6%)	2.2	2.2	0.9	1.3	1.4	1.5	1.2	1.3	2.2	2.2	2.3	2.3
Dry (13%)	2.2	2.2	1.0	1.0	0.9	1.0	0.9	1.0	2.1	2.1	2.2	2.3
Critical (25%)	2.1	2.1	1.0	1.0	1.0	0.9	0.8	0.9	2.0	2.1	2.2	2.3

Alternative 4 H2 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	**0.0**	0.2	0.6	0.3	0.4	0.5	0.4	0.2	**-0.1**	0.2	0.2	0.1
20%	**0.0**	0.2	0.5	0.2	0.5	0.5	0.2	**-0.2**	**0.0**	0.2	0.2	0.1
30%	0.0	0.2	0.5	0.3	0.4	0.3	0.0	**-0.2**	**0.0**	0.2	0.3	0.2
40%	0.0	0.1	0.4	0.3	0.2	0.2	0.2	0.1	**0.0**	0.3	0.2	0.2
50%	0.0	0.2	0.4	0.3	0.3	0.3	0.2	0.1	0.1	0.3	0.2	0.2
60%	0.1	0.2	0.5	0.4	0.4	0.3	0.3	0.2	0.1	0.3	0.2	0.2
70%	0.1	0.2	0.5	0.4	0.3	0.3	0.3	0.1	0.2	0.3	0.2	0.2
80%	0.0	0.2	0.5	0.4	0.3	0.3	0.3	0.1	0.2	0.3	0.2	0.2
90%	0.1	0.2	0.5	0.5	0.3	0.3	0.3	0.1	0.1	0.3	0.2	0.2
Long Term												
Full Simulation Period[a]	0.0	0.2	0.5	0.4	0.3	0.3	0.2	0.1	0.1	0.3	0.2	0.2
Water Year Types[b]												
Wet (31%)	0.0	0.3	0.5	0.4	0.4	0.5	0.3	0.1	0.1	0.2	0.3	0.2
Above Normal (25%)	0.0	0.2	0.4	0.2	0.5	0.4	0.2	**0.0**	**-0.1**	0.2	0.2	0.2
Below Normal (6%)	0.1	0.1	0.6	0.3	0.2	0.1	0.0	**-0.1**	**0.0**	0.4	0.2	0.3
Dry (13%)	**0.0**	0.2	0.5	0.4	0.3	0.3	0.3	0.1	0.1	0.3	0.2	0.2
Critical (25%)	0.0	0.1	0.4	0.4	0.3	0.3	0.3	0.2	0.1	0.3	0.1	0.2

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-27-2-19. Old River at Tracy Blvd, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.5	3.2	2.3	3.1	3.7	4.1	3.3	2.7	2.7	2.5	2.3	2.8
20%	2.3	2.1	0.8	1.5	2.5	3.1	2.1	1.7	2.5	2.3	2.2	2.5
30%	2.2	2.1	0.7	1.2	1.7	1.6	1.3	1.5	2.4	2.2	2.2	2.3
40%	2.2	2.1	0.7	0.9	1.2	1.4	1.0	1.1	2.2	2.0	2.1	2.2
50%	2.1	2.0	0.6	0.8	0.8	0.9	0.8	1.0	2.0	1.9	2.1	2.2
60%	2.1	1.9	0.6	0.6	0.7	0.8	0.7	0.9	1.9	1.8	2.1	2.1
70%	2.1	1.9	0.5	0.6	0.7	0.7	0.7	0.9	1.9	1.8	2.0	2.1
80%	2.0	1.9	0.4	0.5	0.7	0.5	0.6	0.8	1.8	1.8	2.0	2.1
90%	2.0	1.9	0.3	0.5	0.6	0.4	0.4	0.8	1.8	1.7	2.0	2.0
Long Term												
Full Simulation Period[a]	2.2	2.2	1.0	1.3	1.7	1.9	1.4	1.5	2.2	2.0	2.2	2.3
Water Year Types[b]												
Wet (31%)	2.6	3.0	2.5	2.5	3.5	4.6	3.0	2.6	2.8	2.4	2.4	2.9
Above Normal (25%)	2.1	1.9	0.7	2.4	3.1	2.5	1.9	2.1	2.6	2.4	2.2	2.3
Below Normal (6%)	2.1	2.1	0.3	1.1	1.2	1.4	1.2	1.4	2.2	1.8	2.1	2.0
Dry (13%)	2.2	2.0	0.5	0.6	0.6	0.7	0.7	0.9	1.9	1.8	2.0	2.1
Critical (25%)	2.1	2.0	0.6	0.6	0.7	0.6	0.6	0.8	1.8	1.8	2.1	2.1

Alternative 4 H3 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.5	3.3	2.9	3.4	4.1	4.6	3.7	2.9	2.6	2.6	2.6	3.1
20%	2.3	2.4	1.2	1.7	2.8	3.6	2.4	1.4	2.4	2.5	2.4	2.8
30%	2.2	2.4	1.2	1.4	2.1	1.9	1.3	1.3	2.4	2.3	2.4	2.7
40%	2.2	2.3	1.1	1.2	1.4	1.5	1.1	1.2	2.2	2.2	2.4	2.4
50%	2.2	2.2	1.0	1.1	1.1	1.2	1.0	1.1	2.1	2.2	2.3	2.4
60%	2.2	2.2	1.0	1.1	1.1	1.1	1.0	1.1	2.0	2.1	2.3	2.3
70%	2.1	2.2	1.0	1.0	1.0	1.0	0.9	1.0	2.0	2.1	2.2	2.3
80%	2.1	2.1	0.9	1.0	0.9	0.8	0.9	0.9	2.0	2.0	2.2	2.3
90%	2.0	2.0	0.9	0.9	0.9	0.8	0.7	0.9	1.9	2.0	2.1	2.2
Long Term												
Full Simulation Period[a]	2.3	2.5	1.5	1.7	2.0	2.3	1.6	1.6	2.3	2.3	2.4	2.6
Water Year Types[b]												
Wet (31%)	2.6	3.3	3.0	2.9	3.9	5.1	3.3	2.8	2.9	2.6	2.6	3.2
Above Normal (25%)	2.1	2.1	1.1	2.6	3.5	3.0	2.0	2.0	2.5	2.4	2.4	2.7
Below Normal (6%)	2.2	2.4	0.8	1.3	1.4	1.5	1.2	1.2	2.2	2.2	2.3	2.3
Dry (13%)	2.2	2.3	1.0	1.0	0.9	1.0	0.9	1.0	2.0	2.1	2.2	2.3
Critical (25%)	2.1	2.2	1.0	1.0	1.0	0.9	0.8	0.9	2.0	2.1	2.2	2.3

Alternative 4 H3 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.0	0.2	0.6	0.3	0.4	0.5	0.4	0.2	**-0.1**	0.0	0.3	0.3
20%	0.1	0.3	0.4	0.2	0.3	0.5	0.2	**-0.3**	**-0.1**	0.2	0.2	0.3
30%	0.0	0.3	0.4	0.2	0.3	0.3	**0.0**	**-0.2**	**-0.1**	0.1	0.2	0.3
40%	0.0	0.2	0.4	0.3	0.2	0.2	0.1	0.1	**0.0**	0.3	0.2	0.2
50%	0.1	0.2	0.4	0.3	0.3	0.3	0.2	0.1	0.1	0.3	0.2	0.2
60%	0.1	0.3	0.4	0.4	0.4	0.3	0.3	0.1	0.1	0.3	0.2	0.2
70%	0.1	0.2	0.5	0.4	0.3	0.3	0.3	0.1	0.1	0.2	0.2	0.2
80%	0.1	0.2	0.5	0.4	0.3	0.3	0.3	0.1	0.2	0.2	0.2	0.2
90%	0.1	0.2	0.5	0.5	0.3	0.3	0.2	0.1	0.1	0.3	0.2	0.2
Long Term												
Full Simulation Period[a]	0.0	0.2	0.5	0.3	0.3	0.3	0.2	0.1	0.1	0.2	0.2	0.3
Water Year Types[b]												
Wet (31%)	**0.0**	0.2	0.5	0.4	0.4	0.4	0.3	0.1	0.1	0.2	0.2	0.3
Above Normal (25%)	0.0	0.2	0.4	0.2	0.4	0.4	0.1	**-0.1**	**-0.1**	0.0	0.2	0.4
Below Normal (6%)	0.1	0.3	0.5	0.2	0.2	0.1	0.0	**-0.1**	**0.0**	0.4	0.2	0.3
Dry (13%)	0.0	0.2	0.5	0.4	0.3	0.3	0.2	0.1	0.1	0.3	0.2	0.2
Critical (25%)	0.1	0.2	0.4	0.3	0.3	0.3	0.3	0.1	0.1	0.3	0.1	0.2

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-27-2-20. Old River at Tracy Blvd, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.5	3.2	2.3	3.1	3.7	4.1	3.3	2.7	2.7	2.5	2.3	2.8
20%	2.3	2.1	0.8	1.5	2.5	3.1	2.1	1.7	2.5	2.3	2.2	2.5
30%	2.2	2.1	0.7	1.2	1.7	1.6	1.3	1.5	2.4	2.2	2.2	2.3
40%	2.2	2.1	0.7	0.9	1.2	1.4	1.0	1.1	2.2	2.0	2.1	2.2
50%	2.1	2.0	0.6	0.8	0.8	0.9	0.8	1.0	2.0	1.9	2.1	2.2
60%	2.1	1.9	0.6	0.6	0.7	0.8	0.7	0.9	1.9	1.8	2.1	2.1
70%	2.1	1.9	0.5	0.6	0.7	0.7	0.7	0.9	1.9	1.8	2.0	2.1
80%	2.0	1.9	0.4	0.5	0.7	0.5	0.6	0.8	1.8	1.8	2.0	2.1
90%	2.0	1.9	0.3	0.5	0.6	0.4	0.4	0.8	1.8	1.7	2.0	2.0
Long Term												
Full Simulation Period[a]	2.2	2.2	1.0	1.3	1.7	1.9	1.4	1.5	2.2	2.0	2.2	2.3
Water Year Types[b]												
Wet (31%)	2.6	3.0	2.5	2.5	3.5	4.6	3.0	2.6	2.8	2.4	2.4	2.9
Above Normal (25%)	2.1	1.9	0.7	2.4	3.1	2.5	1.9	2.1	2.6	2.4	2.2	2.3
Below Normal (6%)	2.1	2.1	0.3	1.1	1.2	1.4	1.2	1.4	2.2	1.8	2.1	2.0
Dry (13%)	2.2	2.0	0.5	0.6	0.6	0.7	0.7	0.9	1.9	1.8	2.0	2.1
Critical (25%)	2.1	2.0	0.6	0.6	0.7	0.6	0.6	0.8	1.8	1.8	2.1	2.1

Alternative 4 H4 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.5	3.3	2.9	3.5	4.1	4.6	3.7	3.0	2.6	2.8	2.5	3.1
20%	2.3	2.4	1.2	1.7	2.9	3.6	2.4	1.5	2.5	2.5	2.4	2.8
30%	2.2	2.4	1.1	1.5	2.1	2.0	1.3	1.3	2.4	2.4	2.4	2.7
40%	2.2	2.3	1.1	1.2	1.4	1.5	1.1	1.2	2.2	2.3	2.4	2.4
50%	2.2	2.2	1.1	1.1	1.1	1.2	1.1	1.1	2.1	2.2	2.3	2.4
60%	2.2	2.2	1.0	1.1	1.1	1.1	1.0	1.1	2.0	2.1	2.3	2.3
70%	2.1	2.2	0.9	1.0	1.0	1.0	0.9	1.0	2.0	2.1	2.2	2.3
80%	2.1	2.1	0.9	1.0	0.9	0.9	0.9	0.9	2.0	2.1	2.2	2.3
90%	2.0	2.1	0.8	0.9	0.9	0.8	0.7	0.9	1.9	2.0	2.1	2.3
Long Term												
Full Simulation Period[a]	2.3	2.5	1.5	1.7	2.1	2.3	1.7	1.6	2.3	2.3	2.4	2.6
Water Year Types[b]												
Wet (31%)	2.6	3.2	3.0	3.0	3.9	5.1	3.3	2.8	2.9	2.6	2.6	3.2
Above Normal (25%)	2.1	2.1	1.1	2.7	3.5	3.0	2.1	2.0	2.5	2.6	2.5	2.7
Below Normal (6%)	2.2	2.4	0.8	1.3	1.4	1.5	1.2	1.3	2.2	2.2	2.3	2.3
Dry (13%)	2.2	2.3	1.0	1.0	0.9	1.0	0.9	1.0	2.1	2.1	2.2	2.3
Critical (25%)	2.1	2.2	1.0	1.0	1.0	0.9	0.8	0.9	2.0	2.1	2.2	2.3

Alternative 4 H4 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.0	0.1	0.5	0.4	0.4	0.5	0.4	0.2	**-0.1**	0.3	0.2	0.3
20%	0.1	0.3	0.4	0.3	0.4	0.5	0.2	**-0.2**	**0.0**	0.2	0.2	0.3
30%	0.0	0.3	0.4	0.4	0.3	0.3	0.0	**-0.2**	**0.0**	0.2	0.2	0.3
40%	0.0	0.2	0.4	0.3	0.2	0.2	0.2	0.1	0.0	0.3	0.2	0.2
50%	0.1	0.2	0.5	0.3	0.3	0.3	0.2	0.1	0.1	0.3	0.2	0.2
60%	0.1	0.3	0.4	0.4	0.3	0.3	0.3	0.2	0.1	0.3	0.2	0.2
70%	0.1	0.2	0.4	0.4	0.3	0.3	0.3	0.1	0.2	0.3	0.2	0.2
80%	0.0	0.2	0.5	0.4	0.3	0.4	0.3	0.1	0.2	0.3	0.2	0.2
90%	0.0	0.2	0.5	0.5	0.3	0.3	0.3	0.1	0.1	0.3	0.2	0.2
Long Term												
Full Simulation Period[a]	0.0	0.2	0.5	0.4	0.3	0.3	0.3	0.1	0.1	0.3	0.2	0.3
Water Year Types[b]												
Wet (31%)	**0.0**	0.2	0.5	0.5	0.4	0.5	0.3	0.1	0.1	0.2	0.2	0.3
Above Normal (25%)	0.0	0.3	0.4	0.3	0.4	0.4	0.2	**0.0**	**-0.1**	0.2	0.2	0.4
Below Normal (6%)	0.1	0.3	0.5	0.3	0.2	0.1	0.0	**-0.1**	0.0	0.4	0.2	0.3
Dry (13%)	0.0	0.3	0.5	0.4	0.3	0.3	0.3	0.1	0.1	0.3	0.2	0.2
Critical (25%)	0.1	0.2	0.4	0.4	0.3	0.3	0.3	0.2	0.1	0.3	0.1	0.2

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-27-2-21. Old River at Tracy Blvd, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	2.5	3.2	2.3	3.1	3.7	4.1	3.3	2.7	2.7	2.5	2.3	2.8
20%	2.3	2.1	0.8	1.5	2.5	3.1	2.1	1.7	2.5	2.3	2.2	2.5
30%	2.2	2.1	0.7	1.2	1.7	1.6	1.3	1.5	2.4	2.2	2.2	2.3
40%	2.2	2.1	0.7	0.9	1.2	1.4	1.0	1.1	2.2	2.0	2.1	2.2
50%	2.1	2.0	0.6	0.8	0.8	0.9	0.8	1.0	2.0	1.9	2.1	2.2
60%	2.1	1.9	0.6	0.6	0.7	0.8	0.7	0.9	1.9	1.8	2.1	2.1
70%	2.1	1.9	0.5	0.6	0.7	0.7	0.7	0.9	1.9	1.8	2.0	2.1
80%	2.0	1.9	0.4	0.5	0.7	0.5	0.6	0.8	1.8	1.8	2.0	2.1
90%	2.0	1.9	0.3	0.5	0.6	0.4	0.4	0.8	1.8	1.7	2.0	2.0
Long Term												
Full Simulation Period[a]	2.2	2.2	1.0	1.3	1.7	1.9	1.4	1.5	2.2	2.0	2.2	2.3
Water Year Types[b]												
Wet (31%)	2.6	3.0	2.5	2.5	3.5	4.6	3.0	2.6	2.8	2.4	2.4	2.9
Above Normal (25%)	2.1	1.9	0.7	2.4	3.1	2.5	1.9	2.1	2.6	2.4	2.2	2.3
Below Normal (6%)	2.1	2.1	0.3	1.1	1.2	1.4	1.2	1.4	2.2	1.8	2.1	2.0
Dry (13%)	2.2	2.0	0.5	0.6	0.6	0.7	0.7	0.9	1.9	1.8	2.0	2.1
Critical (25%)	2.1	2.0	0.6	0.6	0.7	0.6	0.6	0.8	1.8	1.8	2.1	2.1

Alternative 5 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	2.6	3.3	2.8	3.3	4.0	4.4	3.5	2.9	2.7	2.6	2.5	3.1
20%	2.5	2.4	1.2	1.8	2.8	3.3	2.4	1.9	2.6	2.4	2.4	2.6
30%	2.3	2.3	1.1	1.5	2.1	1.9	1.6	1.7	2.5	2.3	2.4	2.5
40%	2.3	2.2	1.0	1.2	1.5	1.7	1.3	1.4	2.3	2.2	2.3	2.4
50%	2.3	2.1	1.0	1.2	1.2	1.3	1.2	1.3	2.1	2.1	2.3	2.3
60%	2.2	2.1	1.0	1.2	1.2	1.2	1.1	1.2	2.1	2.1	2.3	2.3
70%	2.1	2.1	0.9	1.1	1.0	1.1	1.0	1.1	2.0	2.0	2.2	2.3
80%	2.1	2.0	0.7	1.0	1.0	0.9	1.0	1.1	2.0	2.0	2.2	2.3
90%	2.1	2.0	0.6	0.9	0.9	0.8	0.8	1.0	2.0	2.0	2.1	2.2
Long Term												
Full Simulation Period[a]	2.4	2.4	1.4	1.7	2.1	2.3	1.7	1.7	2.3	2.2	2.3	2.5
Water Year Types[b]												
Wet (31%)	2.7	3.2	2.9	2.9	3.8	4.9	3.3	2.8	2.9	2.6	2.6	3.1
Above Normal (25%)	2.1	2.0	1.1	2.6	3.5	2.9	2.1	2.2	2.6	2.5	2.4	2.5
Below Normal (6%)	2.2	2.4	0.7	1.4	1.5	1.7	1.5	1.6	2.3	2.0	2.3	2.3
Dry (13%)	2.3	2.2	0.8	1.0	1.0	1.1	1.0	1.2	2.1	2.1	2.2	2.3
Critical (25%)	2.2	2.1	1.0	1.1	1.1	1.0	0.9	1.0	2.0	2.1	2.2	2.3

Alternative 5 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0.1	0.1	0.5	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.2	0.3
20%	0.2	0.2	0.4	0.4	0.3	0.3	0.3	0.2	0.1	0.1	0.2	0.1
30%	0.1	0.2	0.4	0.4	0.4	0.3	0.3	0.2	0.1	0.1	0.2	0.2
40%	0.1	0.2	0.3	0.3	0.3	0.3	0.3	0.2	0.1	0.2	0.2	0.2
50%	0.1	0.1	0.4	0.4	0.4	0.4	0.3	0.3	0.2	0.3	0.2	0.2
60%	0.2	0.2	0.4	0.6	0.5	0.4	0.3	0.3	0.1	0.2	0.2	0.2
70%	0.1	0.1	0.4	0.4	0.4	0.4	0.4	0.3	0.2	0.2	0.1	0.2
80%	0.1	0.2	0.3	0.5	0.3	0.4	0.4	0.3	0.2	0.2	0.2	0.2
90%	0.1	0.1	0.3	0.4	0.4	0.4	0.4	0.2	0.2	0.3	0.2	0.2
Long Term												
Full Simulation Period[a]	0.1	0.2	0.4	0.4	0.4	0.3	0.3	0.2	0.1	0.2	0.2	0.2
Water Year Types[b]												
Wet (31%)	0.1	0.2	0.4	0.4	0.3	0.3	0.2	0.2	0.2	0.1	0.2	0.2
Above Normal (25%)	0.1	0.1	0.4	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.2	0.2
Below Normal (6%)	0.2	0.2	0.4	0.3	0.3	0.3	0.3	0.2	0.1	0.2	0.2	0.3
Dry (13%)	0.1	0.2	0.4	0.4	0.4	0.4	0.4	0.3	0.2	0.3	0.2	0.2
Critical (25%)	0.1	0.1	0.3	0.4	0.4	0.4	0.4	0.3	0.2	0.2	0.1	0.2

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-27-2-22. Old River at Tracy Blvd, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.5	3.2	2.3	3.1	3.7	4.1	3.3	2.7	2.7	2.5	2.3	2.8
20%	2.3	2.1	0.8	1.5	2.5	3.1	2.1	1.7	2.5	2.3	2.2	2.5
30%	2.2	2.1	0.7	1.2	1.7	1.6	1.3	1.5	2.4	2.2	2.2	2.3
40%	2.2	2.1	0.7	0.9	1.2	1.4	1.0	1.1	2.2	2.0	2.1	2.2
50%	2.1	2.0	0.6	0.8	0.8	0.9	0.8	1.0	2.0	1.9	2.1	2.2
60%	2.1	1.9	0.6	0.6	0.7	0.8	0.7	0.9	1.9	1.8	2.1	2.1
70%	2.1	1.9	0.5	0.6	0.7	0.7	0.7	0.9	1.9	1.8	2.0	2.1
80%	2.0	1.9	0.4	0.5	0.7	0.5	0.6	0.8	1.8	1.8	2.0	2.1
90%	2.0	1.9	0.3	0.5	0.6	0.4	0.4	0.8	1.8	1.7	2.0	2.0
Long Term												
Full Simulation Period[a]	2.2	2.2	1.0	1.3	1.7	1.9	1.4	1.5	2.2	2.0	2.2	2.3
Water Year Types[b]												
Wet (31%)	2.6	3.0	2.5	2.5	3.5	4.6	3.0	2.6	2.8	2.4	2.4	2.9
Above Normal (25%)	2.1	1.9	0.7	2.4	3.1	2.5	1.9	2.1	2.6	2.4	2.2	2.3
Below Normal (6%)	2.1	2.1	0.3	1.1	1.2	1.4	1.2	1.4	2.2	1.8	2.1	2.0
Dry (13%)	2.2	2.0	0.5	0.6	0.6	0.7	0.7	0.9	1.9	1.8	2.0	2.1
Critical (25%)	2.1	2.0	0.6	0.6	0.7	0.6	0.6	0.8	1.8	1.8	2.1	2.1

Alternative 6A,6B,6C (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.8	2.2	3.1	3.6	4.3	4.6	3.7	2.9	1.5	1.6	1.6	2.0
20%	1.5	1.5	1.4	2.1	3.2	3.6	2.5	1.8	1.3	1.5	1.6	1.6
30%	1.5	1.4	1.4	1.8	2.4	2.3	1.6	1.6	1.3	1.4	1.5	1.6
40%	1.4	1.3	1.4	1.5	1.9	2.0	1.4	1.3	1.2	1.4	1.4	1.5
50%	1.4	1.3	1.3	1.4	1.4	1.4	1.3	1.3	1.1	1.3	1.4	1.5
60%	1.4	1.3	1.3	1.3	1.4	1.3	1.1	1.2	1.1	1.3	1.4	1.5
70%	1.3	1.2	1.3	1.3	1.3	1.2	1.1	1.1	1.1	1.2	1.3	1.4
80%	1.3	1.2	1.2	1.2	1.2	1.1	1.1	1.0	1.0	1.2	1.3	1.4
90%	1.2	1.1	1.1	1.1	1.1	1.0	0.9	1.0	1.0	1.1	1.3	1.4
Long Term												
Full Simulation Period[a]	1.5	1.5	1.7	2.0	2.3	2.5	1.8	1.7	1.3	1.4	1.5	1.6
Water Year Types[b]												
Wet (31%)	1.8	2.2	3.2	3.1	4.2	5.2	3.5	2.9	2.1	1.8	1.7	2.0
Above Normal (25%)	1.3	1.2	1.4	3.0	3.7	3.1	2.2	2.1	1.3	1.4	1.5	1.5
Below Normal (6%)	1.4	1.4	1.2	1.8	1.9	2.1	1.5	1.5	1.1	1.2	1.3	1.4
Dry (13%)	1.4	1.3	1.3	1.3	1.3	1.3	1.1	1.1	1.1	1.2	1.4	1.5
Critical (25%)	1.4	1.3	1.2	1.2	1.2	1.1	1.0	1.0	1.0	1.2	1.4	1.4

Alternative 6A,6B,6C (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-0.7	-1.0	0.7	0.6	0.6	0.5	0.4	0.1	-1.2	-1.0	-0.7	-0.8
20%	-0.8	-0.6	0.6	0.7	0.7	0.6	0.4	0.1	-1.2	-0.8	-0.7	-0.9
30%	-0.7	-0.7	0.7	0.7	0.7	0.7	0.4	0.1	-1.2	-0.8	-0.7	-0.7
40%	-0.7	-0.7	0.7	0.7	0.7	0.6	0.4	0.2	-1.0	-0.6	-0.7	-0.7
50%	-0.7	-0.7	0.7	0.6	0.6	0.5	0.5	0.2	-0.9	-0.6	-0.7	-0.7
60%	-0.7	-0.7	0.7	0.7	0.6	0.5	0.4	0.2	-0.8	-0.6	-0.7	-0.7
70%	-0.7	-0.7	0.8	0.6	0.6	0.5	0.5	0.2	-0.8	-0.6	-0.7	-0.7
80%	-0.7	-0.7	0.7	0.7	0.6	0.6	0.5	0.2	-0.8	-0.6	-0.7	-0.7
90%	-0.7	-0.7	0.7	0.7	0.6	0.6	0.5	0.2	-0.8	-0.6	-0.7	-0.7
Long Term												
Full Simulation Period[a]	-0.8	-0.8	0.7	0.6	0.6	0.5	0.4	0.2	-0.9	-0.6	-0.7	-0.7
Water Year Types[b]												
Wet (31%)	-0.8	-0.8	0.7	0.6	0.7	0.6	0.4	0.3	-0.7	-0.6	-0.7	-0.9
Above Normal (25%)	-0.8	-0.6	0.7	0.6	0.6	0.5	0.3	0.0	-1.2	-1.0	-0.7	-0.8
Below Normal (6%)	-0.6	-0.7	0.9	0.7	0.7	0.7	0.3	0.1	-1.1	-0.7	-0.7	-0.6
Dry (13%)	-0.8	-0.7	0.8	0.7	0.6	0.6	0.5	0.2	-0.8	-0.5	-0.6	-0.7
Critical (25%)	-0.7	-0.7	0.6	0.6	0.5	0.5	0.4	0.2	-0.8	-0.6	-0.7	-0.7

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-27-2-23. Old River at Tracy Blvd, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.5	3.2	2.3	3.1	3.7	4.1	3.3	2.7	2.7	2.5	2.3	2.8
20%	2.3	2.1	0.8	1.5	2.5	3.1	2.1	1.7	2.5	2.3	2.2	2.5
30%	2.2	2.1	0.7	1.2	1.7	1.6	1.3	1.5	2.4	2.2	2.2	2.3
40%	2.2	2.1	0.7	0.9	1.2	1.4	1.0	1.1	2.2	2.0	2.1	2.2
50%	2.1	2.0	0.6	0.8	0.8	0.9	0.8	1.0	2.0	1.9	2.1	2.2
60%	2.1	1.9	0.6	0.6	0.7	0.8	0.7	0.9	1.9	1.8	2.1	2.1
70%	2.1	1.9	0.5	0.6	0.7	0.7	0.7	0.9	1.9	1.8	2.0	2.1
80%	2.0	1.9	0.4	0.5	0.7	0.5	0.6	0.8	1.8	1.8	2.0	2.1
90%	2.0	1.9	0.3	0.5	0.6	0.4	0.4	0.8	1.8	1.7	2.0	2.0
Long Term												
Full Simulation Period[a]	2.2	2.2	1.0	1.3	1.7	1.9	1.4	1.5	2.2	2.0	2.2	2.3
Water Year Types[b]												
Wet (31%)	2.6	3.0	2.5	2.5	3.5	4.6	3.0	2.6	2.8	2.4	2.4	2.9
Above Normal (25%)	2.1	1.9	0.7	2.4	3.1	2.5	1.9	2.1	2.6	2.4	2.2	2.3
Below Normal (6%)	2.1	2.1	0.3	1.1	1.2	1.4	1.2	1.4	2.2	1.8	2.1	2.0
Dry (13%)	2.2	2.0	0.5	0.6	0.6	0.7	0.7	0.9	1.9	1.8	2.0	2.1
Critical (25%)	2.1	2.0	0.6	0.6	0.7	0.6	0.6	0.8	1.8	1.8	2.1	2.1

Alternative 7 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.8	2.2	2.9	3.5	4.0	4.6	3.7	2.9	1.5	1.2	1.3	2.0
20%	1.5	1.5	1.4	2.1	3.0	3.4	2.5	1.8	1.4	1.1	1.3	1.7
30%	1.5	1.4	1.4	1.8	2.3	2.2	1.7	1.6	1.3	1.1	1.2	1.5
40%	1.4	1.3	1.4	1.5	1.8	2.0	1.4	1.3	1.2	1.0	1.2	1.4
50%	1.4	1.3	1.3	1.4	1.4	1.4	1.3	1.3	1.1	1.0	1.2	1.3
60%	1.4	1.3	1.3	1.3	1.4	1.3	1.1	1.2	1.1	0.9	1.1	1.3
70%	1.3	1.2	1.3	1.3	1.3	1.2	1.1	1.1	1.1	0.9	1.1	1.3
80%	1.3	1.2	1.2	1.2	1.2	1.1	1.1	1.0	1.1	0.9	1.1	1.2
90%	1.2	1.1	1.1	1.1	1.1	1.0	0.9	1.0	1.0	0.8	1.0	1.1
Long Term												
Full Simulation Period[a]	1.5	1.5	1.7	1.9	2.3	2.4	1.8	1.7	1.4	1.1	1.2	1.5
Water Year Types[b]												
Wet (31%)	1.8	2.2	3.0	3.0	4.1	5.1	3.5	2.9	2.1	1.4	1.3	2.0
Above Normal (25%)	1.3	1.2	1.4	2.9	3.5	3.0	2.3	2.1	1.3	1.1	1.1	1.5
Below Normal (6%)	1.4	1.4	1.2	1.7	1.8	2.0	1.6	1.5	1.2	0.8	1.1	1.1
Dry (13%)	1.4	1.3	1.3	1.2	1.3	1.3	1.1	1.1	1.1	0.8	1.1	1.2
Critical (25%)	1.3	1.3	1.2	1.2	1.2	1.1	1.0	1.0	1.0	1.0	1.2	1.3

Alternative 7 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-0.7	-1.0	0.6	0.4	0.3	0.4	0.4	0.2	-1.1	-1.3	-1.0	-0.8
20%	-0.8	-0.7	0.6	0.6	0.5	0.3	0.4	0.1	-1.2	-1.2	-0.9	-0.9
30%	-0.7	-0.7	0.7	0.6	0.6	0.6	0.4	0.1	-1.1	-1.1	-0.9	-0.8
40%	-0.7	-0.7	0.7	0.6	0.6	0.6	0.4	0.2	-1.0	-0.9	-0.9	-0.8
50%	-0.7	-0.7	0.7	0.6	0.6	0.5	0.5	0.2	-0.8	-0.9	-0.9	-0.8
60%	-0.7	-0.7	0.7	0.7	0.6	0.5	0.4	0.2	-0.8	-0.9	-1.0	-0.8
70%	-0.7	-0.7	0.8	0.6	0.6	0.5	0.5	0.2	-0.8	-0.9	-1.0	-0.8
80%	-0.7	-0.7	0.7	0.7	0.6	0.6	0.5	0.2	-0.7	-0.9	-0.9	-0.9
90%	-0.7	-0.7	0.7	0.7	0.6	0.6	0.5	0.2	-0.8	-0.9	-1.0	-0.9
Long Term												
Full Simulation Period[a]	-0.8	-0.8	0.7	0.6	0.5	0.5	0.4	0.2	-0.8	-1.0	-1.0	-0.9
Water Year Types[b]												
Wet (31%)	-0.9	-0.8	0.5	0.5	0.5	0.5	0.4	0.3	-0.7	-1.0	-1.1	-0.9
Above Normal (25%)	-0.8	-0.6	0.7	0.5	0.3	0.5	0.4	0.1	-1.2	-1.3	-1.1	-0.8
Below Normal (6%)	-0.6	-0.7	0.8	0.6	0.6	0.5	0.4	0.1	-1.0	-1.0	-1.0	-0.9
Dry (13%)	-0.8	-0.7	0.8	0.7	0.6	0.6	0.5	0.2	-0.8	-0.9	-0.9	-0.9
Critical (25%)	-0.7	-0.7	0.6	0.6	0.5	0.5	0.4	0.2	-0.8	-0.8	-0.9	-0.8

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-27-2-24. Old River at Tracy Blvd, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.5	3.2	2.3	3.1	3.7	4.1	3.3	2.7	2.7	2.5	2.3	2.8
20%	2.3	2.1	0.8	1.5	2.5	3.1	2.1	1.7	2.5	2.3	2.2	2.5
30%	2.2	2.1	0.7	1.2	1.7	1.6	1.3	1.5	2.4	2.2	2.2	2.3
40%	2.2	2.1	0.7	0.9	1.2	1.4	1.0	1.1	2.2	2.0	2.1	2.2
50%	2.1	2.0	0.6	0.8	0.8	0.9	0.8	1.0	2.0	1.9	2.1	2.2
60%	2.1	1.9	0.6	0.6	0.7	0.8	0.7	0.9	1.9	1.8	2.1	2.1
70%	2.1	1.9	0.5	0.6	0.7	0.7	0.7	0.9	1.9	1.8	2.0	2.1
80%	2.0	1.9	0.4	0.5	0.7	0.5	0.6	0.8	1.8	1.8	2.0	2.1
90%	2.0	1.9	0.3	0.5	0.6	0.4	0.4	0.8	1.8	1.7	2.0	2.0
Long Term												
Full Simulation Period[a]	2.2	2.2	1.0	1.3	1.7	1.9	1.4	1.5	2.2	2.0	2.2	2.3
Water Year Types[b]												
Wet (31%)	2.6	3.0	2.5	2.5	3.5	4.6	3.0	2.6	2.8	2.4	2.4	2.9
Above Normal (25%)	2.1	1.9	0.7	2.4	3.1	2.5	1.9	2.1	2.6	2.4	2.2	2.3
Below Normal (6%)	2.1	2.1	0.3	1.1	1.2	1.4	1.2	1.4	2.2	1.8	2.1	2.0
Dry (13%)	2.2	2.0	0.5	0.6	0.6	0.7	0.7	0.9	1.9	1.8	2.0	2.1
Critical (25%)	2.1	2.0	0.6	0.6	0.7	0.6	0.6	0.8	1.8	1.8	2.1	2.1

Alternative 8 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.8	2.2	3.0	3.4	4.1	4.6	3.7	3.0	1.5	1.5	1.3	2.0
20%	1.5	1.5	1.4	2.0	3.0	3.4	2.6	1.8	1.4	1.3	1.3	1.7
30%	1.4	1.4	1.4	1.8	2.3	2.2	1.7	1.6	1.3	1.3	1.2	1.6
40%	1.4	1.4	1.4	1.5	1.8	2.0	1.4	1.3	1.2	1.2	1.2	1.4
50%	1.4	1.3	1.3	1.4	1.4	1.5	1.3	1.3	1.1	1.1	1.2	1.3
60%	1.4	1.3	1.3	1.3	1.4	1.4	1.2	1.2	1.1	1.0	1.1	1.3
70%	1.3	1.2	1.3	1.3	1.3	1.2	1.1	1.1	1.1	1.0	1.1	1.3
80%	1.3	1.2	1.2	1.2	1.2	1.1	1.1	1.0	1.1	1.0	1.0	1.2
90%	1.2	1.1	1.1	1.1	1.1	1.0	0.9	1.0	1.0	0.9	1.0	1.2
Long Term												
Full Simulation Period[a]	1.5	1.5	1.7	1.9	2.3	2.4	1.9	1.7	1.4	1.2	1.2	1.5
Water Year Types[b]												
Wet (31%)	1.8	2.1	3.0	3.0	4.0	5.1	3.5	2.9	2.1	1.6	1.3	2.0
Above Normal (25%)	1.3	1.2	1.4	2.8	3.6	3.0	2.3	2.2	1.3	1.3	1.2	1.6
Below Normal (6%)	1.4	1.4	1.2	1.7	1.8	2.0	1.6	1.5	1.2	0.9	1.0	1.2
Dry (13%)	1.4	1.3	1.3	1.3	1.3	1.3	1.1	1.1	1.1	1.1	1.1	1.2
Critical (25%)	1.3	1.3	1.2	1.2	1.2	1.1	1.0	1.0	1.0	1.0	1.2	1.3

Alternative 8 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-0.7	-1.0	0.6	0.3	0.4	0.4	0.4	0.2	-1.1	-1.1	-1.0	-0.8
20%	-0.8	-0.6	0.6	0.6	0.5	0.3	0.4	0.1	-1.2	-1.0	-1.0	-0.9
30%	-0.7	-0.7	0.7	0.7	0.6	0.6	0.4	0.2	-1.1	-0.9	-0.9	-0.8
40%	-0.7	-0.7	0.7	0.7	0.6	0.6	0.4	0.2	-1.0	-0.8	-0.9	-0.8
50%	-0.7	-0.7	0.7	0.6	0.6	0.5	0.5	0.2	-0.8	-0.8	-0.9	-0.8
60%	-0.7	-0.7	0.7	0.7	0.6	0.5	0.4	0.2	-0.8	-0.8	-0.9	-0.8
70%	-0.7	-0.7	0.8	0.6	0.6	0.5	0.5	0.2	-0.8	-0.8	-0.9	-0.8
80%	-0.7	-0.7	0.7	0.7	0.6	0.6	0.5	0.3	-0.7	-0.8	-1.0	-0.9
90%	-0.7	-0.7	0.7	0.7	0.6	0.6	0.5	0.2	-0.8	-0.8	-0.9	-0.9
Long Term												
Full Simulation Period[a]	-0.8	-0.8	0.7	0.6	0.5	0.5	0.4	0.2	-0.8	-0.8	-1.0	-0.8
Water Year Types[b]												
Wet (31%)	-0.9	-0.9	0.5	0.5	0.5	0.5	0.4	0.3	-0.7	-0.8	-1.1	-0.9
Above Normal (25%)	-0.8	-0.6	0.7	0.4	0.4	0.5	0.4	0.1	-1.2	-1.1	-1.1	-0.7
Below Normal (6%)	-0.6	-0.7	0.8	0.6	0.6	0.5	0.4	0.1	-1.0	-0.9	-1.1	-0.8
Dry (13%)	-0.8	-0.7	0.8	0.7	0.7	0.6	0.5	0.2	-0.8	-0.7	-0.9	-0.9
Critical (25%)	-0.7	-0.7	0.6	0.6	0.5	0.5	0.5	0.2	-0.8	-0.8	-0.9	-0.8

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-27-2-25. Old River at Tracy Blvd, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.5	3.2	2.3	3.1	3.7	4.1	3.3	2.7	2.7	2.5	2.3	2.8
20%	2.3	2.1	0.8	1.5	2.5	3.1	2.1	1.7	2.5	2.3	2.2	2.5
30%	2.2	2.1	0.7	1.2	1.7	1.6	1.3	1.5	2.4	2.2	2.2	2.3
40%	2.2	2.1	0.7	0.9	1.2	1.4	1.0	1.1	2.2	2.0	2.1	2.2
50%	2.1	2.0	0.6	0.8	0.8	0.9	0.8	1.0	2.0	1.9	2.1	2.2
60%	2.1	1.9	0.6	0.6	0.7	0.8	0.7	0.9	1.9	1.8	2.1	2.1
70%	2.1	1.9	0.5	0.6	0.7	0.7	0.7	0.9	1.9	1.8	2.0	2.1
80%	2.0	1.9	0.4	0.5	0.7	0.5	0.6	0.8	1.8	1.8	2.0	2.1
90%	2.0	1.9	0.3	0.5	0.6	0.4	0.4	0.8	1.8	1.7	2.0	2.0
Long Term												
Full Simulation Period[a]	2.2	2.2	1.0	1.3	1.7	1.9	1.4	1.5	2.2	2.0	2.2	2.3
Water Year Types[b]												
Wet (31%)	2.6	3.0	2.5	2.5	3.5	4.6	3.0	2.6	2.8	2.4	2.4	2.9
Above Normal (25%)	2.1	1.9	0.7	2.4	3.1	2.5	1.9	2.1	2.6	2.4	2.2	2.3
Below Normal (6%)	2.1	2.1	0.3	1.1	1.2	1.4	1.2	1.4	2.2	1.8	2.1	2.0
Dry (13%)	2.2	2.0	0.5	0.6	0.6	0.7	0.7	0.9	1.9	1.8	2.0	2.1
Critical (25%)	2.1	2.0	0.6	0.6	0.7	0.6	0.6	0.8	1.8	1.8	2.1	2.1

Alternative 9 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.5	2.5	3.1	3.7	4.4	4.6	3.8	3.3	2.3	2.2	2.1	2.7
20%	2.2	2.1	1.9	2.7	3.3	3.2	2.9	3.1	2.1	2.0	2.0	2.3
30%	2.0	1.9	1.8	2.6	3.2	3.1	2.8	2.7	2.0	1.9	1.9	2.1
40%	2.0	1.9	1.8	2.1	2.7	3.0	2.5	2.3	1.7	1.8	1.8	2.0
50%	1.9	1.8	1.8	1.9	1.9	2.0	2.0	1.9	1.5	1.6	1.8	1.9
60%	1.9	1.8	1.7	1.8	1.9	1.9	1.7	1.7	1.4	1.6	1.7	1.8
70%	1.9	1.7	1.7	1.7	1.8	1.7	1.6	1.6	1.4	1.6	1.7	1.8
80%	1.7	1.6	1.7	1.7	1.7	1.5	1.5	1.5	1.4	1.5	1.6	1.8
90%	1.6	1.5	1.5	1.6	1.6	1.4	1.4	1.4	1.3	1.4	1.6	1.7
Long Term												
Full Simulation Period[a]	2.0	1.9	2.1	2.4	2.8	2.9	2.4	2.3	1.8	1.8	1.9	2.1
Water Year Types[b]												
Wet (31%)	2.3	2.4	3.3	3.4	4.5	5.4	3.8	3.5	2.5	2.2	2.2	2.8
Above Normal (25%)	1.8	1.7	1.8	3.5	4.0	3.4	2.9	2.9	2.2	2.1	2.0	2.1
Below Normal (6%)	2.0	2.0	1.7	2.6	2.7	3.0	2.7	2.7	1.7	1.6	1.7	1.8
Dry (13%)	2.0	1.8	1.7	1.8	1.8	1.8	1.7	1.7	1.4	1.6	1.7	1.9
Critical (25%)	1.8	1.7	1.7	1.7	1.7	1.5	1.5	1.5	1.3	1.5	1.7	1.8

Alternative 9 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.0	-0.7	0.7	0.7	0.8	0.5	0.5	0.6	-0.4	-0.3	-0.2	-0.1
20%	-0.1	-0.1	1.1	1.3	0.8	0.2	0.8	1.4	-0.4	-0.3	-0.3	-0.3
30%	-0.2	-0.2	1.1	1.5	1.4	1.5	1.5	1.2	-0.5	-0.3	-0.2	-0.2
40%	-0.2	-0.2	1.1	1.2	1.5	1.7	1.5	1.1	-0.5	-0.2	-0.3	-0.2
50%	-0.2	-0.2	1.2	1.1	1.1	1.0	1.1	0.8	-0.5	-0.3	-0.3	-0.2
60%	-0.2	-0.1	1.1	1.1	1.1	1.1	1.0	0.8	-0.5	-0.2	-0.3	-0.3
70%	-0.2	-0.2	1.2	1.1	1.1	1.0	0.9	0.8	-0.5	-0.3	-0.3	-0.3
80%	-0.3	-0.3	1.2	1.1	1.0	1.0	0.9	0.7	-0.4	-0.3	-0.4	-0.3
90%	-0.4	-0.3	1.2	1.1	1.0	1.0	0.9	0.7	-0.5	-0.3	-0.3	-0.3
Long Term												
Full Simulation Period[a]	-0.3	-0.3	1.1	1.1	1.0	1.0	1.0	0.8	-0.4	-0.3	-0.3	-0.2
Water Year Types[b]												
Wet (31%)	-0.3	-0.6	0.8	0.9	1.0	0.8	0.8	0.9	-0.2	-0.2	-0.2	-0.1
Above Normal (25%)	-0.3	-0.2	1.1	1.1	0.9	0.9	1.0	0.9	-0.4	-0.3	-0.2	-0.2
Below Normal (6%)	-0.1	-0.2	1.4	1.5	1.5	1.6	1.5	1.4	-0.5	-0.3	-0.3	-0.2
Dry (13%)	-0.2	-0.2	1.3	1.2	1.2	1.1	1.1	0.8	-0.5	-0.2	-0.2	-0.3
Critical (25%)	-0.3	-0.3	1.1	1.0	1.0	0.9	0.9	0.7	-0.5	-0.3	-0.4	-0.3

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

C.28. Mokelumne River at Terminous Water Surface Elevation

Table C-28-1-1. Mokelumne River at Terminous, Monthly Averaged Daily Maximum Elevation

Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	3.3	3.7	3.9	4.0	4.3	3.9	3.6	3.5	3.6	3.7	3.7	3.7
20%	3.1	3.3	3.5	3.8	3.9	3.6	3.2	3.2	3.5	3.6	3.5	3.4
30%	3.1	3.2	3.4	3.5	3.5	3.3	3.0	3.2	3.4	3.6	3.5	3.4
40%	3.1	3.2	3.3	3.4	3.3	3.2	2.9	3.1	3.4	3.6	3.5	3.3
50%	3.1	3.1	3.3	3.3	3.2	3.1	2.9	3.1	3.3	3.6	3.5	3.3
60%	3.0	3.0	3.2	3.2	3.1	3.1	2.9	3.0	3.3	3.5	3.4	3.3
70%	3.0	3.0	3.1	3.2	3.0	2.9	2.8	3.0	3.2	3.5	3.3	3.2
80%	3.0	3.0	3.1	3.1	3.0	2.8	2.8	3.0	3.2	3.5	3.3	3.1
90%	2.9	2.9	2.9	3.0	2.9	2.7	2.7	2.9	3.1	3.4	3.2	3.1
Long Term												
Full Simulation Period[a]	3.1	3.2	3.4	3.4	3.4	3.2	3.0	3.2	3.4	3.6	3.5	3.3
Water Year Types[b]												
Wet (31%)	3.2	3.6	3.9	3.9	4.0	3.9	3.4	3.5	3.7	3.8	3.7	3.7
Above Normal (25%)	2.9	2.9	3.2	4.0	4.1	3.5	3.1	3.2	3.2	3.4	3.4	3.1
Below Normal (6%)	3.0	3.0	3.0	3.5	3.3	3.2	2.9	3.0	3.1	3.2	3.2	3.1
Dry (13%)	3.0	3.0	3.2	3.1	3.0	3.0	2.9	3.1	3.4	3.6	3.5	3.3
Critical (25%)	3.1	3.1	3.2	3.1	3.0	2.7	2.8	3.0	3.2	3.5	3.4	3.3

No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	4.8	5.2	5.4	5.5	5.8	5.4	5.1	5.0	5.1	5.3	5.2	5.2
20%	4.7	4.8	5.1	5.4	5.5	5.2	4.7	4.7	5.0	5.2	5.1	5.0
30%	4.6	4.8	4.9	5.1	5.0	4.8	4.6	4.7	5.0	5.2	5.1	4.9
40%	4.6	4.7	4.8	4.9	4.8	4.7	4.5	4.7	4.9	5.1	5.0	4.9
50%	4.6	4.6	4.8	4.9	4.7	4.6	4.4	4.6	4.9	5.1	5.0	4.9
60%	4.6	4.6	4.7	4.8	4.6	4.6	4.4	4.6	4.8	5.1	4.9	4.9
70%	4.5	4.6	4.7	4.7	4.6	4.4	4.4	4.6	4.8	5.0	4.9	4.8
80%	4.5	4.5	4.6	4.7	4.5	4.3	4.3	4.5	4.7	5.0	4.8	4.7
90%	4.5	4.4	4.5	4.5	4.4	4.2	4.2	4.4	4.7	4.9	4.8	4.6
Long Term												
Full Simulation Period[a]	4.6	4.7	4.9	5.0	4.9	4.7	4.5	4.7	4.9	5.1	5.0	4.9
Water Year Types[b]												
Wet (31%)	4.8	5.1	5.4	5.4	5.6	5.4	4.9	5.0	5.1	5.3	5.2	5.2
Above Normal (25%)	4.5	4.5	4.8	5.5	5.6	5.0	4.6	4.7	4.7	5.0	4.9	4.7
Below Normal (6%)	4.5	4.6	4.5	5.0	4.8	4.7	4.4	4.5	4.7	4.8	4.8	4.7
Dry (13%)	4.6	4.6	4.7	4.7	4.5	4.5	4.4	4.6	4.9	5.1	5.0	4.8
Critical (25%)	4.6	4.7	4.8	4.7	4.5	4.3	4.3	4.5	4.8	5.1	4.9	4.8

No Action Alternative (LLT) minus Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.5	1.5
20%	1.6	1.5	1.5	1.6	1.6	1.5	1.5	1.5	1.6	1.6	1.5	1.6
30%	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.5	1.5
40%	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
50%	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.5	1.5
60%	1.5	1.6	1.5	1.5	1.5	1.5	1.5	1.6	1.5	1.5	1.5	1.6
70%	1.6	1.6	1.6	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.5	1.6
80%	1.5	1.5	1.5	1.6	1.5	1.5	1.5	1.5	1.6	1.6	1.5	1.5
90%	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.6
Long Term												
Full Simulation Period[a]	1.6	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Water Year Types[b]												
Wet (31%)	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.6
Above Normal (25%)	1.5	1.5	1.6	1.6	1.6	1.5	1.5	1.5	1.5	1.5	1.5	1.6
Below Normal (6%)	1.6	1.6	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.5	1.6	1.5
Dry (13%)	1.6	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.5	1.5
Critical (25%)	1.6	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.5	1.5

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

Table C-28-1-2. Mokelumne River at Terminous, Monthly Averaged Daily Maximum Elevation

Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	3.3	3.7	3.9	4.0	4.3	3.9	3.6	3.5	3.6	3.7	3.7	3.7
20%	3.1	3.3	3.5	3.8	3.9	3.6	3.2	3.2	3.5	3.6	3.5	3.4
30%	3.1	3.2	3.4	3.5	3.5	3.3	3.0	3.2	3.4	3.6	3.5	3.4
40%	3.1	3.2	3.3	3.4	3.3	3.2	2.9	3.1	3.4	3.6	3.5	3.3
50%	3.1	3.1	3.3	3.3	3.2	3.1	2.9	3.1	3.3	3.6	3.5	3.3
60%	3.0	3.0	3.2	3.2	3.1	3.1	2.9	3.0	3.3	3.5	3.4	3.3
70%	3.0	3.0	3.1	3.2	3.0	2.9	2.8	3.0	3.2	3.5	3.3	3.2
80%	3.0	3.0	3.1	3.1	3.0	2.8	2.8	3.0	3.2	3.5	3.3	3.1
90%	2.9	2.9	2.9	3.0	2.9	2.7	2.7	2.9	3.1	3.4	3.2	3.1
Long Term												
Full Simulation Period[a]	3.1	3.2	3.4	3.4	3.4	3.2	3.0	3.2	3.4	3.6	3.5	3.3
Water Year Types[b]												
Wet (31%)	3.2	3.6	3.9	3.9	4.0	3.9	3.4	3.5	3.7	3.8	3.7	3.7
Above Normal (25%)	2.9	2.9	3.2	4.0	4.1	3.5	3.1	3.2	3.2	3.4	3.4	3.1
Below Normal (6%)	3.0	3.0	3.0	3.5	3.3	3.2	2.9	3.0	3.1	3.2	3.2	3.1
Dry (13%)	3.0	3.0	3.2	3.1	3.0	3.0	2.9	3.1	3.4	3.6	3.5	3.3
Critical (25%)	3.1	3.1	3.2	3.1	3.0	2.7	2.8	3.0	3.2	3.5	3.4	3.3

Alternative 1A,1B,1C (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	4.4	4.7	5.0	5.0	5.4	5.0	4.7	4.5	4.6	4.8	4.7	4.7
20%	4.3	4.4	4.6	4.9	5.0	4.7	4.3	4.3	4.5	4.7	4.6	4.5
30%	4.3	4.3	4.5	4.6	4.6	4.4	4.2	4.3	4.5	4.7	4.6	4.5
40%	4.2	4.3	4.4	4.5	4.4	4.3	4.1	4.2	4.4	4.6	4.6	4.5
50%	4.2	4.2	4.4	4.4	4.3	4.2	4.0	4.2	4.4	4.6	4.5	4.4
60%	4.2	4.2	4.3	4.3	4.2	4.2	4.0	4.1	4.4	4.6	4.5	4.4
70%	4.2	4.2	4.3	4.3	4.2	4.1	4.0	4.1	4.3	4.5	4.4	4.4
80%	4.1	4.1	4.2	4.3	4.1	4.0	3.9	4.1	4.3	4.5	4.4	4.3
90%	4.1	4.0	4.1	4.1	4.0	3.8	3.8	4.0	4.2	4.4	4.3	4.2
Long Term												
Full Simulation Period[a]	4.2	4.3	4.5	4.5	4.5	4.3	4.1	4.2	4.4	4.6	4.5	4.5
Water Year Types[b]												
Wet (31%)	4.4	4.7	4.9	4.9	5.1	5.0	4.5	4.5	4.7	4.8	4.7	4.7
Above Normal (25%)	4.1	4.1	4.3	5.0	5.2	4.6	4.2	4.2	4.3	4.5	4.5	4.3
Below Normal (6%)	4.2	4.2	4.1	4.6	4.4	4.3	4.0	4.1	4.2	4.3	4.3	4.2
Dry (13%)	4.2	4.2	4.3	4.3	4.1	4.1	4.0	4.2	4.5	4.6	4.5	4.4
Critical (25%)	4.2	4.2	4.3	4.3	4.1	3.9	3.9	4.1	4.3	4.6	4.5	4.4

Alternative 1A,1B,1C (LLT) minus Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.2	1.0	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.1	1.1	1.0
20%	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.1	1.1	1.1	1.1
30%	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
40%	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.1	1.1
50%	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
60%	1.1	1.1	1.2	1.1	1.1	1.1	1.1	1.1	1.0	1.1	1.1	1.1
70%	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
80%	1.2	1.1	1.1	1.2	1.1	1.2	1.2	1.0	1.1	1.1	1.1	1.1
90%	1.2	1.2	1.1	1.1	1.1	1.2	1.1	1.1	1.1	1.1	1.1	1.1
Long Term												
Full Simulation Period[a]	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Water Year Types[b]												
Wet (31%)	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.0	1.0	1.1
Above Normal (25%)	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.1	1.1	1.1
Below Normal (6%)	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.1	1.1	1.1	1.1
Dry (13%)	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Critical (25%)	1.2	1.1	1.1	1.1	1.1	1.2	1.1	1.1	1.1	1.1	1.1	1.1

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-28-1-3. Mokelumne River at Terminous, Monthly Averaged Daily Maximum Elevation

Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	3.3	3.7	3.9	4.0	4.3	3.9	3.6	3.5	3.6	3.7	3.7	3.7
20%	3.1	3.3	3.5	3.8	3.9	3.6	3.2	3.2	3.5	3.6	3.5	3.4
30%	3.1	3.2	3.4	3.5	3.5	3.3	3.0	3.2	3.4	3.6	3.5	3.4
40%	3.1	3.2	3.3	3.4	3.3	3.2	2.9	3.1	3.4	3.6	3.5	3.3
50%	3.1	3.1	3.3	3.3	3.2	3.1	2.9	3.1	3.3	3.6	3.5	3.3
60%	3.0	3.0	3.2	3.2	3.1	3.1	2.9	3.0	3.3	3.5	3.4	3.3
70%	3.0	3.0	3.1	3.2	3.0	2.9	2.8	3.0	3.2	3.5	3.3	3.2
80%	3.0	3.0	3.1	3.1	3.0	2.8	2.8	3.0	3.2	3.5	3.3	3.1
90%	2.9	2.9	2.9	3.0	2.9	2.7	2.7	2.9	3.1	3.4	3.2	3.1
Long Term												
Full Simulation Period[a]	3.1	3.2	3.4	3.4	3.4	3.2	3.0	3.2	3.4	3.6	3.5	3.3
Water Year Types[b]												
Wet (31%)	3.2	3.6	3.9	3.9	4.0	3.9	3.4	3.5	3.7	3.8	3.7	3.7
Above Normal (25%)	2.9	2.9	3.2	4.0	4.1	3.5	3.1	3.2	3.2	3.4	3.4	3.1
Below Normal (6%)	3.0	3.0	3.0	3.5	3.3	3.2	2.9	3.0	3.1	3.2	3.2	3.1
Dry (13%)	3.0	3.0	3.2	3.1	3.0	3.0	2.9	3.1	3.4	3.6	3.5	3.3
Critical (25%)	3.1	3.1	3.2	3.1	3.0	2.7	2.8	3.0	3.2	3.5	3.4	3.3

Alternative 2A,2B,2C (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	4.4	4.7	5.0	5.0	5.4	5.0	4.7	4.6	4.6	4.8	4.7	4.8
20%	4.3	4.4	4.6	4.9	5.0	4.7	4.3	4.3	4.5	4.7	4.6	4.6
30%	4.3	4.4	4.5	4.6	4.6	4.4	4.2	4.3	4.5	4.7	4.6	4.5
40%	4.3	4.3	4.4	4.5	4.4	4.2	4.1	4.2	4.4	4.6	4.6	4.5
50%	4.2	4.3	4.4	4.4	4.3	4.2	4.0	4.2	4.4	4.6	4.6	4.5
60%	4.2	4.2	4.3	4.4	4.2	4.2	4.0	4.2	4.4	4.6	4.5	4.4
70%	4.2	4.2	4.3	4.3	4.2	4.1	4.0	4.1	4.3	4.6	4.4	4.4
80%	4.2	4.1	4.2	4.3	4.1	4.0	3.9	4.1	4.3	4.5	4.4	4.3
90%	4.1	4.0	4.1	4.2	4.0	3.8	3.8	4.0	4.2	4.4	4.4	4.2
Long Term												
Full Simulation Period[a]	4.3	4.3	4.5	4.6	4.5	4.3	4.1	4.3	4.4	4.6	4.6	4.5
Water Year Types[b]												
Wet (31%)	4.4	4.7	5.0	4.9	5.1	5.0	4.5	4.5	4.7	4.8	4.7	4.8
Above Normal (25%)	4.1	4.1	4.4	5.0	5.2	4.6	4.2	4.3	4.3	4.5	4.5	4.3
Below Normal (6%)	4.2	4.2	4.1	4.6	4.3	4.2	4.0	4.1	4.3	4.3	4.3	4.2
Dry (13%)	4.2	4.2	4.3	4.3	4.2	4.1	4.0	4.2	4.5	4.6	4.6	4.4
Critical (25%)	4.2	4.3	4.3	4.3	4.1	3.9	3.9	4.1	4.3	4.6	4.5	4.4

Alternative 2A,2B,2C (LLT) minus Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.2
20%	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.2
30%	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
40%	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
50%	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
60%	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
70%	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.2
80%	1.2	1.2	1.1	1.2	1.1	1.2	1.2	1.1	1.1	1.1	1.1	1.2
90%	1.2	1.2	1.1	1.1	1.1	1.2	1.1	1.1	1.1	1.1	1.1	1.2
Long Term												
Full Simulation Period[a]	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Water Year Types[b]												
Wet (31%)	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.0	1.1	1.2
Above Normal (25%)	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.2
Below Normal (6%)	1.2	1.2	1.1	1.1	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Dry (13%)	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Critical (25%)	1.2	1.1	1.1	1.1	1.1	1.2	1.2	1.1	1.1	1.1	1.1	1.1

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-28-1-4. Mokelumne River at Terminous, Monthly Averaged Daily Maximum Elevation

Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	3.3	3.7	3.9	4.0	4.3	3.9	3.6	3.5	3.6	3.7	3.7	3.7
20%	3.1	3.3	3.5	3.8	3.9	3.6	3.2	3.2	3.5	3.6	3.5	3.4
30%	3.1	3.2	3.4	3.5	3.5	3.3	3.0	3.2	3.4	3.6	3.5	3.4
40%	3.1	3.2	3.3	3.4	3.3	3.2	2.9	3.1	3.4	3.6	3.5	3.3
50%	3.1	3.1	3.3	3.3	3.2	3.1	2.9	3.1	3.3	3.6	3.5	3.3
60%	3.0	3.0	3.2	3.2	3.1	3.1	2.9	3.0	3.3	3.5	3.4	3.3
70%	3.0	3.0	3.1	3.2	3.0	2.9	2.8	3.0	3.2	3.5	3.3	3.2
80%	3.0	3.0	3.1	3.1	3.0	2.8	2.8	3.0	3.2	3.5	3.3	3.1
90%	2.9	2.9	2.9	3.0	2.9	2.7	2.7	2.9	3.1	3.4	3.2	3.1
Long Term												
Full Simulation Period[a]	3.1	3.2	3.4	3.4	3.4	3.2	3.0	3.2	3.4	3.6	3.5	3.3
Water Year Types[b]												
Wet (31%)	3.2	3.6	3.9	3.9	4.0	3.9	3.4	3.5	3.7	3.8	3.7	3.7
Above Normal (25%)	2.9	2.9	3.2	4.0	4.1	3.5	3.1	3.2	3.2	3.4	3.4	3.1
Below Normal (6%)	3.0	3.0	3.0	3.5	3.3	3.2	2.9	3.0	3.1	3.2	3.2	3.1
Dry (13%)	3.0	3.0	3.2	3.1	3.0	3.0	2.9	3.1	3.4	3.6	3.5	3.3
Critical (25%)	3.1	3.1	3.2	3.1	3.0	2.7	2.8	3.0	3.2	3.5	3.4	3.3

Alternative 3 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	4.4	4.7	5.0	5.0	5.4	5.0	4.7	4.5	4.6	4.8	4.7	4.7
20%	4.3	4.4	4.6	4.9	5.0	4.7	4.3	4.3	4.5	4.7	4.6	4.5
30%	4.3	4.3	4.5	4.6	4.6	4.4	4.2	4.3	4.5	4.7	4.6	4.5
40%	4.2	4.3	4.4	4.5	4.4	4.3	4.1	4.2	4.4	4.6	4.6	4.5
50%	4.2	4.2	4.4	4.4	4.3	4.2	4.0	4.2	4.4	4.6	4.5	4.4
60%	4.2	4.2	4.3	4.3	4.2	4.2	4.0	4.1	4.4	4.6	4.5	4.4
70%	4.2	4.1	4.3	4.3	4.2	4.1	4.0	4.1	4.3	4.5	4.4	4.3
80%	4.1	4.1	4.2	4.3	4.1	4.0	3.9	4.1	4.3	4.5	4.4	4.3
90%	4.1	4.0	4.1	4.2	4.0	3.8	3.8	4.0	4.2	4.4	4.3	4.2
Long Term												
Full Simulation Period[a]	4.2	4.3	4.5	4.5	4.5	4.3	4.1	4.2	4.4	4.6	4.5	4.4
Water Year Types[b]												
Wet (31%)	4.4	4.7	4.9	4.9	5.1	5.0	4.5	4.5	4.7	4.8	4.7	4.7
Above Normal (25%)	4.1	4.1	4.3	5.0	5.2	4.6	4.2	4.2	4.3	4.5	4.5	4.2
Below Normal (6%)	4.2	4.2	4.1	4.6	4.4	4.3	4.0	4.1	4.2	4.3	4.3	4.2
Dry (13%)	4.2	4.2	4.3	4.3	4.1	4.1	4.0	4.2	4.5	4.6	4.5	4.4
Critical (25%)	4.2	4.2	4.3	4.3	4.1	3.9	3.9	4.1	4.3	4.6	4.5	4.4

Alternative 3 (LLT) minus Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.2	1.0	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.1	1.1	1.0
20%	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.1	1.1	1.1	1.1
30%	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
40%	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.1	1.1
50%	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
60%	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.1	1.1	1.1
70%	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
80%	1.2	1.1	1.1	1.2	1.1	1.2	1.2	1.0	1.1	1.1	1.1	1.1
90%	1.2	1.2	1.1	1.2	1.1	1.2	1.1	1.1	1.1	1.1	1.1	1.1
Long Term												
Full Simulation Period[a]	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Water Year Types[b]												
Wet (31%)	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.0	1.0	1.0
Above Normal (25%)	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.1	1.1	1.1
Below Normal (6%)	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.1	1.1	1.1	1.1
Dry (13%)	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Critical (25%)	1.2	1.1	1.1	1.1	1.1	1.2	1.2	1.1	1.1	1.1	1.1	1.1

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-28-1-5. Mokelumne River at Terminous, Monthly Averaged Daily Maximum Elevation

Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	3.3	3.7	3.9	4.0	4.3	3.9	3.6	3.5	3.6	3.7	3.7	3.7
20%	3.1	3.3	3.5	3.8	3.9	3.6	3.2	3.2	3.5	3.6	3.5	3.4
30%	3.1	3.2	3.4	3.5	3.5	3.3	3.0	3.2	3.4	3.6	3.5	3.4
40%	3.1	3.2	3.3	3.4	3.3	3.2	2.9	3.1	3.4	3.6	3.5	3.3
50%	3.1	3.1	3.3	3.3	3.2	3.1	2.9	3.1	3.3	3.6	3.5	3.3
60%	3.0	3.0	3.2	3.2	3.1	3.1	2.9	3.0	3.3	3.5	3.4	3.3
70%	3.0	3.0	3.1	3.2	3.0	2.9	2.8	3.0	3.2	3.5	3.3	3.2
80%	3.0	3.0	3.1	3.1	3.0	2.8	2.8	3.0	3.2	3.5	3.3	3.1
90%	2.9	2.9	2.9	3.0	2.9	2.7	2.7	2.9	3.1	3.4	3.2	3.1
Long Term												
Full Simulation Period[a]	3.1	3.2	3.4	3.4	3.4	3.2	3.0	3.2	3.4	3.6	3.5	3.3
Water Year Types[b]												
Wet (31%)	3.2	3.6	3.9	3.9	4.0	3.9	3.4	3.5	3.7	3.8	3.7	3.7
Above Normal (25%)	2.9	2.9	3.2	4.0	4.1	3.5	3.1	3.2	3.2	3.4	3.4	3.1
Below Normal (6%)	3.0	3.0	3.0	3.5	3.3	3.2	2.9	3.0	3.1	3.2	3.2	3.1
Dry (13%)	3.0	3.0	3.2	3.1	3.0	3.0	2.9	3.1	3.4	3.6	3.5	3.3
Critical (25%)	3.1	3.1	3.2	3.1	3.0	2.7	2.8	3.0	3.2	3.5	3.4	3.3

Alternative 4 H1 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	4.4	4.7	5.0	5.0	5.4	5.0	4.7	4.6	4.6	4.8	4.7	4.7
20%	4.3	4.4	4.6	4.9	5.0	4.8	4.3	4.3	4.6	4.7	4.6	4.5
30%	4.3	4.4	4.5	4.6	4.6	4.4	4.2	4.3	4.5	4.7	4.6	4.5
40%	4.3	4.3	4.4	4.5	4.4	4.3	4.1	4.2	4.5	4.6	4.6	4.5
50%	4.2	4.2	4.4	4.4	4.3	4.2	4.0	4.2	4.4	4.6	4.6	4.5
60%	4.2	4.2	4.3	4.4	4.2	4.2	4.0	4.2	4.4	4.6	4.5	4.4
70%	4.2	4.2	4.3	4.3	4.2	4.1	4.0	4.1	4.3	4.6	4.4	4.4
80%	4.1	4.1	4.2	4.3	4.1	4.0	3.9	4.1	4.3	4.5	4.4	4.3
90%	4.1	4.0	4.1	4.2	4.0	3.8	3.8	4.0	4.3	4.4	4.4	4.2
Long Term												
Full Simulation Period[a]	4.2	4.3	4.5	4.6	4.5	4.3	4.1	4.3	4.4	4.6	4.6	4.5
Water Year Types[b]												
Wet (31%)	4.4	4.7	5.0	4.9	5.1	5.0	4.5	4.5	4.7	4.8	4.7	4.7
Above Normal (25%)	4.1	4.1	4.4	5.0	5.2	4.6	4.2	4.3	4.3	4.5	4.5	4.3
Below Normal (6%)	4.2	4.2	4.1	4.6	4.4	4.3	4.0	4.1	4.2	4.3	4.3	4.3
Dry (13%)	4.2	4.2	4.3	4.3	4.2	4.1	4.0	4.2	4.5	4.6	4.6	4.4
Critical (25%)	4.2	4.2	4.3	4.3	4.1	3.9	3.9	4.1	4.3	4.6	4.5	4.4

Alternative 4 H1 (LLT) minus Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.1	1.1	1.1
20%	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
30%	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
40%	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
50%	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
60%	1.2	1.1	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
70%	1.2	1.1	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
80%	1.2	1.1	1.1	1.2	1.1	1.2	1.2	1.1	1.1	1.1	1.1	1.2
90%	1.2	1.2	1.1	1.2	1.1	1.2	1.1	1.1	1.1	1.1	1.1	1.1
Long Term												
Full Simulation Period[a]	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Water Year Types[b]												
Wet (31%)	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.0	1.1	1.1
Above Normal (25%)	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Below Normal (6%)	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Dry (13%)	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Critical (25%)	1.2	1.1	1.1	1.1	1.1	1.2	1.2	1.1	1.1	1.1	1.1	1.1

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-28-1-6. Mokelumne River at Terminous, Monthly Averaged Daily Maximum Elevation

Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	3.3	3.7	3.9	4.0	4.3	3.9	3.6	3.5	3.6	3.7	3.7	3.7
20%	3.1	3.3	3.5	3.8	3.9	3.6	3.2	3.2	3.5	3.6	3.5	3.4
30%	3.1	3.2	3.4	3.5	3.5	3.3	3.0	3.2	3.4	3.6	3.5	3.4
40%	3.1	3.2	3.3	3.4	3.3	3.2	2.9	3.1	3.4	3.6	3.5	3.3
50%	3.1	3.1	3.3	3.3	3.2	3.1	2.9	3.1	3.3	3.6	3.5	3.3
60%	3.0	3.0	3.2	3.2	3.1	3.1	2.9	3.0	3.3	3.5	3.4	3.3
70%	3.0	3.0	3.1	3.2	3.0	2.9	2.8	3.0	3.2	3.5	3.3	3.2
80%	3.0	3.0	3.1	3.1	3.0	2.8	2.8	3.0	3.2	3.5	3.3	3.1
90%	2.9	2.9	2.9	3.0	2.9	2.7	2.7	2.9	3.1	3.4	3.2	3.1
Long Term												
Full Simulation Period[a]	3.1	3.2	3.4	3.4	3.4	3.2	3.0	3.2	3.4	3.6	3.5	3.3
Water Year Types[b]												
Wet (31%)	3.2	3.6	3.9	3.9	4.0	3.9	3.4	3.5	3.7	3.8	3.7	3.7
Above Normal (25%)	2.9	2.9	3.2	4.0	4.1	3.5	3.1	3.2	3.2	3.4	3.4	3.1
Below Normal (6%)	3.0	3.0	3.0	3.5	3.3	3.2	2.9	3.0	3.1	3.2	3.2	3.1
Dry (13%)	3.0	3.0	3.2	3.1	3.0	3.0	2.9	3.1	3.4	3.6	3.5	3.3
Critical (25%)	3.1	3.1	3.2	3.1	3.0	2.7	2.8	3.0	3.2	3.5	3.4	3.3

Alternative 4 H2 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	4.4	4.8	5.0	5.0	5.4	5.0	4.7	4.6	4.6	4.8	4.7	4.7
20%	4.3	4.4	4.6	4.9	5.1	4.8	4.3	4.3	4.6	4.7	4.6	4.5
30%	4.3	4.4	4.5	4.6	4.6	4.4	4.2	4.3	4.5	4.7	4.6	4.5
40%	4.3	4.3	4.4	4.5	4.4	4.3	4.1	4.3	4.5	4.7	4.6	4.5
50%	4.2	4.3	4.4	4.4	4.3	4.2	4.0	4.2	4.4	4.6	4.6	4.5
60%	4.2	4.2	4.3	4.4	4.2	4.2	4.0	4.2	4.4	4.6	4.5	4.4
70%	4.2	4.2	4.3	4.3	4.2	4.1	4.0	4.1	4.3	4.6	4.4	4.4
80%	4.1	4.1	4.2	4.3	4.1	4.0	4.0	4.1	4.3	4.5	4.4	4.3
90%	4.1	4.0	4.1	4.2	4.0	3.8	3.8	4.0	4.2	4.4	4.4	4.2
Long Term												
Full Simulation Period[a]	4.2	4.3	4.5	4.6	4.5	4.4	4.1	4.3	4.4	4.6	4.6	4.5
Water Year Types[b]												
Wet (31%)	4.4	4.7	5.0	4.9	5.1	5.0	4.5	4.5	4.7	4.8	4.7	4.8
Above Normal (25%)	4.1	4.1	4.4	5.0	5.2	4.6	4.3	4.3	4.3	4.5	4.5	4.3
Below Normal (6%)	4.1	4.2	4.1	4.6	4.4	4.3	4.0	4.1	4.2	4.3	4.3	4.3
Dry (13%)	4.2	4.2	4.3	4.3	4.2	4.1	4.0	4.2	4.5	4.6	4.6	4.4
Critical (25%)	4.2	4.2	4.3	4.3	4.1	3.9	3.9	4.1	4.3	4.6	4.5	4.4

Alternative 4 H2 (LLT) minus Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.1	1.1	1.1
20%	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
30%	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
40%	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
50%	1.2	1.1	1.1	1.1	1.1	1.1	1.2	1.1	1.1	1.1	1.1	1.1
60%	1.2	1.1	1.2	1.1	1.1	1.1	1.1	1.2	1.1	1.1	1.1	1.1
70%	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
80%	1.2	1.1	1.1	1.2	1.1	1.2	1.2	1.1	1.1	1.1	1.1	1.2
90%	1.2	1.2	1.1	1.2	1.1	1.2	1.2	1.1	1.1	1.1	1.1	1.1
Long Term												
Full Simulation Period[a]	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Water Year Types[b]												
Wet (31%)	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.0	1.1	1.1
Above Normal (25%)	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Below Normal (6%)	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Dry (13%)	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Critical (25%)	1.2	1.1	1.1	1.1	1.1	1.2	1.2	1.1	1.1	1.1	1.1	1.1

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-28-1-7. Mokelumne River at Terminous, Monthly Averaged Daily Maximum Elevation

Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	3.3	3.7	3.9	4.0	4.3	3.9	3.6	3.5	3.6	3.7	3.7	3.7
20%	3.1	3.3	3.5	3.8	3.9	3.6	3.2	3.2	3.5	3.6	3.5	3.4
30%	3.1	3.2	3.4	3.5	3.5	3.3	3.0	3.2	3.4	3.6	3.5	3.4
40%	3.1	3.2	3.3	3.4	3.3	3.2	2.9	3.1	3.4	3.6	3.5	3.3
50%	3.1	3.1	3.3	3.3	3.2	3.1	2.9	3.1	3.3	3.6	3.5	3.3
60%	3.0	3.0	3.2	3.2	3.1	3.1	2.9	3.0	3.3	3.5	3.4	3.3
70%	3.0	3.0	3.1	3.2	3.0	2.9	2.8	3.0	3.2	3.5	3.3	3.2
80%	3.0	3.0	3.1	3.1	3.0	2.8	2.8	3.0	3.2	3.5	3.3	3.1
90%	2.9	2.9	2.9	3.0	2.9	2.7	2.7	2.9	3.1	3.4	3.2	3.1
Long Term												
Full Simulation Period[a]	3.1	3.2	3.4	3.4	3.4	3.2	3.0	3.2	3.4	3.6	3.5	3.3
Water Year Types[b]												
Wet (31%)	3.2	3.6	3.9	3.9	4.0	3.9	3.4	3.5	3.7	3.8	3.7	3.7
Above Normal (25%)	2.9	2.9	3.2	4.0	4.1	3.5	3.1	3.2	3.2	3.4	3.4	3.1
Below Normal (6%)	3.0	3.0	3.0	3.5	3.3	3.2	2.9	3.0	3.1	3.2	3.2	3.1
Dry (13%)	3.0	3.0	3.2	3.1	3.0	3.0	2.9	3.1	3.4	3.6	3.5	3.3
Critical (25%)	3.1	3.1	3.2	3.1	3.0	2.7	2.8	3.0	3.2	3.5	3.4	3.3

Alternative 4 H3 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	4.4	4.7	5.0	5.0	5.4	5.0	4.7	4.6	4.6	4.8	4.7	4.8
20%	4.3	4.4	4.6	4.9	5.0	4.8	4.3	4.3	4.6	4.7	4.6	4.6
30%	4.3	4.4	4.5	4.6	4.6	4.4	4.2	4.3	4.5	4.7	4.6	4.5
40%	4.3	4.3	4.4	4.5	4.4	4.3	4.1	4.2	4.4	4.6	4.6	4.5
50%	4.2	4.2	4.4	4.4	4.3	4.2	4.0	4.2	4.4	4.6	4.6	4.5
60%	4.2	4.2	4.3	4.4	4.2	4.2	4.0	4.2	4.4	4.6	4.5	4.4
70%	4.2	4.2	4.3	4.3	4.2	4.1	4.0	4.1	4.3	4.6	4.4	4.4
80%	4.1	4.1	4.2	4.3	4.1	4.0	3.9	4.1	4.3	4.5	4.4	4.3
90%	4.1	4.0	4.1	4.2	4.0	3.8	3.8	4.0	4.2	4.4	4.4	4.2
Long Term												
Full Simulation Period[a]	4.3	4.3	4.5	4.6	4.5	4.3	4.1	4.3	4.4	4.6	4.6	4.5
Water Year Types[b]												
Wet (31%)	4.4	4.7	5.0	4.9	5.1	5.0	4.5	4.5	4.7	4.8	4.7	4.8
Above Normal (25%)	4.1	4.1	4.4	5.0	5.2	4.6	4.2	4.3	4.3	4.5	4.5	4.3
Below Normal (6%)	4.1	4.2	4.1	4.6	4.4	4.3	4.0	4.1	4.3	4.3	4.3	4.2
Dry (13%)	4.2	4.2	4.3	4.3	4.2	4.1	4.0	4.2	4.5	4.6	4.6	4.4
Critical (25%)	4.2	4.3	4.3	4.3	4.1	3.9	3.9	4.1	4.3	4.6	4.5	4.4

Alternative 4 H3 (LLT) minus Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.1	1.1	1.2
20%	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.2
30%	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
40%	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
50%	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
60%	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
70%	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.2
80%	1.2	1.2	1.1	1.2	1.1	1.2	1.2	1.1	1.1	1.1	1.1	1.2
90%	1.2	1.2	1.1	1.1	1.1	1.2	1.1	1.1	1.1	1.1	1.1	1.2
Long Term												
Full Simulation Period[a]	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Water Year Types[b]												
Wet (31%)	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.0	1.1	1.2
Above Normal (25%)	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.2
Below Normal (6%)	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Dry (13%)	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Critical (25%)	1.2	1.1	1.1	1.1	1.1	1.2	1.2	1.1	1.1	1.1	1.1	1.1

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-28-1-8. Mokelumne River at Terminous, Monthly Averaged Daily Maximum Elevation

Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	3.3	3.7	3.9	4.0	4.3	3.9	3.6	3.5	3.6	3.7	3.7	3.7
20%	3.1	3.3	3.5	3.8	3.9	3.6	3.2	3.2	3.5	3.6	3.5	3.4
30%	3.1	3.2	3.4	3.5	3.5	3.3	3.0	3.2	3.4	3.6	3.5	3.4
40%	3.1	3.2	3.3	3.4	3.3	3.2	2.9	3.1	3.4	3.6	3.5	3.3
50%	3.1	3.1	3.3	3.3	3.2	3.1	2.9	3.1	3.3	3.6	3.5	3.3
60%	3.0	3.0	3.2	3.2	3.1	3.1	2.9	3.0	3.3	3.5	3.4	3.3
70%	3.0	3.0	3.1	3.2	3.0	2.9	2.8	3.0	3.2	3.5	3.3	3.2
80%	3.0	3.0	3.1	3.1	3.0	2.8	2.8	3.0	3.2	3.5	3.3	3.1
90%	2.9	2.9	2.9	3.0	2.9	2.7	2.7	2.9	3.1	3.4	3.2	3.1
Long Term												
Full Simulation Period[a]	3.1	3.2	3.4	3.4	3.4	3.2	3.0	3.2	3.4	3.6	3.5	3.3
Water Year Types[b]												
Wet (31%)	3.2	3.6	3.9	3.9	4.0	3.9	3.4	3.5	3.7	3.8	3.7	3.7
Above Normal (25%)	2.9	2.9	3.2	4.0	4.1	3.5	3.1	3.2	3.2	3.4	3.4	3.1
Below Normal (6%)	3.0	3.0	3.0	3.5	3.3	3.2	2.9	3.0	3.1	3.2	3.2	3.1
Dry (13%)	3.0	3.0	3.2	3.1	3.0	3.0	2.9	3.1	3.4	3.6	3.5	3.3
Critical (25%)	3.1	3.1	3.2	3.1	3.0	2.7	2.8	3.0	3.2	3.5	3.4	3.3

Alternative 4 H4 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	4.4	4.7	5.0	5.0	5.4	5.0	4.7	4.6	4.6	4.8	4.7	4.8
20%	4.3	4.4	4.6	4.9	5.1	4.8	4.3	4.3	4.5	4.7	4.6	4.6
30%	4.3	4.4	4.5	4.6	4.6	4.4	4.2	4.3	4.5	4.7	4.6	4.5
40%	4.3	4.3	4.4	4.5	4.4	4.3	4.1	4.3	4.5	4.7	4.6	4.5
50%	4.2	4.2	4.4	4.4	4.3	4.2	4.0	4.2	4.4	4.6	4.6	4.5
60%	4.2	4.2	4.3	4.4	4.2	4.2	4.0	4.2	4.4	4.6	4.5	4.4
70%	4.2	4.2	4.3	4.3	4.2	4.1	4.0	4.1	4.3	4.6	4.4	4.4
80%	4.1	4.1	4.2	4.3	4.1	4.0	4.0	4.1	4.3	4.5	4.4	4.3
90%	4.1	4.0	4.1	4.2	4.0	3.8	3.8	4.0	4.2	4.4	4.4	4.2
Long Term												
Full Simulation Period[a]	4.3	4.3	4.5	4.6	4.5	4.4	4.1	4.3	4.4	4.6	4.6	4.5
Water Year Types[b]												
Wet (31%)	4.4	4.7	4.9	4.9	5.1	5.0	4.5	4.5	4.7	4.8	4.7	4.8
Above Normal (25%)	4.1	4.1	4.4	5.0	5.2	4.6	4.3	4.3	4.3	4.5	4.5	4.3
Below Normal (6%)	4.1	4.2	4.1	4.6	4.4	4.3	4.0	4.1	4.3	4.3	4.3	4.3
Dry (13%)	4.2	4.2	4.3	4.3	4.2	4.1	4.0	4.2	4.5	4.6	4.6	4.4
Critical (25%)	4.2	4.3	4.3	4.3	4.1	3.9	3.9	4.1	4.3	4.6	4.5	4.4

Alternative 4 H4 (LLT) minus Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.1	1.1	1.2
20%	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.2
30%	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
40%	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
50%	1.2	1.1	1.1	1.1	1.1	1.1	1.2	1.1	1.1	1.1	1.1	1.1
60%	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.2	1.1	1.1	1.1	1.1
70%	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.2
80%	1.2	1.2	1.1	1.2	1.1	1.2	1.2	1.1	1.1	1.1	1.1	1.2
90%	1.2	1.2	1.1	1.1	1.1	1.2	1.2	1.1	1.1	1.1	1.1	1.2
Long Term												
Full Simulation Period[a]	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Water Year Types[b]												
Wet (31%)	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.0	1.1	1.2
Above Normal (25%)	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.2
Below Normal (6%)	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Dry (13%)	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Critical (25%)	1.2	1.1	1.1	1.1	1.1	1.2	1.2	1.1	1.1	1.1	1.1	1.1

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-28-1-9. Mokelumne River at Terminous, Monthly Averaged Daily Maximum Elevation

Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	3.3	3.7	3.9	4.0	4.3	3.9	3.6	3.5	3.6	3.7	3.7	3.7
20%	3.1	3.3	3.5	3.8	3.9	3.6	3.2	3.2	3.5	3.6	3.5	3.4
30%	3.1	3.2	3.4	3.5	3.5	3.3	3.0	3.2	3.4	3.6	3.5	3.4
40%	3.1	3.2	3.3	3.4	3.3	3.2	2.9	3.1	3.4	3.6	3.5	3.3
50%	3.1	3.1	3.3	3.3	3.2	3.1	2.9	3.1	3.3	3.6	3.5	3.3
60%	3.0	3.0	3.2	3.2	3.1	3.1	2.9	3.0	3.3	3.5	3.4	3.3
70%	3.0	3.0	3.1	3.2	3.0	2.9	2.8	3.0	3.2	3.5	3.3	3.2
80%	3.0	3.0	3.1	3.1	3.0	2.8	2.8	3.0	3.2	3.5	3.3	3.1
90%	2.9	2.9	2.9	3.0	2.9	2.7	2.7	2.9	3.1	3.4	3.2	3.1
Long Term												
Full Simulation Period[a]	3.1	3.2	3.4	3.4	3.4	3.2	3.0	3.2	3.4	3.6	3.5	3.3
Water Year Types[b]												
Wet (31%)	3.2	3.6	3.9	3.9	4.0	3.9	3.4	3.5	3.7	3.8	3.7	3.7
Above Normal (25%)	2.9	2.9	3.2	4.0	4.1	3.5	3.1	3.2	3.2	3.4	3.4	3.1
Below Normal (6%)	3.0	3.0	3.0	3.5	3.3	3.2	2.9	3.0	3.1	3.2	3.2	3.1
Dry (13%)	3.0	3.0	3.2	3.1	3.0	3.0	2.9	3.1	3.4	3.6	3.5	3.3
Critical (25%)	3.1	3.1	3.2	3.1	3.0	2.7	2.8	3.0	3.2	3.5	3.4	3.3

Alternative 5 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	4.4	4.7	5.0	5.0	5.4	5.0	4.7	4.6	4.6	4.8	4.7	4.8
20%	4.3	4.4	4.6	4.9	5.0	4.7	4.3	4.3	4.5	4.7	4.7	4.6
30%	4.3	4.4	4.5	4.6	4.6	4.4	4.2	4.3	4.5	4.7	4.6	4.5
40%	4.3	4.3	4.4	4.5	4.4	4.3	4.1	4.2	4.5	4.7	4.6	4.5
50%	4.2	4.3	4.4	4.4	4.3	4.2	4.0	4.2	4.4	4.6	4.5	4.5
60%	4.2	4.2	4.3	4.3	4.2	4.2	4.0	4.2	4.4	4.6	4.5	4.4
70%	4.1	4.2	4.3	4.3	4.2	4.1	4.0	4.1	4.3	4.6	4.4	4.4
80%	4.1	4.1	4.2	4.3	4.1	4.0	3.9	4.1	4.3	4.5	4.4	4.3
90%	4.1	4.0	4.1	4.2	4.0	3.8	3.8	4.0	4.2	4.4	4.4	4.2
Long Term												
Full Simulation Period[a]	4.2	4.3	4.5	4.5	4.5	4.3	4.1	4.3	4.4	4.6	4.6	4.5
Water Year Types[b]												
Wet (31%)	4.4	4.7	4.9	4.9	5.1	5.0	4.5	4.5	4.7	4.8	4.7	4.8
Above Normal (25%)	4.1	4.1	4.4	5.0	5.2	4.6	4.2	4.3	4.3	4.5	4.5	4.3
Below Normal (6%)	4.1	4.2	4.1	4.6	4.4	4.3	4.0	4.1	4.2	4.3	4.3	4.2
Dry (13%)	4.2	4.2	4.3	4.3	4.1	4.1	4.0	4.2	4.5	4.6	4.6	4.4
Critical (25%)	4.2	4.3	4.3	4.3	4.1	3.9	3.9	4.1	4.3	4.6	4.5	4.4

Alternative 5 (LLT) minus Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.1	1.1	1.2
20%	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.1	1.1	1.1	1.2
30%	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
40%	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
50%	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
60%	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
70%	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.2
80%	1.2	1.1	1.1	1.2	1.1	1.2	1.2	1.1	1.1	1.1	1.1	1.2
90%	1.2	1.2	1.1	1.1	1.1	1.2	1.1	1.1	1.1	1.1	1.1	1.2
Long Term												
Full Simulation Period[a]	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Water Year Types[b]												
Wet (31%)	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.0	1.0	1.1
Above Normal (25%)	1.2	1.1	1.2	1.1	1.1	1.1	1.1	1.1	1.0	1.1	1.1	1.2
Below Normal (6%)	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Dry (13%)	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Critical (25%)	1.2	1.1	1.1	1.1	1.1	1.2	1.2	1.1	1.1	1.1	1.1	1.1

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-28-1-10. Mokelumne River at Terminous, Monthly Averaged Daily Maximum Elevation

Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	3.3	3.7	3.9	4.0	4.3	3.9	3.6	3.5	3.6	3.7	3.7	3.7
20%	3.1	3.3	3.5	3.8	3.9	3.6	3.2	3.2	3.5	3.6	3.5	3.4
30%	3.1	3.2	3.4	3.5	3.5	3.3	3.0	3.2	3.4	3.6	3.5	3.4
40%	3.1	3.2	3.3	3.4	3.3	3.2	2.9	3.1	3.4	3.6	3.5	3.3
50%	3.1	3.1	3.3	3.3	3.2	3.1	2.9	3.1	3.3	3.6	3.5	3.3
60%	3.0	3.0	3.2	3.2	3.1	3.1	2.9	3.0	3.3	3.5	3.4	3.3
70%	3.0	3.0	3.1	3.2	3.0	2.9	2.8	3.0	3.2	3.5	3.3	3.2
80%	3.0	3.0	3.1	3.1	3.0	2.8	2.8	3.0	3.2	3.5	3.3	3.1
90%	2.9	2.9	2.9	3.0	2.9	2.7	2.7	2.9	3.1	3.4	3.2	3.1
Long Term												
Full Simulation Period[a]	3.1	3.2	3.4	3.4	3.4	3.2	3.0	3.2	3.4	3.6	3.5	3.3
Water Year Types[b]												
Wet (31%)	3.2	3.6	3.9	3.9	4.0	3.9	3.4	3.5	3.7	3.8	3.7	3.7
Above Normal (25%)	2.9	2.9	3.2	4.0	4.1	3.5	3.1	3.2	3.2	3.4	3.4	3.1
Below Normal (6%)	3.0	3.0	3.0	3.5	3.3	3.2	2.9	3.0	3.1	3.2	3.2	3.1
Dry (13%)	3.0	3.0	3.2	3.1	3.0	3.0	2.9	3.1	3.4	3.6	3.5	3.3
Critical (25%)	3.1	3.1	3.2	3.1	3.0	2.7	2.8	3.0	3.2	3.5	3.4	3.3

Alternative 6A,6B,6C (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	4.4	4.7	5.0	5.0	5.4	5.0	4.7	4.6	4.6	4.8	4.8	4.8
20%	4.3	4.4	4.7	4.9	5.0	4.7	4.3	4.3	4.5	4.7	4.7	4.6
30%	4.3	4.4	4.5	4.6	4.6	4.4	4.2	4.3	4.5	4.7	4.6	4.5
40%	4.2	4.3	4.5	4.5	4.4	4.3	4.1	4.2	4.4	4.7	4.6	4.5
50%	4.2	4.3	4.4	4.5	4.4	4.2	4.0	4.2	4.4	4.6	4.6	4.5
60%	4.2	4.2	4.4	4.4	4.2	4.2	4.0	4.2	4.4	4.6	4.5	4.4
70%	4.1	4.2	4.3	4.3	4.2	4.1	4.0	4.1	4.3	4.6	4.5	4.4
80%	4.1	4.2	4.3	4.3	4.1	4.0	3.9	4.1	4.3	4.5	4.4	4.3
90%	4.1	4.0	4.1	4.2	4.0	3.9	3.8	4.0	4.2	4.4	4.4	4.2
Long Term												
Full Simulation Period[a]	4.2	4.3	4.5	4.6	4.5	4.4	4.1	4.3	4.4	4.6	4.6	4.5
Water Year Types[b]												
Wet (31%)	4.4	4.7	5.0	4.9	5.1	5.0	4.5	4.5	4.7	4.8	4.8	4.8
Above Normal (25%)	4.1	4.1	4.4	5.0	5.2	4.6	4.2	4.3	4.3	4.5	4.5	4.3
Below Normal (6%)	4.1	4.2	4.1	4.6	4.4	4.3	4.0	4.1	4.2	4.3	4.4	4.3
Dry (13%)	4.2	4.2	4.4	4.3	4.2	4.1	4.0	4.2	4.4	4.6	4.6	4.4
Critical (25%)	4.2	4.3	4.4	4.3	4.1	3.9	3.9	4.1	4.3	4.6	4.5	4.4

Alternative 6A,6B,6C (LLT) minus Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.1	1.1	1.1
20%	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.0	1.1	1.1	1.1	1.2
30%	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.2
40%	1.2	1.1	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
50%	1.2	1.2	1.2	1.1	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1
60%	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.0	1.1	1.1	1.1
70%	1.2	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.2
80%	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.2
90%	1.2	1.2	1.2	1.1	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.2
Long Term												
Full Simulation Period[a]	1.2	1.1	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Water Year Types[b]												
Wet (31%)	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.0	1.1	1.1
Above Normal (25%)	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.0	1.1	1.1	1.2
Below Normal (6%)	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.2
Dry (13%)	1.2	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Critical (25%)	1.2	1.2	1.1	1.1	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.1

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-28-1-11. Mokelumne River at Terminous, Monthly Averaged Daily Maximum Elevation

Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	3.3	3.7	3.9	4.0	4.3	3.9	3.6	3.5	3.6	3.7	3.7	3.7
20%	3.1	3.3	3.5	3.8	3.9	3.6	3.2	3.2	3.5	3.6	3.5	3.4
30%	3.1	3.2	3.4	3.5	3.5	3.3	3.0	3.2	3.4	3.6	3.5	3.4
40%	3.1	3.2	3.3	3.4	3.3	3.2	2.9	3.1	3.4	3.6	3.5	3.3
50%	3.1	3.1	3.3	3.3	3.2	3.1	2.9	3.1	3.3	3.6	3.5	3.3
60%	3.0	3.0	3.2	3.2	3.1	3.1	2.9	3.0	3.3	3.5	3.4	3.3
70%	3.0	3.0	3.1	3.2	3.0	2.9	2.8	3.0	3.2	3.5	3.3	3.2
80%	3.0	3.0	3.1	3.1	3.0	2.8	2.8	3.0	3.2	3.5	3.3	3.1
90%	2.9	2.9	2.9	3.0	2.9	2.7	2.7	2.9	3.1	3.4	3.2	3.1
Long Term												
Full Simulation Period[a]	3.1	3.2	3.4	3.4	3.4	3.2	3.0	3.2	3.4	3.6	3.5	3.3
Water Year Types[b]												
Wet (31%)	3.2	3.6	3.9	3.9	4.0	3.9	3.4	3.5	3.7	3.8	3.7	3.7
Above Normal (25%)	2.9	2.9	3.2	4.0	4.1	3.5	3.1	3.2	3.2	3.4	3.4	3.1
Below Normal (6%)	3.0	3.0	3.0	3.5	3.3	3.2	2.9	3.0	3.1	3.2	3.2	3.1
Dry (13%)	3.0	3.0	3.2	3.1	3.0	3.0	2.9	3.1	3.4	3.6	3.5	3.3
Critical (25%)	3.1	3.1	3.2	3.1	3.0	2.7	2.8	3.0	3.2	3.5	3.4	3.3

Alternative 7 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	4.4	4.8	5.0	5.0	5.4	5.0	4.7	4.6	4.6	4.8	4.7	4.8
20%	4.3	4.4	4.7	4.9	5.0	4.7	4.3	4.3	4.5	4.7	4.6	4.5
30%	4.3	4.4	4.5	4.6	4.6	4.4	4.2	4.3	4.5	4.7	4.6	4.5
40%	4.2	4.3	4.5	4.5	4.4	4.3	4.1	4.2	4.4	4.6	4.6	4.5
50%	4.2	4.3	4.4	4.4	4.4	4.2	4.0	4.2	4.4	4.6	4.5	4.4
60%	4.2	4.2	4.4	4.4	4.2	4.2	4.0	4.2	4.4	4.6	4.5	4.4
70%	4.1	4.2	4.3	4.3	4.2	4.1	4.0	4.1	4.3	4.5	4.4	4.4
80%	4.1	4.2	4.3	4.3	4.1	4.0	3.9	4.1	4.3	4.5	4.4	4.3
90%	4.1	4.0	4.1	4.2	4.0	3.9	3.8	4.0	4.2	4.4	4.4	4.2
Long Term												
Full Simulation Period[a]	4.2	4.3	4.5	4.6	4.5	4.4	4.1	4.3	4.4	4.6	4.5	4.5
Water Year Types[b]												
Wet (31%)	4.4	4.7	5.0	4.9	5.1	5.0	4.5	4.5	4.7	4.8	4.7	4.8
Above Normal (25%)	4.1	4.1	4.4	5.0	5.2	4.6	4.2	4.3	4.3	4.5	4.5	4.3
Below Normal (6%)	4.1	4.2	4.1	4.6	4.4	4.3	4.0	4.1	4.2	4.3	4.3	4.2
Dry (13%)	4.2	4.2	4.4	4.3	4.2	4.1	4.0	4.2	4.4	4.6	4.5	4.4
Critical (25%)	4.2	4.3	4.4	4.3	4.1	3.9	3.9	4.1	4.3	4.6	4.5	4.4

Alternative 7 (LLT) minus Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.1	1.1	1.2
20%	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.2
30%	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
40%	1.2	1.1	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
50%	1.2	1.2	1.2	1.1	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1
60%	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
70%	1.2	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1
80%	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.1
90%	1.2	1.2	1.2	1.1	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.2
Long Term												
Full Simulation Period[a]	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.1	1.1
Water Year Types[b]												
Wet (31%)	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.0	1.0	1.1
Above Normal (25%)	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.2
Below Normal (6%)	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Dry (13%)	1.2	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Critical (25%)	1.2	1.2	1.1	1.1	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.1

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-28-1-12. Mokelumne River at Terminous, Monthly Averaged Daily Maximum Elevation

Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	3.3	3.7	3.9	4.0	4.3	3.9	3.6	3.5	3.6	3.7	3.7	3.7
20%	3.1	3.3	3.5	3.8	3.9	3.6	3.2	3.2	3.5	3.6	3.5	3.4
30%	3.1	3.2	3.4	3.5	3.5	3.3	3.0	3.2	3.4	3.6	3.5	3.4
40%	3.1	3.2	3.3	3.4	3.3	3.2	2.9	3.1	3.4	3.6	3.5	3.3
50%	3.1	3.1	3.3	3.3	3.2	3.1	2.9	3.1	3.3	3.6	3.5	3.3
60%	3.0	3.0	3.2	3.2	3.1	3.1	2.9	3.0	3.3	3.5	3.4	3.3
70%	3.0	3.0	3.1	3.2	3.0	2.9	2.8	3.0	3.2	3.5	3.3	3.2
80%	3.0	3.0	3.1	3.1	3.0	2.8	2.8	3.0	3.2	3.5	3.3	3.1
90%	2.9	2.9	2.9	3.0	2.9	2.7	2.7	2.9	3.1	3.4	3.2	3.1
Long Term												
Full Simulation Period[a]	3.1	3.2	3.4	3.4	3.4	3.2	3.0	3.2	3.4	3.6	3.5	3.3
Water Year Types[b]												
Wet (31%)	3.2	3.6	3.9	3.9	4.0	3.9	3.4	3.5	3.7	3.8	3.7	3.7
Above Normal (25%)	2.9	2.9	3.2	4.0	4.1	3.5	3.1	3.2	3.2	3.4	3.4	3.1
Below Normal (6%)	3.0	3.0	3.0	3.5	3.3	3.2	2.9	3.0	3.1	3.2	3.2	3.1
Dry (13%)	3.0	3.0	3.2	3.1	3.0	3.0	2.9	3.1	3.4	3.6	3.5	3.3
Critical (25%)	3.1	3.1	3.2	3.1	3.0	2.7	2.8	3.0	3.2	3.5	3.4	3.3

Alternative 8 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	4.4	4.8	5.0	5.0	5.4	5.0	4.7	4.6	4.6	4.8	4.7	4.8
20%	4.3	4.4	4.7	4.9	5.1	4.7	4.3	4.3	4.5	4.7	4.6	4.5
30%	4.3	4.4	4.5	4.6	4.6	4.4	4.2	4.3	4.5	4.7	4.6	4.5
40%	4.2	4.3	4.5	4.5	4.4	4.3	4.1	4.3	4.4	4.6	4.6	4.5
50%	4.2	4.3	4.4	4.5	4.4	4.3	4.0	4.2	4.4	4.6	4.5	4.4
60%	4.2	4.2	4.3	4.4	4.2	4.2	4.0	4.2	4.4	4.6	4.5	4.4
70%	4.1	4.2	4.3	4.3	4.2	4.1	4.0	4.1	4.3	4.5	4.4	4.4
80%	4.1	4.2	4.3	4.3	4.1	4.0	3.9	4.1	4.3	4.5	4.4	4.3
90%	4.1	4.0	4.1	4.2	4.1	3.9	3.8	4.0	4.2	4.4	4.4	4.2
Long Term												
Full Simulation Period[a]	4.2	4.3	4.5	4.6	4.5	4.4	4.1	4.3	4.4	4.6	4.5	4.5
Water Year Types[b]												
Wet (31%)	4.4	4.7	5.0	4.9	5.1	5.0	4.5	4.5	4.7	4.8	4.7	4.8
Above Normal (25%)	4.1	4.1	4.4	5.0	5.2	4.6	4.2	4.3	4.3	4.5	4.4	4.3
Below Normal (6%)	4.1	4.2	4.1	4.6	4.4	4.3	4.0	4.1	4.2	4.3	4.3	4.2
Dry (13%)	4.2	4.2	4.4	4.3	4.2	4.2	4.0	4.2	4.4	4.6	4.5	4.4
Critical (25%)	4.2	4.3	4.4	4.3	4.2	3.9	3.9	4.1	4.3	4.6	4.5	4.4

Alternative 8 (LLT) minus Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.1	1.1	1.2
20%	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.1	1.2
30%	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
40%	1.2	1.1	1.2	1.1	1.1	1.1	1.2	1.1	1.1	1.1	1.1	1.1
50%	1.2	1.2	1.2	1.1	1.2	1.1	1.2	1.1	1.1	1.1	1.1	1.1
60%	1.1	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
70%	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.1
80%	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.1
90%	1.2	1.2	1.2	1.1	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.2
Long Term												
Full Simulation Period[a]	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.1	1.1
Water Year Types[b]												
Wet (31%)	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.0	1.0	1.1
Above Normal (25%)	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.2
Below Normal (6%)	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Dry (13%)	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.1
Critical (25%)	1.2	1.2	1.1	1.1	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.1

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-28-1-13. Mokelumne River at Terminous, Monthly Averaged Daily Maximum Elevation

Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	3.3	3.7	3.9	4.0	4.3	3.9	3.6	3.5	3.6	3.7	3.7	3.7
20%	3.1	3.3	3.5	3.8	3.9	3.6	3.2	3.2	3.5	3.6	3.5	3.4
30%	3.1	3.2	3.4	3.5	3.5	3.3	3.0	3.2	3.4	3.6	3.5	3.4
40%	3.1	3.2	3.3	3.4	3.3	3.2	2.9	3.1	3.4	3.6	3.5	3.3
50%	3.1	3.1	3.3	3.3	3.2	3.1	2.9	3.1	3.3	3.6	3.5	3.3
60%	3.0	3.0	3.2	3.2	3.1	3.1	2.9	3.0	3.3	3.5	3.4	3.3
70%	3.0	3.0	3.1	3.2	3.0	2.9	2.8	3.0	3.2	3.5	3.3	3.2
80%	3.0	3.0	3.1	3.1	3.0	2.8	2.8	3.0	3.2	3.5	3.3	3.1
90%	2.9	2.9	2.9	3.0	2.9	2.7	2.7	2.9	3.1	3.4	3.2	3.1
Long Term												
Full Simulation Period[a]	3.1	3.2	3.4	3.4	3.4	3.2	3.0	3.2	3.4	3.6	3.5	3.3
Water Year Types[b]												
Wet (31%)	3.2	3.6	3.9	3.9	4.0	3.9	3.4	3.5	3.7	3.8	3.7	3.7
Above Normal (25%)	2.9	2.9	3.2	4.0	4.1	3.5	3.1	3.2	3.2	3.4	3.4	3.1
Below Normal (6%)	3.0	3.0	3.0	3.5	3.3	3.2	2.9	3.0	3.1	3.2	3.2	3.1
Dry (13%)	3.0	3.0	3.2	3.1	3.0	3.0	2.9	3.1	3.4	3.6	3.5	3.3
Critical (25%)	3.1	3.1	3.2	3.1	3.0	2.7	2.8	3.0	3.2	3.5	3.4	3.3

Alternative 9 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	4.4	4.7	4.9	5.0	5.3	4.9	4.6	4.6	4.6	4.8	4.7	4.8
20%	4.3	4.4	4.6	4.8	5.0	4.7	4.3	4.3	4.6	4.7	4.6	4.5
30%	4.2	4.3	4.5	4.6	4.5	4.4	4.2	4.2	4.5	4.7	4.6	4.5
40%	4.2	4.3	4.4	4.5	4.4	4.3	4.1	4.2	4.4	4.6	4.6	4.4
50%	4.2	4.2	4.4	4.5	4.3	4.3	4.0	4.2	4.4	4.6	4.5	4.4
60%	4.1	4.2	4.3	4.4	4.2	4.2	4.0	4.2	4.3	4.6	4.5	4.4
70%	4.1	4.1	4.3	4.3	4.2	4.1	4.0	4.2	4.3	4.5	4.4	4.3
80%	4.1	4.1	4.2	4.2	4.1	4.0	4.0	4.1	4.3	4.5	4.4	4.2
90%	4.1	4.0	4.1	4.1	4.0	3.9	3.8	4.0	4.2	4.4	4.4	4.2
Long Term												
Full Simulation Period[a]	4.2	4.3	4.4	4.5	4.5	4.3	4.1	4.3	4.4	4.6	4.5	4.4
Water Year Types[b]												
Wet (31%)	4.3	4.6	4.9	4.9	5.1	5.0	4.5	4.5	4.7	4.8	4.7	4.8
Above Normal (25%)	4.1	4.1	4.3	5.0	5.1	4.6	4.2	4.2	4.2	4.5	4.4	4.3
Below Normal (6%)	4.1	4.2	4.1	4.6	4.4	4.3	4.0	4.1	4.2	4.3	4.3	4.2
Dry (13%)	4.2	4.2	4.3	4.3	4.2	4.2	4.0	4.3	4.5	4.6	4.5	4.3
Critical (25%)	4.2	4.2	4.3	4.2	4.1	3.9	4.0	4.1	4.3	4.6	4.5	4.4

Alternative 9 (LLT) minus Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.0	1.0	1.1	1.1
20%	1.2	1.1	1.1	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
30%	1.1	1.1	1.1	1.1	1.0	1.1	1.2	1.1	1.1	1.1	1.1	1.1
40%	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.1	1.1	1.1	1.1	1.1
50%	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.1	1.1	1.0	1.0	1.1
60%	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.1	1.1	1.1
70%	1.1	1.1	1.1	1.1	1.1	1.2	1.1	1.1	1.1	1.1	1.1	1.1
80%	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.1
90%	1.2	1.2	1.1	1.1	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.1
Long Term												
Full Simulation Period[a]	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.1	1.1
Water Year Types[b]												
Wet (31%)	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1
Above Normal (25%)	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.1	1.1	1.1
Below Normal (6%)	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.1	1.1	1.1	1.1
Dry (13%)	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.1
Critical (25%)	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.1	1.1	1.1	1.1

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-28-1-14. Mokelumne River at Terminous, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.8	5.2	5.4	5.5	5.8	5.4	5.1	5.0	5.1	5.3	5.2	5.2
20%	4.7	4.8	5.1	5.4	5.5	5.2	4.7	4.7	5.0	5.2	5.1	5.0
30%	4.6	4.8	4.9	5.1	5.0	4.8	4.6	4.7	5.0	5.2	5.1	4.9
40%	4.6	4.7	4.8	4.9	4.8	4.7	4.5	4.7	4.9	5.1	5.0	4.9
50%	4.6	4.6	4.8	4.9	4.7	4.6	4.4	4.6	4.9	5.1	5.0	4.9
60%	4.6	4.6	4.7	4.8	4.6	4.6	4.4	4.6	4.8	5.1	4.9	4.9
70%	4.5	4.6	4.7	4.7	4.6	4.4	4.4	4.6	4.8	5.0	4.9	4.8
80%	4.5	4.5	4.6	4.7	4.5	4.3	4.3	4.5	4.7	5.0	4.8	4.7
90%	4.5	4.4	4.5	4.5	4.4	4.2	4.2	4.4	4.7	4.9	4.8	4.6
Long Term												
Full Simulation Period[a]	4.6	4.7	4.9	5.0	4.9	4.7	4.5	4.7	4.9	5.1	5.0	4.9
Water Year Types[b]												
Wet (31%)	4.8	5.1	5.4	5.4	5.6	5.4	4.9	5.0	5.1	5.3	5.2	5.2
Above Normal (25%)	4.5	4.5	4.8	5.5	5.6	5.0	4.6	4.7	4.7	5.0	4.9	4.7
Below Normal (6%)	4.5	4.6	4.5	5.0	4.8	4.7	4.4	4.5	4.7	4.8	4.8	4.7
Dry (13%)	4.6	4.6	4.7	4.7	4.5	4.5	4.4	4.6	4.9	5.1	5.0	4.8
Critical (25%)	4.6	4.7	4.8	4.7	4.5	4.3	4.3	4.5	4.8	5.1	4.9	4.8

Alternative 1A,1B,1C (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.4	4.7	5.0	5.0	5.4	5.0	4.7	4.5	4.6	4.8	4.7	4.7
20%	4.3	4.4	4.6	4.9	5.0	4.7	4.3	4.3	4.5	4.7	4.6	4.5
30%	4.3	4.3	4.5	4.6	4.6	4.4	4.2	4.3	4.5	4.7	4.6	4.5
40%	4.2	4.3	4.4	4.5	4.4	4.3	4.1	4.2	4.4	4.6	4.6	4.5
50%	4.2	4.2	4.4	4.4	4.3	4.2	4.0	4.2	4.4	4.6	4.5	4.4
60%	4.2	4.2	4.3	4.3	4.2	4.2	4.0	4.1	4.4	4.6	4.5	4.4
70%	4.2	4.2	4.3	4.3	4.2	4.1	4.0	4.1	4.3	4.5	4.4	4.4
80%	4.1	4.1	4.2	4.3	4.1	4.0	3.9	4.1	4.3	4.5	4.4	4.3
90%	4.1	4.0	4.1	4.1	4.0	3.8	3.8	4.0	4.2	4.4	4.3	4.2
Long Term												
Full Simulation Period[a]	4.2	4.3	4.5	4.5	4.5	4.3	4.1	4.2	4.4	4.6	4.5	4.5
Water Year Types[b]												
Wet (31%)	4.4	4.7	4.9	4.9	5.1	5.0	4.5	4.5	4.7	4.8	4.7	4.7
Above Normal (25%)	4.1	4.1	4.3	5.0	5.2	4.6	4.2	4.2	4.3	4.5	4.5	4.3
Below Normal (6%)	4.2	4.2	4.1	4.6	4.4	4.3	4.0	4.1	4.2	4.3	4.3	4.2
Dry (13%)	4.2	4.2	4.3	4.3	4.1	4.1	4.0	4.2	4.5	4.6	4.5	4.4
Critical (25%)	4.2	4.2	4.3	4.3	4.1	3.9	3.9	4.1	4.3	4.6	4.5	4.4

Alternative 1A,1B,1C (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-0.4	-0.4	-0.4	-0.5	-0.4	-0.4	-0.4	-0.5	-0.5	-0.5	-0.5	-0.5
20%	-0.4	-0.4	-0.4	-0.5	-0.5	-0.4	-0.4	-0.5	-0.5	-0.5	-0.5	-0.5
30%	-0.4	-0.4	-0.4	-0.5	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.4	-0.4
40%	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.5	-0.5	-0.4
50%	-0.4	-0.4	-0.4	-0.5	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.5	-0.4
60%	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.5	-0.4
70%	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.4	-0.4
80%	-0.4	-0.4	-0.4	-0.5	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.4	-0.4
90%	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.4	-0.4
Long Term												
Full Simulation Period[a]	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.5	-0.4
Water Year Types[b]												
Wet (31%)	-0.4	-0.4	-0.4	-0.5	-0.4	-0.4	-0.4	-0.5	-0.5	-0.5	-0.5	-0.5
Above Normal (25%)	-0.4	-0.4	-0.4	-0.5	-0.5	-0.4	-0.4	-0.5	-0.4	-0.5	-0.5	-0.5
Below Normal (6%)	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.5	-0.4
Dry (13%)	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.5	-0.4
Critical (25%)	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.4	-0.4

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-28-1-15. Mokelumne River at Terminous, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.8	5.2	5.4	5.5	5.8	5.4	5.1	5.0	5.1	5.3	5.2	5.2
20%	4.7	4.8	5.1	5.4	5.5	5.2	4.7	4.7	5.0	5.2	5.1	5.0
30%	4.6	4.8	4.9	5.1	5.0	4.8	4.6	4.7	5.0	5.2	5.1	4.9
40%	4.6	4.7	4.8	4.9	4.8	4.7	4.5	4.7	4.9	5.1	5.0	4.9
50%	4.6	4.6	4.8	4.9	4.7	4.6	4.4	4.6	4.9	5.1	5.0	4.9
60%	4.6	4.6	4.7	4.8	4.6	4.6	4.4	4.6	4.8	5.1	4.9	4.9
70%	4.5	4.6	4.7	4.7	4.6	4.4	4.4	4.6	4.8	5.0	4.9	4.8
80%	4.5	4.5	4.6	4.7	4.5	4.3	4.3	4.5	4.7	5.0	4.8	4.7
90%	4.5	4.4	4.5	4.5	4.4	4.2	4.2	4.4	4.7	4.9	4.8	4.6
Long Term												
Full Simulation Period[a]	4.6	4.7	4.9	5.0	4.9	4.7	4.5	4.7	4.9	5.1	5.0	4.9
Water Year Types[b]												
Wet (31%)	4.8	5.1	5.4	5.4	5.6	5.4	4.9	5.0	5.1	5.3	5.2	5.2
Above Normal (25%)	4.5	4.5	4.8	5.5	5.6	5.0	4.6	4.7	4.7	5.0	4.9	4.7
Below Normal (6%)	4.5	4.6	4.5	5.0	4.8	4.7	4.4	4.5	4.7	4.8	4.8	4.7
Dry (13%)	4.6	4.6	4.7	4.7	4.5	4.5	4.4	4.6	4.9	5.1	5.0	4.8
Critical (25%)	4.6	4.7	4.8	4.7	4.5	4.3	4.3	4.5	4.8	5.1	4.9	4.8

Alternative 2A,2B,2C (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.4	4.7	5.0	5.0	5.4	5.0	4.7	4.6	4.6	4.8	4.7	4.8
20%	4.3	4.4	4.6	4.9	5.0	4.7	4.3	4.3	4.5	4.7	4.6	4.6
30%	4.3	4.4	4.5	4.6	4.6	4.4	4.2	4.3	4.5	4.7	4.6	4.5
40%	4.3	4.3	4.4	4.5	4.4	4.2	4.1	4.2	4.4	4.6	4.6	4.5
50%	4.2	4.3	4.4	4.4	4.3	4.2	4.0	4.2	4.4	4.6	4.6	4.5
60%	4.2	4.2	4.3	4.4	4.2	4.2	4.0	4.2	4.4	4.6	4.5	4.4
70%	4.2	4.2	4.3	4.3	4.2	4.1	4.0	4.1	4.3	4.6	4.4	4.4
80%	4.2	4.1	4.2	4.3	4.1	4.0	3.9	4.1	4.3	4.5	4.4	4.3
90%	4.1	4.0	4.1	4.2	4.0	3.8	3.8	4.0	4.2	4.4	4.4	4.2
Long Term												
Full Simulation Period[a]	4.3	4.3	4.5	4.6	4.5	4.3	4.1	4.3	4.4	4.6	4.6	4.5
Water Year Types[b]												
Wet (31%)	4.4	4.7	5.0	4.9	5.1	5.0	4.5	4.5	4.7	4.8	4.7	4.8
Above Normal (25%)	4.1	4.1	4.4	5.0	5.2	4.6	4.2	4.3	4.3	4.5	4.5	4.3
Below Normal (6%)	4.2	4.2	4.1	4.6	4.3	4.2	4.0	4.1	4.3	4.3	4.3	4.2
Dry (13%)	4.2	4.2	4.3	4.3	4.2	4.1	4.0	4.2	4.5	4.6	4.6	4.4
Critical (25%)	4.2	4.3	4.3	4.3	4.1	3.9	3.9	4.1	4.3	4.6	4.5	4.4

Alternative 2A,2B,2C (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-0.4	-0.4	-0.5	-0.5	-0.4	-0.4	-0.4	-0.5	-0.4	-0.5	-0.5	-0.4
20%	-0.4	-0.4	-0.4	-0.5	-0.5	-0.4	-0.4	-0.4	-0.5	-0.5	-0.5	-0.4
30%	-0.4	-0.4	-0.4	-0.5	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.4	-0.4
40%	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.4
50%	-0.4	-0.4	-0.4	-0.5	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.4	-0.4
60%	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.4	-0.4
70%	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.4	-0.4
80%	-0.3	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.4	-0.4
90%	-0.4	-0.4	-0.4	-0.4	-0.4	-0.3	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4
Long Term												
Full Simulation Period[a]	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.4	-0.4
Water Year Types[b]												
Wet (31%)	-0.4	-0.4	-0.4	-0.5	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.4
Above Normal (25%)	-0.4	-0.4	-0.4	-0.5	-0.5	-0.4	-0.4	-0.4	-0.4	-0.5	-0.4	-0.4
Below Normal (6%)	-0.4	-0.4	-0.4	-0.4	-0.5	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.4
Dry (13%)	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.4	-0.4
Critical (25%)	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.4	-0.4

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-28-1-16. Mokelumne River at Terminous, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.8	5.2	5.4	5.5	5.8	5.4	5.1	5.0	5.1	5.3	5.2	5.2
20%	4.7	4.8	5.1	5.4	5.5	5.2	4.7	4.7	5.0	5.2	5.1	5.0
30%	4.6	4.8	4.9	5.1	5.0	4.8	4.6	4.7	5.0	5.2	5.1	4.9
40%	4.6	4.7	4.8	4.9	4.8	4.7	4.5	4.7	4.9	5.1	5.0	4.9
50%	4.6	4.6	4.8	4.9	4.7	4.6	4.4	4.6	4.9	5.1	5.0	4.9
60%	4.6	4.6	4.7	4.8	4.6	4.6	4.4	4.6	4.8	5.1	4.9	4.9
70%	4.5	4.6	4.7	4.7	4.6	4.4	4.4	4.6	4.8	5.0	4.9	4.8
80%	4.5	4.5	4.6	4.7	4.5	4.3	4.3	4.5	4.7	5.0	4.8	4.7
90%	4.5	4.4	4.5	4.5	4.4	4.2	4.2	4.4	4.7	4.9	4.8	4.6
Long Term												
Full Simulation Period[a]	4.6	4.7	4.9	5.0	4.9	4.7	4.5	4.7	4.9	5.1	5.0	4.9
Water Year Types[b]												
Wet (31%)	4.8	5.1	5.4	5.4	5.6	5.4	4.9	5.0	5.1	5.3	5.2	5.2
Above Normal (25%)	4.5	4.5	4.8	5.5	5.6	5.0	4.6	4.7	4.7	5.0	4.9	4.7
Below Normal (6%)	4.5	4.6	4.5	5.0	4.8	4.7	4.4	4.5	4.7	4.8	4.8	4.7
Dry (13%)	4.6	4.6	4.7	4.7	4.5	4.5	4.4	4.6	4.9	5.1	5.0	4.8
Critical (25%)	4.6	4.7	4.8	4.7	4.5	4.3	4.3	4.5	4.8	5.1	4.9	4.8

Alternative 3 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.4	4.7	5.0	5.0	5.4	5.0	4.7	4.5	4.6	4.8	4.7	4.7
20%	4.3	4.4	4.6	4.9	5.0	4.7	4.3	4.3	4.5	4.7	4.6	4.5
30%	4.3	4.3	4.5	4.6	4.6	4.4	4.2	4.3	4.5	4.7	4.6	4.5
40%	4.2	4.3	4.4	4.5	4.4	4.3	4.1	4.2	4.4	4.6	4.6	4.5
50%	4.2	4.2	4.4	4.4	4.3	4.2	4.0	4.2	4.4	4.6	4.5	4.4
60%	4.2	4.2	4.3	4.3	4.2	4.2	4.0	4.1	4.4	4.6	4.5	4.4
70%	4.2	4.1	4.3	4.3	4.2	4.1	4.0	4.1	4.3	4.5	4.4	4.3
80%	4.1	4.1	4.2	4.3	4.1	4.0	3.9	4.1	4.3	4.5	4.4	4.3
90%	4.1	4.0	4.1	4.2	4.0	3.8	3.8	4.0	4.2	4.4	4.3	4.2
Long Term												
Full Simulation Period[a]	4.2	4.3	4.5	4.5	4.5	4.3	4.1	4.2	4.4	4.6	4.5	4.4
Water Year Types[b]												
Wet (31%)	4.4	4.7	4.9	4.9	5.1	5.0	4.5	4.5	4.7	4.8	4.7	4.7
Above Normal (25%)	4.1	4.1	4.3	5.0	5.2	4.6	4.2	4.2	4.3	4.5	4.5	4.2
Below Normal (6%)	4.2	4.2	4.1	4.6	4.4	4.3	4.0	4.1	4.2	4.3	4.3	4.2
Dry (13%)	4.2	4.2	4.3	4.3	4.1	4.1	4.0	4.2	4.5	4.6	4.5	4.4
Critical (25%)	4.2	4.2	4.3	4.3	4.1	3.9	3.9	4.1	4.3	4.6	4.5	4.4

Alternative 3 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-0.4	-0.4	-0.4	-0.5	-0.4	-0.4	-0.4	-0.5	-0.5	-0.5	-0.5	-0.5
20%	-0.4	-0.4	-0.4	-0.5	-0.5	-0.4	-0.4	-0.5	-0.5	-0.5	-0.5	-0.5
30%	-0.4	-0.4	-0.4	-0.5	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.4	-0.4
40%	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.5	-0.5	-0.4
50%	-0.4	-0.4	-0.4	-0.5	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.4
60%	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.5	-0.4
70%	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.4	-0.4
80%	-0.4	-0.4	-0.4	-0.5	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.4	-0.4
90%	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.4	-0.4
Long Term												
Full Simulation Period[a]	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.5	-0.4
Water Year Types[b]												
Wet (31%)	-0.4	-0.4	-0.4	-0.5	-0.4	-0.4	-0.4	-0.5	-0.5	-0.5	-0.5	-0.5
Above Normal (25%)	-0.4	-0.4	-0.4	-0.5	-0.5	-0.4	-0.4	-0.5	-0.5	-0.5	-0.5	-0.5
Below Normal (6%)	-0.4	-0.5	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.5	-0.4
Dry (13%)	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.5	-0.4
Critical (25%)	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.4	-0.4

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-28-1-17. Mokelumne River at Terminous, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.8	5.2	5.4	5.5	5.8	5.4	5.1	5.0	5.1	5.3	5.2	5.2
20%	4.7	4.8	5.1	5.4	5.5	5.2	4.7	4.7	5.0	5.2	5.1	5.0
30%	4.6	4.8	4.9	5.1	5.0	4.8	4.6	4.7	5.0	5.2	5.1	4.9
40%	4.6	4.7	4.8	4.9	4.8	4.7	4.5	4.7	4.9	5.1	5.0	4.9
50%	4.6	4.6	4.8	4.9	4.7	4.6	4.4	4.6	4.9	5.1	5.0	4.9
60%	4.6	4.6	4.7	4.8	4.6	4.6	4.4	4.6	4.8	5.1	4.9	4.9
70%	4.5	4.6	4.7	4.7	4.6	4.4	4.4	4.6	4.8	5.0	4.9	4.8
80%	4.5	4.5	4.6	4.7	4.5	4.3	4.3	4.5	4.7	5.0	4.8	4.7
90%	4.5	4.4	4.5	4.5	4.4	4.2	4.2	4.4	4.7	4.9	4.8	4.6
Long Term												
Full Simulation Period[a]	4.6	4.7	4.9	5.0	4.9	4.7	4.5	4.7	4.9	5.1	5.0	4.9
Water Year Types[b]												
Wet (31%)	4.8	5.1	5.4	5.4	5.6	5.4	4.9	5.0	5.1	5.3	5.2	5.2
Above Normal (25%)	4.5	4.5	4.8	5.5	5.6	5.0	4.6	4.7	4.7	5.0	4.9	4.7
Below Normal (6%)	4.5	4.6	4.5	5.0	4.8	4.7	4.4	4.5	4.7	4.8	4.8	4.7
Dry (13%)	4.6	4.6	4.7	4.7	4.5	4.5	4.4	4.6	4.9	5.1	5.0	4.8
Critical (25%)	4.6	4.7	4.8	4.7	4.5	4.3	4.3	4.5	4.8	5.1	4.9	4.8

Alternative 4 H1 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.4	4.7	5.0	5.0	5.4	5.0	4.7	4.6	4.6	4.8	4.7	4.7
20%	4.3	4.4	4.6	4.9	5.0	4.8	4.3	4.3	4.6	4.7	4.6	4.5
30%	4.3	4.4	4.5	4.6	4.6	4.4	4.2	4.3	4.5	4.7	4.6	4.5
40%	4.3	4.3	4.4	4.5	4.4	4.3	4.1	4.2	4.5	4.6	4.6	4.5
50%	4.2	4.2	4.4	4.4	4.3	4.2	4.0	4.2	4.4	4.6	4.6	4.5
60%	4.2	4.2	4.3	4.4	4.2	4.2	4.0	4.2	4.4	4.6	4.5	4.4
70%	4.2	4.2	4.3	4.3	4.2	4.1	4.0	4.1	4.3	4.6	4.4	4.4
80%	4.1	4.1	4.2	4.3	4.1	4.0	3.9	4.1	4.3	4.5	4.4	4.3
90%	4.1	4.0	4.1	4.2	4.0	3.8	3.8	4.0	4.3	4.4	4.4	4.2
Long Term												
Full Simulation Period[a]	4.2	4.3	4.5	4.6	4.5	4.3	4.1	4.3	4.4	4.6	4.6	4.5
Water Year Types[b]												
Wet (31%)	4.4	4.7	5.0	4.9	5.1	5.0	4.5	4.5	4.7	4.8	4.7	4.7
Above Normal (25%)	4.1	4.1	4.4	5.0	5.2	4.6	4.2	4.3	4.3	4.5	4.5	4.3
Below Normal (6%)	4.2	4.2	4.1	4.6	4.4	4.3	4.0	4.1	4.2	4.3	4.3	4.3
Dry (13%)	4.2	4.2	4.3	4.3	4.2	4.1	4.0	4.2	4.5	4.6	4.6	4.4
Critical (25%)	4.2	4.2	4.3	4.3	4.1	3.9	3.9	4.1	4.3	4.6	4.5	4.4

Alternative 4 H1 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-0.4	-0.4	-0.4	-0.5	-0.4	-0.4	-0.4	-0.5	-0.5	-0.5	-0.5	-0.5
20%	-0.4	-0.4	-0.4	-0.5	-0.5	-0.4	-0.4	-0.4	-0.5	-0.5	-0.5	-0.5
30%	-0.4	-0.4	-0.4	-0.5	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.4	-0.4
40%	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.4	-0.4
50%	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.4	-0.4
60%	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.4	-0.4
70%	-0.3	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.4	-0.4
80%	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.4	-0.4
90%	-0.4	-0.4	-0.4	-0.4	-0.4	-0.3	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4
Long Term												
Full Simulation Period[a]	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.4	-0.4
Water Year Types[b]												
Wet (31%)	-0.4	-0.4	-0.4	-0.5	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.5	-0.5
Above Normal (25%)	-0.4	-0.4	-0.4	-0.5	-0.5	-0.4	-0.4	-0.4	-0.4	-0.5	-0.4	-0.5
Below Normal (6%)	-0.3	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.4
Dry (13%)	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.4	-0.4
Critical (25%)	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.4	-0.4

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-28-1-18. Mokelumne River at Terminous, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.8	5.2	5.4	5.5	5.8	5.4	5.1	5.0	5.1	5.3	5.2	5.2
20%	4.7	4.8	5.1	5.4	5.5	5.2	4.7	4.7	5.0	5.2	5.1	5.0
30%	4.6	4.8	4.9	5.1	5.0	4.8	4.6	4.7	5.0	5.2	5.1	4.9
40%	4.6	4.7	4.8	4.9	4.8	4.7	4.5	4.7	4.9	5.1	5.0	4.9
50%	4.6	4.6	4.8	4.9	4.7	4.6	4.4	4.6	4.9	5.1	5.0	4.9
60%	4.6	4.6	4.7	4.8	4.6	4.6	4.4	4.6	4.8	5.1	4.9	4.9
70%	4.5	4.6	4.7	4.7	4.6	4.4	4.4	4.6	4.8	5.0	4.9	4.8
80%	4.5	4.5	4.6	4.7	4.5	4.3	4.3	4.5	4.7	5.0	4.8	4.7
90%	4.5	4.4	4.5	4.5	4.4	4.2	4.2	4.4	4.7	4.9	4.8	4.6
Long Term												
Full Simulation Period[a]	4.6	4.7	4.9	5.0	4.9	4.7	4.5	4.7	4.9	5.1	5.0	4.9
Water Year Types[b]												
Wet (31%)	4.8	5.1	5.4	5.4	5.6	5.4	4.9	5.0	5.1	5.3	5.2	5.2
Above Normal (25%)	4.5	4.5	4.8	5.5	5.6	5.0	4.6	4.7	4.7	5.0	4.9	4.7
Below Normal (6%)	4.5	4.6	4.5	5.0	4.8	4.7	4.4	4.5	4.7	4.8	4.8	4.7
Dry (13%)	4.6	4.6	4.7	4.7	4.5	4.5	4.4	4.6	4.9	5.1	5.0	4.8
Critical (25%)	4.6	4.7	4.8	4.7	4.5	4.3	4.3	4.5	4.8	5.1	4.9	4.8

Alternative 4 H2 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.4	4.8	5.0	5.0	5.4	5.0	4.7	4.6	4.6	4.8	4.7	4.7
20%	4.3	4.4	4.6	4.9	5.1	4.8	4.3	4.3	4.6	4.7	4.6	4.5
30%	4.3	4.4	4.5	4.6	4.6	4.4	4.2	4.3	4.5	4.7	4.6	4.5
40%	4.3	4.3	4.4	4.5	4.4	4.3	4.1	4.3	4.5	4.7	4.6	4.5
50%	4.2	4.3	4.4	4.4	4.3	4.2	4.0	4.2	4.4	4.6	4.6	4.5
60%	4.2	4.2	4.3	4.4	4.2	4.2	4.0	4.2	4.4	4.6	4.5	4.4
70%	4.2	4.2	4.3	4.3	4.2	4.1	4.0	4.1	4.3	4.6	4.4	4.4
80%	4.1	4.1	4.2	4.3	4.1	4.0	4.0	4.1	4.3	4.5	4.4	4.3
90%	4.1	4.0	4.1	4.2	4.0	3.8	3.8	4.0	4.2	4.4	4.4	4.2
Long Term												
Full Simulation Period[a]	4.2	4.3	4.5	4.6	4.5	4.4	4.1	4.3	4.4	4.6	4.6	4.5
Water Year Types[b]												
Wet (31%)	4.4	4.7	5.0	4.9	5.1	5.0	4.5	4.5	4.7	4.8	4.7	4.8
Above Normal (25%)	4.1	4.1	4.4	5.0	5.2	4.6	4.3	4.3	4.3	4.5	4.5	4.3
Below Normal (6%)	4.1	4.2	4.1	4.6	4.4	4.3	4.0	4.1	4.2	4.3	4.3	4.3
Dry (13%)	4.2	4.2	4.3	4.3	4.2	4.1	4.0	4.2	4.5	4.6	4.6	4.4
Critical (25%)	4.2	4.2	4.3	4.3	4.1	3.9	3.9	4.1	4.3	4.6	4.5	4.4

Alternative 4 H2 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-0.4	-0.4	-0.4	-0.5	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.5	-0.5
20%	-0.4	-0.4	-0.4	-0.5	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.5	-0.5
30%	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.4	-0.4
40%	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.4	-0.4
50%	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.4	-0.4
60%	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.4	-0.4
70%	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.4	-0.4
80%	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.3	-0.4	-0.4	-0.5	-0.4	-0.4
90%	-0.4	-0.4	-0.4	-0.4	-0.4	-0.3	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4
Long Term												
Full Simulation Period[a]	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.4	-0.4
Water Year Types[b]												
Wet (31%)	-0.4	-0.4	-0.4	-0.5	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.5	-0.5
Above Normal (25%)	-0.4	-0.4	-0.4	-0.5	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.4	-0.5
Below Normal (6%)	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.4
Dry (13%)	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.4	-0.4
Critical (25%)	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.4	-0.4

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-28-1-19. Mokelumne River at Terminous, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.8	5.2	5.4	5.5	5.8	5.4	5.1	5.0	5.1	5.3	5.2	5.2
20%	4.7	4.8	5.1	5.4	5.5	5.2	4.7	4.7	5.0	5.2	5.1	5.0
30%	4.6	4.8	4.9	5.1	5.0	4.8	4.6	4.7	5.0	5.2	5.1	4.9
40%	4.6	4.7	4.8	4.9	4.8	4.7	4.5	4.7	4.9	5.1	5.0	4.9
50%	4.6	4.6	4.8	4.9	4.7	4.6	4.4	4.6	4.9	5.1	5.0	4.9
60%	4.6	4.6	4.7	4.8	4.6	4.6	4.4	4.6	4.8	5.1	4.9	4.9
70%	4.5	4.6	4.7	4.7	4.6	4.4	4.4	4.6	4.8	5.0	4.9	4.8
80%	4.5	4.5	4.6	4.7	4.5	4.3	4.3	4.5	4.7	5.0	4.8	4.7
90%	4.5	4.4	4.5	4.5	4.4	4.2	4.2	4.4	4.7	4.9	4.8	4.6
Long Term												
Full Simulation Period[a]	4.6	4.7	4.9	5.0	4.9	4.7	4.5	4.7	4.9	5.1	5.0	4.9
Water Year Types[b]												
Wet (31%)	4.8	5.1	5.4	5.4	5.6	5.4	4.9	5.0	5.1	5.3	5.2	5.2
Above Normal (25%)	4.5	4.5	4.8	5.5	5.6	5.0	4.6	4.7	4.7	5.0	4.9	4.7
Below Normal (6%)	4.5	4.6	4.5	5.0	4.8	4.7	4.4	4.5	4.7	4.8	4.8	4.7
Dry (13%)	4.6	4.6	4.7	4.7	4.5	4.5	4.4	4.6	4.9	5.1	5.0	4.8
Critical (25%)	4.6	4.7	4.8	4.7	4.5	4.3	4.3	4.5	4.8	5.1	4.9	4.8

Alternative 4 H3 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.4	4.7	5.0	5.0	5.4	5.0	4.7	4.6	4.6	4.8	4.7	4.8
20%	4.3	4.4	4.6	4.9	5.0	4.8	4.3	4.3	4.6	4.7	4.6	4.6
30%	4.3	4.4	4.5	4.6	4.6	4.4	4.2	4.3	4.5	4.7	4.6	4.5
40%	4.3	4.3	4.4	4.5	4.4	4.3	4.1	4.2	4.4	4.6	4.6	4.5
50%	4.2	4.2	4.4	4.4	4.3	4.2	4.0	4.2	4.4	4.6	4.6	4.5
60%	4.2	4.2	4.3	4.4	4.2	4.2	4.0	4.2	4.4	4.6	4.5	4.4
70%	4.2	4.2	4.3	4.3	4.2	4.1	4.0	4.1	4.3	4.6	4.4	4.4
80%	4.1	4.1	4.2	4.3	4.1	4.0	3.9	4.1	4.3	4.5	4.4	4.3
90%	4.1	4.0	4.1	4.2	4.0	3.8	3.8	4.0	4.2	4.4	4.4	4.2
Long Term												
Full Simulation Period[a]	4.3	4.3	4.5	4.6	4.5	4.3	4.1	4.3	4.4	4.6	4.6	4.5
Water Year Types[b]												
Wet (31%)	4.4	4.7	5.0	4.9	5.1	5.0	4.5	4.5	4.7	4.8	4.7	4.8
Above Normal (25%)	4.1	4.1	4.4	5.0	5.2	4.6	4.2	4.3	4.3	4.5	4.5	4.3
Below Normal (6%)	4.1	4.2	4.1	4.6	4.4	4.3	4.0	4.1	4.3	4.3	4.3	4.2
Dry (13%)	4.2	4.2	4.3	4.3	4.2	4.1	4.0	4.2	4.5	4.6	4.6	4.4
Critical (25%)	4.2	4.3	4.3	4.3	4.1	3.9	3.9	4.1	4.3	4.6	4.5	4.4

Alternative 4 H3 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-0.4	-0.4	-0.5	-0.5	-0.4	-0.4	-0.4	-0.5	-0.5	-0.5	-0.5	-0.4
20%	-0.4	-0.4	-0.4	-0.5	-0.5	-0.4	-0.4	-0.4	-0.5	-0.5	-0.5	-0.4
30%	-0.4	-0.4	-0.4	-0.5	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.4	-0.4
40%	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.4
50%	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.4	-0.4
60%	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.4	-0.4
70%	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.4	-0.4
80%	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.4	-0.4
90%	-0.4	-0.4	-0.4	-0.4	-0.4	-0.3	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4
Long Term												
Full Simulation Period[a]	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.4	-0.4
Water Year Types[b]												
Wet (31%)	-0.4	-0.4	-0.4	-0.5	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.5	-0.4
Above Normal (25%)	-0.4	-0.4	-0.4	-0.5	-0.5	-0.4	-0.4	-0.4	-0.4	-0.5	-0.4	-0.4
Below Normal (6%)	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.4
Dry (13%)	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.4	-0.4
Critical (25%)	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.4	-0.4

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-28-1-20. Mokelumne River at Terminous, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.8	5.2	5.4	5.5	5.8	5.4	5.1	5.0	5.1	5.3	5.2	5.2
20%	4.7	4.8	5.1	5.4	5.5	5.2	4.7	4.7	5.0	5.2	5.1	5.0
30%	4.6	4.8	4.9	5.1	5.0	4.8	4.6	4.7	5.0	5.2	5.1	4.9
40%	4.6	4.7	4.8	4.9	4.8	4.7	4.5	4.7	4.9	5.1	5.0	4.9
50%	4.6	4.6	4.8	4.9	4.7	4.6	4.4	4.6	4.9	5.1	5.0	4.9
60%	4.6	4.6	4.7	4.8	4.6	4.6	4.4	4.6	4.8	5.1	4.9	4.9
70%	4.5	4.6	4.7	4.7	4.6	4.4	4.4	4.6	4.8	5.0	4.9	4.8
80%	4.5	4.5	4.6	4.7	4.5	4.3	4.3	4.5	4.7	5.0	4.8	4.7
90%	4.5	4.4	4.5	4.5	4.4	4.2	4.2	4.4	4.7	4.9	4.8	4.6
Long Term												
Full Simulation Period[a]	4.6	4.7	4.9	5.0	4.9	4.7	4.5	4.7	4.9	5.1	5.0	4.9
Water Year Types[b]												
Wet (31%)	4.8	5.1	5.4	5.4	5.6	5.4	4.9	5.0	5.1	5.3	5.2	5.2
Above Normal (25%)	4.5	4.5	4.8	5.5	5.6	5.0	4.6	4.7	4.7	5.0	4.9	4.7
Below Normal (6%)	4.5	4.6	4.5	5.0	4.8	4.7	4.4	4.5	4.7	4.8	4.8	4.7
Dry (13%)	4.6	4.6	4.7	4.7	4.5	4.5	4.4	4.6	4.9	5.1	5.0	4.8
Critical (25%)	4.6	4.7	4.8	4.7	4.5	4.3	4.3	4.5	4.8	5.1	4.9	4.8

Alternative 4 H4 (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.4	4.7	5.0	5.0	5.4	5.0	4.7	4.6	4.6	4.8	4.7	4.8
20%	4.3	4.4	4.6	4.9	5.1	4.8	4.3	4.3	4.5	4.7	4.6	4.6
30%	4.3	4.4	4.5	4.6	4.6	4.4	4.2	4.3	4.5	4.7	4.6	4.5
40%	4.3	4.3	4.4	4.5	4.4	4.3	4.1	4.3	4.5	4.7	4.6	4.5
50%	4.2	4.2	4.4	4.4	4.3	4.2	4.0	4.2	4.4	4.6	4.6	4.5
60%	4.2	4.2	4.3	4.4	4.2	4.2	4.0	4.2	4.4	4.6	4.5	4.4
70%	4.2	4.2	4.3	4.3	4.2	4.1	4.0	4.1	4.3	4.6	4.4	4.4
80%	4.1	4.1	4.2	4.3	4.1	4.0	4.0	4.1	4.3	4.5	4.4	4.3
90%	4.1	4.0	4.1	4.2	4.0	3.8	3.8	4.0	4.2	4.4	4.4	4.2
Long Term												
Full Simulation Period[a]	4.3	4.3	4.5	4.6	4.5	4.4	4.1	4.3	4.4	4.6	4.6	4.5
Water Year Types[b]												
Wet (31%)	4.4	4.7	4.9	4.9	5.1	5.0	4.5	4.5	4.7	4.8	4.7	4.8
Above Normal (25%)	4.1	4.1	4.4	5.0	5.2	4.6	4.3	4.3	4.3	4.5	4.5	4.3
Below Normal (6%)	4.1	4.2	4.1	4.6	4.4	4.3	4.0	4.1	4.3	4.3	4.3	4.3
Dry (13%)	4.2	4.2	4.3	4.3	4.2	4.1	4.0	4.2	4.5	4.6	4.6	4.4
Critical (25%)	4.2	4.3	4.3	4.3	4.1	3.9	3.9	4.1	4.3	4.6	4.5	4.4

Alternative 4 H4 (LLT) minus No Action Alternative (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-0.4	-0.4	-0.5	-0.5	-0.4	-0.4	-0.4	-0.5	-0.5	-0.5	-0.5	-0.4
20%	-0.4	-0.4	-0.4	-0.5	-0.5	-0.4	-0.4	-0.4	-0.5	-0.5	-0.5	-0.4
30%	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.4	-0.4
40%	-0.3	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.4
50%	-0.4	-0.4	-0.4	-0.5	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.4	-0.4
60%	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.4	-0.4
70%	-0.3	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.4	-0.4
80%	-0.3	-0.4	-0.4	-0.5	-0.4	-0.4	-0.3	-0.4	-0.4	-0.5	-0.4	-0.4
90%	-0.4	-0.4	-0.4	-0.4	-0.4	-0.3	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4
Long Term												
Full Simulation Period[a]	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.4	-0.4
Water Year Types[b]												
Wet (31%)	-0.4	-0.4	-0.5	-0.5	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.5	-0.4
Above Normal (25%)	-0.4	-0.4	-0.4	-0.5	-0.5	-0.4	-0.4	-0.4	-0.4	-0.5	-0.4	-0.4
Below Normal (6%)	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.4
Dry (13%)	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.4	-0.4
Critical (25%)	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.4	-0.4

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-28-1-21. Mokelumne River at Terminous, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.8	5.2	5.4	5.5	5.8	5.4	5.1	5.0	5.1	5.3	5.2	5.2
20%	4.7	4.8	5.1	5.4	5.5	5.2	4.7	4.7	5.0	5.2	5.1	5.0
30%	4.6	4.8	4.9	5.1	5.0	4.8	4.6	4.7	5.0	5.2	5.1	4.9
40%	4.6	4.7	4.8	4.9	4.8	4.7	4.5	4.7	4.9	5.1	5.0	4.9
50%	4.6	4.6	4.8	4.9	4.7	4.6	4.4	4.6	4.9	5.1	5.0	4.9
60%	4.6	4.6	4.7	4.8	4.6	4.6	4.4	4.6	4.8	5.1	4.9	4.9
70%	4.5	4.6	4.7	4.7	4.6	4.4	4.4	4.6	4.8	5.0	4.9	4.8
80%	4.5	4.5	4.6	4.7	4.5	4.3	4.3	4.5	4.7	5.0	4.8	4.7
90%	4.5	4.4	4.5	4.5	4.4	4.2	4.2	4.4	4.7	4.9	4.8	4.6
Long Term												
Full Simulation Period[a]	4.6	4.7	4.9	5.0	4.9	4.7	4.5	4.7	4.9	5.1	5.0	4.9
Water Year Types[b]												
Wet (31%)	4.8	5.1	5.4	5.4	5.6	5.4	4.9	5.0	5.1	5.3	5.2	5.2
Above Normal (25%)	4.5	4.5	4.8	5.5	5.6	5.0	4.6	4.7	4.7	5.0	4.9	4.7
Below Normal (6%)	4.5	4.6	4.5	5.0	4.8	4.7	4.4	4.5	4.7	4.8	4.8	4.7
Dry (13%)	4.6	4.6	4.7	4.7	4.5	4.5	4.4	4.6	4.9	5.1	5.0	4.8
Critical (25%)	4.6	4.7	4.8	4.7	4.5	4.3	4.3	4.5	4.8	5.1	4.9	4.8

Alternative 5 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.4	4.7	5.0	5.0	5.4	5.0	4.7	4.6	4.6	4.8	4.7	4.8
20%	4.3	4.4	4.6	4.9	5.0	4.7	4.3	4.3	4.5	4.7	4.7	4.6
30%	4.3	4.4	4.5	4.6	4.6	4.4	4.2	4.3	4.5	4.7	4.6	4.5
40%	4.3	4.3	4.4	4.5	4.4	4.3	4.1	4.2	4.5	4.7	4.6	4.5
50%	4.2	4.3	4.4	4.4	4.3	4.2	4.0	4.2	4.4	4.6	4.5	4.5
60%	4.2	4.2	4.3	4.3	4.2	4.2	4.0	4.2	4.4	4.6	4.5	4.4
70%	4.1	4.2	4.3	4.3	4.2	4.1	4.0	4.1	4.3	4.6	4.4	4.4
80%	4.1	4.1	4.2	4.3	4.1	4.0	3.9	4.1	4.3	4.5	4.4	4.3
90%	4.1	4.0	4.1	4.2	4.0	3.8	3.8	4.0	4.2	4.4	4.4	4.2
Long Term												
Full Simulation Period[a]	4.2	4.3	4.5	4.5	4.5	4.3	4.1	4.3	4.4	4.6	4.6	4.5
Water Year Types[b]												
Wet (31%)	4.4	4.7	4.9	4.9	5.1	5.0	4.5	4.5	4.7	4.8	4.7	4.8
Above Normal (25%)	4.1	4.1	4.4	5.0	5.2	4.6	4.2	4.3	4.3	4.5	4.5	4.3
Below Normal (6%)	4.1	4.2	4.1	4.6	4.4	4.3	4.0	4.1	4.2	4.3	4.3	4.2
Dry (13%)	4.2	4.2	4.3	4.3	4.1	4.1	4.0	4.2	4.5	4.6	4.6	4.4
Critical (25%)	4.2	4.3	4.3	4.3	4.1	3.9	3.9	4.1	4.3	4.6	4.5	4.4

Alternative 5 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-0.4	-0.4	-0.5	-0.5	-0.4	-0.4	-0.4	-0.5	-0.5	-0.5	-0.5	-0.4
20%	-0.4	-0.4	-0.4	-0.5	-0.5	-0.4	-0.4	-0.5	-0.5	-0.5	-0.4	-0.4
30%	-0.4	-0.4	-0.4	-0.5	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.4	-0.4
40%	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.4
50%	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.4	-0.4
60%	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.4	-0.4
70%	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.4	-0.4
80%	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.4	-0.4
90%	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4
Long Term												
Full Simulation Period[a]	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.4	-0.4
Water Year Types[b]												
Wet (31%)	-0.4	-0.4	-0.5	-0.5	-0.4	-0.4	-0.4	-0.5	-0.5	-0.5	-0.5	-0.4
Above Normal (25%)	-0.4	-0.4	-0.4	-0.5	-0.5	-0.4	-0.4	-0.4	-0.4	-0.5	-0.4	-0.4
Below Normal (6%)	-0.4	-0.4	-0.4	-0.5	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.4
Dry (13%)	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.4	-0.4
Critical (25%)	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.4	-0.4

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-28-1-22. Mokelumne River at Terminous, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.8	5.2	5.4	5.5	5.8	5.4	5.1	5.0	5.1	5.3	5.2	5.2
20%	4.7	4.8	5.1	5.4	5.5	5.2	4.7	4.7	5.0	5.2	5.1	5.0
30%	4.6	4.8	4.9	5.1	5.0	4.8	4.6	4.7	5.0	5.2	5.1	4.9
40%	4.6	4.7	4.8	4.9	4.8	4.7	4.5	4.7	4.9	5.1	5.0	4.9
50%	4.6	4.6	4.8	4.9	4.7	4.6	4.4	4.6	4.9	5.1	5.0	4.9
60%	4.6	4.6	4.7	4.8	4.6	4.6	4.4	4.6	4.8	5.1	4.9	4.9
70%	4.5	4.6	4.7	4.7	4.6	4.4	4.4	4.6	4.8	5.0	4.9	4.8
80%	4.5	4.5	4.6	4.7	4.5	4.3	4.3	4.5	4.7	5.0	4.8	4.7
90%	4.5	4.4	4.5	4.5	4.4	4.2	4.2	4.4	4.7	4.9	4.8	4.6
Long Term												
Full Simulation Period[a]	4.6	4.7	4.9	5.0	4.9	4.7	4.5	4.7	4.9	5.1	5.0	4.9
Water Year Types[b]												
Wet (31%)	4.8	5.1	5.4	5.4	5.6	5.4	4.9	5.0	5.1	5.3	5.2	5.2
Above Normal (25%)	4.5	4.5	4.8	5.5	5.6	5.0	4.6	4.7	4.7	5.0	4.9	4.7
Below Normal (6%)	4.5	4.6	4.5	5.0	4.8	4.7	4.4	4.5	4.7	4.8	4.8	4.7
Dry (13%)	4.6	4.6	4.7	4.7	4.5	4.5	4.4	4.6	4.9	5.1	5.0	4.8
Critical (25%)	4.6	4.7	4.8	4.7	4.5	4.3	4.3	4.5	4.8	5.1	4.9	4.8

Alternative 6A,6B,6C (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.4	4.7	5.0	5.0	5.4	5.0	4.7	4.6	4.6	4.8	4.8	4.8
20%	4.3	4.4	4.7	4.9	5.0	4.7	4.3	4.3	4.5	4.7	4.7	4.6
30%	4.3	4.4	4.5	4.6	4.6	4.4	4.2	4.3	4.5	4.7	4.6	4.5
40%	4.2	4.3	4.5	4.5	4.4	4.3	4.1	4.2	4.4	4.7	4.6	4.5
50%	4.2	4.3	4.4	4.5	4.4	4.2	4.0	4.2	4.4	4.6	4.6	4.5
60%	4.2	4.2	4.4	4.4	4.2	4.2	4.0	4.2	4.4	4.6	4.5	4.4
70%	4.1	4.2	4.3	4.3	4.2	4.1	4.0	4.1	4.3	4.6	4.5	4.4
80%	4.1	4.2	4.3	4.3	4.1	4.0	3.9	4.1	4.3	4.5	4.4	4.3
90%	4.1	4.0	4.1	4.2	4.0	3.9	3.8	4.0	4.2	4.4	4.4	4.2
Long Term												
Full Simulation Period[a]	4.2	4.3	4.5	4.6	4.5	4.4	4.1	4.3	4.4	4.6	4.6	4.5
Water Year Types[b]												
Wet (31%)	4.4	4.7	5.0	4.9	5.1	5.0	4.5	4.5	4.7	4.8	4.8	4.8
Above Normal (25%)	4.1	4.1	4.4	5.0	5.2	4.6	4.2	4.3	4.3	4.5	4.5	4.3
Below Normal (6%)	4.1	4.2	4.1	4.6	4.4	4.3	4.0	4.1	4.2	4.3	4.4	4.3
Dry (13%)	4.2	4.2	4.4	4.3	4.2	4.1	4.0	4.2	4.4	4.6	4.6	4.4
Critical (25%)	4.2	4.3	4.4	4.3	4.1	3.9	3.9	4.1	4.3	4.6	4.5	4.4

Alternative 6A,6B,6C (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-0.4	-0.4	-0.4	-0.5	-0.4	-0.4	-0.4	-0.5	-0.5	-0.5	-0.4	-0.4
20%	-0.4	-0.3	-0.4	-0.5	-0.5	-0.4	-0.4	-0.5	-0.5	-0.5	-0.4	-0.4
30%	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.4	-0.4
40%	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.4	-0.4
50%	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.4	-0.4
60%	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.4	-0.4
70%	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.4	-0.4
80%	-0.4	-0.4	-0.3	-0.5	-0.4	-0.4	-0.3	-0.4	-0.5	-0.5	-0.4	-0.4
90%	-0.4	-0.4	-0.4	-0.4	-0.4	-0.3	-0.4	-0.4	-0.5	-0.5	-0.4	-0.4
Long Term												
Full Simulation Period[a]	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.4	-0.4
Water Year Types[b]												
Wet (31%)	-0.4	-0.4	-0.4	-0.5	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.4	-0.4
Above Normal (25%)	-0.4	-0.4	-0.4	-0.5	-0.5	-0.4	-0.4	-0.4	-0.4	-0.5	-0.4	-0.4
Below Normal (6%)	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4
Dry (13%)	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.4	-0.4
Critical (25%)	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.4	-0.4

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-28-1-23. Mokelumne River at Terminous, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.8	5.2	5.4	5.5	5.8	5.4	5.1	5.0	5.1	5.3	5.2	5.2
20%	4.7	4.8	5.1	5.4	5.5	5.2	4.7	4.7	5.0	5.2	5.1	5.0
30%	4.6	4.8	4.9	5.1	5.0	4.8	4.6	4.7	5.0	5.2	5.1	4.9
40%	4.6	4.7	4.8	4.9	4.8	4.7	4.5	4.7	4.9	5.1	5.0	4.9
50%	4.6	4.6	4.8	4.9	4.7	4.6	4.4	4.6	4.9	5.1	5.0	4.9
60%	4.6	4.6	4.7	4.8	4.6	4.6	4.4	4.6	4.8	5.1	4.9	4.9
70%	4.5	4.6	4.7	4.7	4.6	4.4	4.4	4.6	4.8	5.0	4.9	4.8
80%	4.5	4.5	4.6	4.7	4.5	4.3	4.3	4.5	4.7	5.0	4.8	4.7
90%	4.5	4.4	4.5	4.5	4.4	4.2	4.2	4.4	4.7	4.9	4.8	4.6
Long Term												
Full Simulation Period[a]	4.6	4.7	4.9	5.0	4.9	4.7	4.5	4.7	4.9	5.1	5.0	4.9
Water Year Types[b]												
Wet (31%)	4.8	5.1	5.4	5.4	5.6	5.4	4.9	5.0	5.1	5.3	5.2	5.2
Above Normal (25%)	4.5	4.5	4.8	5.5	5.6	5.0	4.6	4.7	4.7	5.0	4.9	4.7
Below Normal (6%)	4.5	4.6	4.5	5.0	4.8	4.7	4.4	4.5	4.7	4.8	4.8	4.7
Dry (13%)	4.6	4.6	4.7	4.7	4.5	4.5	4.4	4.6	4.9	5.1	5.0	4.8
Critical (25%)	4.6	4.7	4.8	4.7	4.5	4.3	4.3	4.5	4.8	5.1	4.9	4.8

Alternative 7 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.4	4.8	5.0	5.0	5.4	5.0	4.7	4.6	4.6	4.8	4.7	4.8
20%	4.3	4.4	4.7	4.9	5.0	4.7	4.3	4.3	4.5	4.7	4.6	4.5
30%	4.3	4.4	4.5	4.6	4.6	4.4	4.2	4.3	4.5	4.7	4.6	4.5
40%	4.2	4.3	4.5	4.5	4.4	4.3	4.1	4.2	4.4	4.6	4.6	4.5
50%	4.2	4.3	4.4	4.4	4.4	4.2	4.0	4.2	4.4	4.6	4.5	4.4
60%	4.2	4.2	4.4	4.4	4.2	4.2	4.0	4.2	4.4	4.6	4.5	4.4
70%	4.1	4.2	4.3	4.3	4.2	4.1	4.0	4.1	4.3	4.5	4.4	4.4
80%	4.1	4.2	4.3	4.3	4.1	4.0	3.9	4.1	4.3	4.5	4.4	4.3
90%	4.1	4.0	4.1	4.2	4.0	3.9	3.8	4.0	4.2	4.4	4.4	4.2
Long Term												
Full Simulation Period[a]	4.2	4.3	4.5	4.6	4.5	4.4	4.1	4.3	4.4	4.6	4.5	4.5
Water Year Types[b]												
Wet (31%)	4.4	4.7	5.0	4.9	5.1	5.0	4.5	4.5	4.7	4.8	4.7	4.8
Above Normal (25%)	4.1	4.1	4.4	5.0	5.2	4.6	4.2	4.3	4.3	4.5	4.5	4.3
Below Normal (6%)	4.1	4.2	4.1	4.6	4.4	4.3	4.0	4.1	4.2	4.3	4.3	4.2
Dry (13%)	4.2	4.2	4.4	4.3	4.2	4.1	4.0	4.2	4.4	4.6	4.5	4.4
Critical (25%)	4.2	4.3	4.4	4.3	4.1	3.9	3.9	4.1	4.3	4.6	4.5	4.4

Alternative 7 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-0.4	-0.4	-0.4	-0.5	-0.4	-0.4	-0.4	-0.5	-0.5	-0.5	-0.5	-0.4
20%	-0.4	-0.4	-0.4	-0.5	-0.5	-0.4	-0.4	-0.4	-0.5	-0.5	-0.5	-0.4
30%	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.4	-0.4
40%	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.5	-0.4
50%	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.4
60%	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.4	-0.4
70%	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.4	-0.4
80%	-0.4	-0.4	-0.3	-0.5	-0.4	-0.4	-0.3	-0.4	-0.5	-0.5	-0.4	-0.4
90%	-0.4	-0.4	-0.4	-0.4	-0.4	-0.3	-0.4	-0.4	-0.5	-0.5	-0.4	-0.4
Long Term												
Full Simulation Period[a]	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.5	-0.4
Water Year Types[b]												
Wet (31%)	-0.4	-0.4	-0.4	-0.5	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.5	-0.4
Above Normal (25%)	-0.4	-0.4	-0.4	-0.5	-0.5	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.4
Below Normal (6%)	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.5	-0.4
Dry (13%)	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.5	-0.4
Critical (25%)	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.4	-0.4

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-28-1-24. Mokelumne River at Terminous, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.8	5.2	5.4	5.5	5.8	5.4	5.1	5.0	5.1	5.3	5.2	5.2
20%	4.7	4.8	5.1	5.4	5.5	5.2	4.7	4.7	5.0	5.2	5.1	5.0
30%	4.6	4.8	4.9	5.1	5.0	4.8	4.6	4.7	5.0	5.2	5.1	4.9
40%	4.6	4.7	4.8	4.9	4.8	4.7	4.5	4.7	4.9	5.1	5.0	4.9
50%	4.6	4.6	4.8	4.9	4.7	4.6	4.4	4.6	4.9	5.1	5.0	4.9
60%	4.6	4.6	4.7	4.8	4.6	4.6	4.4	4.6	4.8	5.1	4.9	4.9
70%	4.5	4.6	4.7	4.7	4.6	4.4	4.4	4.6	4.8	5.0	4.9	4.8
80%	4.5	4.5	4.6	4.7	4.5	4.3	4.3	4.5	4.7	5.0	4.8	4.7
90%	4.5	4.4	4.5	4.5	4.4	4.2	4.2	4.4	4.7	4.9	4.8	4.6
Long Term												
Full Simulation Period[a]	4.6	4.7	4.9	5.0	4.9	4.7	4.5	4.7	4.9	5.1	5.0	4.9
Water Year Types[b]												
Wet (31%)	4.8	5.1	5.4	5.4	5.6	5.4	4.9	5.0	5.1	5.3	5.2	5.2
Above Normal (25%)	4.5	4.5	4.8	5.5	5.6	5.0	4.6	4.7	4.7	5.0	4.9	4.7
Below Normal (6%)	4.5	4.6	4.5	5.0	4.8	4.7	4.4	4.5	4.7	4.8	4.8	4.7
Dry (13%)	4.6	4.6	4.7	4.7	4.5	4.5	4.4	4.6	4.9	5.1	5.0	4.8
Critical (25%)	4.6	4.7	4.8	4.7	4.5	4.3	4.3	4.5	4.8	5.1	4.9	4.8

Alternative 8 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.4	4.8	5.0	5.0	5.4	5.0	4.7	4.6	4.6	4.8	4.7	4.8
20%	4.3	4.4	4.7	4.9	5.1	4.7	4.3	4.3	4.5	4.7	4.6	4.5
30%	4.3	4.4	4.5	4.6	4.6	4.4	4.2	4.3	4.5	4.7	4.6	4.5
40%	4.2	4.3	4.5	4.5	4.4	4.3	4.1	4.3	4.4	4.6	4.6	4.5
50%	4.2	4.3	4.4	4.5	4.4	4.3	4.0	4.2	4.4	4.6	4.5	4.4
60%	4.2	4.2	4.3	4.4	4.2	4.2	4.0	4.2	4.4	4.6	4.5	4.4
70%	4.1	4.2	4.3	4.3	4.2	4.1	4.0	4.1	4.3	4.5	4.4	4.4
80%	4.1	4.2	4.3	4.3	4.1	4.0	3.9	4.1	4.3	4.5	4.4	4.3
90%	4.1	4.0	4.1	4.2	4.1	3.9	3.8	4.0	4.2	4.4	4.4	4.2
Long Term												
Full Simulation Period[a]	4.2	4.3	4.5	4.6	4.5	4.4	4.1	4.3	4.4	4.6	4.5	4.5
Water Year Types[b]												
Wet (31%)	4.4	4.7	5.0	4.9	5.1	5.0	4.5	4.5	4.7	4.8	4.7	4.8
Above Normal (25%)	4.1	4.1	4.4	5.0	5.2	4.6	4.2	4.3	4.3	4.5	4.4	4.3
Below Normal (6%)	4.1	4.2	4.1	4.6	4.4	4.3	4.0	4.1	4.2	4.3	4.3	4.2
Dry (13%)	4.2	4.2	4.4	4.3	4.2	4.2	4.0	4.2	4.4	4.6	4.5	4.4
Critical (25%)	4.2	4.3	4.4	4.3	4.2	3.9	3.9	4.1	4.3	4.6	4.5	4.4

Alternative 8 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-0.4	-0.4	-0.4	-0.5	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.5	-0.4
20%	-0.4	-0.4	-0.4	-0.5	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.5	-0.4
30%	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.4	-0.4
40%	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.5	-0.4
50%	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.4
60%	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.4
70%	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.4
80%	-0.4	-0.4	-0.3	-0.5	-0.4	-0.3	-0.3	-0.4	-0.5	-0.5	-0.4	-0.4
90%	-0.4	-0.4	-0.4	-0.4	-0.4	-0.3	-0.4	-0.4	-0.5	-0.5	-0.4	-0.4
Long Term												
Full Simulation Period[a]	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.5	-0.4
Water Year Types[b]												
Wet (31%)	-0.4	-0.4	-0.4	-0.5	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.5	-0.4
Above Normal (25%)	-0.4	-0.4	-0.4	-0.5	-0.5	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.4
Below Normal (6%)	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.5	-0.4
Dry (13%)	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.3	-0.4	-0.5	-0.5	-0.5	-0.4
Critical (25%)	-0.4	-0.4	-0.4	-0.4	-0.4	-0.3	-0.4	-0.4	-0.4	-0.5	-0.4	-0.4

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-28-1-25. Mokelumne River at Terminous, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.8	5.2	5.4	5.5	5.8	5.4	5.1	5.0	5.1	5.3	5.2	5.2
20%	4.7	4.8	5.1	5.4	5.5	5.2	4.7	4.7	5.0	5.2	5.1	5.0
30%	4.6	4.8	4.9	5.1	5.0	4.8	4.6	4.7	5.0	5.2	5.1	4.9
40%	4.6	4.7	4.8	4.9	4.8	4.7	4.5	4.7	4.9	5.1	5.0	4.9
50%	4.6	4.6	4.8	4.9	4.7	4.6	4.4	4.6	4.9	5.1	5.0	4.9
60%	4.6	4.6	4.7	4.8	4.6	4.6	4.4	4.6	4.8	5.1	4.9	4.9
70%	4.5	4.6	4.7	4.7	4.6	4.4	4.4	4.6	4.8	5.0	4.9	4.8
80%	4.5	4.5	4.6	4.7	4.5	4.3	4.3	4.5	4.7	5.0	4.8	4.7
90%	4.5	4.4	4.5	4.5	4.4	4.2	4.2	4.4	4.7	4.9	4.8	4.6
Long Term												
Full Simulation Period[a]	4.6	4.7	4.9	5.0	4.9	4.7	4.5	4.7	4.9	5.1	5.0	4.9
Water Year Types[b]												
Wet (31%)	4.8	5.1	5.4	5.4	5.6	5.4	4.9	5.0	5.1	5.3	5.2	5.2
Above Normal (25%)	4.5	4.5	4.8	5.5	5.6	5.0	4.6	4.7	4.7	5.0	4.9	4.7
Below Normal (6%)	4.5	4.6	4.5	5.0	4.8	4.7	4.4	4.5	4.7	4.8	4.8	4.7
Dry (13%)	4.6	4.6	4.7	4.7	4.5	4.5	4.4	4.6	4.9	5.1	5.0	4.8
Critical (25%)	4.6	4.7	4.8	4.7	4.5	4.3	4.3	4.5	4.8	5.1	4.9	4.8

Alternative 9 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.4	4.7	4.9	5.0	5.3	4.9	4.6	4.6	4.6	4.8	4.7	4.8
20%	4.3	4.4	4.6	4.8	5.0	4.7	4.3	4.3	4.6	4.7	4.6	4.5
30%	4.2	4.3	4.5	4.6	4.5	4.4	4.2	4.2	4.5	4.7	4.6	4.5
40%	4.2	4.3	4.4	4.5	4.4	4.3	4.1	4.2	4.4	4.6	4.6	4.4
50%	4.2	4.2	4.4	4.5	4.3	4.3	4.0	4.2	4.4	4.6	4.5	4.4
60%	4.1	4.2	4.3	4.4	4.2	4.2	4.0	4.2	4.3	4.6	4.5	4.4
70%	4.1	4.1	4.3	4.3	4.2	4.1	4.0	4.2	4.3	4.5	4.4	4.3
80%	4.1	4.1	4.2	4.2	4.1	4.0	4.0	4.1	4.3	4.5	4.4	4.2
90%	4.1	4.0	4.1	4.1	4.0	3.9	3.8	4.0	4.2	4.4	4.4	4.2
Long Term												
Full Simulation Period[a]	4.2	4.3	4.4	4.5	4.5	4.3	4.1	4.3	4.4	4.6	4.5	4.4
Water Year Types[b]												
Wet (31%)	4.3	4.6	4.9	4.9	5.1	5.0	4.5	4.5	4.7	4.8	4.7	4.8
Above Normal (25%)	4.1	4.1	4.3	5.0	5.1	4.6	4.2	4.2	4.2	4.5	4.4	4.3
Below Normal (6%)	4.1	4.2	4.1	4.6	4.4	4.3	4.0	4.1	4.2	4.3	4.3	4.2
Dry (13%)	4.2	4.2	4.3	4.3	4.2	4.2	4.0	4.3	4.5	4.6	4.5	4.3
Critical (25%)	4.2	4.2	4.3	4.2	4.1	3.9	4.0	4.1	4.3	4.6	4.5	4.4

Alternative 9 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-0.4	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.4	-0.5	-0.5	-0.5	-0.4
20%	-0.4	-0.4	-0.5	-0.6	-0.5	-0.5	-0.4	-0.4	-0.5	-0.5	-0.5	-0.5
30%	-0.4	-0.4	-0.4	-0.5	-0.5	-0.4	-0.4	-0.5	-0.5	-0.5	-0.4	-0.4
40%	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.5	-0.4
50%	-0.4	-0.4	-0.5	-0.4	-0.4	-0.4	-0.3	-0.4	-0.5	-0.5	-0.5	-0.4
60%	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.5	-0.5
70%	-0.4	-0.4	-0.4	-0.4	-0.4	-0.3	-0.4	-0.4	-0.4	-0.5	-0.4	-0.4
80%	-0.4	-0.4	-0.4	-0.5	-0.4	-0.3	-0.3	-0.4	-0.5	-0.5	-0.4	-0.4
90%	-0.4	-0.4	-0.4	-0.4	-0.4	-0.3	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4
Long Term												
Full Simulation Period[a]	-0.4	-0.4	-0.5	-0.5	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.5	-0.4
Water Year Types[b]												
Wet (31%)	-0.4	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5
Above Normal (25%)	-0.4	-0.4	-0.4	-0.5	-0.5	-0.5	-0.4	-0.5	-0.5	-0.5	-0.5	-0.4
Below Normal (6%)	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.5	-0.5	-0.4
Dry (13%)	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.3	-0.4	-0.5	-0.5	-0.5	-0.4
Critical (25%)	-0.4	-0.4	-0.4	-0.4	-0.4	-0.3	-0.3	-0.4	-0.4	-0.5	-0.4	-0.4

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-28-2-1. Mokelumne River at Terminous, Monthly Averaged Daily Minimum Elevation

Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	-0.5	-0.4	-0.1	0.1	0.8	0.4	0.0	-0.5	-0.7	-0.5	-0.5	-0.3
20%	-0.7	-0.7	-0.7	-0.2	0.1	0.0	-0.7	-0.8	-0.8	-0.7	-0.5	-0.5
30%	-0.8	-0.8	-0.9	-0.4	-0.3	-0.3	-0.8	-0.8	-0.9	-0.7	-0.5	-0.5
40%	-0.8	-0.9	-0.9	-0.7	-0.6	-0.6	-0.8	-0.9	-0.9	-0.8	-0.6	-0.6
50%	-0.8	-0.9	-0.9	-0.8	-0.8	-0.6	-0.9	-0.9	-0.9	-0.8	-0.6	-0.6
60%	-0.8	-1.0	-0.9	-0.9	-0.8	-0.7	-0.9	-1.0	-0.9	-0.8	-0.6	-0.6
70%	-0.8	-1.0	-1.0	-0.9	-0.8	-0.9	-1.0	-1.0	-0.9	-0.8	-0.7	-0.7
80%	-0.9	-1.1	-1.1	-1.0	-1.0	-1.0	-1.0	-1.1	-0.9	-0.9	-0.7	-0.7
90%	-0.9	-1.1	-1.2	-1.1	-1.0	-1.0	-1.2	-1.1	-1.0	-0.9	-0.8	-0.7
Long Term												
Full Simulation Period[a]	-0.8	-0.8	-0.8	-0.6	-0.4	-0.4	-0.7	-0.8	-0.8	-0.7	-0.6	-0.5
Water Year Types[b]												
Wet (31%)	-0.6	-0.4	-0.2	-0.2	0.4	0.5	-0.2	-0.5	-0.5	-0.5	-0.5	-0.3
Above Normal (25%)	-0.8	-1.0	-0.9	0.1	0.3	0.0	-0.5	-0.7	-0.9	-0.7	-0.6	-0.7
Below Normal (6%)	-0.7	-0.9	-1.1	-0.6	-0.5	-0.5	-0.8	-0.9	-0.9	-0.9	-0.7	-0.7
Dry (13%)	-0.9	-1.0	-1.0	-1.0	-0.9	-0.8	-1.0	-1.0	-0.9	-0.8	-0.7	-0.7
Critical (25%)	-0.8	-0.9	-1.0	-1.0	-0.9	-1.0	-1.0	-1.1	-1.0	-0.8	-0.6	-0.6

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0.8	0.9	1.1	1.4	2.1	1.6	1.3	0.8	0.6	0.8	0.9	1.0
20%	0.6	0.5	0.6	1.1	1.4	1.4	0.6	0.5	0.5	0.7	0.8	0.9
30%	0.6	0.5	0.5	0.9	1.0	1.0	0.5	0.4	0.4	0.6	0.7	0.8
40%	0.6	0.5	0.4	0.6	0.7	0.7	0.5	0.4	0.4	0.6	0.7	0.8
50%	0.6	0.4	0.4	0.5	0.5	0.7	0.4	0.4	0.4	0.6	0.7	0.7
60%	0.5	0.3	0.4	0.4	0.5	0.6	0.4	0.3	0.4	0.5	0.6	0.7
70%	0.5	0.3	0.3	0.4	0.5	0.4	0.3	0.3	0.4	0.5	0.6	0.7
80%	0.5	0.3	0.2	0.2	0.3	0.3	0.3	0.2	0.4	0.5	0.6	0.7
90%	0.5	0.2	0.1	0.2	0.3	0.2	0.1	0.2	0.3	0.5	0.5	0.6
Long Term												
Full Simulation Period[a]	0.6	0.5	0.5	0.7	0.9	0.9	0.5	0.4	0.4	0.6	0.7	0.8
Water Year Types[b]												
Wet (31%)	0.7	0.8	1.1	1.1	1.7	1.8	1.0	0.7	0.7	0.8	0.8	1.0
Above Normal (25%)	0.6	0.3	0.5	1.4	1.7	1.3	0.7	0.6	0.4	0.6	0.7	0.7
Below Normal (6%)	0.6	0.5	0.2	0.7	0.8	0.8	0.5	0.4	0.4	0.4	0.6	0.6
Dry (13%)	0.5	0.3	0.3	0.3	0.4	0.5	0.3	0.3	0.4	0.5	0.6	0.7
Critical (25%)	0.5	0.4	0.3	0.3	0.4	0.3	0.3	0.2	0.3	0.6	0.7	0.7

No Action Alternative (LLT) minus Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.3	1.2	1.2	1.3	1.3	1.3	1.3	1.2	1.3	1.3	1.3	1.3
20%	1.4	1.2	1.3	1.3	1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3
30%	1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
40%	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.2	1.3	1.4	1.3	1.4
50%	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
60%	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
70%	1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
80%	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.4
90%	1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
Long Term												
Full Simulation Period[a]	1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
Water Year Types[b]												
Wet (31%)	1.3	1.2	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.3	1.3	1.3
Above Normal (25%)	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.4
Below Normal (6%)	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.2	1.3	1.3	1.4	1.3
Dry (13%)	1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
Critical (25%)	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

Table C-28-2-2. Mokelumne River at Terminous, Monthly Averaged Daily Minimum Elevation

Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	-0.5	-0.4	-0.1	0.1	0.8	0.4	0.0	-0.5	-0.7	-0.5	-0.5	-0.3
20%	-0.7	-0.7	-0.7	-0.2	0.1	0.0	-0.7	-0.8	-0.8	-0.7	-0.5	-0.5
30%	-0.8	-0.8	-0.9	-0.4	-0.3	-0.3	-0.8	-0.8	-0.9	-0.7	-0.5	-0.5
40%	-0.8	-0.9	-0.9	-0.7	-0.6	-0.6	-0.8	-0.9	-0.9	-0.8	-0.6	-0.6
50%	-0.8	-0.9	-0.9	-0.8	-0.8	-0.6	-0.9	-0.9	-0.9	-0.8	-0.6	-0.6
60%	-0.8	-1.0	-0.9	-0.9	-0.8	-0.7	-0.9	-1.0	-0.9	-0.8	-0.6	-0.6
70%	-0.8	-1.0	-1.0	-0.9	-0.8	-0.9	-1.0	-1.0	-0.9	-0.8	-0.7	-0.7
80%	-0.9	-1.1	-1.1	-1.0	-1.0	-1.0	-1.0	-1.1	-0.9	-0.9	-0.7	-0.7
90%	-0.9	-1.1	-1.2	-1.1	-1.0	-1.0	-1.2	-1.1	-1.0	-0.9	-0.8	-0.7
Long Term												
Full Simulation Period[a]	-0.8	-0.8	-0.8	-0.6	-0.4	-0.4	-0.7	-0.8	-0.8	-0.7	-0.6	-0.5
Water Year Types[b]												
Wet (31%)	-0.6	-0.4	-0.2	-0.2	0.4	0.5	-0.2	-0.5	-0.5	-0.5	-0.5	-0.3
Above Normal (25%)	-0.8	-1.0	-0.9	0.1	0.3	0.0	-0.5	-0.7	-0.9	-0.7	-0.6	-0.7
Below Normal (6%)	-0.7	-0.9	-1.1	-0.6	-0.5	-0.5	-0.8	-0.9	-0.9	-0.9	-0.7	-0.7
Dry (13%)	-0.9	-1.0	-1.0	-1.0	-0.9	-0.8	-1.0	-1.0	-0.9	-0.8	-0.7	-0.7
Critical (25%)	-0.8	-0.9	-1.0	-1.0	-0.9	-1.0	-1.0	-1.1	-1.0	-0.8	-0.6	-0.6

Alternative 1A,1B,1C (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.2	1.4	1.6	1.8	2.6	2.1	1.7	1.2	1.1	1.3	1.3	1.4
20%	1.1	1.0	1.1	1.6	1.9	1.8	1.0	1.0	1.0	1.1	1.3	1.3
30%	1.1	1.0	1.0	1.3	1.5	1.5	0.9	0.9	0.9	1.1	1.2	1.2
40%	1.0	0.9	0.9	1.1	1.2	1.2	0.9	0.9	0.9	1.1	1.2	1.2
50%	1.0	0.9	0.9	1.0	1.0	1.1	0.9	0.8	0.9	1.1	1.1	1.2
60%	1.0	0.8	0.9	0.9	1.0	1.0	0.8	0.8	0.9	1.0	1.1	1.2
70%	1.0	0.8	0.8	0.9	0.9	0.9	0.8	0.8	0.9	1.0	1.1	1.1
80%	1.0	0.8	0.7	0.8	0.8	0.7	0.7	0.7	0.8	1.0	1.1	1.1
90%	0.9	0.7	0.6	0.7	0.8	0.7	0.6	0.6	0.8	0.9	1.0	1.0
Long Term												
Full Simulation Period[a]	1.1	1.0	1.0	1.2	1.4	1.3	1.0	0.9	0.9	1.1	1.2	1.2
Water Year Types[b]												
Wet (31%)	1.2	1.3	1.6	1.6	2.2	2.2	1.4	1.2	1.2	1.3	1.3	1.4
Above Normal (25%)	1.0	0.8	0.9	1.8	2.2	1.7	1.1	1.0	0.9	1.0	1.2	1.1
Below Normal (6%)	1.1	0.9	0.7	1.2	1.3	1.3	0.9	0.8	0.9	1.0	1.1	1.1
Dry (13%)	1.0	0.8	0.8	0.8	0.8	1.0	0.8	0.8	0.9	1.0	1.1	1.1
Critical (25%)	1.0	0.9	0.8	0.8	0.9	0.8	0.7	0.7	0.8	1.1	1.2	1.2

Alternative 1A,1B,1C (LLT) minus Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.6	1.7	1.8	1.8	1.7
20%	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.8	1.7	1.8	1.8	1.8
30%	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.8	1.8	1.8	1.8
40%	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.8	1.8	1.8	1.8
50%	1.8	1.8	1.8	1.8	1.8	1.7	1.8	1.7	1.8	1.8	1.8	1.8
60%	1.8	1.8	1.8	1.8	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.8
70%	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.8	1.8	1.8	1.8	1.8
80%	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.8	1.8	1.8	1.8	1.8
90%	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.8	1.8	1.8
Long Term												
Full Simulation Period[a]	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.8	1.8	1.8	1.8
Water Year Types[b]												
Wet (31%)	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.6	1.7	1.7	1.8	1.7
Above Normal (25%)	1.8	1.8	1.8	1.7	1.8	1.8	1.7	1.7	1.7	1.8	1.8	1.8
Below Normal (6%)	1.8	1.8	1.8	1.8	1.7	1.8	1.7	1.7	1.8	1.8	1.8	1.8
Dry (13%)	1.8	1.8	1.8	1.8	1.8	1.7	1.8	1.8	1.8	1.8	1.8	1.8
Critical (25%)	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-28-2-3. Mokelumne River at Terminous, Monthly Averaged Daily Minimum Elevation

Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	-0.5	-0.4	-0.1	0.1	0.8	0.4	0.0	-0.5	-0.7	-0.5	-0.5	-0.3
20%	-0.7	-0.7	-0.7	-0.2	0.1	0.0	-0.7	-0.8	-0.8	-0.7	-0.5	-0.5
30%	-0.8	-0.8	-0.9	-0.4	-0.3	-0.3	-0.8	-0.8	-0.9	-0.7	-0.5	-0.5
40%	-0.8	-0.9	-0.9	-0.7	-0.6	-0.6	-0.8	-0.9	-0.9	-0.8	-0.6	-0.6
50%	-0.8	-0.9	-0.9	-0.8	-0.8	-0.6	-0.9	-0.9	-0.9	-0.8	-0.6	-0.6
60%	-0.8	-1.0	-0.9	-0.9	-0.8	-0.7	-0.9	-1.0	-0.9	-0.8	-0.6	-0.6
70%	-0.8	-1.0	-1.0	-0.9	-0.8	-0.9	-1.0	-1.0	-0.9	-0.8	-0.7	-0.7
80%	-0.9	-1.1	-1.1	-1.0	-1.0	-1.0	-1.0	-1.1	-0.9	-0.9	-0.7	-0.7
90%	-0.9	-1.1	-1.2	-1.1	-1.0	-1.0	-1.2	-1.1	-1.0	-0.9	-0.8	-0.7
Long Term												
Full Simulation Period[a]	-0.8	-0.8	-0.8	-0.6	-0.4	-0.4	-0.7	-0.8	-0.8	-0.7	-0.6	-0.5
Water Year Types[b]												
Wet (31%)	-0.6	-0.4	-0.2	-0.2	0.4	0.5	-0.2	-0.5	-0.5	-0.5	-0.5	-0.3
Above Normal (25%)	-0.8	-1.0	-0.9	0.1	0.3	0.0	-0.5	-0.7	-0.9	-0.7	-0.6	-0.7
Below Normal (6%)	-0.7	-0.9	-1.1	-0.6	-0.5	-0.5	-0.8	-0.9	-0.9	-0.9	-0.7	-0.7
Dry (13%)	-0.9	-1.0	-1.0	-1.0	-0.9	-0.8	-1.0	-1.0	-0.9	-0.8	-0.7	-0.7
Critical (25%)	-0.8	-0.9	-1.0	-1.0	-0.9	-1.0	-1.0	-1.1	-1.0	-0.8	-0.6	-0.6

Alternative 2A,2B,2C (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.2	1.4	1.6	1.8	2.6	2.1	1.7	1.2	1.1	1.3	1.3	1.5
20%	1.1	1.0	1.0	1.6	1.9	1.8	1.1	1.0	0.9	1.1	1.3	1.3
30%	1.1	1.0	1.0	1.3	1.5	1.4	0.9	0.9	0.9	1.1	1.2	1.3
40%	1.1	1.0	1.0	1.1	1.2	1.2	0.9	0.9	0.9	1.1	1.2	1.2
50%	1.0	0.9	0.9	1.0	1.0	1.1	0.9	0.8	0.9	1.0	1.1	1.2
60%	1.0	0.8	0.9	1.0	1.0	1.0	0.8	0.8	0.9	1.0	1.1	1.2
70%	1.0	0.8	0.8	0.9	0.9	0.9	0.8	0.8	0.8	1.0	1.1	1.2
80%	1.0	0.8	0.7	0.8	0.8	0.7	0.8	0.7	0.8	0.9	1.0	1.1
90%	0.9	0.8	0.6	0.8	0.8	0.7	0.6	0.6	0.8	0.9	1.0	1.0
Long Term												
Full Simulation Period[a]	1.1	1.0	1.0	1.2	1.4	1.3	1.0	0.9	0.9	1.1	1.2	1.3
Water Year Types[b]												
Wet (31%)	1.2	1.3	1.6	1.6	2.2	2.2	1.5	1.2	1.2	1.3	1.3	1.5
Above Normal (25%)	1.0	0.8	1.0	1.8	2.1	1.7	1.1	1.0	0.9	1.0	1.1	1.2
Below Normal (6%)	1.1	0.9	0.7	1.2	1.2	1.2	0.9	0.8	0.9	0.9	1.0	1.1
Dry (13%)	1.0	0.8	0.9	0.8	0.9	0.9	0.8	0.8	0.9	1.0	1.1	1.1
Critical (25%)	1.0	0.9	0.8	0.9	0.9	0.8	0.7	0.7	0.8	1.1	1.1	1.2

Alternative 2A,2B,2C (LLT) minus Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.8	1.7	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.8	1.8	1.9
20%	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.8	1.7	1.8	1.8	1.7
30%	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.8	1.8	1.7	1.8
40%	1.8	1.9	1.8	1.8	1.8	1.7	1.7	1.7	1.8	1.8	1.8	1.8
50%	1.8	1.8	1.8	1.8	1.8	1.7	1.8	1.8	1.8	1.8	1.8	1.8
60%	1.8	1.8	1.8	1.8	1.7	1.7	1.8	1.8	1.8	1.8	1.7	1.8
70%	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.8	1.8	1.8	1.8	1.8
80%	1.8	1.8	1.8	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
90%	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.8	1.8	1.8
Long Term												
Full Simulation Period[a]	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.8	1.8	1.8
Water Year Types[b]												
Wet (31%)	1.8	1.7	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.8
Above Normal (25%)	1.8	1.8	1.8	1.7	1.8	1.8	1.7	1.7	1.7	1.7	1.7	1.8
Below Normal (6%)	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8
Dry (13%)	1.8	1.8	1.8	1.8	1.8	1.7	1.8	1.8	1.8	1.8	1.8	1.8
Critical (25%)	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-28-2-4. Mokelumne River at Terminous, Monthly Averaged Daily Minimum Elevation

Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	-0.5	-0.4	-0.1	0.1	0.8	0.4	0.0	-0.5	-0.7	-0.5	-0.5	-0.3
20%	-0.7	-0.7	-0.7	-0.2	0.1	0.0	-0.7	-0.8	-0.8	-0.7	-0.5	-0.5
30%	-0.8	-0.8	-0.9	-0.4	-0.3	-0.3	-0.8	-0.8	-0.9	-0.7	-0.5	-0.5
40%	-0.8	-0.9	-0.9	-0.7	-0.6	-0.6	-0.8	-0.9	-0.9	-0.8	-0.6	-0.6
50%	-0.8	-0.9	-0.9	-0.8	-0.8	-0.6	-0.9	-0.9	-0.9	-0.8	-0.6	-0.6
60%	-0.8	-1.0	-0.9	-0.9	-0.8	-0.7	-0.9	-1.0	-0.9	-0.8	-0.6	-0.6
70%	-0.8	-1.0	-1.0	-0.9	-0.8	-0.9	-1.0	-1.0	-0.9	-0.8	-0.7	-0.7
80%	-0.9	-1.1	-1.1	-1.0	-1.0	-1.0	-1.0	-1.1	-0.9	-0.9	-0.7	-0.7
90%	-0.9	-1.1	-1.2	-1.1	-1.0	-1.0	-1.2	-1.1	-1.0	-0.9	-0.8	-0.7
Long Term												
Full Simulation Period[a]	-0.8	-0.8	-0.8	-0.6	-0.4	-0.4	-0.7	-0.8	-0.8	-0.7	-0.6	-0.5
Water Year Types[b]												
Wet (31%)	-0.6	-0.4	-0.2	-0.2	0.4	0.5	-0.2	-0.5	-0.5	-0.5	-0.5	-0.3
Above Normal (25%)	-0.8	-1.0	-0.9	0.1	0.3	0.0	-0.5	-0.7	-0.9	-0.7	-0.6	-0.7
Below Normal (6%)	-0.7	-0.9	-1.1	-0.6	-0.5	-0.5	-0.8	-0.9	-0.9	-0.9	-0.7	-0.7
Dry (13%)	-0.9	-1.0	-1.0	-1.0	-0.9	-0.8	-1.0	-1.0	-0.9	-0.8	-0.7	-0.7
Critical (25%)	-0.8	-0.9	-1.0	-1.0	-0.9	-1.0	-1.0	-1.1	-1.0	-0.8	-0.6	-0.6

Alternative 3 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.3	1.4	1.6	1.8	2.6	2.1	1.7	1.2	1.1	1.3	1.3	1.4
20%	1.1	1.0	1.0	1.6	1.9	1.8	1.0	1.0	0.9	1.1	1.3	1.3
30%	1.1	1.0	1.0	1.3	1.5	1.4	0.9	0.9	0.9	1.1	1.2	1.2
40%	1.0	0.9	0.9	1.1	1.2	1.1	0.9	0.9	0.9	1.1	1.2	1.2
50%	1.0	0.9	0.9	1.0	1.0	1.1	0.9	0.8	0.9	1.1	1.2	1.2
60%	1.0	0.8	0.9	0.9	1.0	1.0	0.8	0.8	0.9	1.0	1.1	1.2
70%	1.0	0.8	0.8	0.9	0.9	0.9	0.8	0.8	0.9	1.0	1.1	1.1
80%	1.0	0.8	0.7	0.8	0.8	0.7	0.7	0.7	0.8	1.0	1.1	1.1
90%	0.9	0.7	0.6	0.8	0.8	0.7	0.6	0.6	0.8	0.9	1.0	1.0
Long Term												
Full Simulation Period[a]	1.1	1.0	1.0	1.2	1.4	1.3	1.0	0.9	0.9	1.1	1.2	1.2
Water Year Types[b]												
Wet (31%)	1.2	1.3	1.6	1.6	2.2	2.2	1.4	1.2	1.2	1.3	1.3	1.4
Above Normal (25%)	1.0	0.8	0.9	1.8	2.1	1.7	1.1	1.0	0.9	1.0	1.2	1.1
Below Normal (6%)	1.1	0.9	0.7	1.2	1.2	1.3	0.9	0.8	0.9	1.0	1.1	1.1
Dry (13%)	1.0	0.8	0.8	0.8	0.8	1.0	0.8	0.8	0.9	1.0	1.1	1.1
Critical (25%)	1.0	0.9	0.8	0.9	0.9	0.8	0.7	0.7	0.8	1.1	1.2	1.2

Alternative 3 (LLT) minus Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.8	1.7	1.8	1.7	1.7	1.7	1.7	1.6	1.7	1.8	1.8	1.7
20%	1.8	1.7	1.8	1.8	1.8	1.8	1.7	1.8	1.7	1.8	1.8	1.8
30%	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8
40%	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.8	1.8	1.8	1.8
50%	1.8	1.8	1.8	1.8	1.8	1.7	1.8	1.7	1.8	1.8	1.8	1.8
60%	1.8	1.8	1.8	1.8	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.8
70%	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.8	1.8	1.8	1.8	1.8
80%	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.8	1.8	1.8	1.8	1.8
90%	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
Long Term												
Full Simulation Period[a]	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.8	1.8	1.8	1.8
Water Year Types[b]												
Wet (31%)	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.6	1.7	1.7	1.8	1.7
Above Normal (25%)	1.8	1.8	1.8	1.7	1.8	1.8	1.7	1.7	1.7	1.8	1.8	1.8
Below Normal (6%)	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8
Dry (13%)	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.8	1.8	1.8	1.8	1.8
Critical (25%)	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-28-2-5. Mokelumne River at Terminous, Monthly Averaged Daily Minimum Elevation

Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	-0.5	-0.4	-0.1	0.1	0.8	0.4	0.0	-0.5	-0.7	-0.5	-0.5	-0.3
20%	-0.7	-0.7	-0.7	-0.2	0.1	0.0	-0.7	-0.8	-0.8	-0.7	-0.5	-0.5
30%	-0.8	-0.8	-0.9	-0.4	-0.3	-0.3	-0.8	-0.8	-0.9	-0.7	-0.5	-0.5
40%	-0.8	-0.9	-0.9	-0.7	-0.6	-0.6	-0.8	-0.9	-0.9	-0.8	-0.6	-0.6
50%	-0.8	-0.9	-0.9	-0.8	-0.8	-0.6	-0.9	-0.9	-0.9	-0.8	-0.6	-0.6
60%	-0.8	-1.0	-0.9	-0.9	-0.8	-0.7	-0.9	-1.0	-0.9	-0.8	-0.6	-0.6
70%	-0.8	-1.0	-1.0	-0.9	-0.8	-0.9	-1.0	-1.0	-0.9	-0.8	-0.7	-0.7
80%	-0.9	-1.1	-1.1	-1.0	-1.0	-1.0	-1.0	-1.1	-0.9	-0.9	-0.7	-0.7
90%	-0.9	-1.1	-1.2	-1.1	-1.0	-1.0	-1.2	-1.1	-1.0	-0.9	-0.8	-0.7
Long Term												
Full Simulation Period[a]	-0.8	-0.8	-0.8	-0.6	-0.4	-0.4	-0.7	-0.8	-0.8	-0.7	-0.6	-0.5
Water Year Types[b]												
Wet (31%)	-0.6	-0.4	-0.2	-0.2	0.4	0.5	-0.2	-0.5	-0.5	-0.5	-0.5	-0.3
Above Normal (25%)	-0.8	-1.0	-0.9	0.1	0.3	0.0	-0.5	-0.7	-0.9	-0.7	-0.6	-0.7
Below Normal (6%)	-0.7	-0.9	-1.1	-0.6	-0.5	-0.5	-0.8	-0.9	-0.9	-0.9	-0.7	-0.7
Dry (13%)	-0.9	-1.0	-1.0	-1.0	-0.9	-0.8	-1.0	-1.0	-0.9	-0.8	-0.7	-0.7
Critical (25%)	-0.8	-0.9	-1.0	-1.0	-0.9	-1.0	-1.0	-1.1	-1.0	-0.8	-0.6	-0.6

Alternative 4 H1 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.2	1.4	1.6	1.8	2.6	2.1	1.7	1.2	1.1	1.3	1.3	1.4
20%	1.1	1.1	1.0	1.6	1.9	1.8	1.1	1.0	0.9	1.1	1.3	1.3
30%	1.1	1.0	1.0	1.3	1.5	1.4	0.9	0.9	0.9	1.1	1.2	1.2
40%	1.1	0.9	1.0	1.1	1.2	1.2	0.9	0.9	0.9	1.1	1.2	1.2
50%	1.0	0.9	0.9	1.0	1.0	1.1	0.9	0.8	0.9	1.0	1.1	1.2
60%	1.0	0.8	0.9	1.0	1.0	1.0	0.8	0.8	0.9	1.0	1.1	1.1
70%	1.0	0.8	0.8	0.9	0.9	0.9	0.8	0.8	0.8	1.0	1.1	1.1
80%	0.9	0.8	0.7	0.8	0.8	0.7	0.8	0.7	0.8	0.9	1.0	1.1
90%	0.9	0.7	0.6	0.8	0.8	0.7	0.6	0.6	0.8	0.9	1.0	1.0
Long Term												
Full Simulation Period[a]	1.0	1.0	1.0	1.2	1.4	1.3	1.0	0.9	0.9	1.1	1.2	1.2
Water Year Types[b]												
Wet (31%)	1.2	1.3	1.6	1.6	2.2	2.2	1.5	1.2	1.2	1.2	1.3	1.4
Above Normal (25%)	1.0	0.8	1.0	1.8	2.1	1.7	1.1	1.0	0.9	1.0	1.1	1.1
Below Normal (6%)	1.1	0.9	0.7	1.2	1.2	1.3	0.9	0.8	0.9	0.9	1.0	1.1
Dry (13%)	1.0	0.8	0.9	0.8	0.9	1.0	0.8	0.8	0.9	1.0	1.1	1.1
Critical (25%)	1.0	0.8	0.8	0.9	0.9	0.8	0.7	0.7	0.8	1.1	1.1	1.2

Alternative 4 H1 (LLT) minus Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.8	1.8	1.7
20%	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.8	1.7	1.8	1.8	1.7
30%	1.8	1.8	1.9	1.8	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8
40%	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.8	1.8	1.8	1.8
50%	1.8	1.8	1.8	1.8	1.8	1.7	1.8	1.8	1.8	1.8	1.8	1.8
60%	1.8	1.8	1.8	1.8	1.8	1.7	1.8	1.8	1.8	1.8	1.7	1.8
70%	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.8	1.8	1.8	1.8	1.8
80%	1.8	1.8	1.8	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
90%	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.8	1.8	1.8
Long Term												
Full Simulation Period[a]	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.8	1.8	1.8
Water Year Types[b]												
Wet (31%)	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7
Above Normal (25%)	1.8	1.8	1.8	1.7	1.8	1.8	1.7	1.7	1.7	1.7	1.7	1.7
Below Normal (6%)	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8
Dry (13%)	1.8	1.8	1.8	1.8	1.8	1.7	1.8	1.8	1.8	1.8	1.8	1.8
Critical (25%)	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-28-2-6. Mokelumne River at Terminous, Monthly Averaged Daily Minimum Elevation

Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	-0.5	-0.4	-0.1	0.1	0.8	0.4	0.0	-0.5	-0.7	-0.5	-0.5	-0.3
20%	-0.7	-0.7	-0.7	-0.2	0.1	0.0	-0.7	-0.8	-0.8	-0.7	-0.5	-0.5
30%	-0.8	-0.8	-0.9	-0.4	-0.3	-0.3	-0.8	-0.8	-0.9	-0.7	-0.5	-0.5
40%	-0.8	-0.9	-0.9	-0.7	-0.6	-0.6	-0.8	-0.9	-0.9	-0.8	-0.6	-0.6
50%	-0.8	-0.9	-0.9	-0.8	-0.8	-0.6	-0.9	-0.9	-0.9	-0.8	-0.6	-0.6
60%	-0.8	-1.0	-0.9	-0.9	-0.8	-0.7	-0.9	-1.0	-0.9	-0.8	-0.6	-0.6
70%	-0.8	-1.0	-1.0	-0.9	-0.8	-0.9	-1.0	-1.0	-0.9	-0.8	-0.7	-0.7
80%	-0.9	-1.1	-1.1	-1.0	-1.0	-1.0	-1.0	-1.1	-0.9	-0.9	-0.7	-0.7
90%	-0.9	-1.1	-1.2	-1.1	-1.0	-1.0	-1.2	-1.1	-1.0	-0.9	-0.8	-0.7
Long Term												
Full Simulation Period[a]	-0.8	-0.8	-0.8	-0.6	-0.4	-0.4	-0.7	-0.8	-0.8	-0.7	-0.6	-0.5
Water Year Types[b]												
Wet (31%)	-0.6	-0.4	-0.2	-0.2	0.4	0.5	-0.2	-0.5	-0.5	-0.5	-0.5	-0.3
Above Normal (25%)	-0.8	-1.0	-0.9	0.1	0.3	0.0	-0.5	-0.7	-0.9	-0.7	-0.6	-0.7
Below Normal (6%)	-0.7	-0.9	-1.1	-0.6	-0.5	-0.5	-0.8	-0.9	-0.9	-0.9	-0.7	-0.7
Dry (13%)	-0.9	-1.0	-1.0	-1.0	-0.9	-0.8	-1.0	-1.0	-0.9	-0.8	-0.7	-0.7
Critical (25%)	-0.8	-0.9	-1.0	-1.0	-0.9	-1.0	-1.0	-1.1	-1.0	-0.8	-0.6	-0.6

Alternative 4 H2 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.2	1.4	1.6	1.8	2.6	2.1	1.7	1.2	1.1	1.3	1.3	1.4
20%	1.1	1.1	1.0	1.6	1.9	1.8	1.1	1.0	0.9	1.1	1.3	1.3
30%	1.1	1.0	1.0	1.3	1.5	1.4	1.0	0.9	0.9	1.1	1.2	1.2
40%	1.1	0.9	1.0	1.1	1.2	1.2	0.9	0.9	0.9	1.1	1.2	1.2
50%	1.0	0.9	0.9	1.0	1.0	1.1	0.9	0.8	0.9	1.1	1.1	1.2
60%	1.0	0.8	0.9	1.0	1.0	1.0	0.9	0.8	0.9	1.0	1.1	1.1
70%	1.0	0.8	0.8	0.9	0.9	0.9	0.8	0.8	0.8	1.0	1.1	1.1
80%	1.0	0.8	0.7	0.8	0.8	0.8	0.8	0.7	0.8	1.0	1.0	1.1
90%	0.9	0.7	0.7	0.8	0.8	0.7	0.6	0.6	0.8	0.9	1.0	1.0
Long Term												
Full Simulation Period[a]	1.0	1.0	1.1	1.2	1.4	1.3	1.0	0.9	0.9	1.1	1.2	1.2
Water Year Types[b]												
Wet (31%)	1.2	1.3	1.6	1.6	2.2	2.2	1.5	1.2	1.2	1.3	1.3	1.4
Above Normal (25%)	1.0	0.8	1.0	1.8	2.2	1.7	1.2	1.0	0.9	1.1	1.2	1.1
Below Normal (6%)	1.1	0.9	0.7	1.2	1.2	1.2	0.9	0.8	0.9	0.9	1.0	1.1
Dry (13%)	1.0	0.8	0.9	0.8	0.9	1.0	0.8	0.8	0.9	1.0	1.1	1.1
Critical (25%)	1.0	0.8	0.8	0.9	0.9	0.8	0.7	0.7	0.8	1.1	1.1	1.2

Alternative 4 H2 (LLT) minus Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.8	1.8	1.7
20%	1.8	1.8	1.8	1.8	1.9	1.8	1.7	1.8	1.7	1.8	1.8	1.7
30%	1.8	1.8	1.9	1.8	1.7	1.7	1.8	1.8	1.8	1.8	1.7	1.7
40%	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.8	1.8	1.8	1.8
50%	1.8	1.8	1.8	1.8	1.8	1.7	1.8	1.8	1.8	1.8	1.8	1.8
60%	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.8
70%	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
80%	1.8	1.8	1.8	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
90%	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.8	1.8	1.8
Long Term												
Full Simulation Period[a]	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.8	1.8	1.8
Water Year Types[b]												
Wet (31%)	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7
Above Normal (25%)	1.8	1.8	1.8	1.7	1.8	1.8	1.7	1.7	1.7	1.8	1.8	1.8
Below Normal (6%)	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8
Dry (13%)	1.8	1.8	1.8	1.8	1.8	1.7	1.8	1.8	1.8	1.8	1.8	1.8
Critical (25%)	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-28-2-7. Mokelumne River at Terminous, Monthly Averaged Daily Minimum Elevation

Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	-0.5	-0.4	-0.1	0.1	0.8	0.4	0.0	-0.5	-0.7	-0.5	-0.5	-0.3
20%	-0.7	-0.7	-0.7	-0.2	0.1	0.0	-0.7	-0.8	-0.8	-0.7	-0.5	-0.5
30%	-0.8	-0.8	-0.9	-0.4	-0.3	-0.3	-0.8	-0.8	-0.9	-0.7	-0.5	-0.5
40%	-0.8	-0.9	-0.9	-0.7	-0.6	-0.6	-0.8	-0.9	-0.9	-0.8	-0.6	-0.6
50%	-0.8	-0.9	-0.9	-0.8	-0.8	-0.6	-0.9	-0.9	-0.9	-0.8	-0.6	-0.6
60%	-0.8	-1.0	-0.9	-0.9	-0.8	-0.7	-0.9	-1.0	-0.9	-0.8	-0.6	-0.6
70%	-0.8	-1.0	-1.0	-0.9	-0.8	-0.9	-1.0	-1.0	-0.9	-0.8	-0.7	-0.7
80%	-0.9	-1.1	-1.1	-1.0	-1.0	-1.0	-1.0	-1.1	-0.9	-0.9	-0.7	-0.7
90%	-0.9	-1.1	-1.2	-1.1	-1.0	-1.0	-1.2	-1.1	-1.0	-0.9	-0.8	-0.7
Long Term												
Full Simulation Period[a]	-0.8	-0.8	-0.8	-0.6	-0.4	-0.4	-0.7	-0.8	-0.8	-0.7	-0.6	-0.5
Water Year Types[b]												
Wet (31%)	-0.6	-0.4	-0.2	-0.2	0.4	0.5	-0.2	-0.5	-0.5	-0.5	-0.5	-0.3
Above Normal (25%)	-0.8	-1.0	-0.9	0.1	0.3	0.0	-0.5	-0.7	-0.9	-0.7	-0.6	-0.7
Below Normal (6%)	-0.7	-0.9	-1.1	-0.6	-0.5	-0.5	-0.8	-0.9	-0.9	-0.9	-0.7	-0.7
Dry (13%)	-0.9	-1.0	-1.0	-1.0	-0.9	-0.8	-1.0	-1.0	-0.9	-0.8	-0.7	-0.7
Critical (25%)	-0.8	-0.9	-1.0	-1.0	-0.9	-1.0	-1.0	-1.1	-1.0	-0.8	-0.6	-0.6

Alternative 4 H3 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.2	1.4	1.6	1.8	2.5	2.1	1.7	1.2	1.1	1.3	1.3	1.5
20%	1.1	1.1	1.1	1.6	1.9	1.8	1.1	1.0	0.9	1.1	1.3	1.3
30%	1.1	1.0	1.0	1.3	1.5	1.4	0.9	0.9	0.9	1.1	1.2	1.3
40%	1.1	1.0	1.0	1.1	1.2	1.1	0.9	0.9	0.9	1.1	1.2	1.2
50%	1.0	0.9	0.9	1.0	1.0	1.1	0.9	0.8	0.9	1.0	1.1	1.2
60%	1.0	0.8	0.9	1.0	1.0	1.0	0.8	0.8	0.9	1.0	1.1	1.2
70%	1.0	0.8	0.8	0.9	0.9	0.9	0.8	0.8	0.8	1.0	1.1	1.2
80%	0.9	0.8	0.7	0.8	0.8	0.7	0.8	0.7	0.8	0.9	1.0	1.1
90%	0.9	0.7	0.7	0.8	0.8	0.7	0.6	0.6	0.8	0.9	1.0	1.0
Long Term												
Full Simulation Period[a]	1.1	1.0	1.0	1.2	1.4	1.3	1.0	0.9	0.9	1.1	1.2	1.3
Water Year Types[b]												
Wet (31%)	1.2	1.3	1.6	1.6	2.2	2.2	1.5	1.2	1.2	1.2	1.3	1.6
Above Normal (25%)	1.0	0.8	1.0	1.8	2.1	1.7	1.1	1.0	0.9	1.0	1.1	1.2
Below Normal (6%)	1.1	0.9	0.7	1.2	1.2	1.2	0.9	0.8	0.9	0.9	1.0	1.1
Dry (13%)	1.0	0.8	0.9	0.8	0.9	1.0	0.8	0.8	0.9	1.0	1.1	1.1
Critical (25%)	1.0	0.9	0.8	0.9	0.9	0.8	0.7	0.7	0.8	1.1	1.1	1.2

Alternative 4 H3 (LLT) minus Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.8	1.7	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.8	1.8	1.9
20%	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.8	1.7	1.8	1.8	1.7
30%	1.8	1.8	1.9	1.8	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8
40%	1.8	1.9	1.8	1.8	1.8	1.7	1.7	1.7	1.8	1.8	1.8	1.8
50%	1.8	1.8	1.8	1.8	1.8	1.7	1.8	1.8	1.8	1.8	1.8	1.8
60%	1.8	1.8	1.8	1.9	1.7	1.7	1.8	1.8	1.8	1.8	1.7	1.8
70%	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.8	1.8	1.8	1.8	1.8
80%	1.8	1.8	1.8	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
90%	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.8	1.8	1.8
Long Term												
Full Simulation Period[a]	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.8	1.8	1.8
Water Year Types[b]												
Wet (31%)	1.8	1.7	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.8
Above Normal (25%)	1.8	1.8	1.8	1.7	1.8	1.8	1.7	1.7	1.7	1.7	1.7	1.9
Below Normal (6%)	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8
Dry (13%)	1.8	1.8	1.8	1.8	1.8	1.7	1.8	1.8	1.8	1.8	1.8	1.8
Critical (25%)	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-28-2-8. Mokelumne River at Terminous, Monthly Averaged Daily Minimum Elevation

Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	-0.5	-0.4	-0.1	0.1	0.8	0.4	0.0	-0.5	-0.7	-0.5	-0.5	-0.3
20%	-0.7	-0.7	-0.7	-0.2	0.1	0.0	-0.7	-0.8	-0.8	-0.7	-0.5	-0.5
30%	-0.8	-0.8	-0.9	-0.4	-0.3	-0.3	-0.8	-0.8	-0.9	-0.7	-0.5	-0.5
40%	-0.8	-0.9	-0.9	-0.7	-0.6	-0.6	-0.8	-0.9	-0.9	-0.8	-0.6	-0.6
50%	-0.8	-0.9	-0.9	-0.8	-0.8	-0.6	-0.9	-0.9	-0.9	-0.8	-0.6	-0.6
60%	-0.8	-1.0	-0.9	-0.9	-0.8	-0.7	-0.9	-1.0	-0.9	-0.8	-0.6	-0.6
70%	-0.8	-1.0	-1.0	-0.9	-0.8	-0.9	-1.0	-1.0	-0.9	-0.8	-0.7	-0.7
80%	-0.9	-1.1	-1.1	-1.0	-1.0	-1.0	-1.0	-1.1	-0.9	-0.9	-0.7	-0.7
90%	-0.9	-1.1	-1.2	-1.1	-1.0	-1.0	-1.2	-1.1	-1.0	-0.9	-0.8	-0.7
Long Term												
Full Simulation Period[a]	-0.8	-0.8	-0.8	-0.6	-0.4	-0.4	-0.7	-0.8	-0.8	-0.7	-0.6	-0.5
Water Year Types[b]												
Wet (31%)	-0.6	-0.4	-0.2	-0.2	0.4	0.5	-0.2	-0.5	-0.5	-0.5	-0.5	-0.3
Above Normal (25%)	-0.8	-1.0	-0.9	0.1	0.3	0.0	-0.5	-0.7	-0.9	-0.7	-0.6	-0.7
Below Normal (6%)	-0.7	-0.9	-1.1	-0.6	-0.5	-0.5	-0.8	-0.9	-0.9	-0.9	-0.7	-0.7
Dry (13%)	-0.9	-1.0	-1.0	-1.0	-0.9	-0.8	-1.0	-1.0	-0.9	-0.8	-0.7	-0.7
Critical (25%)	-0.8	-0.9	-1.0	-1.0	-0.9	-1.0	-1.0	-1.1	-1.0	-0.8	-0.6	-0.6

Alternative 4 H4 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.2	1.3	1.6	1.8	2.5	2.1	1.7	1.2	1.1	1.3	1.3	1.6
20%	1.1	1.0	1.0	1.6	1.9	1.8	1.1	1.0	0.9	1.1	1.3	1.3
30%	1.1	1.0	1.0	1.3	1.5	1.4	1.0	0.9	0.9	1.1	1.2	1.3
40%	1.1	1.0	1.0	1.1	1.2	1.2	0.9	0.9	0.9	1.1	1.2	1.2
50%	1.0	0.9	0.9	1.0	1.0	1.1	0.9	0.8	0.9	1.1	1.1	1.2
60%	1.0	0.8	0.9	1.0	1.0	1.0	0.9	0.8	0.9	1.0	1.1	1.2
70%	1.0	0.8	0.8	0.9	0.9	0.9	0.8	0.8	0.8	1.0	1.1	1.2
80%	1.0	0.8	0.7	0.8	0.8	0.7	0.8	0.7	0.8	1.0	1.1	1.1
90%	0.9	0.8	0.6	0.8	0.8	0.7	0.6	0.6	0.8	0.9	1.0	1.0
Long Term												
Full Simulation Period[a]	1.1	1.0	1.0	1.2	1.4	1.3	1.0	0.9	0.9	1.1	1.2	1.3
Water Year Types[b]												
Wet (31%)	1.2	1.3	1.6	1.6	2.2	2.2	1.5	1.2	1.2	1.3	1.3	1.6
Above Normal (25%)	1.0	0.8	1.0	1.8	2.1	1.7	1.2	1.0	0.9	1.1	1.2	1.2
Below Normal (6%)	1.1	0.9	0.7	1.2	1.2	1.2	0.9	0.8	0.9	0.9	1.1	1.1
Dry (13%)	1.0	0.8	0.9	0.8	0.9	1.0	0.8	0.8	0.9	1.0	1.1	1.1
Critical (25%)	1.0	0.9	0.8	0.8	0.9	0.8	0.7	0.7	0.8	1.1	1.1	1.2

Alternative 4 H4 (LLT) minus Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.8	1.7	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.8	1.8	1.9
20%	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.8	1.7	1.8	1.8	1.7
30%	1.8	1.8	1.8	1.8	1.7	1.7	1.8	1.8	1.8	1.8	1.7	1.8
40%	1.8	1.9	1.8	1.8	1.8	1.7	1.7	1.7	1.8	1.8	1.8	1.8
50%	1.8	1.8	1.8	1.8	1.8	1.7	1.8	1.8	1.8	1.8	1.8	1.8
60%	1.8	1.8	1.8	1.8	1.8	1.7	1.8	1.8	1.8	1.8	1.7	1.8
70%	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
80%	1.8	1.8	1.8	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
90%	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.8	1.8	1.8
Long Term												
Full Simulation Period[a]	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.8	1.8	1.8
Water Year Types[b]												
Wet (31%)	1.8	1.7	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.8
Above Normal (25%)	1.8	1.8	1.8	1.7	1.8	1.8	1.7	1.7	1.7	1.8	1.8	1.9
Below Normal (6%)	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8
Dry (13%)	1.8	1.8	1.8	1.8	1.8	1.7	1.8	1.8	1.8	1.8	1.8	1.8
Critical (25%)	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.8

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-28-2-9. Mokelumne River at Terminous, Monthly Averaged Daily Minimum Elevation

Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	-0.5	-0.4	-0.1	0.1	0.8	0.4	0.0	-0.5	-0.7	-0.5	-0.5	-0.3
20%	-0.7	-0.7	-0.7	-0.2	0.1	0.0	-0.7	-0.8	-0.8	-0.7	-0.5	-0.5
30%	-0.8	-0.8	-0.9	-0.4	-0.3	-0.3	-0.8	-0.8	-0.9	-0.7	-0.5	-0.5
40%	-0.8	-0.9	-0.9	-0.7	-0.6	-0.6	-0.8	-0.9	-0.9	-0.8	-0.6	-0.6
50%	-0.8	-0.9	-0.9	-0.8	-0.8	-0.6	-0.9	-0.9	-0.9	-0.8	-0.6	-0.6
60%	-0.8	-1.0	-0.9	-0.9	-0.8	-0.7	-0.9	-1.0	-0.9	-0.8	-0.6	-0.6
70%	-0.8	-1.0	-1.0	-0.9	-0.8	-0.9	-1.0	-1.0	-0.9	-0.8	-0.7	-0.7
80%	-0.9	-1.1	-1.1	-1.0	-1.0	-1.0	-1.0	-1.1	-0.9	-0.9	-0.7	-0.7
90%	-0.9	-1.1	-1.2	-1.1	-1.0	-1.0	-1.2	-1.1	-1.0	-0.9	-0.8	-0.7
Long Term												
Full Simulation Period[a]	-0.8	-0.8	-0.8	-0.6	-0.4	-0.4	-0.7	-0.8	-0.8	-0.7	-0.6	-0.5
Water Year Types[b]												
Wet (31%)	-0.6	-0.4	-0.2	-0.2	0.4	0.5	-0.2	-0.5	-0.5	-0.5	-0.5	-0.3
Above Normal (25%)	-0.8	-1.0	-0.9	0.1	0.3	0.0	-0.5	-0.7	-0.9	-0.7	-0.6	-0.7
Below Normal (6%)	-0.7	-0.9	-1.1	-0.6	-0.5	-0.5	-0.8	-0.9	-0.9	-0.9	-0.7	-0.7
Dry (13%)	-0.9	-1.0	-1.0	-1.0	-0.9	-0.8	-1.0	-1.0	-0.9	-0.8	-0.7	-0.7
Critical (25%)	-0.8	-0.9	-1.0	-1.0	-0.9	-1.0	-1.0	-1.1	-1.0	-0.8	-0.6	-0.6

Alternative 5 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.2	1.4	1.6	1.8	2.5	2.0	1.7	1.2	1.1	1.3	1.3	1.5
20%	1.1	1.0	1.0	1.6	1.9	1.8	1.1	1.0	0.9	1.1	1.3	1.3
30%	1.1	1.0	1.0	1.3	1.4	1.4	0.9	0.9	0.9	1.1	1.2	1.3
40%	1.0	0.9	0.9	1.1	1.2	1.2	0.9	0.9	0.9	1.1	1.2	1.2
50%	1.0	0.9	0.9	1.0	1.0	1.1	0.9	0.8	0.9	1.1	1.1	1.2
60%	1.0	0.9	0.9	0.9	1.0	1.0	0.8	0.8	0.9	1.0	1.1	1.2
70%	1.0	0.8	0.8	0.9	0.9	0.9	0.8	0.8	0.8	1.0	1.1	1.2
80%	0.9	0.8	0.7	0.8	0.8	0.7	0.8	0.7	0.8	1.0	1.1	1.1
90%	0.9	0.8	0.6	0.7	0.8	0.7	0.6	0.6	0.8	0.9	1.0	1.1
Long Term												
Full Simulation Period[a]	1.0	1.0	1.0	1.2	1.4	1.3	1.0	0.9	0.9	1.1	1.2	1.3
Water Year Types[b]												
Wet (31%)	1.1	1.3	1.6	1.6	2.2	2.2	1.5	1.2	1.2	1.2	1.3	1.5
Above Normal (25%)	1.0	0.8	1.0	1.8	2.1	1.7	1.1	1.0	0.8	1.0	1.2	1.2
Below Normal (6%)	1.1	0.9	0.7	1.2	1.2	1.2	0.9	0.8	0.9	0.9	1.1	1.1
Dry (13%)	1.0	0.8	0.8	0.8	0.8	1.0	0.8	0.8	0.9	1.0	1.1	1.1
Critical (25%)	1.0	0.9	0.8	0.9	0.9	0.8	0.7	0.7	0.8	1.0	1.1	1.2

Alternative 5 (LLT) minus Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.8	1.7	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.8	1.8	1.9
20%	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.8	1.7	1.8	1.8	1.7
30%	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8
40%	1.8	1.9	1.8	1.8	1.8	1.7	1.7	1.7	1.8	1.8	1.8	1.8
50%	1.8	1.8	1.8	1.8	1.8	1.7	1.8	1.8	1.8	1.8	1.8	1.8
60%	1.8	1.8	1.8	1.8	1.7	1.8	1.8	1.8	1.8	1.8	1.7	1.8
70%	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.8	1.8	1.8	1.8	1.8
80%	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.8	1.8	1.8	1.8	1.8
90%	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.8	1.8	1.8
Long Term												
Full Simulation Period[a]	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.8	1.8	1.8
Water Year Types[b]												
Wet (31%)	1.8	1.7	1.8	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.8
Above Normal (25%)	1.8	1.8	1.8	1.7	1.8	1.7	1.7	1.7	1.7	1.8	1.8	1.9
Below Normal (6%)	1.8	1.9	1.8	1.8	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8
Dry (13%)	1.8	1.8	1.8	1.8	1.8	1.7	1.8	1.8	1.8	1.8	1.8	1.8
Critical (25%)	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-28-2-10. Mokelumne River at Terminous, Monthly Averaged Daily Minimum Elevation

Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	-0.5	-0.4	-0.1	0.1	0.8	0.4	0.0	-0.5	-0.7	-0.5	-0.5	-0.3
20%	-0.7	-0.7	-0.7	-0.2	0.1	0.0	-0.7	-0.8	-0.8	-0.7	-0.5	-0.5
30%	-0.8	-0.8	-0.9	-0.4	-0.3	-0.3	-0.8	-0.8	-0.9	-0.7	-0.5	-0.5
40%	-0.8	-0.9	-0.9	-0.7	-0.6	-0.6	-0.8	-0.9	-0.9	-0.8	-0.6	-0.6
50%	-0.8	-0.9	-0.9	-0.8	-0.8	-0.6	-0.9	-0.9	-0.9	-0.8	-0.6	-0.6
60%	-0.8	-1.0	-0.9	-0.9	-0.8	-0.7	-0.9	-1.0	-0.9	-0.8	-0.6	-0.6
70%	-0.8	-1.0	-1.0	-0.9	-0.8	-0.9	-1.0	-1.0	-0.9	-0.8	-0.7	-0.7
80%	-0.9	-1.1	-1.1	-1.0	-1.0	-1.0	-1.0	-1.1	-0.9	-0.9	-0.7	-0.7
90%	-0.9	-1.1	-1.2	-1.1	-1.0	-1.0	-1.2	-1.1	-1.0	-0.9	-0.8	-0.7
Long Term												
Full Simulation Period[a]	-0.8	-0.8	-0.8	-0.6	-0.4	-0.4	-0.7	-0.8	-0.8	-0.7	-0.6	-0.5
Water Year Types[b]												
Wet (31%)	-0.6	-0.4	-0.2	-0.2	0.4	0.5	-0.2	-0.5	-0.5	-0.5	-0.5	-0.3
Above Normal (25%)	-0.8	-1.0	-0.9	0.1	0.3	0.0	-0.5	-0.7	-0.9	-0.7	-0.6	-0.7
Below Normal (6%)	-0.7	-0.9	-1.1	-0.6	-0.5	-0.5	-0.8	-0.9	-0.9	-0.9	-0.7	-0.7
Dry (13%)	-0.9	-1.0	-1.0	-1.0	-0.9	-0.8	-1.0	-1.0	-0.9	-0.8	-0.7	-0.7
Critical (25%)	-0.8	-0.9	-1.0	-1.0	-0.9	-1.0	-1.0	-1.1	-1.0	-0.8	-0.6	-0.6

Alternative 6A,6B,6C (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.3	1.4	1.7	1.9	2.6	2.1	1.7	1.2	1.1	1.3	1.4	1.5
20%	1.1	1.1	1.1	1.6	1.9	1.8	1.1	1.0	1.0	1.1	1.3	1.3
30%	1.1	1.0	1.1	1.4	1.5	1.4	0.9	0.9	0.9	1.1	1.2	1.3
40%	1.1	1.0	1.0	1.2	1.2	1.2	0.9	0.9	0.9	1.1	1.2	1.2
50%	1.0	0.9	1.0	1.0	1.1	1.2	0.9	0.9	0.9	1.1	1.2	1.2
60%	1.0	0.9	1.0	1.0	1.0	1.0	0.8	0.8	0.9	1.1	1.1	1.2
70%	1.0	0.8	0.9	0.9	1.0	0.9	0.8	0.8	0.9	1.0	1.1	1.2
80%	1.0	0.8	0.8	0.8	0.9	0.8	0.8	0.7	0.8	1.0	1.1	1.2
90%	1.0	0.8	0.7	0.8	0.8	0.8	0.6	0.7	0.8	0.9	1.0	1.1
Long Term												
Full Simulation Period[a]	1.1	1.0	1.1	1.2	1.4	1.3	1.0	0.9	0.9	1.1	1.2	1.3
Water Year Types[b]												
Wet (31%)	1.2	1.4	1.7	1.6	2.2	2.2	1.5	1.2	1.2	1.3	1.3	1.5
Above Normal (25%)	1.0	0.9	1.0	1.9	2.1	1.7	1.1	1.0	0.9	1.1	1.2	1.2
Below Normal (6%)	1.1	1.0	0.8	1.3	1.3	1.3	0.9	0.9	0.9	1.0	1.1	1.1
Dry (13%)	1.0	0.9	0.9	0.9	0.9	1.0	0.8	0.8	0.9	1.0	1.1	1.2
Critical (25%)	1.0	0.9	0.9	0.9	0.9	0.8	0.7	0.7	0.8	1.1	1.2	1.2

Alternative 6A,6B,6C (LLT) minus Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8
20%	1.9	1.9	1.8	1.8	1.8	1.8	1.7	1.8	1.8	1.8	1.8	1.8
30%	1.9	1.8	1.9	1.8	1.8	1.7	1.7	1.8	1.8	1.8	1.8	1.8
40%	1.8	1.9	1.9	1.8	1.8	1.7	1.8	1.7	1.8	1.9	1.8	1.8
50%	1.8	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
60%	1.8	1.8	1.9	1.8	1.8	1.7	1.8	1.8	1.8	1.8	1.8	1.8
70%	1.8	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
80%	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.9	1.8	1.8
90%	1.9	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
Long Term												
Full Simulation Period[a]	1.8	1.8	1.9	1.8	1.8	1.8	1.7	1.8	1.8	1.8	1.8	1.8
Water Year Types[b]												
Wet (31%)	1.8	1.8	1.9	1.8	1.8	1.7	1.7	1.7	1.7	1.8	1.8	1.8
Above Normal (25%)	1.8	1.8	1.9	1.8	1.8	1.8	1.7	1.7	1.8	1.8	1.8	1.8
Below Normal (6%)	1.9	1.9	1.9	1.8	1.8	1.8	1.7	1.7	1.8	1.8	1.8	1.8
Dry (13%)	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.9	1.8	1.8
Critical (25%)	1.8	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-28-2-11. Mokelumne River at Terminous, Monthly Averaged Daily Minimum Elevation

Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	-0.5	-0.4	-0.1	0.1	0.8	0.4	0.0	-0.5	-0.7	-0.5	-0.5	-0.3
20%	-0.7	-0.7	-0.7	-0.2	0.1	0.0	-0.7	-0.8	-0.8	-0.7	-0.5	-0.5
30%	-0.8	-0.8	-0.9	-0.4	-0.3	-0.3	-0.8	-0.8	-0.9	-0.7	-0.5	-0.5
40%	-0.8	-0.9	-0.9	-0.7	-0.6	-0.6	-0.8	-0.9	-0.9	-0.8	-0.6	-0.6
50%	-0.8	-0.9	-0.9	-0.8	-0.8	-0.6	-0.9	-0.9	-0.9	-0.8	-0.6	-0.6
60%	-0.8	-1.0	-0.9	-0.9	-0.8	-0.7	-0.9	-1.0	-0.9	-0.8	-0.6	-0.6
70%	-0.8	-1.0	-1.0	-0.9	-0.8	-0.9	-1.0	-1.0	-0.9	-0.8	-0.7	-0.7
80%	-0.9	-1.1	-1.1	-1.0	-1.0	-1.0	-1.0	-1.1	-0.9	-0.9	-0.7	-0.7
90%	-0.9	-1.1	-1.2	-1.1	-1.0	-1.0	-1.2	-1.1	-1.0	-0.9	-0.8	-0.7
Long Term												
Full Simulation Period[a]	-0.8	-0.8	-0.8	-0.6	-0.4	-0.4	-0.7	-0.8	-0.8	-0.7	-0.6	-0.5
Water Year Types[b]												
Wet (31%)	-0.6	-0.4	-0.2	-0.2	0.4	0.5	-0.2	-0.5	-0.5	-0.5	-0.5	-0.3
Above Normal (25%)	-0.8	-1.0	-0.9	0.1	0.3	0.0	-0.5	-0.7	-0.9	-0.7	-0.6	-0.7
Below Normal (6%)	-0.7	-0.9	-1.1	-0.6	-0.5	-0.5	-0.8	-0.9	-0.9	-0.9	-0.7	-0.7
Dry (13%)	-0.9	-1.0	-1.0	-1.0	-0.9	-0.8	-1.0	-1.0	-0.9	-0.8	-0.7	-0.7
Critical (25%)	-0.8	-0.9	-1.0	-1.0	-0.9	-1.0	-1.0	-1.1	-1.0	-0.8	-0.6	-0.6

Alternative 7 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.3	1.4	1.7	1.9	2.5	2.0	1.7	1.2	1.1	1.3	1.3	1.6
20%	1.1	1.1	1.1	1.6	1.9	1.8	1.1	1.0	1.0	1.1	1.3	1.3
30%	1.1	1.0	1.1	1.4	1.5	1.4	0.9	0.9	0.9	1.1	1.2	1.3
40%	1.1	1.0	1.0	1.2	1.2	1.2	0.9	0.9	0.9	1.1	1.2	1.2
50%	1.0	1.0	1.0	1.0	1.1	1.2	0.9	0.9	0.9	1.1	1.2	1.2
60%	1.0	0.9	1.0	1.0	1.0	1.0	0.8	0.8	0.9	1.0	1.1	1.2
70%	1.0	0.9	0.9	0.9	1.0	0.9	0.8	0.8	0.9	1.0	1.1	1.2
80%	1.0	0.8	0.8	0.8	0.9	0.8	0.8	0.7	0.9	0.9	1.1	1.1
90%	1.0	0.8	0.7	0.8	0.8	0.8	0.6	0.7	0.8	0.9	1.0	1.1
Long Term												
Full Simulation Period[a]	1.1	1.0	1.1	1.2	1.4	1.3	1.0	0.9	1.0	1.1	1.2	1.3
Water Year Types[b]												
Wet (31%)	1.2	1.4	1.6	1.6	2.2	2.2	1.5	1.2	1.2	1.3	1.3	1.6
Above Normal (25%)	1.0	0.9	1.0	1.9	2.1	1.7	1.2	1.0	0.9	1.0	1.2	1.2
Below Normal (6%)	1.1	1.0	0.8	1.2	1.3	1.3	0.9	0.9	0.9	0.9	1.1	1.1
Dry (13%)	1.0	0.9	0.9	0.9	0.9	1.0	0.8	0.8	0.9	1.0	1.1	1.1
Critical (25%)	1.0	0.9	0.9	0.9	0.9	0.8	0.7	0.7	0.8	1.0	1.2	1.2

Alternative 7 (LLT) minus Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.9
20%	1.8	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
30%	1.9	1.8	1.9	1.8	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.8
40%	1.8	1.9	1.9	1.8	1.8	1.7	1.8	1.7	1.8	1.8	1.8	1.8
50%	1.8	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
60%	1.8	1.8	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
70%	1.8	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
80%	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
90%	1.9	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
Long Term												
Full Simulation Period[a]	1.8	1.9	1.9	1.8	1.8	1.8	1.7	1.8	1.8	1.8	1.8	1.8
Water Year Types[b]												
Wet (31%)	1.9	1.8	1.9	1.8	1.8	1.7	1.7	1.7	1.7	1.7	1.8	1.9
Above Normal (25%)	1.8	1.8	1.9	1.8	1.8	1.7	1.7	1.7	1.8	1.8	1.8	1.9
Below Normal (6%)	1.8	1.9	1.9	1.8	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8
Dry (13%)	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
Critical (25%)	1.8	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-28-2-12. Mokelumne River at Terminous, Monthly Averaged Daily Minimum Elevation

Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	-0.5	-0.4	-0.1	0.1	0.8	0.4	0.0	-0.5	-0.7	-0.5	-0.5	-0.3
20%	-0.7	-0.7	-0.7	-0.2	0.1	0.0	-0.7	-0.8	-0.8	-0.7	-0.5	-0.5
30%	-0.8	-0.8	-0.9	-0.4	-0.3	-0.3	-0.8	-0.8	-0.9	-0.7	-0.5	-0.5
40%	-0.8	-0.9	-0.9	-0.7	-0.6	-0.6	-0.8	-0.9	-0.9	-0.8	-0.6	-0.6
50%	-0.8	-0.9	-0.9	-0.8	-0.8	-0.6	-0.9	-0.9	-0.9	-0.8	-0.6	-0.6
60%	-0.8	-1.0	-0.9	-0.9	-0.8	-0.7	-0.9	-1.0	-0.9	-0.8	-0.6	-0.6
70%	-0.8	-1.0	-1.0	-0.9	-0.8	-0.9	-1.0	-1.0	-0.9	-0.8	-0.7	-0.7
80%	-0.9	-1.1	-1.1	-1.0	-1.0	-1.0	-1.0	-1.1	-0.9	-0.9	-0.7	-0.7
90%	-0.9	-1.1	-1.2	-1.1	-1.0	-1.0	-1.2	-1.1	-1.0	-0.9	-0.8	-0.7
Long Term												
Full Simulation Period[a]	-0.8	-0.8	-0.8	-0.6	-0.4	-0.4	-0.7	-0.8	-0.8	-0.7	-0.6	-0.5
Water Year Types[b]												
Wet (31%)	-0.6	-0.4	-0.2	-0.2	0.4	0.5	-0.2	-0.5	-0.5	-0.5	-0.5	-0.3
Above Normal (25%)	-0.8	-1.0	-0.9	0.1	0.3	0.0	-0.5	-0.7	-0.9	-0.7	-0.6	-0.7
Below Normal (6%)	-0.7	-0.9	-1.1	-0.6	-0.5	-0.5	-0.8	-0.9	-0.9	-0.9	-0.7	-0.7
Dry (13%)	-0.9	-1.0	-1.0	-1.0	-0.9	-0.8	-1.0	-1.0	-0.9	-0.8	-0.7	-0.7
Critical (25%)	-0.8	-0.9	-1.0	-1.0	-0.9	-1.0	-1.0	-1.1	-1.0	-0.8	-0.6	-0.6

Alternative 8 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.3	1.5	1.7	1.9	2.5	2.0	1.7	1.2	1.1	1.3	1.3	1.6
20%	1.1	1.1	1.1	1.6	1.9	1.8	1.1	1.0	1.0	1.1	1.3	1.3
30%	1.1	1.0	1.1	1.4	1.5	1.4	1.0	0.9	0.9	1.1	1.2	1.3
40%	1.1	1.0	1.0	1.2	1.2	1.2	0.9	0.9	0.9	1.1	1.2	1.2
50%	1.0	1.0	1.0	1.0	1.1	1.2	0.9	0.9	0.9	1.1	1.2	1.2
60%	1.0	0.9	1.0	1.0	1.0	1.1	0.8	0.8	0.9	1.1	1.1	1.2
70%	1.0	0.8	0.9	0.9	1.0	0.9	0.8	0.8	0.9	1.0	1.1	1.2
80%	1.0	0.8	0.8	0.8	0.9	0.8	0.8	0.7	0.9	1.0	1.1	1.1
90%	1.0	0.8	0.7	0.8	0.8	0.8	0.6	0.7	0.8	0.9	1.0	1.1
Long Term												
Full Simulation Period[a]	1.1	1.0	1.1	1.2	1.4	1.4	1.0	0.9	1.0	1.1	1.2	1.3
Water Year Types[b]												
Wet (31%)	1.2	1.4	1.6	1.6	2.2	2.2	1.5	1.2	1.2	1.3	1.3	1.6
Above Normal (25%)	1.0	0.9	1.0	1.9	2.1	1.7	1.2	1.0	0.9	1.1	1.2	1.2
Below Normal (6%)	1.1	1.0	0.8	1.3	1.3	1.3	0.9	0.9	0.9	1.0	1.1	1.1
Dry (13%)	1.0	0.9	0.9	0.9	0.9	1.0	0.8	0.8	0.9	1.0	1.1	1.1
Critical (25%)	1.0	0.9	0.9	0.9	0.9	0.8	0.7	0.7	0.8	1.1	1.2	1.2

Alternative 8 (LLT) minus Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.9
20%	1.9	1.9	1.8	1.8	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8
30%	1.9	1.8	1.9	1.8	1.8	1.7	1.7	1.8	1.8	1.8	1.8	1.8
40%	1.8	1.9	1.9	1.8	1.8	1.8	1.8	1.7	1.8	1.9	1.8	1.8
50%	1.8	1.9	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
60%	1.8	1.8	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
70%	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
80%	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.9	1.8	1.8
90%	1.9	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
Long Term												
Full Simulation Period[a]	1.8	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
Water Year Types[b]												
Wet (31%)	1.8	1.8	1.9	1.8	1.8	1.7	1.7	1.7	1.7	1.7	1.8	1.9
Above Normal (25%)	1.8	1.8	1.9	1.8	1.8	1.7	1.7	1.8	1.8	1.8	1.8	1.9
Below Normal (6%)	1.9	1.9	1.9	1.8	1.8	1.8	1.7	1.7	1.8	1.8	1.8	1.8
Dry (13%)	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.9	1.8	1.8
Critical (25%)	1.8	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-28-2-13. Mokelumne River at Terminous, Monthly Averaged Daily Minimum Elevation

Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	-0.5	-0.4	-0.1	0.1	0.8	0.4	0.0	-0.5	-0.7	-0.5	-0.5	-0.3
20%	-0.7	-0.7	-0.7	-0.2	0.1	0.0	-0.7	-0.8	-0.8	-0.7	-0.5	-0.5
30%	-0.8	-0.8	-0.9	-0.4	-0.3	-0.3	-0.8	-0.8	-0.9	-0.7	-0.5	-0.5
40%	-0.8	-0.9	-0.9	-0.7	-0.6	-0.6	-0.8	-0.9	-0.9	-0.8	-0.6	-0.6
50%	-0.8	-0.9	-0.9	-0.8	-0.8	-0.6	-0.9	-0.9	-0.9	-0.8	-0.6	-0.6
60%	-0.8	-1.0	-0.9	-0.9	-0.8	-0.7	-0.9	-1.0	-0.9	-0.8	-0.6	-0.6
70%	-0.8	-1.0	-1.0	-0.9	-0.8	-0.9	-1.0	-1.0	-0.9	-0.8	-0.7	-0.7
80%	-0.9	-1.1	-1.1	-1.0	-1.0	-1.0	-1.0	-1.1	-0.9	-0.9	-0.7	-0.7
90%	-0.9	-1.1	-1.2	-1.1	-1.0	-1.0	-1.2	-1.1	-1.0	-0.9	-0.8	-0.7
Long Term												
Full Simulation Period[a]	-0.8	-0.8	-0.8	-0.6	-0.4	-0.4	-0.7	-0.8	-0.8	-0.7	-0.6	-0.5
Water Year Types[b]												
Wet (31%)	-0.6	-0.4	-0.2	-0.2	0.4	0.5	-0.2	-0.5	-0.5	-0.5	-0.5	-0.3
Above Normal (25%)	-0.8	-1.0	-0.9	0.1	0.3	0.0	-0.5	-0.7	-0.9	-0.7	-0.6	-0.7
Below Normal (6%)	-0.7	-0.9	-1.1	-0.6	-0.5	-0.5	-0.8	-0.9	-0.9	-0.9	-0.7	-0.7
Dry (13%)	-0.9	-1.0	-1.0	-1.0	-0.9	-0.8	-1.0	-1.0	-0.9	-0.8	-0.7	-0.7
Critical (25%)	-0.8	-0.9	-1.0	-1.0	-0.9	-1.0	-1.0	-1.1	-1.0	-0.8	-0.6	-0.6

Alternative 9 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.2	1.4	1.6	1.9	2.5	2.0	1.7	1.2	1.1	1.4	1.3	1.6
20%	1.2	1.1	1.1	1.6	1.9	1.8	1.1	1.0	0.9	1.2	1.3	1.3
30%	1.1	1.0	1.0	1.4	1.5	1.5	1.0	0.9	0.9	1.1	1.3	1.3
40%	1.0	1.0	1.0	1.2	1.2	1.2	0.9	0.9	0.9	1.1	1.3	1.2
50%	1.0	0.9	1.0	1.0	1.1	1.2	0.9	0.8	0.9	1.1	1.2	1.2
60%	1.0	0.8	0.9	1.0	1.0	1.0	0.9	0.8	0.9	1.1	1.2	1.2
70%	1.0	0.8	0.8	0.9	1.0	0.9	0.8	0.8	0.9	1.1	1.1	1.2
80%	1.0	0.8	0.7	0.8	0.9	0.8	0.8	0.7	0.8	1.0	1.1	1.1
90%	0.9	0.7	0.6	0.7	0.8	0.8	0.6	0.6	0.8	1.0	1.1	1.1
Long Term												
Full Simulation Period[a]	1.1	1.0	1.0	1.2	1.4	1.4	1.0	0.9	0.9	1.1	1.2	1.3
Water Year Types[b]												
Wet (31%)	1.2	1.3	1.6	1.6	2.1	2.2	1.5	1.2	1.2	1.3	1.3	1.5
Above Normal (25%)	1.0	0.8	1.0	1.9	2.2	1.7	1.2	1.0	0.8	1.1	1.2	1.3
Below Normal (6%)	1.2	1.0	0.7	1.3	1.3	1.3	1.0	0.8	0.9	1.0	1.1	1.1
Dry (13%)	1.0	0.8	0.8	0.9	0.9	1.0	0.8	0.9	0.9	1.1	1.2	1.2
Critical (25%)	1.0	0.9	0.9	0.9	0.9	0.8	0.7	0.7	0.8	1.1	1.2	1.2

Alternative 9 (LLT) minus Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.8	1.7	1.8	1.8	1.7	1.7	1.7	1.7	1.7	1.9	1.8	1.9
20%	1.9	1.8	1.8	1.8	1.9	1.8	1.8	1.8	1.7	1.8	1.8	1.8
30%	1.8	1.8	1.9	1.8	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8
40%	1.8	1.9	1.8	1.8	1.8	1.8	1.8	1.7	1.8	1.9	1.9	1.8
50%	1.8	1.8	1.8	1.9	1.9	1.8	1.8	1.8	1.8	1.9	1.8	1.8
60%	1.8	1.8	1.8	1.9	1.8	1.8	1.8	1.8	1.8	1.9	1.8	1.8
70%	1.8	1.8	1.8	1.9	1.8	1.8	1.8	1.8	1.8	1.9	1.8	1.8
80%	1.8	1.8	1.8	1.9	1.8	1.8	1.8	1.8	1.8	1.9	1.8	1.8
90%	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.8	1.9	1.8
Long Term												
Full Simulation Period[a]	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.8	1.8	1.8
Water Year Types[b]												
Wet (31%)	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.8	1.8
Above Normal (25%)	1.8	1.8	1.9	1.8	1.8	1.8	1.7	1.7	1.7	1.8	1.8	1.9
Below Normal (6%)	1.9	1.9	1.8	1.9	1.8	1.8	1.7	1.7	1.8	1.8	1.8	1.8
Dry (13%)	1.8	1.8	1.8	1.9	1.8	1.8	1.8	1.8	1.8	1.9	1.9	1.8
Critical (25%)	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.9	1.8	1.8

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-28-2-14. Mokelumne River at Terminous, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0.8	0.9	1.1	1.4	2.1	1.6	1.3	0.8	0.6	0.8	0.9	1.0
20%	0.6	0.5	0.6	1.1	1.4	1.4	0.6	0.5	0.5	0.7	0.8	0.9
30%	0.6	0.5	0.5	0.9	1.0	1.0	0.5	0.4	0.4	0.6	0.7	0.8
40%	0.6	0.5	0.4	0.6	0.7	0.7	0.5	0.4	0.4	0.6	0.7	0.8
50%	0.6	0.4	0.4	0.5	0.5	0.7	0.4	0.4	0.4	0.6	0.7	0.7
60%	0.5	0.3	0.4	0.4	0.5	0.6	0.4	0.3	0.4	0.5	0.6	0.7
70%	0.5	0.3	0.3	0.4	0.5	0.4	0.3	0.3	0.4	0.5	0.6	0.7
80%	0.5	0.3	0.2	0.2	0.3	0.3	0.3	0.2	0.4	0.5	0.6	0.7
90%	0.5	0.2	0.1	0.2	0.3	0.2	0.1	0.2	0.3	0.5	0.5	0.6
Long Term												
Full Simulation Period[a]	0.6	0.5	0.5	0.7	0.9	0.9	0.5	0.4	0.4	0.6	0.7	0.8
Water Year Types[b]												
Wet (31%)	0.7	0.8	1.1	1.1	1.7	1.8	1.0	0.7	0.7	0.8	0.8	1.0
Above Normal (25%)	0.6	0.3	0.5	1.4	1.7	1.3	0.7	0.6	0.4	0.6	0.7	0.7
Below Normal (6%)	0.6	0.5	0.2	0.7	0.8	0.8	0.5	0.4	0.4	0.4	0.6	0.6
Dry (13%)	0.5	0.3	0.3	0.3	0.4	0.5	0.3	0.3	0.4	0.5	0.6	0.7
Critical (25%)	0.5	0.4	0.3	0.3	0.4	0.3	0.3	0.2	0.3	0.6	0.7	0.7

Alternative 1A,1B,1C (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.2	1.4	1.6	1.8	2.6	2.1	1.7	1.2	1.1	1.3	1.3	1.4
20%	1.1	1.0	1.1	1.6	1.9	1.8	1.0	1.0	1.0	1.1	1.3	1.3
30%	1.1	1.0	1.0	1.3	1.5	1.5	0.9	0.9	0.9	1.1	1.2	1.2
40%	1.0	0.9	0.9	1.1	1.2	1.2	0.9	0.9	0.9	1.1	1.2	1.2
50%	1.0	0.9	0.9	1.0	1.0	1.1	0.9	0.8	0.9	1.1	1.1	1.2
60%	1.0	0.8	0.9	0.9	1.0	1.0	0.8	0.8	0.9	1.0	1.1	1.2
70%	1.0	0.8	0.8	0.9	0.9	0.9	0.8	0.8	0.9	1.0	1.1	1.1
80%	1.0	0.8	0.7	0.8	0.8	0.7	0.7	0.7	0.8	1.0	1.1	1.1
90%	0.9	0.7	0.6	0.7	0.8	0.7	0.6	0.6	0.8	0.9	1.0	1.0
Long Term												
Full Simulation Period[a]	1.1	1.0	1.0	1.2	1.4	1.3	1.0	0.9	0.9	1.1	1.2	1.2
Water Year Types[b]												
Wet (31%)	1.2	1.3	1.6	1.6	2.2	2.2	1.4	1.2	1.2	1.3	1.3	1.4
Above Normal (25%)	1.0	0.8	0.9	1.8	2.2	1.7	1.1	1.0	0.9	1.0	1.2	1.1
Below Normal (6%)	1.1	0.9	0.7	1.2	1.3	1.3	0.9	0.8	0.9	1.0	1.1	1.1
Dry (13%)	1.0	0.8	0.8	0.8	0.8	1.0	0.8	0.8	0.9	1.0	1.1	1.1
Critical (25%)	1.0	0.9	0.8	0.8	0.9	0.8	0.7	0.7	0.8	1.1	1.2	1.2

Alternative 1A,1B,1C (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0.5	0.5	0.6	0.5	0.4	0.5	0.4	0.4	0.5	0.5	0.4	0.4
20%	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.5	0.5	0.5	0.5	0.4
30%	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.5	0.5	0.5	0.4
40%	0.5	0.4	0.5	0.5	0.5	0.4	0.4	0.5	0.5	0.5	0.5	0.4
50%	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4
60%	0.4	0.5	0.5	0.5	0.5	0.4	0.4	0.5	0.5	0.5	0.5	0.4
70%	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4
80%	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.5	0.5	0.5	0.5	0.4
90%	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4
Long Term												
Full Simulation Period[a]	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.5	0.5	0.5	0.5	0.4
Water Year Types[b]												
Wet (31%)	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.5	0.5	0.5	0.4
Above Normal (25%)	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.5	0.5	0.5	0.4
Below Normal (6%)	0.5	0.4	0.5	0.5	0.5	0.5	0.4	0.4	0.5	0.5	0.4	0.5
Dry (13%)	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Critical (25%)	0.5	0.5	0.5	0.5	0.5	0.4	0.5	0.5	0.5	0.5	0.4	0.5

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-28-2-15. Mokelumne River at Terminous, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0.8	0.9	1.1	1.4	2.1	1.6	1.3	0.8	0.6	0.8	0.9	1.0
20%	0.6	0.5	0.6	1.1	1.4	1.4	0.6	0.5	0.5	0.7	0.8	0.9
30%	0.6	0.5	0.5	0.9	1.0	1.0	0.5	0.4	0.4	0.6	0.7	0.8
40%	0.6	0.5	0.4	0.6	0.7	0.7	0.5	0.4	0.4	0.6	0.7	0.8
50%	0.6	0.4	0.4	0.5	0.5	0.7	0.4	0.4	0.4	0.6	0.7	0.7
60%	0.5	0.3	0.4	0.4	0.5	0.6	0.4	0.3	0.4	0.5	0.6	0.7
70%	0.5	0.3	0.3	0.4	0.5	0.4	0.3	0.3	0.4	0.5	0.6	0.7
80%	0.5	0.3	0.2	0.2	0.3	0.3	0.3	0.2	0.4	0.5	0.6	0.7
90%	0.5	0.2	0.1	0.2	0.3	0.2	0.1	0.2	0.3	0.5	0.5	0.6
Long Term												
Full Simulation Period[a]	0.6	0.5	0.5	0.7	0.9	0.9	0.5	0.4	0.4	0.6	0.7	0.8
Water Year Types[b]												
Wet (31%)	0.7	0.8	1.1	1.1	1.7	1.8	1.0	0.7	0.7	0.8	0.8	1.0
Above Normal (25%)	0.6	0.3	0.5	1.4	1.7	1.3	0.7	0.6	0.4	0.6	0.7	0.7
Below Normal (6%)	0.6	0.5	0.2	0.7	0.8	0.8	0.5	0.4	0.4	0.4	0.6	0.6
Dry (13%)	0.5	0.3	0.3	0.3	0.4	0.5	0.3	0.3	0.4	0.5	0.6	0.7
Critical (25%)	0.5	0.4	0.3	0.3	0.4	0.3	0.3	0.2	0.3	0.6	0.7	0.7

Alternative 2A,2B,2C (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.2	1.4	1.6	1.8	2.6	2.1	1.7	1.2	1.1	1.3	1.3	1.5
20%	1.1	1.0	1.0	1.6	1.9	1.8	1.1	1.0	0.9	1.1	1.3	1.3
30%	1.1	1.0	1.0	1.3	1.5	1.4	0.9	0.9	0.9	1.1	1.2	1.3
40%	1.1	1.0	1.0	1.1	1.2	1.2	0.9	0.9	0.9	1.1	1.2	1.2
50%	1.0	0.9	0.9	1.0	1.0	1.1	0.9	0.8	0.9	1.0	1.1	1.2
60%	1.0	0.8	0.9	1.0	1.0	1.0	0.8	0.8	0.9	1.0	1.1	1.2
70%	1.0	0.8	0.8	0.9	0.9	0.9	0.8	0.8	0.8	1.0	1.1	1.2
80%	1.0	0.8	0.7	0.8	0.8	0.7	0.8	0.7	0.8	0.9	1.0	1.1
90%	0.9	0.8	0.6	0.8	0.8	0.7	0.6	0.6	0.8	0.9	1.0	1.0
Long Term												
Full Simulation Period[a]	1.1	1.0	1.0	1.2	1.4	1.3	1.0	0.9	0.9	1.1	1.2	1.3
Water Year Types[b]												
Wet (31%)	1.2	1.3	1.6	1.6	2.2	2.2	1.5	1.2	1.2	1.3	1.3	1.5
Above Normal (25%)	1.0	0.8	1.0	1.8	2.1	1.7	1.1	1.0	0.9	1.0	1.1	1.2
Below Normal (6%)	1.1	0.9	0.7	1.2	1.2	1.2	0.9	0.8	0.9	0.9	1.0	1.1
Dry (13%)	1.0	0.8	0.9	0.8	0.9	0.9	0.8	0.8	0.9	1.0	1.1	1.1
Critical (25%)	1.0	0.9	0.8	0.9	0.9	0.8	0.7	0.7	0.8	1.1	1.1	1.2

Alternative 2A,2B,2C (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.4	0.5
20%	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.5	0.4
30%	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.5	0.5	0.4	0.5	0.4
40%	0.5	0.5	0.5	0.5	0.5	0.4	0.5	0.5	0.5	0.5	0.5	0.4
50%	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.5
60%	0.4	0.5	0.5	0.6	0.5	0.4	0.5	0.5	0.5	0.5	0.5	0.5
70%	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
80%	0.5	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4
90%	0.5	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4
Long Term												
Full Simulation Period[a]	0.5	0.5	0.5	0.5	0.5	0.4	0.5	0.5	0.5	0.5	0.5	0.5
Water Year Types[b]												
Wet (31%)	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.5	0.5	0.5	0.5
Above Normal (25%)	0.4	0.5	0.5	0.4	0.4	0.5	0.4	0.4	0.5	0.4	0.5	0.5
Below Normal (6%)	0.4	0.5	0.5	0.5	0.4	0.4	0.4	0.5	0.4	0.5	0.4	0.5
Dry (13%)	0.5	0.5	0.6	0.5	0.5	0.4	0.5	0.5	0.5	0.5	0.5	0.4
Critical (25%)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.5

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-28-2-16. Mokelumne River at Terminous, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0.8	0.9	1.1	1.4	2.1	1.6	1.3	0.8	0.6	0.8	0.9	1.0
20%	0.6	0.5	0.6	1.1	1.4	1.4	0.6	0.5	0.5	0.7	0.8	0.9
30%	0.6	0.5	0.5	0.9	1.0	1.0	0.5	0.4	0.4	0.6	0.7	0.8
40%	0.6	0.5	0.4	0.6	0.7	0.7	0.5	0.4	0.4	0.6	0.7	0.8
50%	0.6	0.4	0.4	0.5	0.5	0.7	0.4	0.4	0.4	0.6	0.7	0.7
60%	0.5	0.3	0.4	0.4	0.5	0.6	0.4	0.3	0.4	0.5	0.6	0.7
70%	0.5	0.3	0.3	0.4	0.5	0.4	0.3	0.3	0.4	0.5	0.6	0.7
80%	0.5	0.3	0.2	0.2	0.3	0.3	0.3	0.2	0.4	0.5	0.6	0.7
90%	0.5	0.2	0.1	0.2	0.3	0.2	0.1	0.2	0.3	0.5	0.5	0.6
Long Term												
Full Simulation Period[a]	0.6	0.5	0.5	0.7	0.9	0.9	0.5	0.4	0.4	0.6	0.7	0.8
Water Year Types[b]												
Wet (31%)	0.7	0.8	1.1	1.1	1.7	1.8	1.0	0.7	0.7	0.8	0.8	1.0
Above Normal (25%)	0.6	0.3	0.5	1.4	1.7	1.3	0.7	0.6	0.4	0.6	0.7	0.7
Below Normal (6%)	0.6	0.5	0.2	0.7	0.8	0.8	0.5	0.4	0.4	0.4	0.6	0.6
Dry (13%)	0.5	0.3	0.3	0.3	0.4	0.5	0.3	0.3	0.4	0.5	0.6	0.7
Critical (25%)	0.5	0.4	0.3	0.3	0.4	0.3	0.3	0.2	0.3	0.6	0.7	0.7

Alternative 3 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.3	1.4	1.6	1.8	2.6	2.1	1.7	1.2	1.1	1.3	1.3	1.4
20%	1.1	1.0	1.0	1.6	1.9	1.8	1.0	1.0	0.9	1.1	1.3	1.3
30%	1.1	1.0	1.0	1.3	1.5	1.4	0.9	0.9	0.9	1.1	1.2	1.2
40%	1.0	0.9	0.9	1.1	1.2	1.1	0.9	0.9	0.9	1.1	1.2	1.2
50%	1.0	0.9	0.9	1.0	1.0	1.1	0.9	0.8	0.9	1.1	1.2	1.2
60%	1.0	0.8	0.9	0.9	1.0	1.0	0.8	0.8	0.9	1.0	1.1	1.2
70%	1.0	0.8	0.8	0.9	0.9	0.9	0.8	0.8	0.9	1.0	1.1	1.1
80%	1.0	0.8	0.7	0.8	0.8	0.7	0.7	0.7	0.8	1.0	1.1	1.1
90%	0.9	0.7	0.6	0.8	0.8	0.7	0.6	0.6	0.8	0.9	1.0	1.0
Long Term												
Full Simulation Period[a]	1.1	1.0	1.0	1.2	1.4	1.3	1.0	0.9	0.9	1.1	1.2	1.2
Water Year Types[b]												
Wet (31%)	1.2	1.3	1.6	1.6	2.2	2.2	1.4	1.2	1.2	1.3	1.3	1.4
Above Normal (25%)	1.0	0.8	0.9	1.8	2.1	1.7	1.1	1.0	0.9	1.0	1.2	1.1
Below Normal (6%)	1.1	0.9	0.7	1.2	1.2	1.3	0.9	0.8	0.9	1.0	1.1	1.1
Dry (13%)	1.0	0.8	0.8	0.8	0.8	1.0	0.8	0.8	0.9	1.0	1.1	1.1
Critical (25%)	1.0	0.9	0.8	0.9	0.9	0.8	0.7	0.7	0.8	1.1	1.2	1.2

Alternative 3 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.4
20%	0.5	0.5	0.5	0.5	0.4	0.5	0.4	0.5	0.5	0.5	0.5	0.4
30%	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.5	0.5	0.5	0.4
40%	0.5	0.4	0.5	0.5	0.5	0.4	0.4	0.5	0.5	0.5	0.5	0.4
50%	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
60%	0.4	0.5	0.5	0.5	0.5	0.5	0.4	0.5	0.5	0.5	0.5	0.5
70%	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
80%	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.5	0.5	0.5	0.5	0.4
90%	0.5	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4
Long Term												
Full Simulation Period[a]	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.5	0.5	0.5	0.5	0.4
Water Year Types[b]												
Wet (31%)	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.5	0.5	0.5	0.4
Above Normal (25%)	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.4
Below Normal (6%)	0.5	0.4	0.5	0.5	0.5	0.5	0.4	0.4	0.5	0.5	0.5	0.5
Dry (13%)	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Critical (25%)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.5

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-28-2-17. Mokelumne River at Terminous, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0.8	0.9	1.1	1.4	2.1	1.6	1.3	0.8	0.6	0.8	0.9	1.0
20%	0.6	0.5	0.6	1.1	1.4	1.4	0.6	0.5	0.5	0.7	0.8	0.9
30%	0.6	0.5	0.5	0.9	1.0	1.0	0.5	0.4	0.4	0.6	0.7	0.8
40%	0.6	0.5	0.4	0.6	0.7	0.7	0.5	0.4	0.4	0.6	0.7	0.8
50%	0.6	0.4	0.4	0.5	0.5	0.7	0.4	0.4	0.4	0.6	0.7	0.7
60%	0.5	0.3	0.4	0.4	0.5	0.6	0.4	0.3	0.4	0.5	0.6	0.7
70%	0.5	0.3	0.3	0.4	0.5	0.4	0.3	0.3	0.4	0.5	0.6	0.7
80%	0.5	0.3	0.2	0.2	0.3	0.3	0.3	0.2	0.4	0.5	0.6	0.7
90%	0.5	0.2	0.1	0.2	0.3	0.2	0.1	0.2	0.3	0.5	0.5	0.6
Long Term												
Full Simulation Period[a]	0.6	0.5	0.5	0.7	0.9	0.9	0.5	0.4	0.4	0.6	0.7	0.8
Water Year Types[b]												
Wet (31%)	0.7	0.8	1.1	1.1	1.7	1.8	1.0	0.7	0.7	0.8	0.8	1.0
Above Normal (25%)	0.6	0.3	0.5	1.4	1.7	1.3	0.7	0.6	0.4	0.6	0.7	0.7
Below Normal (6%)	0.6	0.5	0.2	0.7	0.8	0.8	0.5	0.4	0.4	0.4	0.6	0.6
Dry (13%)	0.5	0.3	0.3	0.3	0.4	0.5	0.3	0.3	0.4	0.5	0.6	0.7
Critical (25%)	0.5	0.4	0.3	0.3	0.4	0.3	0.3	0.2	0.3	0.6	0.7	0.7

Alternative 4 H1 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.2	1.4	1.6	1.8	2.6	2.1	1.7	1.2	1.1	1.3	1.3	1.4
20%	1.1	1.1	1.0	1.6	1.9	1.8	1.1	1.0	0.9	1.1	1.3	1.3
30%	1.1	1.0	1.0	1.3	1.5	1.4	0.9	0.9	0.9	1.1	1.2	1.2
40%	1.1	0.9	1.0	1.1	1.2	1.2	0.9	0.9	0.9	1.1	1.2	1.2
50%	1.0	0.9	0.9	1.0	1.0	1.1	0.9	0.8	0.9	1.0	1.1	1.2
60%	1.0	0.8	0.9	1.0	1.0	1.0	0.8	0.8	0.9	1.0	1.1	1.1
70%	1.0	0.8	0.8	0.9	0.9	0.9	0.8	0.8	0.8	1.0	1.1	1.1
80%	0.9	0.8	0.7	0.8	0.8	0.7	0.8	0.7	0.8	0.9	1.0	1.1
90%	0.9	0.7	0.6	0.8	0.8	0.7	0.6	0.6	0.8	0.9	1.0	1.0
Long Term												
Full Simulation Period[a]	1.0	1.0	1.0	1.2	1.4	1.3	1.0	0.9	0.9	1.1	1.2	1.2
Water Year Types[b]												
Wet (31%)	1.2	1.3	1.6	1.6	2.2	2.2	1.5	1.2	1.2	1.2	1.3	1.4
Above Normal (25%)	1.0	0.8	1.0	1.8	2.1	1.7	1.1	1.0	0.9	1.0	1.1	1.1
Below Normal (6%)	1.1	0.9	0.7	1.2	1.2	1.3	0.9	0.8	0.9	0.9	1.0	1.1
Dry (13%)	1.0	0.8	0.9	0.8	0.9	1.0	0.8	0.8	0.9	1.0	1.1	1.1
Critical (25%)	1.0	0.8	0.8	0.9	0.9	0.8	0.7	0.7	0.8	1.1	1.1	1.2

Alternative 4 H1 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.4	0.4
20%	0.5	0.5	0.5	0.5	0.4	0.5	0.5	0.5	0.5	0.4	0.5	0.4
30%	0.4	0.5	0.5	0.5	0.5	0.4	0.4	0.5	0.5	0.4	0.5	0.4
40%	0.5	0.4	0.5	0.5	0.5	0.4	0.5	0.5	0.5	0.5	0.5	0.4
50%	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4
60%	0.4	0.5	0.5	0.6	0.5	0.5	0.4	0.5	0.5	0.5	0.5	0.4
70%	0.4	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4
80%	0.5	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4
90%	0.5	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4
Long Term												
Full Simulation Period[a]	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4
Water Year Types[b]												
Wet (31%)	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.5	0.5	0.4	0.5	0.4
Above Normal (25%)	0.4	0.5	0.5	0.4	0.4	0.5	0.4	0.4	0.5	0.4	0.5	0.4
Below Normal (6%)	0.5	0.4	0.5	0.5	0.4	0.4	0.4	0.5	0.5	0.5	0.4	0.5
Dry (13%)	0.4	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4
Critical (25%)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-28-2-18. Mokelumne River at Terminous, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0.8	0.9	1.1	1.4	2.1	1.6	1.3	0.8	0.6	0.8	0.9	1.0
20%	0.6	0.5	0.6	1.1	1.4	1.4	0.6	0.5	0.5	0.7	0.8	0.9
30%	0.6	0.5	0.5	0.9	1.0	1.0	0.5	0.4	0.4	0.6	0.7	0.8
40%	0.6	0.5	0.4	0.6	0.7	0.7	0.5	0.4	0.4	0.6	0.7	0.8
50%	0.6	0.4	0.4	0.5	0.5	0.7	0.4	0.4	0.4	0.6	0.7	0.7
60%	0.5	0.3	0.4	0.4	0.5	0.6	0.4	0.3	0.4	0.5	0.6	0.7
70%	0.5	0.3	0.3	0.4	0.5	0.4	0.3	0.3	0.4	0.5	0.6	0.7
80%	0.5	0.3	0.2	0.2	0.3	0.3	0.3	0.2	0.4	0.5	0.6	0.7
90%	0.5	0.2	0.1	0.2	0.3	0.2	0.1	0.2	0.3	0.5	0.5	0.6
Long Term												
Full Simulation Period[a]	0.6	0.5	0.5	0.7	0.9	0.9	0.5	0.4	0.4	0.6	0.7	0.8
Water Year Types[b]												
Wet (31%)	0.7	0.8	1.1	1.1	1.7	1.8	1.0	0.7	0.7	0.8	0.8	1.0
Above Normal (25%)	0.6	0.3	0.5	1.4	1.7	1.3	0.7	0.6	0.4	0.6	0.7	0.7
Below Normal (6%)	0.6	0.5	0.2	0.7	0.8	0.8	0.5	0.4	0.4	0.4	0.6	0.6
Dry (13%)	0.5	0.3	0.3	0.3	0.4	0.5	0.3	0.3	0.4	0.5	0.6	0.7
Critical (25%)	0.5	0.4	0.3	0.3	0.4	0.3	0.3	0.2	0.3	0.6	0.7	0.7

Alternative 4 H2 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.2	1.4	1.6	1.8	2.6	2.1	1.7	1.2	1.1	1.3	1.3	1.4
20%	1.1	1.1	1.0	1.6	1.9	1.8	1.1	1.0	0.9	1.1	1.3	1.3
30%	1.1	1.0	1.0	1.3	1.5	1.4	1.0	0.9	0.9	1.1	1.2	1.2
40%	1.1	0.9	1.0	1.1	1.2	1.2	0.9	0.9	0.9	1.1	1.2	1.2
50%	1.0	0.9	0.9	1.0	1.0	1.1	0.9	0.8	0.9	1.1	1.1	1.2
60%	1.0	0.8	0.9	1.0	1.0	1.0	0.9	0.8	0.9	1.0	1.1	1.1
70%	1.0	0.8	0.8	0.9	0.9	0.9	0.8	0.8	0.8	1.0	1.1	1.1
80%	1.0	0.8	0.7	0.8	0.8	0.8	0.8	0.7	0.8	1.0	1.0	1.1
90%	0.9	0.7	0.7	0.8	0.8	0.7	0.6	0.6	0.8	0.9	1.0	1.0
Long Term												
Full Simulation Period[a]	1.0	1.0	1.1	1.2	1.4	1.3	1.0	0.9	0.9	1.1	1.2	1.2
Water Year Types[b]												
Wet (31%)	1.2	1.3	1.6	1.6	2.2	2.2	1.5	1.2	1.2	1.3	1.3	1.4
Above Normal (25%)	1.0	0.8	1.0	1.8	2.2	1.7	1.2	1.0	0.9	1.1	1.2	1.1
Below Normal (6%)	1.1	0.9	0.7	1.2	1.2	1.2	0.9	0.8	0.9	0.9	1.0	1.1
Dry (13%)	1.0	0.8	0.9	0.8	0.9	1.0	0.8	0.8	0.9	1.0	1.1	1.1
Critical (25%)	1.0	0.8	0.8	0.9	0.9	0.8	0.7	0.7	0.8	1.1	1.1	1.2

Alternative 4 H2 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0.5	0.5	0.6	0.5	0.4	0.5	0.4	0.4	0.5	0.5	0.4	0.4
20%	0.4	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.5	0.4
30%	0.4	0.5	0.5	0.5	0.5	0.4	0.5	0.5	0.5	0.5	0.5	0.4
40%	0.5	0.4	0.5	0.5	0.5	0.4	0.5	0.5	0.5	0.5	0.5	0.4
50%	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4
60%	0.4	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4
70%	0.4	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4
80%	0.5	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4
90%	0.5	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4
Long Term												
Full Simulation Period[a]	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4
Water Year Types[b]												
Wet (31%)	0.5	0.5	0.5	0.5	0.5	0.4	0.5	0.5	0.5	0.5	0.5	0.4
Above Normal (25%)	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4
Below Normal (6%)	0.4	0.4	0.5	0.5	0.5	0.4	0.4	0.5	0.5	0.5	0.4	0.5
Dry (13%)	0.4	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4
Critical (25%)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-28-2-19. Mokelumne River at Terminous, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0.8	0.9	1.1	1.4	2.1	1.6	1.3	0.8	0.6	0.8	0.9	1.0
20%	0.6	0.5	0.6	1.1	1.4	1.4	0.6	0.5	0.5	0.7	0.8	0.9
30%	0.6	0.5	0.5	0.9	1.0	1.0	0.5	0.4	0.4	0.6	0.7	0.8
40%	0.6	0.5	0.4	0.6	0.7	0.7	0.5	0.4	0.4	0.6	0.7	0.8
50%	0.6	0.4	0.4	0.5	0.5	0.7	0.4	0.4	0.4	0.6	0.7	0.7
60%	0.5	0.3	0.4	0.4	0.5	0.6	0.4	0.3	0.4	0.5	0.6	0.7
70%	0.5	0.3	0.3	0.4	0.5	0.4	0.3	0.3	0.4	0.5	0.6	0.7
80%	0.5	0.3	0.2	0.2	0.3	0.3	0.3	0.2	0.4	0.5	0.6	0.7
90%	0.5	0.2	0.1	0.2	0.3	0.2	0.1	0.2	0.3	0.5	0.5	0.6
Long Term												
Full Simulation Period[a]	0.6	0.5	0.5	0.7	0.9	0.9	0.5	0.4	0.4	0.6	0.7	0.8
Water Year Types[b]												
Wet (31%)	0.7	0.8	1.1	1.1	1.7	1.8	1.0	0.7	0.7	0.8	0.8	1.0
Above Normal (25%)	0.6	0.3	0.5	1.4	1.7	1.3	0.7	0.6	0.4	0.6	0.7	0.7
Below Normal (6%)	0.6	0.5	0.2	0.7	0.8	0.8	0.5	0.4	0.4	0.4	0.6	0.6
Dry (13%)	0.5	0.3	0.3	0.3	0.4	0.5	0.3	0.3	0.4	0.5	0.6	0.7
Critical (25%)	0.5	0.4	0.3	0.3	0.4	0.3	0.3	0.2	0.3	0.6	0.7	0.7

Alternative 4 H3 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.2	1.4	1.6	1.8	2.5	2.1	1.7	1.2	1.1	1.3	1.3	1.5
20%	1.1	1.1	1.1	1.6	1.9	1.8	1.1	1.0	0.9	1.1	1.3	1.3
30%	1.1	1.0	1.0	1.3	1.5	1.4	0.9	0.9	0.9	1.1	1.2	1.3
40%	1.1	1.0	1.0	1.1	1.2	1.1	0.9	0.9	0.9	1.1	1.2	1.2
50%	1.0	0.9	0.9	1.0	1.0	1.1	0.9	0.8	0.9	1.0	1.1	1.2
60%	1.0	0.8	0.9	1.0	1.0	1.0	0.8	0.8	0.9	1.0	1.1	1.2
70%	1.0	0.8	0.8	0.9	0.9	0.9	0.8	0.8	0.8	1.0	1.1	1.2
80%	0.9	0.8	0.7	0.8	0.8	0.7	0.8	0.7	0.8	0.9	1.0	1.1
90%	0.9	0.7	0.7	0.8	0.8	0.7	0.6	0.6	0.8	0.9	1.0	1.0
Long Term												
Full Simulation Period[a]	1.1	1.0	1.0	1.2	1.4	1.3	1.0	0.9	0.9	1.1	1.2	1.3
Water Year Types[b]												
Wet (31%)	1.2	1.3	1.6	1.6	2.2	2.2	1.5	1.2	1.2	1.2	1.3	1.6
Above Normal (25%)	1.0	0.8	1.0	1.8	2.1	1.7	1.1	1.0	0.9	1.0	1.1	1.2
Below Normal (6%)	1.1	0.9	0.7	1.2	1.2	1.2	0.9	0.8	0.9	0.9	1.0	1.1
Dry (13%)	1.0	0.8	0.9	0.8	0.9	1.0	0.8	0.8	0.9	1.0	1.1	1.1
Critical (25%)	1.0	0.9	0.8	0.9	0.9	0.8	0.7	0.7	0.8	1.1	1.1	1.2

Alternative 4 H3 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.4	0.5
20%	0.4	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.5	0.4
30%	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.5	0.5	0.4	0.5	0.4
40%	0.5	0.5	0.5	0.5	0.5	0.4	0.5	0.5	0.5	0.5	0.5	0.5
50%	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.5
60%	0.5	0.5	0.5	0.6	0.5	0.4	0.4	0.5	0.5	0.5	0.5	0.5
70%	0.4	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
80%	0.5	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4
90%	0.5	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4
Long Term												
Full Simulation Period[a]	0.5	0.5	0.5	0.5	0.5	0.4	0.5	0.5	0.5	0.5	0.5	0.5
Water Year Types[b]												
Wet (31%)	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.5	0.5	0.4	0.5	0.5
Above Normal (25%)	0.4	0.5	0.5	0.4	0.4	0.5	0.4	0.4	0.5	0.4	0.5	0.5
Below Normal (6%)	0.4	0.5	0.5	0.5	0.4	0.4	0.4	0.5	0.5	0.5	0.4	0.5
Dry (13%)	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4
Critical (25%)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-28-2-20. Mokelumne River at Terminous, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0.8	0.9	1.1	1.4	2.1	1.6	1.3	0.8	0.6	0.8	0.9	1.0
20%	0.6	0.5	0.6	1.1	1.4	1.4	0.6	0.5	0.5	0.7	0.8	0.9
30%	0.6	0.5	0.5	0.9	1.0	1.0	0.5	0.4	0.4	0.6	0.7	0.8
40%	0.6	0.5	0.4	0.6	0.7	0.7	0.5	0.4	0.4	0.6	0.7	0.8
50%	0.6	0.4	0.4	0.5	0.5	0.7	0.4	0.4	0.4	0.6	0.7	0.7
60%	0.5	0.3	0.4	0.4	0.5	0.6	0.4	0.3	0.4	0.5	0.6	0.7
70%	0.5	0.3	0.3	0.4	0.5	0.4	0.3	0.3	0.4	0.5	0.6	0.7
80%	0.5	0.3	0.2	0.2	0.3	0.3	0.3	0.2	0.4	0.5	0.6	0.7
90%	0.5	0.2	0.1	0.2	0.3	0.2	0.1	0.2	0.3	0.5	0.5	0.6
Long Term												
Full Simulation Period[a]	0.6	0.5	0.5	0.7	0.9	0.9	0.5	0.4	0.4	0.6	0.7	0.8
Water Year Types[b]												
Wet (31%)	0.7	0.8	1.1	1.1	1.7	1.8	1.0	0.7	0.7	0.8	0.8	1.0
Above Normal (25%)	0.6	0.3	0.5	1.4	1.7	1.3	0.7	0.6	0.4	0.6	0.7	0.7
Below Normal (6%)	0.6	0.5	0.2	0.7	0.8	0.8	0.5	0.4	0.4	0.4	0.6	0.6
Dry (13%)	0.5	0.3	0.3	0.3	0.4	0.5	0.3	0.3	0.4	0.5	0.6	0.7
Critical (25%)	0.5	0.4	0.3	0.3	0.4	0.3	0.3	0.2	0.3	0.6	0.7	0.7

Alternative 4 H4 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.2	1.3	1.6	1.8	2.5	2.1	1.7	1.2	1.1	1.3	1.3	1.6
20%	1.1	1.0	1.0	1.6	1.9	1.8	1.1	1.0	0.9	1.1	1.3	1.3
30%	1.1	1.0	1.0	1.3	1.5	1.4	1.0	0.9	0.9	1.1	1.2	1.3
40%	1.1	1.0	1.0	1.1	1.2	1.2	0.9	0.9	0.9	1.1	1.2	1.2
50%	1.0	0.9	0.9	1.0	1.0	1.1	0.9	0.8	0.9	1.1	1.1	1.2
60%	1.0	0.8	0.9	1.0	1.0	1.0	0.9	0.8	0.9	1.0	1.1	1.2
70%	1.0	0.8	0.8	0.9	0.9	0.9	0.8	0.8	0.8	1.0	1.1	1.2
80%	1.0	0.8	0.7	0.8	0.8	0.7	0.8	0.7	0.8	1.0	1.1	1.1
90%	0.9	0.8	0.6	0.8	0.8	0.7	0.6	0.6	0.8	0.9	1.0	1.0
Long Term												
Full Simulation Period[a]	1.1	1.0	1.0	1.2	1.4	1.3	1.0	0.9	0.9	1.1	1.2	1.3
Water Year Types[b]												
Wet (31%)	1.2	1.3	1.6	1.6	2.2	2.2	1.5	1.2	1.2	1.3	1.3	1.6
Above Normal (25%)	1.0	0.8	1.0	1.8	2.1	1.7	1.2	1.0	0.9	1.1	1.2	1.2
Below Normal (6%)	1.1	0.9	0.7	1.2	1.2	1.2	0.9	0.8	0.9	0.9	1.1	1.1
Dry (13%)	1.0	0.8	0.9	0.8	0.9	1.0	0.8	0.8	0.9	1.0	1.1	1.1
Critical (25%)	1.0	0.9	0.8	0.8	0.9	0.8	0.7	0.7	0.8	1.1	1.1	1.2

Alternative 4 H4 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0.5	0.5	0.5	0.5	0.4	0.5	0.4	0.4	0.5	0.5	0.4	0.5
20%	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.5	0.4
30%	0.5	0.5	0.5	0.5	0.5	0.4	0.5	0.5	0.5	0.5	0.5	0.5
40%	0.5	0.5	0.5	0.5	0.5	0.4	0.5	0.5	0.5	0.5	0.5	0.4
50%	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4
60%	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
70%	0.4	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
80%	0.5	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
90%	0.5	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4
Long Term												
Full Simulation Period[a]	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Water Year Types[b]												
Wet (31%)	0.5	0.5	0.5	0.5	0.5	0.4	0.5	0.5	0.5	0.5	0.5	0.5
Above Normal (25%)	0.4	0.5	0.5	0.5	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Below Normal (6%)	0.4	0.5	0.5	0.5	0.5	0.4	0.4	0.5	0.5	0.5	0.4	0.4
Dry (13%)	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4
Critical (25%)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-28-2-21. Mokelumne River at Terminous, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0.8	0.9	1.1	1.4	2.1	1.6	1.3	0.8	0.6	0.8	0.9	1.0
20%	0.6	0.5	0.6	1.1	1.4	1.4	0.6	0.5	0.5	0.7	0.8	0.9
30%	0.6	0.5	0.5	0.9	1.0	1.0	0.5	0.4	0.4	0.6	0.7	0.8
40%	0.6	0.5	0.4	0.6	0.7	0.7	0.5	0.4	0.4	0.6	0.7	0.8
50%	0.6	0.4	0.4	0.5	0.5	0.7	0.4	0.4	0.4	0.6	0.7	0.7
60%	0.5	0.3	0.4	0.4	0.5	0.6	0.4	0.3	0.4	0.5	0.6	0.7
70%	0.5	0.3	0.3	0.4	0.5	0.4	0.3	0.3	0.4	0.5	0.6	0.7
80%	0.5	0.3	0.2	0.2	0.3	0.3	0.3	0.2	0.4	0.5	0.6	0.7
90%	0.5	0.2	0.1	0.2	0.3	0.2	0.1	0.2	0.3	0.5	0.5	0.6
Long Term												
Full Simulation Period[a]	0.6	0.5	0.5	0.7	0.9	0.9	0.5	0.4	0.4	0.6	0.7	0.8
Water Year Types[b]												
Wet (31%)	0.7	0.8	1.1	1.1	1.7	1.8	1.0	0.7	0.7	0.8	0.8	1.0
Above Normal (25%)	0.6	0.3	0.5	1.4	1.7	1.3	0.7	0.6	0.4	0.6	0.7	0.7
Below Normal (6%)	0.6	0.5	0.2	0.7	0.8	0.8	0.5	0.4	0.4	0.4	0.6	0.6
Dry (13%)	0.5	0.3	0.3	0.3	0.4	0.5	0.3	0.3	0.4	0.5	0.6	0.7
Critical (25%)	0.5	0.4	0.3	0.3	0.4	0.3	0.3	0.2	0.3	0.6	0.7	0.7

Alternative 5 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.2	1.4	1.6	1.8	2.5	2.0	1.7	1.2	1.1	1.3	1.3	1.5
20%	1.1	1.0	1.0	1.6	1.9	1.8	1.1	1.0	0.9	1.1	1.3	1.3
30%	1.1	1.0	1.0	1.3	1.4	1.4	0.9	0.9	0.9	1.1	1.2	1.3
40%	1.0	0.9	0.9	1.1	1.2	1.2	0.9	0.9	0.9	1.1	1.2	1.2
50%	1.0	0.9	0.9	1.0	1.0	1.1	0.9	0.8	0.9	1.1	1.1	1.2
60%	1.0	0.9	0.9	0.9	1.0	1.0	0.8	0.8	0.9	1.0	1.1	1.2
70%	1.0	0.8	0.8	0.9	0.9	0.9	0.8	0.8	0.8	1.0	1.1	1.2
80%	0.9	0.8	0.7	0.8	0.8	0.7	0.8	0.7	0.8	1.0	1.1	1.1
90%	0.9	0.8	0.6	0.7	0.8	0.7	0.6	0.6	0.8	0.9	1.0	1.1
Long Term												
Full Simulation Period[a]	1.0	1.0	1.0	1.2	1.4	1.3	1.0	0.9	0.9	1.1	1.2	1.3
Water Year Types[b]												
Wet (31%)	1.1	1.3	1.6	1.6	2.2	2.2	1.5	1.2	1.2	1.2	1.3	1.5
Above Normal (25%)	1.0	0.8	1.0	1.8	2.1	1.7	1.1	1.0	0.8	1.0	1.2	1.2
Below Normal (6%)	1.1	0.9	0.7	1.2	1.2	1.2	0.9	0.8	0.9	0.9	1.1	1.1
Dry (13%)	1.0	0.8	0.8	0.8	0.8	1.0	0.8	0.8	0.9	1.0	1.1	1.1
Critical (25%)	1.0	0.9	0.8	0.9	0.9	0.8	0.7	0.7	0.8	1.0	1.1	1.2

Alternative 5 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.4	0.5
20%	0.4	0.5	0.5	0.5	0.4	0.4	0.5	0.5	0.5	0.4	0.5	0.4
30%	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.5	0.5	0.4	0.5	0.4
40%	0.4	0.5	0.5	0.5	0.5	0.4	0.4	0.5	0.5	0.5	0.4	0.4
50%	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.5
60%	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
70%	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
80%	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4
90%	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Long Term												
Full Simulation Period[a]	0.4	0.5	0.5	0.5	0.5	0.4	0.4	0.5	0.5	0.5	0.5	0.5
Water Year Types[b]												
Wet (31%)	0.4	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.5	0.4	0.5	0.5
Above Normal (25%)	0.4	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.5	0.5
Below Normal (6%)	0.4	0.5	0.5	0.5	0.4	0.4	0.4	0.5	0.5	0.5	0.4	0.5
Dry (13%)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Critical (25%)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-28-2-22. Mokelumne River at Terminous, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0.8	0.9	1.1	1.4	2.1	1.6	1.3	0.8	0.6	0.8	0.9	1.0
20%	0.6	0.5	0.6	1.1	1.4	1.4	0.6	0.5	0.5	0.7	0.8	0.9
30%	0.6	0.5	0.5	0.9	1.0	1.0	0.5	0.4	0.4	0.6	0.7	0.8
40%	0.6	0.5	0.4	0.6	0.7	0.7	0.5	0.4	0.4	0.6	0.7	0.8
50%	0.6	0.4	0.4	0.5	0.5	0.7	0.4	0.4	0.4	0.6	0.7	0.7
60%	0.5	0.3	0.4	0.4	0.5	0.6	0.4	0.3	0.4	0.5	0.6	0.7
70%	0.5	0.3	0.3	0.4	0.5	0.4	0.3	0.3	0.4	0.5	0.6	0.7
80%	0.5	0.3	0.2	0.2	0.3	0.3	0.3	0.2	0.4	0.5	0.6	0.7
90%	0.5	0.2	0.1	0.2	0.3	0.2	0.1	0.2	0.3	0.5	0.5	0.6
Long Term												
Full Simulation Period[a]	0.6	0.5	0.5	0.7	0.9	0.9	0.5	0.4	0.4	0.6	0.7	0.8
Water Year Types[b]												
Wet (31%)	0.7	0.8	1.1	1.1	1.7	1.8	1.0	0.7	0.7	0.8	0.8	1.0
Above Normal (25%)	0.6	0.3	0.5	1.4	1.7	1.3	0.7	0.6	0.4	0.6	0.7	0.7
Below Normal (6%)	0.6	0.5	0.2	0.7	0.8	0.8	0.5	0.4	0.4	0.4	0.6	0.6
Dry (13%)	0.5	0.3	0.3	0.3	0.4	0.5	0.3	0.3	0.4	0.5	0.6	0.7
Critical (25%)	0.5	0.4	0.3	0.3	0.4	0.3	0.3	0.2	0.3	0.6	0.7	0.7

Alternative 6A,6B,6C (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.3	1.4	1.7	1.9	2.6	2.1	1.7	1.2	1.1	1.3	1.4	1.5
20%	1.1	1.1	1.1	1.6	1.9	1.8	1.1	1.0	1.0	1.1	1.3	1.3
30%	1.1	1.0	1.1	1.4	1.5	1.4	0.9	0.9	0.9	1.1	1.2	1.3
40%	1.1	1.0	1.0	1.2	1.2	1.2	0.9	0.9	0.9	1.1	1.2	1.2
50%	1.0	0.9	1.0	1.0	1.1	1.2	0.9	0.9	0.9	1.1	1.2	1.2
60%	1.0	0.9	1.0	1.0	1.0	1.0	0.8	0.8	0.9	1.1	1.1	1.2
70%	1.0	0.8	0.9	0.9	1.0	0.9	0.8	0.8	0.9	1.0	1.1	1.2
80%	1.0	0.8	0.8	0.8	0.9	0.8	0.8	0.7	0.8	1.0	1.1	1.2
90%	1.0	0.8	0.7	0.8	0.8	0.8	0.6	0.7	0.8	0.9	1.0	1.1
Long Term												
Full Simulation Period[a]	1.1	1.0	1.1	1.2	1.4	1.3	1.0	0.9	0.9	1.1	1.2	1.3
Water Year Types[b]												
Wet (31%)	1.2	1.4	1.7	1.6	2.2	2.2	1.5	1.2	1.2	1.3	1.3	1.5
Above Normal (25%)	1.0	0.9	1.0	1.9	2.1	1.7	1.1	1.0	0.9	1.1	1.2	1.2
Below Normal (6%)	1.1	1.0	0.8	1.3	1.3	1.3	0.9	0.9	0.9	1.0	1.1	1.1
Dry (13%)	1.0	0.9	0.9	0.9	0.9	1.0	0.8	0.8	0.9	1.0	1.1	1.2
Critical (25%)	1.0	0.9	0.9	0.9	0.9	0.8	0.7	0.7	0.8	1.1	1.2	1.2

Alternative 6A,6B,6C (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0.5	0.6	0.6	0.5	0.4	0.5	0.4	0.4	0.5	0.5	0.5	0.5
20%	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
30%	0.5	0.5	0.6	0.5	0.5	0.4	0.4	0.5	0.5	0.5	0.5	0.4
40%	0.5	0.5	0.6	0.5	0.5	0.4	0.5	0.5	0.5	0.5	0.5	0.4
50%	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
60%	0.5	0.5	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
70%	0.5	0.5	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
80%	0.5	0.6	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
90%	0.5	0.5	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Long Term												
Full Simulation Period[a]	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Water Year Types[b]												
Wet (31%)	0.5	0.6	0.6	0.5	0.5	0.4	0.4	0.5	0.5	0.5	0.5	0.5
Above Normal (25%)	0.4	0.5	0.6	0.5	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5
Below Normal (6%)	0.5	0.5	0.6	0.6	0.5	0.5	0.4	0.5	0.5	0.5	0.5	0.5
Dry (13%)	0.5	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Critical (25%)	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-28-2-23. Mokelumne River at Terminous, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0.8	0.9	1.1	1.4	2.1	1.6	1.3	0.8	0.6	0.8	0.9	1.0
20%	0.6	0.5	0.6	1.1	1.4	1.4	0.6	0.5	0.5	0.7	0.8	0.9
30%	0.6	0.5	0.5	0.9	1.0	1.0	0.5	0.4	0.4	0.6	0.7	0.8
40%	0.6	0.5	0.4	0.6	0.7	0.7	0.5	0.4	0.4	0.6	0.7	0.8
50%	0.6	0.4	0.4	0.5	0.5	0.7	0.4	0.4	0.4	0.6	0.7	0.7
60%	0.5	0.3	0.4	0.4	0.5	0.6	0.4	0.3	0.4	0.5	0.6	0.7
70%	0.5	0.3	0.3	0.4	0.5	0.4	0.3	0.3	0.4	0.5	0.6	0.7
80%	0.5	0.3	0.2	0.2	0.3	0.3	0.3	0.2	0.4	0.5	0.6	0.7
90%	0.5	0.2	0.1	0.2	0.3	0.2	0.1	0.2	0.3	0.5	0.5	0.6
Long Term												
Full Simulation Period[a]	0.6	0.5	0.5	0.7	0.9	0.9	0.5	0.4	0.4	0.6	0.7	0.8
Water Year Types[b]												
Wet (31%)	0.7	0.8	1.1	1.1	1.7	1.8	1.0	0.7	0.7	0.8	0.8	1.0
Above Normal (25%)	0.6	0.3	0.5	1.4	1.7	1.3	0.7	0.6	0.4	0.6	0.7	0.7
Below Normal (6%)	0.6	0.5	0.2	0.7	0.8	0.8	0.5	0.4	0.4	0.4	0.6	0.6
Dry (13%)	0.5	0.3	0.3	0.3	0.4	0.5	0.3	0.3	0.4	0.5	0.6	0.7
Critical (25%)	0.5	0.4	0.3	0.3	0.4	0.3	0.3	0.2	0.3	0.6	0.7	0.7

Alternative 7 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.3	1.4	1.7	1.9	2.5	2.0	1.7	1.2	1.1	1.3	1.3	1.6
20%	1.1	1.1	1.1	1.6	1.9	1.8	1.1	1.0	1.0	1.1	1.3	1.3
30%	1.1	1.0	1.1	1.4	1.5	1.4	0.9	0.9	0.9	1.1	1.2	1.3
40%	1.1	1.0	1.0	1.2	1.2	1.2	0.9	0.9	0.9	1.1	1.2	1.2
50%	1.0	1.0	1.0	1.0	1.1	1.2	0.9	0.9	0.9	1.1	1.2	1.2
60%	1.0	0.9	1.0	1.0	1.0	1.0	0.8	0.8	0.9	1.0	1.1	1.2
70%	1.0	0.9	0.9	0.9	1.0	0.9	0.8	0.8	0.9	1.0	1.1	1.2
80%	1.0	0.8	0.8	0.8	0.9	0.8	0.8	0.7	0.9	0.9	1.1	1.1
90%	1.0	0.8	0.7	0.8	0.8	0.8	0.6	0.7	0.8	0.9	1.0	1.1
Long Term												
Full Simulation Period[a]	1.1	1.0	1.1	1.2	1.4	1.3	1.0	0.9	1.0	1.1	1.2	1.3
Water Year Types[b]												
Wet (31%)	1.2	1.4	1.6	1.6	2.2	2.2	1.5	1.2	1.2	1.3	1.3	1.6
Above Normal (25%)	1.0	0.9	1.0	1.9	2.1	1.7	1.2	1.0	0.9	1.0	1.2	1.2
Below Normal (6%)	1.1	1.0	0.8	1.2	1.3	1.3	0.9	0.9	0.9	0.9	1.1	1.1
Dry (13%)	1.0	0.9	0.9	0.9	0.9	1.0	0.8	0.8	0.9	1.0	1.1	1.1
Critical (25%)	1.0	0.9	0.9	0.9	0.9	0.8	0.7	0.7	0.8	1.0	1.2	1.2

Alternative 7 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0.5	0.6	0.6	0.5	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5
20%	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.5	0.4
30%	0.5	0.5	0.6	0.5	0.5	0.4	0.4	0.5	0.5	0.5	0.5	0.5
40%	0.5	0.5	0.6	0.5	0.5	0.4	0.5	0.5	0.5	0.5	0.5	0.4
50%	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
60%	0.5	0.5	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
70%	0.5	0.5	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
80%	0.5	0.6	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
90%	0.5	0.5	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Long Term												
Full Simulation Period[a]	0.5	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Water Year Types[b]												
Wet (31%)	0.5	0.6	0.6	0.5	0.5	0.4	0.4	0.5	0.5	0.5	0.5	0.5
Above Normal (25%)	0.5	0.6	0.6	0.5	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5
Below Normal (6%)	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.5
Dry (13%)	0.5	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Critical (25%)	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.5

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-28-2-24. Mokelumne River at Terminous, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0.8	0.9	1.1	1.4	2.1	1.6	1.3	0.8	0.6	0.8	0.9	1.0
20%	0.6	0.5	0.6	1.1	1.4	1.4	0.6	0.5	0.5	0.7	0.8	0.9
30%	0.6	0.5	0.5	0.9	1.0	1.0	0.5	0.4	0.4	0.6	0.7	0.8
40%	0.6	0.5	0.4	0.6	0.7	0.7	0.5	0.4	0.4	0.6	0.7	0.8
50%	0.6	0.4	0.4	0.5	0.5	0.7	0.4	0.4	0.4	0.6	0.7	0.7
60%	0.5	0.3	0.4	0.4	0.5	0.6	0.4	0.3	0.4	0.5	0.6	0.7
70%	0.5	0.3	0.3	0.4	0.5	0.4	0.3	0.3	0.4	0.5	0.6	0.7
80%	0.5	0.3	0.2	0.2	0.3	0.3	0.3	0.2	0.4	0.5	0.6	0.7
90%	0.5	0.2	0.1	0.2	0.3	0.2	0.1	0.2	0.3	0.5	0.5	0.6
Long Term												
Full Simulation Period[a]	0.6	0.5	0.5	0.7	0.9	0.9	0.5	0.4	0.4	0.6	0.7	0.8
Water Year Types[b]												
Wet (31%)	0.7	0.8	1.1	1.1	1.7	1.8	1.0	0.7	0.7	0.8	0.8	1.0
Above Normal (25%)	0.6	0.3	0.5	1.4	1.7	1.3	0.7	0.6	0.4	0.6	0.7	0.7
Below Normal (6%)	0.6	0.5	0.2	0.7	0.8	0.8	0.5	0.4	0.4	0.4	0.6	0.6
Dry (13%)	0.5	0.3	0.3	0.3	0.4	0.5	0.3	0.3	0.4	0.5	0.6	0.7
Critical (25%)	0.5	0.4	0.3	0.3	0.4	0.3	0.3	0.2	0.3	0.6	0.7	0.7

Alternative 8 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.3	1.5	1.7	1.9	2.5	2.0	1.7	1.2	1.1	1.3	1.3	1.6
20%	1.1	1.1	1.1	1.6	1.9	1.8	1.1	1.0	1.0	1.1	1.3	1.3
30%	1.1	1.0	1.1	1.4	1.5	1.4	1.0	0.9	0.9	1.1	1.2	1.3
40%	1.1	1.0	1.0	1.2	1.2	1.2	0.9	0.9	0.9	1.1	1.2	1.2
50%	1.0	1.0	1.0	1.0	1.1	1.2	0.9	0.9	0.9	1.1	1.2	1.2
60%	1.0	0.9	1.0	1.0	1.0	1.1	0.8	0.8	0.9	1.1	1.1	1.2
70%	1.0	0.8	0.9	0.9	1.0	0.9	0.8	0.8	0.9	1.0	1.1	1.2
80%	1.0	0.8	0.8	0.8	0.9	0.8	0.8	0.7	0.9	1.0	1.1	1.1
90%	1.0	0.8	0.7	0.8	0.8	0.8	0.6	0.7	0.8	0.9	1.0	1.1
Long Term												
Full Simulation Period[a]	1.1	1.0	1.1	1.2	1.4	1.4	1.0	0.9	1.0	1.1	1.2	1.3
Water Year Types[b]												
Wet (31%)	1.2	1.4	1.6	1.6	2.2	2.2	1.5	1.2	1.2	1.3	1.3	1.6
Above Normal (25%)	1.0	0.9	1.0	1.9	2.1	1.7	1.2	1.0	0.9	1.1	1.2	1.2
Below Normal (6%)	1.1	1.0	0.8	1.3	1.3	1.3	0.9	0.9	0.9	1.0	1.1	1.1
Dry (13%)	1.0	0.9	0.9	0.9	0.9	1.0	0.8	0.8	0.9	1.0	1.1	1.1
Critical (25%)	1.0	0.9	0.9	0.9	0.9	0.8	0.7	0.7	0.8	1.1	1.2	1.2

Alternative 8 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0.5	0.6	0.6	0.5	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5
20%	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4
30%	0.5	0.6	0.6	0.5	0.5	0.4	0.5	0.5	0.5	0.5	0.5	0.5
40%	0.5	0.5	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4
50%	0.5	0.5	0.6	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5
60%	0.5	0.5	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
70%	0.5	0.5	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
80%	0.5	0.6	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
90%	0.5	0.5	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Long Term												
Full Simulation Period[a]	0.5	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Water Year Types[b]												
Wet (31%)	0.5	0.6	0.6	0.5	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5
Above Normal (25%)	0.5	0.6	0.6	0.5	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5
Below Normal (6%)	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Dry (13%)	0.5	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Critical (25%)	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.5

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-28-2-25. Mokelumne River at Terminous, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0.8	0.9	1.1	1.4	2.1	1.6	1.3	0.8	0.6	0.8	0.9	1.0
20%	0.6	0.5	0.6	1.1	1.4	1.4	0.6	0.5	0.5	0.7	0.8	0.9
30%	0.6	0.5	0.5	0.9	1.0	1.0	0.5	0.4	0.4	0.6	0.7	0.8
40%	0.6	0.5	0.4	0.6	0.7	0.7	0.5	0.4	0.4	0.6	0.7	0.8
50%	0.6	0.4	0.4	0.5	0.5	0.7	0.4	0.4	0.4	0.6	0.7	0.7
60%	0.5	0.3	0.4	0.4	0.5	0.6	0.4	0.3	0.4	0.5	0.6	0.7
70%	0.5	0.3	0.3	0.4	0.5	0.4	0.3	0.3	0.4	0.5	0.6	0.7
80%	0.5	0.3	0.2	0.2	0.3	0.3	0.3	0.2	0.4	0.5	0.6	0.7
90%	0.5	0.2	0.1	0.2	0.3	0.2	0.1	0.2	0.3	0.5	0.5	0.6
Long Term												
Full Simulation Period[a]	0.6	0.5	0.5	0.7	0.9	0.9	0.5	0.4	0.4	0.6	0.7	0.8
Water Year Types[b]												
Wet (31%)	0.7	0.8	1.1	1.1	1.7	1.8	1.0	0.7	0.7	0.8	0.8	1.0
Above Normal (25%)	0.6	0.3	0.5	1.4	1.7	1.3	0.7	0.6	0.4	0.6	0.7	0.7
Below Normal (6%)	0.6	0.5	0.2	0.7	0.8	0.8	0.5	0.4	0.4	0.4	0.6	0.6
Dry (13%)	0.5	0.3	0.3	0.3	0.4	0.5	0.3	0.3	0.4	0.5	0.6	0.7
Critical (25%)	0.5	0.4	0.3	0.3	0.4	0.3	0.3	0.2	0.3	0.6	0.7	0.7

Alternative 9 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.2	1.4	1.6	1.9	2.5	2.0	1.7	1.2	1.1	1.4	1.3	1.6
20%	1.2	1.1	1.1	1.6	1.9	1.8	1.1	1.0	0.9	1.2	1.3	1.3
30%	1.1	1.0	1.0	1.4	1.5	1.5	1.0	0.9	0.9	1.1	1.3	1.3
40%	1.0	1.0	1.0	1.2	1.2	1.2	0.9	0.9	0.9	1.1	1.3	1.2
50%	1.0	0.9	1.0	1.0	1.1	1.2	0.9	0.8	0.9	1.1	1.2	1.2
60%	1.0	0.8	0.9	1.0	1.0	1.0	0.9	0.8	0.9	1.1	1.2	1.2
70%	1.0	0.8	0.8	0.9	1.0	0.9	0.8	0.8	0.9	1.1	1.1	1.2
80%	1.0	0.8	0.7	0.8	0.9	0.8	0.8	0.7	0.8	1.0	1.1	1.1
90%	0.9	0.7	0.6	0.7	0.8	0.8	0.6	0.6	0.8	1.0	1.1	1.1
Long Term												
Full Simulation Period[a]	1.1	1.0	1.0	1.2	1.4	1.4	1.0	0.9	0.9	1.1	1.2	1.3
Water Year Types[b]												
Wet (31%)	1.2	1.3	1.6	1.6	2.1	2.2	1.5	1.2	1.2	1.3	1.3	1.5
Above Normal (25%)	1.0	0.8	1.0	1.9	2.2	1.7	1.2	1.0	0.8	1.1	1.2	1.3
Below Normal (6%)	1.2	1.0	0.7	1.3	1.3	1.3	1.0	0.8	0.9	1.0	1.1	1.1
Dry (13%)	1.0	0.8	0.8	0.9	0.9	1.0	0.8	0.9	0.9	1.1	1.2	1.2
Critical (25%)	1.0	0.9	0.9	0.9	0.9	0.8	0.7	0.7	0.8	1.1	1.2	1.2

Alternative 9 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5
20%	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
30%	0.4	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
40%	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4
50%	0.5	0.5	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5
60%	0.5	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.6	0.5	0.5
70%	0.4	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.6	0.5	0.5
80%	0.5	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.6	0.5	0.5
90%	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Long Term												
Full Simulation Period[a]	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Water Year Types[b]												
Wet (31%)	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5
Above Normal (25%)	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Below Normal (6%)	0.5	0.6	0.5	0.6	0.5	0.5	0.5	0.5	0.4	0.5	0.5	0.5
Dry (13%)	0.5	0.5	0.5	0.6	0.6	0.5	0.5	0.5	0.5	0.6	0.6	0.5
Critical (25%)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

C.29. Sacramento River at Freeport Water Surface Elevation

Table C-29-1-1. Sacramento River at Freeport, Monthly Averaged Daily Maximum Elevation

Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.3	7.7	12.5	11.7	13.9	13.1	9.2	5.7	4.5	5.1	4.5	4.5
20%	3.6	6.4	5.2	10.0	13.0	10.8	4.9	3.9	3.9	4.8	4.3	3.9
30%	3.6	3.9	4.7	7.8	8.1	9.0	4.4	3.9	3.9	4.7	4.2	3.8
40%	3.5	3.8	4.4	5.5	6.9	6.9	3.8	3.8	3.9	4.7	4.1	3.8
50%	3.5	3.6	4.2	5.2	5.3	6.1	3.7	3.7	3.8	4.6	4.1	3.7
60%	3.4	3.5	4.0	4.6	3.9	5.7	3.6	3.5	3.8	4.6	4.0	3.7
70%	3.4	3.5	3.9	4.0	3.8	4.4	3.6	3.4	3.7	4.5	3.9	3.6
80%	3.3	3.3	3.8	3.7	3.7	3.6	3.4	3.4	3.6	4.4	3.9	3.6
90%	3.3	3.2	3.4	3.5	3.3	3.3	3.3	3.1	3.5	4.1	3.8	3.4
Long Term												
Full Simulation Period[a]	3.6	4.7	5.8	6.6	7.2	7.3	5.0	4.3	4.2	4.6	4.1	3.9
Water Year Types[b]												
Wet (31%)	4.1	7.4	11.1	9.6	12.4	12.2	8.4	6.3	5.8	5.1	4.4	4.7
Above Normal (25%)	3.2	3.5	4.5	11.8	11.2	9.9	5.5	4.2	3.8	4.4	4.0	3.7
Below Normal (6%)	3.6	3.5	3.4	5.3	7.0	6.0	3.7	3.8	3.7	4.5	4.0	3.6
Dry (13%)	3.5	4.1	4.2	4.2	4.4	5.9	3.9	3.6	3.9	4.7	4.3	3.7
Critical (25%)	3.5	3.6	3.9	4.2	3.6	3.8	3.3	3.2	3.6	4.4	3.8	3.5

No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	5.3	7.4	13.3	13.0	14.7	13.6	10.0	6.1	5.7	6.5	5.9	6.8
20%	5.1	6.3	6.1	11.9	13.9	12.1	6.2	5.4	5.5	6.4	5.7	6.3
30%	5.0	5.5	6.0	8.9	9.5	9.9	5.5	5.2	5.4	6.3	5.7	5.6
40%	5.0	5.2	5.7	6.6	7.4	7.5	5.1	5.1	5.3	6.3	5.6	5.2
50%	5.0	5.1	5.6	6.4	6.3	6.9	5.0	4.9	5.3	6.1	5.5	5.2
60%	5.0	5.0	5.4	5.9	5.4	6.2	5.0	4.9	5.2	6.0	5.5	5.1
70%	4.9	5.0	5.2	5.5	5.1	5.4	4.9	4.9	5.2	5.9	5.4	5.1
80%	4.8	4.9	5.1	5.4	5.1	4.9	4.8	4.9	5.2	5.6	5.3	5.1
90%	4.8	4.8	5.0	5.0	4.8	4.8	4.7	4.7	5.1	5.5	5.2	4.9
Long Term												
Full Simulation Period[a]	5.0	5.8	7.1	7.9	8.3	8.2	6.3	5.4	5.4	6.1	5.5	5.6
Water Year Types[b]												
Wet (31%)	5.3	7.8	12.0	10.9	13.3	12.6	9.5	6.4	6.0	6.3	5.8	6.7
Above Normal (25%)	4.8	4.9	5.9	12.7	12.6	10.9	6.2	5.2	5.2	6.2	5.6	5.6
Below Normal (6%)	5.0	5.2	5.1	6.6	7.4	6.6	5.0	4.9	5.3	5.6	5.3	5.1
Dry (13%)	5.0	5.3	5.4	5.5	5.6	6.7	5.2	5.2	5.4	6.2	5.6	5.1
Critical (25%)	5.0	5.1	5.3	5.6	5.0	5.1	4.8	4.8	5.1	5.7	5.2	5.1

No Action Alternative (LLT) minus Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.9	-0.3	0.8	1.3	0.8	0.5	0.8	0.4	1.2	1.4	1.3	2.3
20%	1.5	-0.1	0.9	1.8	0.9	1.3	1.3	1.5	1.5	1.7	1.4	2.3
30%	1.4	1.6	1.2	1.2	1.4	0.9	1.1	1.4	1.5	1.6	1.4	1.8
40%	1.5	1.5	1.2	1.2	0.4	0.6	1.3	1.3	1.4	1.6	1.5	1.5
50%	1.6	1.5	1.4	1.2	1.0	0.8	1.3	1.2	1.4	1.5	1.5	1.5
60%	1.6	1.5	1.4	1.3	1.5	0.5	1.4	1.5	1.4	1.4	1.4	1.5
70%	1.5	1.5	1.3	1.5	1.3	1.0	1.4	1.5	1.5	1.4	1.5	1.5
80%	1.5	1.6	1.3	1.7	1.3	1.2	1.5	1.5	1.5	1.2	1.4	1.5
90%	1.6	1.5	1.6	1.5	1.5	1.5	1.5	1.6	1.6	1.4	1.4	1.5
Long Term												
Full Simulation Period[a]	1.4	1.1	1.3	1.3	1.1	0.9	1.2	1.1	1.2	1.4	1.4	1.6
Water Year Types[b]												
Wet (31%)	1.2	0.3	1.0	1.3	0.9	0.4	1.1	0.1	0.2	1.2	1.4	2.0
Above Normal (25%)	1.5	1.4	1.4	0.9	1.4	1.1	0.8	1.0	1.4	1.9	1.6	1.9
Below Normal (6%)	1.4	1.7	1.7	1.3	0.3	0.6	1.3	1.1	1.5	1.1	1.3	1.5
Dry (13%)	1.5	1.2	1.2	1.3	1.2	0.9	1.3	1.5	1.4	1.5	1.3	1.4
Critical (25%)	1.5	1.5	1.4	1.5	1.4	1.3	1.5	1.6	1.6	1.3	1.4	1.5

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

Table C-29-1-2. Sacramento River at Freeport, Monthly Averaged Daily Maximum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.3	7.7	12.5	11.7	13.9	13.1	9.2	5.7	4.5	5.1	4.5	4.5
20%	3.6	6.4	5.2	10.0	13.0	10.8	4.9	3.9	3.9	4.8	4.3	3.9
30%	3.6	3.9	4.7	7.8	8.1	9.0	4.4	3.9	3.9	4.7	4.2	3.8
40%	3.5	3.8	4.4	5.5	6.9	6.9	3.8	3.8	3.9	4.7	4.1	3.8
50%	3.5	3.6	4.2	5.2	5.3	6.1	3.7	3.7	3.8	4.6	4.1	3.7
60%	3.4	3.5	4.0	4.6	3.9	5.7	3.6	3.5	3.8	4.6	4.0	3.7
70%	3.4	3.5	3.9	4.0	3.8	4.4	3.6	3.4	3.7	4.5	3.9	3.6
80%	3.3	3.3	3.8	3.7	3.7	3.6	3.4	3.4	3.6	4.4	3.9	3.6
90%	3.3	3.2	3.4	3.5	3.3	3.3	3.3	3.1	3.5	4.1	3.8	3.4
Long Term												
Full Simulation Period[a]	3.6	4.7	5.8	6.6	7.2	7.3	5.0	4.3	4.2	4.6	4.1	3.9
Water Year Types[b]												
Wet (31%)	4.1	7.4	11.1	9.6	12.4	12.2	8.4	6.3	5.8	5.1	4.4	4.7
Above Normal (25%)	3.2	3.5	4.5	11.8	11.2	9.9	5.5	4.2	3.8	4.4	4.0	3.7
Below Normal (6%)	3.6	3.5	3.4	5.3	7.0	6.0	3.7	3.8	3.7	4.5	4.0	3.6
Dry (13%)	3.5	4.1	4.2	4.2	4.4	5.9	3.9	3.6	3.9	4.7	4.3	3.7
Critical (25%)	3.5	3.6	3.9	4.2	3.6	3.8	3.3	3.2	3.6	4.4	3.8	3.5

Alternative 1A,1B,1C (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	5.3	6.7	12.1	11.6	13.5	12.8	8.8	5.4	5.3	5.6	5.1	4.9
20%	5.1	5.8	5.6	10.2	12.8	10.9	5.4	4.9	5.0	5.5	4.9	4.8
30%	4.9	4.9	5.4	7.9	7.8	8.6	4.9	4.6	4.9	5.4	4.9	4.7
40%	4.7	4.5	5.2	5.8	6.2	5.9	4.6	4.5	4.7	5.2	4.8	4.6
50%	4.6	4.5	5.1	5.7	5.5	5.6	4.5	4.5	4.7	5.0	4.8	4.6
60%	4.4	4.5	4.9	5.2	4.8	5.3	4.5	4.5	4.6	5.0	4.7	4.6
70%	4.4	4.4	4.7	4.8	4.7	4.8	4.5	4.4	4.6	4.8	4.7	4.6
80%	4.3	4.3	4.6	4.6	4.6	4.3	4.4	4.4	4.5	4.7	4.6	4.5
90%	4.3	4.2	4.5	4.5	4.4	4.3	4.3	4.2	4.5	4.6	4.5	4.4
Long Term												
Full Simulation Period[a]	4.7	5.2	6.5	7.0	7.5	7.4	5.7	4.8	4.8	5.1	4.8	4.7
Water Year Types[b]												
Wet (31%)	4.7	7.4	11.1	9.7	12.1	11.7	8.8	5.7	5.4	5.4	5.0	5.1
Above Normal (25%)	4.6	4.3	5.3	11.3	11.3	9.8	5.2	4.6	4.8	5.1	4.7	4.5
Below Normal (6%)	5.4	4.5	4.6	5.8	6.2	5.4	4.5	4.4	4.6	4.4	4.5	4.4
Dry (13%)	4.4	4.7	5.0	5.1	5.0	5.9	4.7	4.7	4.8	5.4	5.0	4.6
Critical (25%)	4.9	4.4	4.8	4.9	4.5	4.5	4.3	4.3	4.5	4.8	4.6	4.5

Alternative 1A,1B,1C (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.9	**-1.0**	**-0.4**	**-0.1**	**-0.4**	**-0.3**	**-0.4**	**-0.3**	0.8	0.5	0.6	0.4
20%	1.5	**-0.6**	0.3	0.2	**-0.2**	0.1	0.4	1.1	1.1	0.7	0.6	0.8
30%	1.3	1.0	0.7	0.2	**-0.4**	**-0.3**	0.6	0.8	1.0	0.7	0.6	0.8
40%	1.2	0.8	0.8	0.4	**-0.7**	**-1.0**	0.9	0.7	0.9	0.5	0.7	0.9
50%	1.1	0.9	0.9	0.5	0.3	**-0.5**	0.8	0.8	0.9	0.4	0.7	0.9
60%	1.0	0.9	0.9	0.6	0.9	**-0.4**	0.8	1.0	0.8	0.4	0.7	0.9
70%	1.0	0.9	0.8	0.8	0.8	0.4	0.9	1.0	0.9	0.3	0.8	1.0
80%	1.1	1.0	0.8	0.9	0.8	0.7	1.0	1.0	0.9	0.3	0.7	0.9
90%	1.0	1.0	1.1	1.0	1.0	1.0	1.0	1.1	0.9	0.4	0.7	0.9
Long Term												
Full Simulation Period[a]	1.1	0.5	0.7	0.4	0.3	0.0	0.6	0.6	0.6	0.5	0.7	0.8
Water Year Types[b]												
Wet (31%)	0.6	**0.0**	0.1	0.1	**-0.3**	**-0.5**	0.3	**-0.6**	**-0.4**	0.3	0.6	0.3
Above Normal (25%)	1.3	0.8	0.8	**-0.5**	0.1	**-0.1**	**-0.2**	0.4	1.0	0.8	0.7	0.8
Below Normal (6%)	1.7	1.0	1.2	0.5	**-0.9**	**-0.6**	0.7	0.5	0.8	**-0.1**	0.5	0.9
Dry (13%)	0.9	0.6	0.8	0.8	0.6	0.1	0.9	1.1	0.9	0.7	0.6	0.8
Critical (25%)	1.4	0.8	0.8	0.7	0.9	0.7	1.0	1.1	0.9	0.4	0.8	1.0

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-29-1-3. Sacramento River at Freeport, Monthly Averaged Daily Maximum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.3	7.7	12.5	11.7	13.9	13.1	9.2	5.7	4.5	5.1	4.5	4.5
20%	3.6	6.4	5.2	10.0	13.0	10.8	4.9	3.9	3.9	4.8	4.3	3.9
30%	3.6	3.9	4.7	7.8	8.1	9.0	4.4	3.9	3.9	4.7	4.2	3.8
40%	3.5	3.8	4.4	5.5	6.9	6.9	3.8	3.8	3.9	4.7	4.1	3.8
50%	3.5	3.6	4.2	5.2	5.3	6.1	3.7	3.7	3.8	4.6	4.1	3.7
60%	3.4	3.5	4.0	4.6	3.9	5.7	3.6	3.5	3.8	4.6	4.0	3.7
70%	3.4	3.5	3.9	4.0	3.8	4.4	3.6	3.4	3.7	4.5	3.9	3.6
80%	3.3	3.3	3.8	3.7	3.7	3.6	3.4	3.4	3.6	4.4	3.9	3.6
90%	3.3	3.2	3.4	3.5	3.3	3.3	3.3	3.1	3.5	4.1	3.8	3.4
Long Term												
Full Simulation Period[a]	3.6	4.7	5.8	6.6	7.2	7.3	5.0	4.3	4.2	4.6	4.1	3.9
Water Year Types[b]												
Wet (31%)	4.1	7.4	11.1	9.6	12.4	12.2	8.4	6.3	5.8	5.1	4.4	4.7
Above Normal (25%)	3.2	3.5	4.5	11.8	11.2	9.9	5.5	4.2	3.8	4.4	4.0	3.7
Below Normal (6%)	3.6	3.5	3.4	5.3	7.0	6.0	3.7	3.8	3.7	4.5	4.0	3.6
Dry (13%)	3.5	4.1	4.2	4.2	4.4	5.9	3.9	3.6	3.9	4.7	4.3	3.7
Critical (25%)	3.5	3.6	3.9	4.2	3.6	3.8	3.3	3.2	3.6	4.4	3.8	3.5

Alternative 2A,2B,2C (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.8	6.6	11.8	11.6	13.4	12.7	8.7	5.5	5.4	5.7	5.0	6.1
20%	4.7	5.9	5.4	10.3	12.8	10.9	5.5	4.9	5.0	5.4	4.9	5.5
30%	4.6	4.7	5.4	7.8	7.7	8.2	4.8	4.6	4.9	5.4	4.9	4.8
40%	4.5	4.5	5.1	5.8	6.1	5.9	4.5	4.5	4.8	5.3	4.8	4.8
50%	4.5	4.5	5.1	5.5	5.5	5.6	4.5	4.5	4.7	5.2	4.8	4.6
60%	4.4	4.4	5.0	5.2	4.8	5.3	4.4	4.4	4.7	5.1	4.7	4.6
70%	4.4	4.4	4.7	4.9	4.6	4.7	4.3	4.4	4.6	4.9	4.7	4.6
80%	4.3	4.3	4.5	4.8	4.5	4.3	4.3	4.4	4.6	4.8	4.6	4.5
90%	4.2	4.2	4.5	4.5	4.3	4.3	4.2	4.2	4.4	4.6	4.5	4.3
Long Term												
Full Simulation Period[a]	4.5	5.1	6.4	6.9	7.4	7.3	5.6	4.8	4.9	5.2	4.8	4.9
Water Year Types[b]												
Wet (31%)	4.7	7.0	11.0	9.7	12.0	11.6	8.7	5.7	5.5	5.4	5.0	6.0
Above Normal (25%)	4.4	4.3	5.3	11.0	11.1	9.7	5.1	4.6	4.7	5.5	4.8	4.8
Below Normal (6%)	4.4	4.4	4.5	5.8	6.1	5.5	4.5	4.3	4.7	4.5	4.5	4.3
Dry (13%)	4.4	4.7	4.9	4.9	5.0	5.6	4.7	4.8	4.9	5.3	4.8	4.5
Critical (25%)	4.5	4.5	4.8	5.0	4.4	4.5	4.3	4.3	4.5	4.9	4.6	4.5

Alternative 2A,2B,2C (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.5	-1.1	-0.7	-0.2	-0.5	-0.4	-0.5	-0.2	1.0	0.6	0.5	1.6
20%	1.1	-0.5	0.2	0.2	-0.2	0.1	0.6	1.1	1.1	0.7	0.6	1.6
30%	1.0	0.8	0.6	0.1	-0.5	-0.8	0.5	0.8	1.0	0.7	0.6	1.0
40%	1.0	0.8	0.7	0.3	-0.8	-1.0	0.7	0.7	0.9	0.6	0.7	1.0
50%	1.0	0.9	0.9	0.3	0.2	-0.5	0.8	0.8	0.9	0.6	0.7	0.9
60%	1.0	0.9	0.9	0.6	0.9	-0.4	0.8	1.0	0.9	0.5	0.7	0.9
70%	1.0	1.0	0.8	0.9	0.8	0.3	0.8	1.0	0.9	0.4	0.7	1.0
80%	1.0	1.0	0.7	1.1	0.8	0.7	0.9	1.0	0.9	0.3	0.7	1.0
90%	1.0	1.0	1.1	1.0	1.0	1.0	1.0	1.1	0.9	0.4	0.8	0.9
Long Term												
Full Simulation Period[a]	0.9	0.5	0.6	0.4	0.3	-0.1	0.6	0.6	0.6	0.5	0.7	1.0
Water Year Types[b]												
Wet (31%)	0.6	-0.4	-0.1	0.1	-0.3	-0.6	0.3	-0.7	-0.3	0.3	0.6	1.2
Above Normal (25%)	1.2	0.8	0.8	-0.8	-0.1	-0.1	-0.3	0.4	0.8	1.1	0.8	1.1
Below Normal (6%)	0.8	0.9	1.1	0.5	-0.9	-0.5	0.7	0.5	1.0	0.0	0.5	0.8
Dry (13%)	1.0	0.6	0.7	0.7	0.6	-0.3	0.8	1.1	0.9	0.6	0.5	0.8
Critical (25%)	1.0	0.9	0.9	0.8	0.9	0.7	0.9	1.1	0.9	0.5	0.8	1.0

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-29-1-4. Sacramento River at Freeport, Monthly Averaged Daily Maximum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.3	7.7	12.5	11.7	13.9	13.1	9.2	5.7	4.5	5.1	4.5	4.5
20%	3.6	6.4	5.2	10.0	13.0	10.8	4.9	3.9	3.9	4.8	4.3	3.9
30%	3.6	3.9	4.7	7.8	8.1	9.0	4.4	3.9	3.9	4.7	4.2	3.8
40%	3.5	3.8	4.4	5.5	6.9	6.9	3.8	3.8	3.9	4.7	4.1	3.8
50%	3.5	3.6	4.2	5.2	5.3	6.1	3.7	3.7	3.8	4.6	4.1	3.7
60%	3.4	3.5	4.0	4.6	3.9	5.7	3.6	3.5	3.8	4.6	4.0	3.7
70%	3.4	3.5	3.9	4.0	3.8	4.4	3.6	3.4	3.7	4.5	3.9	3.6
80%	3.3	3.3	3.8	3.7	3.7	3.6	3.4	3.4	3.6	4.4	3.9	3.6
90%	3.3	3.2	3.4	3.5	3.3	3.3	3.3	3.1	3.5	4.1	3.8	3.4
Long Term												
Full Simulation Period[a]	3.6	4.7	5.8	6.6	7.2	7.3	5.0	4.3	4.2	4.6	4.1	3.9
Water Year Types[b]												
Wet (31%)	4.1	7.4	11.1	9.6	12.4	12.2	8.4	6.3	5.8	5.1	4.4	4.7
Above Normal (25%)	3.2	3.5	4.5	11.8	11.2	9.9	5.5	4.2	3.8	4.4	4.0	3.7
Below Normal (6%)	3.6	3.5	3.4	5.3	7.0	6.0	3.7	3.8	3.7	4.5	4.0	3.6
Dry (13%)	3.5	4.1	4.2	4.2	4.4	5.9	3.9	3.6	3.9	4.7	4.3	3.7
Critical (25%)	3.5	3.6	3.9	4.2	3.6	3.8	3.3	3.2	3.6	4.4	3.8	3.5

Alternative 3 (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	5.4	6.8	12.5	11.5	13.7	12.5	8.7	5.5	5.3	5.6	5.0	4.9
20%	5.1	5.8	5.5	10.5	12.6	10.6	5.4	4.9	4.9	5.4	4.9	4.7
30%	4.9	4.5	5.4	7.7	8.0	8.4	4.8	4.6	4.8	5.3	4.9	4.7
40%	4.7	4.5	5.1	5.8	6.1	5.9	4.6	4.5	4.7	5.2	4.8	4.6
50%	4.5	4.5	5.1	5.5	5.4	5.6	4.5	4.5	4.6	5.1	4.8	4.6
60%	4.4	4.4	4.9	5.1	4.7	5.2	4.4	4.5	4.6	5.0	4.7	4.5
70%	4.4	4.4	4.7	4.8	4.6	4.8	4.4	4.4	4.6	4.8	4.7	4.5
80%	4.4	4.3	4.6	4.7	4.6	4.3	4.4	4.4	4.5	4.7	4.6	4.4
90%	4.3	4.2	4.5	4.5	4.3	4.3	4.2	4.2	4.5	4.6	4.5	4.4
Long Term												
Full Simulation Period[a]	4.7	5.2	6.5	6.9	7.4	7.2	5.6	4.8	4.8	5.1	4.8	4.6
Water Year Types[b]												
Wet (31%)	4.7	7.2	11.3	9.5	12.0	11.3	8.8	5.7	5.4	5.3	5.0	5.0
Above Normal (25%)	4.8	4.3	5.2	11.3	11.4	9.3	5.2	4.6	4.7	5.1	4.7	4.5
Below Normal (6%)	5.0	4.4	4.6	5.8	6.1	5.4	4.4	4.3	4.5	4.4	4.5	4.4
Dry (13%)	4.4	4.7	5.0	5.0	4.9	5.9	4.7	4.7	4.7	5.4	4.9	4.5
Critical (25%)	5.0	4.4	4.7	4.9	4.5	4.5	4.3	4.3	4.5	4.8	4.6	4.5

Alternative 3 (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.0	-0.9	0.0	-0.2	-0.3	-0.6	-0.5	-0.2	0.8	0.5	0.5	0.3
20%	1.5	-0.6	0.3	0.5	-0.4	-0.2	0.4	1.0	1.0	0.7	0.6	0.8
30%	1.3	0.6	0.7	-0.1	-0.1	-0.6	0.5	0.7	0.9	0.7	0.6	0.8
40%	1.2	0.8	0.7	0.4	-0.8	-0.9	0.8	0.7	0.8	0.5	0.7	0.9
50%	1.1	0.9	0.9	0.3	0.1	-0.5	0.8	0.8	0.8	0.4	0.7	0.9
60%	1.0	0.9	0.9	0.5	0.8	-0.5	0.8	1.0	0.8	0.4	0.7	0.9
70%	1.0	1.0	0.8	0.8	0.8	0.4	0.9	1.0	0.9	0.3	0.8	1.0
80%	1.1	1.0	0.8	1.0	0.9	0.7	1.0	1.0	0.9	0.2	0.7	0.9
90%	1.0	1.0	1.1	1.0	1.0	1.0	1.0	1.1	0.9	0.5	0.7	0.9
Long Term												
Full Simulation Period[a]	1.1	0.5	0.7	0.4	0.3	-0.1	0.6	0.6	0.6	0.5	0.6	0.7
Water Year Types[b]												
Wet (31%)	0.6	-0.3	0.2	-0.1	-0.4	-0.9	0.3	-0.6	-0.4	0.2	0.6	0.2
Above Normal (25%)	1.5	0.8	0.8	-0.4	0.2	-0.5	-0.3	0.4	0.9	0.8	0.7	0.7
Below Normal (6%)	1.4	0.9	1.2	0.5	-0.9	-0.6	0.7	0.5	0.7	-0.1	0.5	0.9
Dry (13%)	0.9	0.6	0.8	0.8	0.5	0.0	0.8	1.1	0.8	0.7	0.5	0.8
Critical (25%)	1.5	0.9	0.8	0.7	0.9	0.7	1.0	1.1	0.9	0.4	0.8	1.0

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-29-1-5. Sacramento River at Freeport, Monthly Averaged Daily Maximum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.3	7.7	12.5	11.7	13.9	13.1	9.2	5.7	4.5	5.1	4.5	4.5
20%	3.6	6.4	5.2	10.0	13.0	10.8	4.9	3.9	3.9	4.8	4.3	3.9
30%	3.6	3.9	4.7	7.8	8.1	9.0	4.4	3.9	3.9	4.7	4.2	3.8
40%	3.5	3.8	4.4	5.5	6.9	6.9	3.8	3.8	3.9	4.7	4.1	3.8
50%	3.5	3.6	4.2	5.2	5.3	6.1	3.7	3.7	3.8	4.6	4.1	3.7
60%	3.4	3.5	4.0	4.6	3.9	5.7	3.6	3.5	3.8	4.6	4.0	3.7
70%	3.4	3.5	3.9	4.0	3.8	4.4	3.6	3.4	3.7	4.5	3.9	3.6
80%	3.3	3.3	3.8	3.7	3.7	3.6	3.4	3.4	3.6	4.4	3.9	3.6
90%	3.3	3.2	3.4	3.5	3.3	3.3	3.3	3.1	3.5	4.1	3.8	3.4
Long Term												
Full Simulation Period[a]	3.6	4.7	5.8	6.6	7.2	7.3	5.0	4.3	4.2	4.6	4.1	3.9
Water Year Types[b]												
Wet (31%)	4.1	7.4	11.1	9.6	12.4	12.2	8.4	6.3	5.8	5.1	4.4	4.7
Above Normal (25%)	3.2	3.5	4.5	11.8	11.2	9.9	5.5	4.2	3.8	4.4	4.0	3.7
Below Normal (6%)	3.6	3.5	3.4	5.3	7.0	6.0	3.7	3.8	3.7	4.5	4.0	3.6
Dry (13%)	3.5	4.1	4.2	4.2	4.4	5.9	3.9	3.6	3.9	4.7	4.3	3.7
Critical (25%)	3.5	3.6	3.9	4.2	3.6	3.8	3.3	3.2	3.6	4.4	3.8	3.5

Alternative 4 H1 (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.8	6.8	12.1	11.4	13.5	12.2	8.6	5.5	5.3	5.8	5.1	4.9
20%	4.7	5.8	5.6	10.2	12.3	10.4	5.5	4.9	5.0	5.6	5.0	4.9
30%	4.6	4.5	5.4	7.6	7.8	8.6	4.8	4.6	4.9	5.4	4.9	4.7
40%	4.6	4.5	5.2	5.6	6.1	5.9	4.5	4.5	4.7	5.3	4.9	4.6
50%	4.5	4.5	5.1	5.5	5.4	5.6	4.5	4.5	4.7	5.2	4.8	4.6
60%	4.4	4.4	5.0	5.4	4.8	5.2	4.4	4.4	4.7	5.0	4.7	4.6
70%	4.4	4.4	4.7	5.2	4.6	4.7	4.4	4.4	4.6	4.9	4.7	4.6
80%	4.3	4.2	4.5	5.0	4.5	4.3	4.3	4.4	4.5	4.8	4.6	4.5
90%	4.3	4.2	4.4	4.6	4.3	4.3	4.2	4.2	4.5	4.6	4.5	4.4
Long Term												
Full Simulation Period[a]	4.5	5.1	6.4	6.9	7.4	7.2	5.5	4.8	4.8	5.2	4.8	4.7
Water Year Types[b]												
Wet (31%)	4.7	7.1	11.0	9.4	11.9	11.3	8.5	5.6	5.4	5.5	5.0	5.0
Above Normal (25%)	4.4	4.3	5.2	11.2	11.3	9.4	5.1	4.6	4.6	5.5	4.8	4.5
Below Normal (6%)	4.6	4.4	4.5	5.8	6.1	5.5	4.5	4.3	4.7	4.5	4.5	4.4
Dry (13%)	4.4	4.7	4.9	4.9	4.9	5.8	4.7	4.7	4.9	5.4	4.9	4.6
Critical (25%)	4.5	4.4	4.8	5.1	4.5	4.5	4.3	4.3	4.5	4.8	4.6	4.5

Alternative 4 H1 (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.4	-0.9	-0.3	-0.3	-0.4	-0.9	-0.6	-0.2	0.8	0.8	0.6	0.4
20%	1.1	-0.6	0.3	0.2	-0.7	-0.4	0.6	1.1	1.0	0.8	0.8	1.0
30%	1.0	0.6	0.7	-0.2	-0.3	-0.4	0.5	0.8	1.0	0.8	0.7	0.8
40%	1.1	0.8	0.8	0.1	-0.8	-1.0	0.7	0.7	0.9	0.6	0.8	0.8
50%	1.1	0.8	0.9	0.3	0.1	-0.5	0.8	0.7	0.9	0.5	0.8	0.8
60%	1.0	0.9	0.9	0.8	0.9	-0.5	0.8	1.0	0.9	0.4	0.7	0.9
70%	1.0	1.0	0.8	1.2	0.8	0.2	0.8	1.0	0.9	0.4	0.8	1.0
80%	1.0	1.0	0.7	1.4	0.8	0.7	0.9	1.0	0.9	0.3	0.7	0.9
90%	1.0	0.9	1.0	1.1	1.0	1.0	1.0	1.1	0.9	0.4	0.7	1.0
Long Term												
Full Simulation Period[a]	0.9	0.5	0.6	0.4	0.2	-0.1	0.5	0.5	0.6	0.6	0.7	0.8
Water Year Types[b]												
Wet (31%)	0.5	-0.3	0.0	-0.2	-0.5	-0.9	0.1	-0.7	-0.4	0.4	0.7	0.3
Above Normal (25%)	1.1	0.8	0.8	-0.6	0.1	-0.5	-0.3	0.4	0.8	1.2	0.8	0.8
Below Normal (6%)	1.0	1.0	1.1	0.5	-1.0	-0.6	0.7	0.5	0.9	0.0	0.5	0.9
Dry (13%)	0.9	0.5	0.7	0.7	0.5	0.0	0.8	1.1	0.9	0.7	0.6	0.9
Critical (25%)	1.0	0.8	0.9	1.0	0.9	0.7	0.9	1.1	0.9	0.4	0.8	1.0

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-29-1-6. Sacramento River at Freeport, Monthly Averaged Daily Maximum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.3	7.7	12.5	11.7	13.9	13.1	9.2	5.7	4.5	5.1	4.5	4.5
20%	3.6	6.4	5.2	10.0	13.0	10.8	4.9	3.9	3.9	4.8	4.3	3.9
30%	3.6	3.9	4.7	7.8	8.1	9.0	4.4	3.9	3.9	4.7	4.2	3.8
40%	3.5	3.8	4.4	5.5	6.9	6.9	3.8	3.8	3.9	4.7	4.1	3.8
50%	3.5	3.6	4.2	5.2	5.3	6.1	3.7	3.7	3.8	4.6	4.1	3.7
60%	3.4	3.5	4.0	4.6	3.9	5.7	3.6	3.5	3.8	4.6	4.0	3.7
70%	3.4	3.5	3.9	4.0	3.8	4.4	3.6	3.4	3.7	4.5	3.9	3.6
80%	3.3	3.3	3.8	3.7	3.7	3.6	3.4	3.4	3.6	4.4	3.9	3.6
90%	3.3	3.2	3.4	3.5	3.3	3.3	3.3	3.1	3.5	4.1	3.8	3.4
Long Term												
Full Simulation Period[a]	3.6	4.7	5.8	6.6	7.2	7.3	5.0	4.3	4.2	4.6	4.1	3.9
Water Year Types[b]												
Wet (31%)	4.1	7.4	11.1	9.6	12.4	12.2	8.4	6.3	5.8	5.1	4.4	4.7
Above Normal (25%)	3.2	3.5	4.5	11.8	11.2	9.9	5.5	4.2	3.8	4.4	4.0	3.7
Below Normal (6%)	3.6	3.5	3.4	5.3	7.0	6.0	3.7	3.8	3.7	4.5	4.0	3.6
Dry (13%)	3.5	4.1	4.2	4.2	4.4	5.9	3.9	3.6	3.9	4.7	4.3	3.7
Critical (25%)	3.5	3.6	3.9	4.2	3.6	3.8	3.3	3.2	3.6	4.4	3.8	3.5

Alternative 4 H2 (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.9	6.9	12.3	11.4	13.6	12.2	8.8	5.5	5.1	5.4	5.0	4.9
20%	4.8	5.9	5.7	10.2	12.3	10.4	5.8	5.0	4.8	5.3	4.9	4.8
30%	4.8	4.5	5.4	7.6	7.9	8.8	5.6	4.8	4.8	5.1	4.9	4.6
40%	4.5	4.5	5.3	5.6	6.1	5.9	5.1	4.7	4.7	5.0	4.9	4.6
50%	4.4	4.5	5.0	5.5	5.4	5.7	4.5	4.6	4.6	5.0	4.8	4.6
60%	4.4	4.4	4.7	5.1	4.7	5.2	4.5	4.4	4.5	4.9	4.8	4.5
70%	4.4	4.4	4.6	5.0	4.6	4.7	4.4	4.4	4.5	4.8	4.8	4.5
80%	4.3	4.2	4.4	4.9	4.5	4.4	4.3	4.4	4.5	4.7	4.6	4.4
90%	4.3	4.2	4.4	4.7	4.3	4.3	4.2	4.2	4.4	4.6	4.5	4.4
Long Term												
Full Simulation Period[a]	4.5	5.2	6.4	6.9	7.4	7.2	5.8	4.8	4.8	5.0	4.8	4.7
Water Year Types[b]												
Wet (31%)	4.7	7.2	11.1	9.4	11.8	11.3	9.0	5.7	5.2	5.2	5.0	5.0
Above Normal (25%)	4.4	4.3	5.3	11.4	11.4	9.5	6.0	4.8	4.6	4.8	4.8	4.5
Below Normal (6%)	4.4	4.4	4.3	5.8	6.2	5.7	4.5	4.4	4.8	4.6	4.5	4.4
Dry (13%)	4.4	4.7	4.9	4.9	4.9	5.9	4.6	4.7	4.7	5.2	4.9	4.5
Critical (25%)	4.7	4.4	4.7	5.0	4.5	4.5	4.3	4.3	4.5	4.8	4.6	4.5

Alternative 4 H2 (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.6	-0.8	-0.2	-0.3	-0.4	-0.9	-0.4	-0.2	0.6	0.3	0.5	0.4
20%	1.2	-0.5	0.4	0.2	-0.7	-0.4	0.8	1.2	0.9	0.5	0.6	0.8
30%	1.2	0.6	0.7	-0.2	-0.2	-0.2	1.2	1.0	0.9	0.5	0.6	0.8
40%	1.0	0.7	0.9	0.1	-0.8	-1.0	1.3	0.8	0.8	0.4	0.7	0.9
50%	0.9	0.8	0.8	0.2	0.1	-0.4	0.8	0.8	0.8	0.3	0.8	0.9
60%	1.0	0.9	0.7	0.5	0.8	-0.5	0.8	1.0	0.8	0.3	0.8	0.9
70%	1.0	0.9	0.8	1.0	0.8	0.3	0.8	0.9	0.8	0.3	0.8	1.0
80%	1.0	1.0	0.6	1.2	0.8	0.7	0.9	1.0	0.8	0.3	0.7	0.9
90%	1.0	0.9	1.0	1.2	1.0	1.0	1.0	1.1	0.9	0.5	0.7	0.9
Long Term												
Full Simulation Period[a]	0.9	0.5	0.6	0.4	0.2	-0.1	0.7	0.6	0.5	0.4	0.7	0.7
Water Year Types[b]												
Wet (31%)	0.6	-0.3	0.1	-0.2	-0.6	-0.9	0.6	-0.6	-0.6	0.1	0.7	0.3
Above Normal (25%)	1.2	0.8	0.9	-0.4	0.1	-0.4	0.5	0.7	0.7	0.5	0.8	0.8
Below Normal (6%)	0.8	0.9	0.9	0.5	-0.8	-0.3	0.7	0.5	1.1	0.1	0.5	0.9
Dry (13%)	0.9	0.6	0.7	0.7	0.5	0.0	0.8	1.1	0.8	0.5	0.5	0.8
Critical (25%)	1.2	0.9	0.8	0.9	0.9	0.7	0.9	1.1	0.9	0.4	0.8	1.0

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-29-1-7. Sacramento River at Freeport, Monthly Averaged Daily Maximum Elevation

Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	4.3	7.7	12.5	11.7	13.9	13.1	9.2	5.7	4.5	5.1	4.5	4.5
20%	3.6	6.4	5.2	10.0	13.0	10.8	4.9	3.9	3.9	4.8	4.3	3.9
30%	3.6	3.9	4.7	7.8	8.1	9.0	4.4	3.9	3.9	4.7	4.2	3.8
40%	3.5	3.8	4.4	5.5	6.9	6.9	3.8	3.8	3.9	4.7	4.1	3.8
50%	3.5	3.6	4.2	5.2	5.3	6.1	3.7	3.7	3.8	4.6	4.1	3.7
60%	3.4	3.5	4.0	4.6	3.9	5.7	3.6	3.5	3.8	4.6	4.0	3.7
70%	3.4	3.5	3.9	4.0	3.8	4.4	3.6	3.4	3.7	4.5	3.9	3.6
80%	3.3	3.3	3.8	3.7	3.7	3.6	3.4	3.4	3.6	4.4	3.9	3.6
90%	3.3	3.2	3.4	3.5	3.3	3.3	3.3	3.1	3.5	4.1	3.8	3.4
Long Term												
Full Simulation Period[a]	3.6	4.7	5.8	6.6	7.2	7.3	5.0	4.3	4.2	4.6	4.1	3.9
Water Year Types[b]												
Wet (31%)	4.1	7.4	11.1	9.6	12.4	12.2	8.4	6.3	5.8	5.1	4.4	4.7
Above Normal (25%)	3.2	3.5	4.5	11.8	11.2	9.9	5.5	4.2	3.8	4.4	4.0	3.7
Below Normal (6%)	3.6	3.5	3.4	5.3	7.0	6.0	3.7	3.8	3.7	4.5	4.0	3.6
Dry (13%)	3.5	4.1	4.2	4.2	4.4	5.9	3.9	3.6	3.9	4.7	4.3	3.7
Critical (25%)	3.5	3.6	3.9	4.2	3.6	3.8	3.3	3.2	3.6	4.4	3.8	3.5

Alternative 4 H3 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	4.9	6.8	11.9	11.4	13.3	12.2	8.6	5.5	5.3	5.8	5.0	6.0
20%	4.7	5.8	5.4	10.2	12.3	10.4	5.5	4.9	5.0	5.6	5.0	5.7
30%	4.6	4.7	5.4	7.6	7.8	8.1	4.8	4.6	4.9	5.4	4.9	4.9
40%	4.6	4.5	5.3	5.6	6.1	5.9	4.5	4.5	4.9	5.3	4.8	4.8
50%	4.4	4.5	5.1	5.5	5.4	5.6	4.5	4.5	4.7	5.1	4.8	4.6
60%	4.4	4.4	5.0	5.5	4.8	5.2	4.4	4.4	4.7	5.0	4.7	4.6
70%	4.3	4.4	4.7	5.0	4.6	4.7	4.3	4.4	4.6	4.9	4.6	4.6
80%	4.3	4.2	4.5	4.8	4.5	4.3	4.3	4.4	4.5	4.8	4.6	4.5
90%	4.3	4.2	4.4	4.5	4.3	4.3	4.2	4.2	4.4	4.6	4.5	4.3
Long Term												
Full Simulation Period[a]	4.5	5.1	6.4	6.9	7.3	7.1	5.6	4.8	4.8	5.2	4.8	4.9
Water Year Types[b]												
Wet (31%)	4.6	7.0	10.9	9.4	11.8	11.1	8.6	5.6	5.4	5.5	5.0	5.9
Above Normal (25%)	4.5	4.3	5.3	11.0	11.0	9.4	5.1	4.6	4.6	5.5	4.8	4.9
Below Normal (6%)	4.4	4.4	4.3	5.8	6.1	5.5	4.5	4.3	4.9	4.5	4.5	4.3
Dry (13%)	4.4	4.7	4.9	4.9	4.9	5.6	4.6	4.8	4.9	5.4	4.8	4.6
Critical (25%)	4.5	4.5	4.8	5.0	4.4	4.5	4.3	4.3	4.5	4.8	4.6	4.5

Alternative 4 H3 (LLT) minus Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0.6	**-0.9**	**-0.6**	**-0.4**	**-0.7**	**-0.9**	**-0.6**	**-0.2**	0.8	0.8	0.5	1.5
20%	1.0	**-0.6**	0.2	0.2	**-0.7**	**-0.4**	0.6	1.1	1.1	0.8	0.7	1.7
30%	1.0	0.8	0.6	**-0.2**	**-0.3**	**-0.8**	0.4	0.8	1.0	0.7	0.7	1.0
40%	1.1	0.8	0.8	0.2	**-0.8**	**-1.0**	0.7	0.7	1.0	0.6	0.7	1.0
50%	0.9	0.9	1.0	0.3	0.1	**-0.5**	0.8	0.8	0.9	0.5	0.7	0.9
60%	1.0	0.9	1.0	0.9	0.9	**-0.5**	0.8	1.0	0.9	0.4	0.7	0.9
70%	1.0	1.0	0.8	1.0	0.8	0.2	0.8	1.0	0.9	0.4	0.7	1.0
80%	1.0	1.0	0.7	1.1	0.8	0.7	0.9	1.0	0.9	0.3	0.7	1.0
90%	1.0	0.9	1.0	1.0	1.0	1.0	1.0	1.1	0.9	0.4	0.7	0.9
Long Term												
Full Simulation Period[a]	0.9	0.5	0.6	0.3	0.2	**-0.2**	0.5	0.5	0.6	0.5	0.7	1.0
Water Year Types[b]												
Wet (31%)	0.5	**-0.4**	**-0.1**	**-0.2**	**-0.6**	**-1.1**	0.2	**-0.7**	**-0.4**	0.4	0.7	1.2
Above Normal (25%)	1.3	0.8	0.9	**-0.7**	**-0.2**	**-0.5**	**-0.3**	0.4	0.8	1.2	0.8	1.1
Below Normal (6%)	0.8	1.0	0.9	0.5	**-1.0**	**-0.6**	0.7	0.5	1.1	0.0	0.5	0.8
Dry (13%)	1.0	0.6	0.7	0.6	0.5	**-0.2**	0.8	1.1	1.0	0.7	0.5	0.9
Critical (25%)	1.0	0.9	0.9	0.9	0.9	0.7	0.9	1.1	0.9	0.4	0.8	1.0

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-29-1-8. Sacramento River at Freeport, Monthly Averaged Daily Maximum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.3	7.7	12.5	11.7	13.9	13.1	9.2	5.7	4.5	5.1	4.5	4.5
20%	3.6	6.4	5.2	10.0	13.0	10.8	4.9	3.9	3.9	4.8	4.3	3.9
30%	3.6	3.9	4.7	7.8	8.1	9.0	4.4	3.9	3.9	4.7	4.2	3.8
40%	3.5	3.8	4.4	5.5	6.9	6.9	3.8	3.8	3.9	4.7	4.1	3.8
50%	3.5	3.6	4.2	5.2	5.3	6.1	3.7	3.7	3.8	4.6	4.1	3.7
60%	3.4	3.5	4.0	4.6	3.9	5.7	3.6	3.5	3.8	4.6	4.0	3.7
70%	3.4	3.5	3.9	4.0	3.8	4.4	3.6	3.4	3.7	4.5	3.9	3.6
80%	3.3	3.3	3.8	3.7	3.7	3.6	3.4	3.4	3.6	4.4	3.9	3.6
90%	3.3	3.2	3.4	3.5	3.3	3.3	3.3	3.1	3.5	4.1	3.8	3.4
Long Term												
Full Simulation Period[a]	3.6	4.7	5.8	6.6	7.2	7.3	5.0	4.3	4.2	4.6	4.1	3.9
Water Year Types[b]												
Wet (31%)	4.1	7.4	11.1	9.6	12.4	12.2	8.4	6.3	5.8	5.1	4.4	4.7
Above Normal (25%)	3.2	3.5	4.5	11.8	11.2	9.9	5.5	4.2	3.8	4.4	4.0	3.7
Below Normal (6%)	3.6	3.5	3.4	5.3	7.0	6.0	3.7	3.8	3.7	4.5	4.0	3.6
Dry (13%)	3.5	4.1	4.2	4.2	4.4	5.9	3.9	3.6	3.9	4.7	4.3	3.7
Critical (25%)	3.5	3.6	3.9	4.2	3.6	3.8	3.3	3.2	3.6	4.4	3.8	3.5

Alternative 4 H4 (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.9	6.7	12.1	11.4	13.3	12.2	8.8	5.5	5.1	5.4	5.0	6.0
20%	4.7	5.8	5.4	10.2	12.3	10.4	5.8	5.0	4.8	5.2	4.9	5.8
30%	4.7	4.7	5.4	7.6	7.9	8.6	5.6	4.8	4.8	5.1	4.9	4.9
40%	4.6	4.5	5.2	5.6	6.1	5.9	5.1	4.7	4.7	5.0	4.9	4.6
50%	4.5	4.5	5.0	5.4	5.4	5.6	4.5	4.6	4.6	4.9	4.8	4.6
60%	4.4	4.4	4.7	5.1	4.7	5.2	4.5	4.4	4.6	4.9	4.8	4.6
70%	4.3	4.4	4.6	4.8	4.6	4.7	4.4	4.4	4.5	4.8	4.8	4.6
80%	4.3	4.3	4.5	4.5	4.5	4.3	4.3	4.4	4.5	4.7	4.6	4.6
90%	4.2	4.2	4.4	4.4	4.3	4.3	4.2	4.2	4.4	4.6	4.5	4.4
Long Term												
Full Simulation Period[a]	4.5	5.1	6.4	6.8	7.3	7.2	5.8	4.8	4.7	5.0	4.8	4.9
Water Year Types[b]												
Wet (31%)	4.7	7.0	11.0	9.4	11.8	11.2	9.0	5.7	5.2	5.2	5.0	5.9
Above Normal (25%)	4.5	4.3	5.3	11.3	11.1	9.4	6.0	4.8	4.6	4.8	4.8	4.9
Below Normal (6%)	4.3	4.4	4.5	5.8	6.1	5.5	4.5	4.4	4.7	4.6	4.4	4.4
Dry (13%)	4.4	4.7	4.8	4.9	4.9	5.8	4.6	4.7	4.7	5.1	4.9	4.5
Critical (25%)	4.5	4.5	4.7	4.8	4.5	4.5	4.3	4.3	4.5	4.8	4.6	4.5

Alternative 4 H4 (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.6	**-1.0**	**-0.4**	**-0.3**	**-0.7**	**-0.9**	**-0.4**	**-0.2**	0.6	0.3	0.5	1.4
20%	1.1	**-0.6**	0.2	0.2	**-0.7**	**-0.4**	0.8	1.2	0.9	0.4	0.6	1.9
30%	1.1	0.8	0.6	**-0.2**	**-0.2**	**-0.3**	1.2	1.0	0.8	0.4	0.6	1.1
40%	1.1	0.8	0.8	0.1	**-0.8**	**-1.0**	1.3	0.8	0.8	0.3	0.7	0.9
50%	1.0	0.9	0.8	0.2	0.1	**-0.5**	0.8	0.8	0.8	0.3	0.8	0.9
60%	0.9	0.9	0.7	0.5	0.8	**-0.5**	0.8	1.0	0.8	0.3	0.8	0.9
70%	1.0	1.0	0.8	0.8	0.8	0.2	0.8	0.9	0.8	0.3	0.8	1.0
80%	1.0	1.0	0.7	0.9	0.8	0.7	0.9	1.0	0.8	0.3	0.7	1.0
90%	1.0	1.0	1.0	0.9	1.0	1.0	1.0	1.1	0.9	0.5	0.7	0.9
Long Term												
Full Simulation Period[a]	0.9	0.5	0.6	0.3	0.2	**-0.1**	0.7	0.6	0.5	0.3	0.7	1.0
Water Year Types[b]												
Wet (31%)	0.6	**-0.4**	**-0.1**	**-0.2**	**-0.6**	**-1.0**	0.6	**-0.6**	**-0.6**	0.1	0.7	1.2
Above Normal (25%)	1.3	0.8	0.8	**-0.4**	**-0.2**	**-0.4**	0.5	0.6	0.7	0.5	0.8	1.2
Below Normal (6%)	0.7	1.0	1.1	0.5	**-0.9**	**-0.6**	0.7	0.5	1.0	0.1	0.4	0.8
Dry (13%)	0.9	0.6	0.6	0.6	0.5	**0.0**	0.7	1.1	0.8	0.4	0.5	0.8
Critical (25%)	1.0	0.9	0.8	0.6	0.9	0.7	0.9	1.1	0.9	0.4	0.8	1.0

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-29-1-9. Sacramento River at Freeport, Monthly Averaged Daily Maximum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.3	7.7	12.5	11.7	13.9	13.1	9.2	5.7	4.5	5.1	4.5	4.5
20%	3.6	6.4	5.2	10.0	13.0	10.8	4.9	3.9	3.9	4.8	4.3	3.9
30%	3.6	3.9	4.7	7.8	8.1	9.0	4.4	3.9	3.9	4.7	4.2	3.8
40%	3.5	3.8	4.4	5.5	6.9	6.9	3.8	3.8	3.9	4.7	4.1	3.8
50%	3.5	3.6	4.2	5.2	5.3	6.1	3.7	3.7	3.8	4.6	4.1	3.7
60%	3.4	3.5	4.0	4.6	3.9	5.7	3.6	3.5	3.8	4.6	4.0	3.7
70%	3.4	3.5	3.9	4.0	3.8	4.4	3.6	3.4	3.7	4.5	3.9	3.6
80%	3.3	3.3	3.8	3.7	3.7	3.6	3.4	3.4	3.6	4.4	3.9	3.6
90%	3.3	3.2	3.4	3.5	3.3	3.3	3.3	3.1	3.5	4.1	3.8	3.4
Long Term												
Full Simulation Period[a]	3.6	4.7	5.8	6.6	7.2	7.3	5.0	4.3	4.2	4.6	4.1	3.9
Water Year Types[b]												
Wet (31%)	4.1	7.4	11.1	9.6	12.4	12.2	8.4	6.3	5.8	5.1	4.4	4.7
Above Normal (25%)	3.2	3.5	4.5	11.8	11.2	9.9	5.5	4.2	3.8	4.4	4.0	3.7
Below Normal (6%)	3.6	3.5	3.4	5.3	7.0	6.0	3.7	3.8	3.7	4.5	4.0	3.6
Dry (13%)	3.5	4.1	4.2	4.2	4.4	5.9	3.9	3.6	3.9	4.7	4.3	3.7
Critical (25%)	3.5	3.6	3.9	4.2	3.6	3.8	3.3	3.2	3.6	4.4	3.8	3.5

Alternative 5 (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.8	6.9	12.6	11.9	14.0	12.9	9.1	5.5	5.2	5.8	5.2	5.9
20%	4.7	5.7	5.4	10.8	13.1	11.1	5.5	4.9	4.9	5.5	5.1	5.5
30%	4.6	4.7	5.4	7.8	8.3	8.7	4.9	4.6	4.8	5.5	5.0	4.7
40%	4.5	4.6	5.1	5.7	6.3	6.1	4.6	4.5	4.8	5.4	4.8	4.6
50%	4.4	4.5	5.1	5.6	5.4	5.8	4.5	4.5	4.7	5.3	4.8	4.6
60%	4.3	4.4	4.9	5.2	4.7	5.3	4.4	4.4	4.7	5.3	4.7	4.6
70%	4.3	4.4	4.7	4.9	4.7	4.7	4.4	4.4	4.6	5.0	4.7	4.6
80%	4.3	4.3	4.6	4.8	4.6	4.3	4.3	4.4	4.5	5.0	4.6	4.5
90%	4.2	4.2	4.5	4.5	4.3	4.3	4.2	4.2	4.4	4.7	4.5	4.3
Long Term												
Full Simulation Period[a]	4.5	5.2	6.5	7.1	7.6	7.4	5.7	4.8	4.8	5.3	4.8	4.9
Water Year Types[b]												
Wet (31%)	4.6	7.3	11.4	9.8	12.4	11.8	8.9	5.8	5.5	5.6	5.1	5.9
Above Normal (25%)	4.2	4.3	5.3	11.8	11.7	9.8	5.3	4.6	4.7	5.5	4.8	4.7
Below Normal (6%)	4.3	4.4	4.6	5.8	6.3	5.6	4.4	4.3	4.8	5.0	4.5	4.4
Dry (13%)	4.4	4.7	4.9	4.9	5.0	5.9	4.6	4.6	4.8	5.4	4.9	4.5
Critical (25%)	4.6	4.5	4.7	5.0	4.5	4.6	4.3	4.3	4.5	4.9	4.6	4.5

Alternative 5 (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.5	-0.8	0.1	0.2	0.1	-0.2	-0.1	-0.2	0.7	0.7	0.6	1.4
20%	1.0	-0.6	0.2	0.8	0.0	0.2	0.5	1.0	1.0	0.8	0.9	1.6
30%	1.0	0.8	0.6	0.1	0.2	-0.3	0.5	0.7	0.9	0.8	0.7	0.9
40%	1.0	0.9	0.7	0.3	-0.6	-0.7	0.8	0.7	0.9	0.8	0.7	0.9
50%	0.9	0.9	0.9	0.4	0.2	-0.3	0.8	0.7	0.9	0.7	0.7	0.9
60%	0.9	0.9	0.8	0.6	0.8	-0.4	0.8	1.0	0.9	0.7	0.7	0.9
70%	0.9	1.0	0.8	0.9	0.8	0.3	0.8	1.0	0.9	0.5	0.7	1.0
80%	1.0	1.0	0.8	1.1	0.8	0.7	1.0	1.0	0.9	0.5	0.7	0.9
90%	1.0	1.0	1.1	1.0	1.0	1.0	1.0	1.1	0.9	0.6	0.7	0.9
Long Term												
Full Simulation Period[a]	0.9	0.5	0.7	0.5	0.4	0.1	0.7	0.6	0.6	0.6	0.7	1.0
Water Year Types[b]												
Wet (31%)	0.5	-0.1	0.3	0.2	0.0	-0.4	0.5	-0.5	-0.3	0.4	0.7	1.2
Above Normal (25%)	1.0	0.8	0.8	0.0	0.4	-0.1	-0.2	0.4	0.9	1.1	0.7	1.0
Below Normal (6%)	0.7	1.0	1.2	0.5	-0.7	-0.4	0.7	0.5	1.0	0.5	0.5	0.8
Dry (13%)	0.9	0.6	0.7	0.7	0.6	0.0	0.8	1.0	0.8	0.7	0.6	0.8
Critical (25%)	1.1	0.9	0.8	0.8	0.9	0.7	1.0	1.1	0.9	0.5	0.8	1.0

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-29-1-10. Sacramento River at Freeport, Monthly Averaged Daily Maximum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.3	7.7	12.5	11.7	13.9	13.1	9.2	5.7	4.5	5.1	4.5	4.5
20%	3.6	6.4	5.2	10.0	13.0	10.8	4.9	3.9	3.9	4.8	4.3	3.9
30%	3.6	3.9	4.7	7.8	8.1	9.0	4.4	3.9	3.9	4.7	4.2	3.8
40%	3.5	3.8	4.4	5.5	6.9	6.9	3.8	3.8	3.9	4.7	4.1	3.8
50%	3.5	3.6	4.2	5.2	5.3	6.1	3.7	3.7	3.8	4.6	4.1	3.7
60%	3.4	3.5	4.0	4.6	3.9	5.7	3.6	3.5	3.8	4.6	4.0	3.7
70%	3.4	3.5	3.9	4.0	3.8	4.4	3.6	3.4	3.7	4.5	3.9	3.6
80%	3.3	3.3	3.8	3.7	3.7	3.6	3.4	3.4	3.6	4.4	3.9	3.6
90%	3.3	3.2	3.4	3.5	3.3	3.3	3.3	3.1	3.5	4.1	3.8	3.4
Long Term												
Full Simulation Period[a]	3.6	4.7	5.8	6.6	7.2	7.3	5.0	4.3	4.2	4.6	4.1	3.9
Water Year Types[b]												
Wet (31%)	4.1	7.4	11.1	9.6	12.4	12.2	8.4	6.3	5.8	5.1	4.4	4.7
Above Normal (25%)	3.2	3.5	4.5	11.8	11.2	9.9	5.5	4.2	3.8	4.4	4.0	3.7
Below Normal (6%)	3.6	3.5	3.4	5.3	7.0	6.0	3.7	3.8	3.7	4.5	4.0	3.6
Dry (13%)	3.5	4.1	4.2	4.2	4.4	5.9	3.9	3.6	3.9	4.7	4.3	3.7
Critical (25%)	3.5	3.6	3.9	4.2	3.6	3.8	3.3	3.2	3.6	4.4	3.8	3.5

Alternative 6A,6B,6C (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.8	7.1	12.1	10.9	13.3	12.3	8.7	5.2	5.0	5.3	5.1	5.6
20%	4.6	5.9	5.5	9.9	12.1	10.8	5.5	4.8	4.7	5.1	4.9	5.4
30%	4.5	4.7	5.4	7.8	7.7	8.4	4.8	4.6	4.7	5.0	4.9	4.8
40%	4.5	4.6	5.1	5.8	6.2	5.9	4.5	4.5	4.6	5.0	4.8	4.7
50%	4.5	4.5	5.0	5.6	5.5	5.7	4.5	4.5	4.6	5.0	4.8	4.7
60%	4.4	4.5	4.8	5.2	5.3	5.3	4.5	4.4	4.5	4.9	4.7	4.6
70%	4.4	4.5	4.6	4.9	4.7	4.7	4.3	4.4	4.5	4.9	4.7	4.6
80%	4.3	4.3	4.4	4.5	4.5	4.4	4.3	4.3	4.4	4.8	4.7	4.5
90%	4.3	4.2	4.4	4.4	4.3	4.2	4.2	4.2	4.4	4.8	4.6	4.4
Long Term												
Full Simulation Period[a]	4.5	5.2	6.4	6.8	7.4	7.2	5.6	4.8	4.7	5.0	4.8	4.8
Water Year Types[b]												
Wet (31%)	4.7	7.0	11.1	9.4	12.0	11.4	8.7	5.7	5.2	5.3	5.1	5.6
Above Normal (25%)	4.2	4.4	5.2	10.9	10.6	9.6	5.2	4.6	4.5	5.0	4.8	4.7
Below Normal (6%)	4.4	4.5	4.3	5.8	6.2	5.5	4.5	4.3	4.7	4.7	4.7	4.6
Dry (13%)	4.5	4.8	4.9	4.9	5.0	5.7	4.7	4.6	4.6	5.0	4.8	4.6
Critical (25%)	4.5	4.5	4.7	4.9	4.6	4.5	4.3	4.3	4.5	4.8	4.7	4.5

Alternative 6A,6B,6C (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.5	-0.6	-0.4	-0.8	-0.6	-0.8	-0.5	-0.5	0.5	0.2	0.6	1.0
20%	1.0	-0.5	0.3	-0.1	-0.9	0.0	0.5	0.9	0.8	0.3	0.7	1.4
30%	0.9	0.8	0.7	0.1	-0.4	-0.6	0.4	0.7	0.8	0.4	0.6	0.9
40%	1.0	0.9	0.7	0.4	-0.7	-1.0	0.7	0.7	0.8	0.3	0.7	0.9
50%	1.0	0.9	0.8	0.4	0.2	-0.4	0.8	0.8	0.7	0.4	0.8	0.9
60%	1.0	0.9	0.7	0.6	1.4	-0.4	0.8	1.0	0.7	0.3	0.7	1.0
70%	1.0	1.0	0.8	0.9	0.8	0.3	0.8	0.9	0.8	0.4	0.8	1.0
80%	1.1	1.0	0.6	0.9	0.8	0.7	0.9	0.9	0.8	0.4	0.8	1.0
90%	1.0	0.9	1.0	0.9	1.0	0.9	1.0	1.1	0.9	0.6	0.8	1.0
Long Term												
Full Simulation Period[a]	0.9	0.5	0.6	0.2	0.2	-0.1	0.6	0.5	0.4	0.3	0.7	0.9
Water Year Types[b]												
Wet (31%)	0.6	-0.4	0.0	-0.2	-0.4	-0.8	0.3	-0.6	-0.6	0.2	0.7	0.8
Above Normal (25%)	1.0	0.8	0.8	-0.9	-0.6	-0.2	-0.3	0.4	0.6	0.7	0.8	1.0
Below Normal (6%)	0.8	1.0	0.9	0.5	-0.9	-0.6	0.8	0.5	0.9	0.2	0.7	1.0
Dry (13%)	1.0	0.6	0.7	0.7	0.6	-0.1	0.8	0.9	0.7	0.3	0.5	0.9
Critical (25%)	1.0	0.9	0.8	0.7	1.0	0.6	0.9	1.1	0.9	0.4	0.9	1.0

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-29-1-11. Sacramento River at Freeport, Monthly Averaged Daily Maximum Elevation

Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.3	7.7	12.5	11.7	13.9	13.1	9.2	5.7	4.5	5.1	4.5	4.5
20%	3.6	6.4	5.2	10.0	13.0	10.8	4.9	3.9	3.9	4.8	4.3	3.9
30%	3.6	3.9	4.7	7.8	8.1	9.0	4.4	3.9	3.9	4.7	4.2	3.8
40%	3.5	3.8	4.4	5.5	6.9	6.9	3.8	3.8	3.9	4.7	4.1	3.8
50%	3.5	3.6	4.2	5.2	5.3	6.1	3.7	3.7	3.8	4.6	4.1	3.7
60%	3.4	3.5	4.0	4.6	3.9	5.7	3.6	3.5	3.8	4.6	4.0	3.7
70%	3.4	3.5	3.9	4.0	3.8	4.4	3.6	3.4	3.7	4.5	3.9	3.6
80%	3.3	3.3	3.8	3.7	3.7	3.6	3.4	3.4	3.6	4.4	3.9	3.6
90%	3.3	3.2	3.4	3.5	3.3	3.3	3.3	3.1	3.5	4.1	3.8	3.4
Long Term												
Full Simulation Period[a]	3.6	4.7	5.8	6.6	7.2	7.3	5.0	4.3	4.2	4.6	4.1	3.9
Water Year Types[b]												
Wet (31%)	4.1	7.4	11.1	9.6	12.4	12.2	8.4	6.3	5.8	5.1	4.4	4.7
Above Normal (25%)	3.2	3.5	4.5	11.8	11.2	9.9	5.5	4.2	3.8	4.4	4.0	3.7
Below Normal (6%)	3.6	3.5	3.4	5.3	7.0	6.0	3.7	3.8	3.7	4.5	4.0	3.6
Dry (13%)	3.5	4.1	4.2	4.2	4.4	5.9	3.9	3.6	3.9	4.7	4.3	3.7
Critical (25%)	3.5	3.6	3.9	4.2	3.6	3.8	3.3	3.2	3.6	4.4	3.8	3.5

Alternative 7 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.7	6.8	12.3	11.2	13.2	12.2	8.6	5.3	5.1	5.7	5.1	6.0
20%	4.6	5.8	5.4	10.3	12.2	10.3	5.4	4.8	4.8	5.3	4.9	5.6
30%	4.5	4.7	5.4	7.4	7.7	8.0	4.8	4.6	4.8	5.3	4.8	4.9
40%	4.5	4.6	5.1	5.6	6.0	5.8	4.5	4.5	4.7	5.3	4.8	4.6
50%	4.5	4.6	5.0	5.5	5.4	5.5	4.5	4.5	4.7	5.1	4.8	4.6
60%	4.4	4.5	4.8	5.1	5.2	5.2	4.5	4.4	4.7	5.0	4.7	4.6
70%	4.4	4.5	4.6	4.8	4.7	4.7	4.3	4.4	4.6	4.9	4.7	4.5
80%	4.4	4.3	4.4	4.5	4.5	4.4	4.3	4.3	4.5	4.9	4.7	4.5
90%	4.3	4.2	4.4	4.4	4.3	4.3	4.3	4.3	4.5	4.8	4.6	4.4
Long Term												
Full Simulation Period[a]	4.5	5.2	6.4	6.8	7.3	7.1	5.5	4.8	4.8	5.2	4.8	4.9
Water Year Types[b]												
Wet (31%)	4.7	7.1	11.1	9.3	11.7	11.1	8.5	5.6	5.4	5.4	5.0	5.9
Above Normal (25%)	4.2	4.4	5.2	11.3	10.9	9.0	5.1	4.6	4.7	5.1	4.8	4.9
Below Normal (6%)	4.4	4.5	4.4	5.8	6.0	5.6	4.5	4.4	4.5	5.0	4.6	4.4
Dry (13%)	4.5	4.7	4.8	4.9	4.9	5.7	4.6	4.6	4.7	5.4	4.9	4.5
Critical (25%)	4.4	4.5	4.7	4.8	4.6	4.5	4.3	4.4	4.5	4.8	4.7	4.5

Alternative 7 (LLT) minus Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.4	-0.8	-0.2	-0.5	-0.7	-0.9	-0.6	-0.4	0.6	0.7	0.6	1.5
20%	1.0	-0.6	0.2	0.3	-0.8	-0.5	0.4	0.9	0.9	0.6	0.6	1.6
30%	0.9	0.8	0.6	-0.3	-0.4	-1.0	0.4	0.7	0.9	0.6	0.6	1.0
40%	1.0	0.8	0.7	0.1	-0.9	-1.1	0.8	0.7	0.8	0.6	0.7	0.9
50%	1.0	0.9	0.8	0.3	0.1	-0.6	0.8	0.8	0.9	0.5	0.8	0.9
60%	1.0	0.9	0.7	0.5	1.3	-0.5	0.8	1.0	0.9	0.4	0.7	0.9
70%	1.0	1.0	0.8	0.8	0.8	0.3	0.8	1.0	0.9	0.5	0.8	1.0
80%	1.1	1.0	0.7	0.9	0.8	0.7	0.9	0.9	0.9	0.5	0.8	0.9
90%	1.0	1.0	1.0	0.9	1.0	1.0	1.0	1.1	0.9	0.6	0.9	0.9
Long Term												
Full Simulation Period[a]	0.9	0.5	0.6	0.2	0.2	-0.2	0.5	0.5	0.5	0.5	0.7	1.0
Water Year Types[b]												
Wet (31%)	0.6	-0.3	0.1	-0.3	-0.7	-1.1	0.0	-0.7	-0.4	0.3	0.6	1.2
Above Normal (25%)	1.0	0.8	0.7	-0.5	-0.3	-0.8	-0.3	0.4	0.8	0.8	0.8	1.2
Below Normal (6%)	0.8	1.0	0.9	0.4	-1.0	-0.5	0.8	0.5	0.8	0.5	0.6	0.9
Dry (13%)	1.0	0.6	0.6	0.7	0.5	-0.1	0.8	0.9	0.8	0.7	0.6	0.8
Critical (25%)	0.9	1.0	0.8	0.6	1.0	0.6	0.9	1.2	1.0	0.4	0.9	1.0

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-29-1-12. Sacramento River at Freeport, Monthly Averaged Daily Maximum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.3	7.7	12.5	11.7	13.9	13.1	9.2	5.7	4.5	5.1	4.5	4.5
20%	3.6	6.4	5.2	10.0	13.0	10.8	4.9	3.9	3.9	4.8	4.3	3.9
30%	3.6	3.9	4.7	7.8	8.1	9.0	4.4	3.9	3.9	4.7	4.2	3.8
40%	3.5	3.8	4.4	5.5	6.9	6.9	3.8	3.8	3.9	4.7	4.1	3.8
50%	3.5	3.6	4.2	5.2	5.3	6.1	3.7	3.7	3.8	4.6	4.1	3.7
60%	3.4	3.5	4.0	4.6	3.9	5.7	3.6	3.5	3.8	4.6	4.0	3.7
70%	3.4	3.5	3.9	4.0	3.8	4.4	3.6	3.4	3.7	4.5	3.9	3.6
80%	3.3	3.3	3.8	3.7	3.7	3.6	3.4	3.4	3.6	4.4	3.9	3.6
90%	3.3	3.2	3.4	3.5	3.3	3.3	3.3	3.1	3.5	4.1	3.8	3.4
Long Term												
Full Simulation Period[a]	3.6	4.7	5.8	6.6	7.2	7.3	5.0	4.3	4.2	4.6	4.1	3.9
Water Year Types[b]												
Wet (31%)	4.1	7.4	11.1	9.6	12.4	12.2	8.4	6.3	5.8	5.1	4.4	4.7
Above Normal (25%)	3.2	3.5	4.5	11.8	11.2	9.9	5.5	4.2	3.8	4.4	4.0	3.7
Below Normal (6%)	3.6	3.5	3.4	5.3	7.0	6.0	3.7	3.8	3.7	4.5	4.0	3.6
Dry (13%)	3.5	4.1	4.2	4.2	4.4	5.9	3.9	3.6	3.9	4.7	4.3	3.7
Critical (25%)	3.5	3.6	3.9	4.2	3.6	3.8	3.3	3.2	3.6	4.4	3.8	3.5

Alternative 8 (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.7	7.2	12.3	11.2	13.1	12.2	8.9	5.6	5.0	5.2	4.9	5.7
20%	4.5	5.9	5.4	10.3	12.2	10.2	5.8	5.0	4.7	4.9	4.8	5.4
30%	4.4	4.7	5.4	7.7	8.4	8.6	5.0	4.8	4.7	4.9	4.8	4.6
40%	4.4	4.6	5.1	6.0	5.9	6.2	4.8	4.6	4.7	4.9	4.8	4.6
50%	4.3	4.5	5.0	5.8	5.7	6.0	4.7	4.6	4.7	4.8	4.7	4.6
60%	4.3	4.5	4.8	5.3	5.3	5.5	4.6	4.6	4.6	4.8	4.6	4.6
70%	4.2	4.4	4.6	4.9	4.8	5.0	4.5	4.5	4.5	4.7	4.6	4.5
80%	4.2	4.2	4.4	4.5	4.5	4.6	4.5	4.4	4.5	4.7	4.6	4.4
90%	4.2	4.2	4.4	4.5	4.4	4.4	4.4	4.4	4.5	4.6	4.5	4.3
Long Term												
Full Simulation Period[a]	4.4	5.2	6.4	7.0	7.5	7.3	5.8	5.0	4.8	4.8	4.7	4.8
Water Year Types[b]												
Wet (31%)	4.6	7.3	11.2	9.5	11.7	11.1	8.6	6.1	5.4	5.1	4.9	5.7
Above Normal (25%)	4.2	4.3	5.2	11.5	11.0	9.2	5.5	4.8	4.6	4.7	4.6	4.6
Below Normal (6%)	4.2	4.4	4.3	6.0	6.9	6.0	4.7	4.8	4.5	4.5	4.5	4.3
Dry (13%)	4.3	4.7	4.9	5.0	5.2	6.2	4.9	4.6	4.6	4.8	4.7	4.5
Critical (25%)	4.3	4.5	4.7	4.9	4.6	4.7	4.4	4.4	4.5	4.7	4.6	4.5

Alternative 8 (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.3	-0.5	-0.2	-0.5	-0.8	-0.9	-0.3	-0.1	0.5	0.1	0.4	1.2
20%	0.8	-0.5	0.2	0.3	-0.8	-0.6	0.9	1.2	0.8	0.1	0.6	1.5
30%	0.8	0.8	0.6	-0.1	0.2	-0.4	0.7	1.0	0.8	0.2	0.6	0.8
40%	0.9	0.8	0.7	0.6	-1.0	-0.7	1.0	0.8	0.8	0.2	0.6	0.8
50%	0.8	0.9	0.8	0.5	0.4	-0.1	1.0	0.9	0.8	0.2	0.7	0.9
60%	0.8	0.9	0.7	0.7	1.4	-0.2	1.0	1.1	0.8	0.2	0.6	0.9
70%	0.9	1.0	0.8	0.9	1.0	0.6	1.0	1.1	0.8	0.2	0.7	1.0
80%	0.9	1.0	0.6	0.9	0.8	1.0	1.1	1.0	0.9	0.3	0.7	0.9
90%	0.9	0.9	1.0	1.0	1.1	1.1	1.1	1.2	0.9	0.4	0.7	0.9
Long Term												
Full Simulation Period[a]	0.8	0.6	0.6	0.4	0.3	0.0	0.7	0.7	0.5	0.2	0.6	0.9
Water Year Types[b]												
Wet (31%)	0.5	-0.1	0.1	-0.1	-0.7	-1.1	0.2	-0.2	-0.4	0.0	0.5	1.0
Above Normal (25%)	1.0	0.8	0.7	-0.3	-0.2	-0.7	0.1	0.6	0.7	0.3	0.6	0.9
Below Normal (6%)	0.6	0.9	0.9	0.7	-0.2	0.0	1.0	1.0	0.7	0.0	0.5	0.8
Dry (13%)	0.8	0.6	0.7	0.8	0.8	0.4	1.1	1.0	0.7	0.2	0.4	0.8
Critical (25%)	0.8	0.9	0.8	0.7	1.0	0.8	1.0	1.2	1.0	0.4	0.8	0.9

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-29-1-13. Sacramento River at Freeport, Monthly Averaged Daily Maximum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.3	7.7	12.5	11.7	13.9	13.1	9.2	5.7	4.5	5.1	4.5	4.5
20%	3.6	6.4	5.2	10.0	13.0	10.8	4.9	3.9	3.9	4.8	4.3	3.9
30%	3.6	3.9	4.7	7.8	8.1	9.0	4.4	3.9	3.9	4.7	4.2	3.8
40%	3.5	3.8	4.4	5.5	6.9	6.9	3.8	3.8	3.9	4.7	4.1	3.8
50%	3.5	3.6	4.2	5.2	5.3	6.1	3.7	3.7	3.8	4.6	4.1	3.7
60%	3.4	3.5	4.0	4.6	3.9	5.7	3.6	3.5	3.8	4.6	4.0	3.7
70%	3.4	3.5	3.9	4.0	3.8	4.4	3.6	3.4	3.7	4.5	3.9	3.6
80%	3.3	3.3	3.8	3.7	3.7	3.6	3.4	3.4	3.6	4.4	3.9	3.6
90%	3.3	3.2	3.4	3.5	3.3	3.3	3.3	3.1	3.5	4.1	3.8	3.4
Long Term												
Full Simulation Period[a]	3.6	4.7	5.8	6.6	7.2	7.3	5.0	4.3	4.2	4.6	4.1	3.9
Water Year Types[b]												
Wet (31%)	4.1	7.4	11.1	9.6	12.4	12.2	8.4	6.3	5.8	5.1	4.4	4.7
Above Normal (25%)	3.2	3.5	4.5	11.8	11.2	9.9	5.5	4.2	3.8	4.4	4.0	3.7
Below Normal (6%)	3.6	3.5	3.4	5.3	7.0	6.0	3.7	3.8	3.7	4.5	4.0	3.6
Dry (13%)	3.5	4.1	4.2	4.2	4.4	5.9	3.9	3.6	3.9	4.7	4.3	3.7
Critical (25%)	3.5	3.6	3.9	4.2	3.6	3.8	3.3	3.2	3.6	4.4	3.8	3.5

Alternative 9 (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.8	7.1	12.9	12.5	14.5	13.5	9.3	5.7	5.1	5.6	5.2	6.7
20%	4.7	5.9	5.3	11.4	13.6	11.6	5.5	4.9	4.9	5.5	5.1	6.1
30%	4.6	5.0	5.3	8.1	8.8	9.0	4.9	4.7	4.8	5.4	5.1	5.2
40%	4.5	4.6	5.1	5.8	6.6	6.4	4.5	4.6	4.8	5.4	5.1	4.6
50%	4.4	4.6	4.9	5.7	5.6	6.1	4.5	4.4	4.7	5.3	5.0	4.6
60%	4.4	4.5	4.7	5.1	4.7	5.5	4.4	4.4	4.7	5.2	4.9	4.6
70%	4.3	4.4	4.6	4.7	4.5	4.7	4.4	4.4	4.6	5.0	4.8	4.6
80%	4.3	4.2	4.5	4.4	4.4	4.3	4.3	4.3	4.5	4.9	4.7	4.5
90%	4.3	4.2	4.4	4.3	4.2	4.2	4.2	4.2	4.5	4.8	4.6	4.4
Long Term												
Full Simulation Period[a]	4.5	5.3	6.5	7.2	7.8	7.6	5.7	4.9	4.8	5.3	4.9	5.1
Water Year Types[b]												
Wet (31%)	4.8	7.4	11.7	10.3	12.9	12.3	9.1	6.0	5.5	5.5	5.2	6.5
Above Normal (25%)	4.2	4.4	5.1	12.4	12.2	10.3	5.6	4.6	4.6	5.5	5.0	5.2
Below Normal (6%)	4.5	4.8	4.5	5.8	6.6	6.0	4.5	4.3	4.7	4.9	4.7	4.5
Dry (13%)	4.5	4.7	4.8	4.8	5.0	6.0	4.6	4.8	4.8	5.3	5.0	4.5
Critical (25%)	4.4	4.6	4.7	4.8	4.4	4.5	4.2	4.3	4.5	5.0	4.7	4.5

Alternative 9 (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.5	-0.6	0.4	0.8	0.6	0.4	0.1	0.0	0.6	0.5	0.7	2.1
20%	1.0	-0.5	0.1	1.4	0.6	0.8	0.6	1.0	1.0	0.8	0.9	2.1
30%	1.0	1.1	0.6	0.3	0.7	0.1	0.6	0.8	0.9	0.8	0.9	1.3
40%	1.0	0.9	0.7	0.3	-0.3	-0.5	0.7	0.8	0.9	0.7	0.9	0.9
50%	1.0	1.0	0.8	0.5	0.3	0.0	0.8	0.7	0.9	0.7	1.0	0.9
60%	0.9	0.9	0.7	0.6	0.8	-0.2	0.8	0.9	0.9	0.6	0.9	0.9
70%	1.0	1.0	0.7	0.7	0.7	0.3	0.8	1.0	0.9	0.5	0.9	1.0
80%	1.0	1.0	0.7	0.7	0.7	0.6	0.9	0.9	0.8	0.5	0.8	1.0
90%	1.0	1.0	1.0	0.8	0.9	0.9	1.0	1.0	0.9	0.7	0.8	1.0
Long Term												
Full Simulation Period[a]	0.9	0.6	0.7	0.6	0.6	0.3	0.7	0.6	0.6	0.6	0.8	1.2
Water Year Types[b]												
Wet (31%)	0.7	0.0	0.7	0.7	0.6	0.1	0.6	-0.4	-0.3	0.4	0.9	1.8
Above Normal (25%)	0.9	0.8	0.7	0.6	1.0	0.4	0.1	0.4	0.7	1.1	1.0	1.4
Below Normal (6%)	0.8	1.3	1.1	0.5	-0.4	-0.1	0.7	0.4	0.9	0.4	0.7	1.0
Dry (13%)	1.0	0.6	0.6	0.6	0.6	0.2	0.8	1.1	0.9	0.6	0.7	0.8
Critical (25%)	1.0	1.0	0.8	0.7	0.8	0.7	0.9	1.1	0.9	0.6	0.9	1.0

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-29-1-14. Sacramento River at Freeport, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	5.3	7.4	13.3	13.0	14.7	13.6	10.0	6.1	5.7	6.5	5.9	6.8
20%	5.1	6.3	6.1	11.9	13.9	12.1	6.2	5.4	5.5	6.4	5.7	6.3
30%	5.0	5.5	6.0	8.9	9.5	9.9	5.5	5.2	5.4	6.3	5.7	5.6
40%	5.0	5.2	5.7	6.6	7.4	7.5	5.1	5.1	5.3	6.3	5.6	5.2
50%	5.0	5.1	5.6	6.4	6.3	6.9	5.0	4.9	5.3	6.1	5.5	5.2
60%	5.0	5.0	5.4	5.9	5.4	6.2	5.0	4.9	5.2	6.0	5.5	5.1
70%	4.9	5.0	5.2	5.5	5.1	5.4	4.9	4.9	5.2	5.9	5.4	5.1
80%	4.8	4.9	5.1	5.4	5.1	4.9	4.8	4.9	5.2	5.6	5.3	5.1
90%	4.8	4.8	5.0	5.0	4.8	4.8	4.7	4.7	5.1	5.5	5.2	4.9
Long Term												
Full Simulation Period[a]	5.0	5.8	7.1	7.9	8.3	8.2	6.3	5.4	5.4	6.1	5.5	5.6
Water Year Types[b]												
Wet (31%)	5.3	7.8	12.0	10.9	13.3	12.6	9.5	6.4	6.0	6.3	5.8	6.7
Above Normal (25%)	4.8	4.9	5.9	12.7	12.6	10.9	6.2	5.2	5.2	6.2	5.6	5.6
Below Normal (6%)	5.0	5.2	5.1	6.6	7.4	6.6	5.0	4.9	5.3	5.6	5.3	5.1
Dry (13%)	5.0	5.3	5.4	5.5	5.6	6.7	5.2	5.2	5.4	6.2	5.6	5.1
Critical (25%)	5.0	5.1	5.3	5.6	5.0	5.1	4.8	4.8	5.1	5.7	5.2	5.1

Alternative 1A,1B,1C (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	5.3	6.7	12.1	11.6	13.5	12.8	8.8	5.4	5.3	5.6	5.1	4.9
20%	5.1	5.8	5.6	10.2	12.8	10.9	5.4	4.9	5.0	5.5	4.9	4.8
30%	4.9	4.9	5.4	7.9	7.8	8.6	4.9	4.6	4.9	5.4	4.9	4.7
40%	4.7	4.5	5.2	5.8	6.2	5.9	4.6	4.5	4.7	5.2	4.8	4.6
50%	4.6	4.5	5.1	5.7	5.5	5.6	4.5	4.5	4.7	5.0	4.8	4.6
60%	4.4	4.5	4.9	5.2	4.8	5.3	4.5	4.5	4.6	5.0	4.7	4.6
70%	4.4	4.4	4.7	4.8	4.7	4.8	4.5	4.4	4.6	4.8	4.7	4.6
80%	4.3	4.3	4.6	4.6	4.6	4.3	4.4	4.4	4.5	4.7	4.6	4.5
90%	4.3	4.2	4.5	4.5	4.4	4.3	4.3	4.2	4.5	4.6	4.5	4.4
Long Term												
Full Simulation Period[a]	4.7	5.2	6.5	7.0	7.5	7.4	5.7	4.8	4.8	5.1	4.8	4.7
Water Year Types[b]												
Wet (31%)	4.7	7.4	11.1	9.7	12.1	11.7	8.8	5.7	5.4	5.4	5.0	5.1
Above Normal (25%)	4.6	4.3	5.3	11.3	11.3	9.8	5.2	4.6	4.8	5.1	4.7	4.5
Below Normal (6%)	5.4	4.5	4.6	5.8	6.2	5.4	4.5	4.4	4.6	4.4	4.5	4.4
Dry (13%)	4.4	4.7	5.0	5.1	5.0	5.9	4.7	4.7	4.8	5.4	5.0	4.6
Critical (25%)	4.9	4.4	4.8	4.9	4.5	4.5	4.3	4.3	4.5	4.8	4.6	4.5

Alternative 1A,1B,1C (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.0	-0.7	-1.2	-1.4	-1.1	-0.8	-1.2	-0.7	-0.4	-1.0	-0.8	-1.9
20%	0.0	-0.5	-0.6	-1.6	-1.1	-1.2	-0.8	-0.5	-0.5	-0.9	-0.8	-1.5
30%	-0.1	-0.5	-0.5	-1.0	-1.8	-1.3	-0.6	-0.6	-0.5	-0.9	-0.8	-1.0
40%	-0.3	-0.7	-0.4	-0.8	-1.2	-1.6	-0.4	-0.6	-0.6	-1.1	-0.8	-0.6
50%	-0.5	-0.6	-0.5	-0.7	-0.7	-1.3	-0.5	-0.4	-0.6	-1.1	-0.8	-0.6
60%	-0.6	-0.5	-0.5	-0.6	-0.6	-0.9	-0.5	-0.5	-0.6	-1.0	-0.8	-0.6
70%	-0.5	-0.6	-0.5	-0.7	-0.5	-0.5	-0.4	-0.5	-0.6	-1.1	-0.7	-0.6
80%	-0.5	-0.6	-0.5	-0.8	-0.5	-0.5	-0.5	-0.5	-0.7	-0.9	-0.7	-0.6
90%	-0.6	-0.6	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.6	-0.9	-0.7	-0.6
Long Term												
Full Simulation Period[a]	-0.3	-0.6	-0.6	-0.9	-0.8	-0.9	-0.6	-0.5	-0.6	-0.9	-0.7	-0.9
Water Year Types[b]												
Wet (31%)	-0.6	-0.4	-0.9	-1.2	-1.2	-0.9	-0.7	-0.7	-0.6	-1.0	-0.8	-1.7
Above Normal (25%)	-0.2	-0.6	-0.5	-1.4	-1.3	-1.2	-1.0	-0.6	-0.4	-1.1	-0.9	-1.1
Below Normal (6%)	0.3	-0.7	-0.5	-0.8	-1.2	-1.2	-0.6	-0.5	-0.7	-1.1	-0.8	-0.7
Dry (13%)	-0.6	-0.6	-0.5	-0.5	-0.6	-0.8	-0.5	-0.4	-0.6	-0.8	-0.7	-0.5
Critical (25%)	-0.1	-0.7	-0.5	-0.7	-0.4	-0.6	-0.5	-0.4	-0.6	-0.9	-0.6	-0.5

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-29-1-15. Sacramento River at Freeport, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	5.3	7.4	13.3	13.0	14.7	13.6	10.0	6.1	5.7	6.5	5.9	6.8
20%	5.1	6.3	6.1	11.9	13.9	12.1	6.2	5.4	5.5	6.4	5.7	6.3
30%	5.0	5.5	6.0	8.9	9.5	9.9	5.5	5.2	5.4	6.3	5.7	5.6
40%	5.0	5.2	5.7	6.6	7.4	7.5	5.1	5.1	5.3	6.3	5.6	5.2
50%	5.0	5.1	5.6	6.4	6.3	6.9	5.0	4.9	5.3	6.1	5.5	5.2
60%	5.0	5.0	5.4	5.9	5.4	6.2	5.0	4.9	5.2	6.0	5.5	5.1
70%	4.9	5.0	5.2	5.5	5.1	5.4	4.9	4.9	5.2	5.9	5.4	5.1
80%	4.8	4.9	5.1	5.4	5.1	4.9	4.8	4.9	5.2	5.6	5.3	5.1
90%	4.8	4.8	5.0	5.0	4.8	4.8	4.7	4.7	5.1	5.5	5.2	4.9
Long Term												
Full Simulation Period[a]	5.0	5.8	7.1	7.9	8.3	8.2	6.3	5.4	5.4	6.1	5.5	5.6
Water Year Types[b]												
Wet (31%)	5.3	7.8	12.0	10.9	13.3	12.6	9.5	6.4	6.0	6.3	5.8	6.7
Above Normal (25%)	4.8	4.9	5.9	12.7	12.6	10.9	6.2	5.2	5.2	6.2	5.6	5.6
Below Normal (6%)	5.0	5.2	5.1	6.6	7.4	6.6	5.0	4.9	5.3	5.6	5.3	5.1
Dry (13%)	5.0	5.3	5.4	5.5	5.6	6.7	5.2	5.2	5.4	6.2	5.6	5.1
Critical (25%)	5.0	5.1	5.3	5.6	5.0	5.1	4.8	4.8	5.1	5.7	5.2	5.1

Alternative 2A,2B,2C (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.8	6.6	11.8	11.6	13.4	12.7	8.7	5.5	5.4	5.7	5.0	6.1
20%	4.7	5.9	5.4	10.3	12.8	10.9	5.5	4.9	5.0	5.4	4.9	5.5
30%	4.6	4.7	5.4	7.8	7.7	8.2	4.8	4.6	4.9	5.4	4.9	4.8
40%	4.5	4.5	5.1	5.8	6.1	5.9	4.5	4.5	4.8	5.3	4.8	4.8
50%	4.5	4.5	5.1	5.5	5.5	5.6	4.5	4.5	4.7	5.2	4.8	4.6
60%	4.4	4.4	5.0	5.2	4.8	5.3	4.4	4.4	4.7	5.1	4.7	4.6
70%	4.4	4.4	4.7	4.9	4.6	4.7	4.3	4.4	4.6	4.9	4.7	4.6
80%	4.3	4.3	4.5	4.8	4.5	4.3	4.3	4.4	4.6	4.8	4.6	4.5
90%	4.2	4.2	4.5	4.5	4.3	4.3	4.2	4.2	4.4	4.6	4.5	4.3
Long Term												
Full Simulation Period[a]	4.5	5.1	6.4	6.9	7.4	7.3	5.6	4.8	4.9	5.2	4.8	4.9
Water Year Types[b]												
Wet (31%)	4.7	7.0	11.0	9.7	12.0	11.6	8.7	5.7	5.5	5.4	5.0	6.0
Above Normal (25%)	4.4	4.3	5.3	11.0	11.1	9.7	5.1	4.6	4.7	5.5	4.8	4.8
Below Normal (6%)	4.4	4.4	4.5	5.8	6.1	5.5	4.5	4.3	4.7	4.5	4.5	4.3
Dry (13%)	4.4	4.7	4.9	4.9	5.0	5.6	4.7	4.8	4.9	5.3	4.8	4.5
Critical (25%)	4.5	4.5	4.8	5.0	4.4	4.5	4.3	4.3	4.5	4.9	4.6	4.5

Alternative 2A,2B,2C (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-0.5	-0.8	-1.5	-1.5	-1.2	-1.0	-1.3	-0.6	-0.2	-0.8	-0.8	-0.7
20%	-0.4	-0.4	-0.7	-1.6	-1.1	-1.2	-0.7	-0.5	-0.4	-1.0	-0.8	-0.7
30%	-0.4	-0.8	-0.6	-1.1	-1.9	-1.7	-0.7	-0.6	-0.5	-0.9	-0.8	-0.8
40%	-0.5	-0.7	-0.5	-0.8	-1.2	-1.6	-0.6	-0.5	-0.5	-1.0	-0.8	-0.5
50%	-0.5	-0.6	-0.6	-0.9	-0.8	-1.3	-0.6	-0.5	-0.5	-0.9	-0.8	-0.6
60%	-0.6	-0.6	-0.4	-0.7	-0.6	-0.9	-0.6	-0.5	-0.6	-0.9	-0.7	-0.6
70%	-0.5	-0.6	-0.5	-0.6	-0.5	-0.7	-0.6	-0.5	-0.6	-1.0	-0.7	-0.6
80%	-0.5	-0.6	-0.6	-0.6	-0.6	-0.5	-0.5	-0.5	-0.6	-0.9	-0.7	-0.5
90%	-0.6	-0.6	-0.5	-0.4	-0.5	-0.5	-0.5	-0.5	-0.6	-0.9	-0.7	-0.6
Long Term												
Full Simulation Period[a]	-0.5	-0.6	-0.7	-0.9	-0.9	-1.0	-0.7	-0.5	-0.6	-0.9	-0.7	-0.6
Water Year Types[b]												
Wet (31%)	-0.6	-0.8	-1.0	-1.2	-1.2	-1.1	-0.8	-0.8	-0.5	-0.9	-0.8	-0.7
Above Normal (25%)	-0.3	-0.6	-0.6	-1.7	-1.5	-1.2	-1.1	-0.6	-0.6	-0.8	-0.8	-0.8
Below Normal (6%)	-0.6	-0.8	-0.6	-0.8	-1.2	-1.1	-0.6	-0.6	-0.5	-1.1	-0.8	-0.7
Dry (13%)	-0.6	-0.6	-0.6	-0.7	-0.7	-1.1	-0.5	-0.4	-0.5	-0.9	-0.8	-0.6
Critical (25%)	-0.5	-0.6	-0.5	-0.6	-0.5	-0.6	-0.5	-0.4	-0.6	-0.9	-0.6	-0.5

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-29-1-16. Sacramento River at Freeport, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	5.3	7.4	13.3	13.0	14.7	13.6	10.0	6.1	5.7	6.5	5.9	6.8
20%	5.1	6.3	6.1	11.9	13.9	12.1	6.2	5.4	5.5	6.4	5.7	6.3
30%	5.0	5.5	6.0	8.9	9.5	9.9	5.5	5.2	5.4	6.3	5.7	5.6
40%	5.0	5.2	5.7	6.6	7.4	7.5	5.1	5.1	5.3	6.3	5.6	5.2
50%	5.0	5.1	5.6	6.4	6.3	6.9	5.0	4.9	5.3	6.1	5.5	5.2
60%	5.0	5.0	5.4	5.9	5.4	6.2	5.0	4.9	5.2	6.0	5.5	5.1
70%	4.9	5.0	5.2	5.5	5.1	5.4	4.9	4.9	5.2	5.9	5.4	5.1
80%	4.8	4.9	5.1	5.4	5.1	4.9	4.8	4.9	5.2	5.6	5.3	5.1
90%	4.8	4.8	5.0	5.0	4.8	4.8	4.7	4.7	5.1	5.5	5.2	4.9
Long Term												
Full Simulation Period[a]	5.0	5.8	7.1	7.9	8.3	8.2	6.3	5.4	5.4	6.1	5.5	5.6
Water Year Types[b]												
Wet (31%)	5.3	7.8	12.0	10.9	13.3	12.6	9.5	6.4	6.0	6.3	5.8	6.7
Above Normal (25%)	4.8	4.9	5.9	12.7	12.6	10.9	6.2	5.2	5.2	6.2	5.6	5.6
Below Normal (6%)	5.0	5.2	5.1	6.6	7.4	6.6	5.0	4.9	5.3	5.6	5.3	5.1
Dry (13%)	5.0	5.3	5.4	5.5	5.6	6.7	5.2	5.2	5.4	6.2	5.6	5.1
Critical (25%)	5.0	5.1	5.3	5.6	5.0	5.1	4.8	4.8	5.1	5.7	5.2	5.1

Alternative 3 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	5.4	6.8	12.5	11.5	13.7	12.5	8.7	5.5	5.3	5.6	5.0	4.9
20%	5.1	5.8	5.5	10.5	12.6	10.6	5.4	4.9	4.9	5.4	4.9	4.7
30%	4.9	4.5	5.4	7.7	8.0	8.4	4.8	4.6	4.8	5.3	4.9	4.7
40%	4.7	4.5	5.1	5.8	6.1	5.9	4.6	4.5	4.7	5.2	4.8	4.6
50%	4.5	4.5	5.1	5.5	5.4	5.6	4.5	4.5	4.6	5.1	4.8	4.6
60%	4.4	4.4	4.9	5.1	4.7	5.2	4.4	4.5	4.6	5.0	4.7	4.5
70%	4.4	4.4	4.7	4.8	4.6	4.8	4.4	4.4	4.6	4.8	4.7	4.5
80%	4.4	4.3	4.6	4.7	4.6	4.3	4.4	4.4	4.5	4.7	4.6	4.4
90%	4.3	4.2	4.5	4.5	4.3	4.3	4.2	4.2	4.5	4.6	4.5	4.4
Long Term												
Full Simulation Period[a]	4.7	5.2	6.5	6.9	7.4	7.2	5.6	4.8	4.8	5.1	4.8	4.6
Water Year Types[b]												
Wet (31%)	4.7	7.2	11.3	9.5	12.0	11.3	8.8	5.7	5.4	5.3	5.0	5.0
Above Normal (25%)	4.8	4.3	5.2	11.3	11.4	9.3	5.2	4.6	4.7	5.1	4.7	4.5
Below Normal (6%)	5.0	4.4	4.6	5.8	6.1	5.4	4.4	4.3	4.5	4.4	4.5	4.4
Dry (13%)	4.4	4.7	5.0	5.0	4.9	5.9	4.7	4.7	4.7	5.4	4.9	4.5
Critical (25%)	5.0	4.4	4.7	4.9	4.5	4.5	4.3	4.3	4.5	4.8	4.6	4.5

Alternative 3 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0.1	**-0.5**	**-0.8**	**-1.5**	**-1.0**	**-1.2**	**-1.2**	**-0.6**	**-0.4**	**-0.9**	**-0.9**	**-2.0**
20%	0.0	**-0.5**	**-0.6**	**-1.3**	**-1.3**	**-1.5**	**-0.9**	**-0.5**	**-0.6**	**-1.0**	**-0.8**	**-1.6**
30%	**-0.1**	**-0.9**	**-0.5**	**-1.2**	**-1.6**	**-1.5**	**-0.6**	**-0.6**	**-0.5**	**-1.0**	**-0.8**	**-1.0**
40%	**-0.4**	**-0.7**	**-0.5**	**-0.8**	**-1.3**	**-1.5**	**-0.5**	**-0.6**	**-0.6**	**-1.1**	**-0.8**	**-0.6**
50%	**-0.5**	**-0.7**	**-0.5**	**-0.9**	**-0.9**	**-1.3**	**-0.6**	**-0.5**	**-0.6**	**-1.0**	**-0.8**	**-0.6**
60%	**-0.6**	**-0.6**	**-0.5**	**-0.7**	**-0.6**	**-1.0**	**-0.5**	**-0.5**	**-0.6**	**-1.0**	**-0.8**	**-0.6**
70%	**-0.5**	**-0.6**	**-0.5**	**-0.7**	**-0.5**	**-0.5**	**-0.5**	**-0.5**	**-0.6**	**-1.1**	**-0.7**	**-0.6**
80%	**-0.5**	**-0.6**	**-0.5**	**-0.7**	**-0.5**	**-0.5**	**-0.5**	**-0.5**	**-0.7**	**-0.9**	**-0.7**	**-0.6**
90%	**-0.6**	**-0.5**	**-0.6**	**-0.4**	**-0.5**	**-0.5**	**-0.5**	**-0.5**	**-0.6**	**-0.9**	**-0.7**	**-0.6**
Long Term												
Full Simulation Period[a]	**-0.3**	**-0.6**	**-0.6**	**-0.9**	**-0.9**	**-1.0**	**-0.6**	**-0.5**	**-0.6**	**-0.9**	**-0.8**	**-0.9**
Water Year Types[b]												
Wet (31%)	**-0.6**	**-0.6**	**-0.8**	**-1.4**	**-1.3**	**-1.3**	**-0.7**	**-0.7**	**-0.6**	**-1.0**	**-0.8**	**-1.7**
Above Normal (25%)	0.0	**-0.6**	**-0.6**	**-1.4**	**-1.2**	**-1.6**	**-1.0**	**-0.7**	**-0.5**	**-1.1**	**-0.9**	**-1.2**
Below Normal (6%)	**0.0**	**-0.8**	**-0.6**	**-0.8**	**-1.3**	**-1.2**	**-0.6**	**-0.5**	**-0.8**	**-1.2**	**-0.8**	**-0.6**
Dry (13%)	**-0.6**	**-0.6**	**-0.5**	**-0.5**	**-0.7**	**-0.8**	**-0.5**	**-0.4**	**-0.6**	**-0.8**	**-0.8**	**-0.6**
Critical (25%)	**0.0**	**-0.7**	**-0.5**	**-0.8**	**-0.5**	**-0.6**	**-0.5**	**-0.4**	**-0.6**	**-0.9**	**-0.6**	**-0.5**

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-29-1-17. Sacramento River at Freeport, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	5.3	7.4	13.3	13.0	14.7	13.6	10.0	6.1	5.7	6.5	5.9	6.8
20%	5.1	6.3	6.1	11.9	13.9	12.1	6.2	5.4	5.5	6.4	5.7	6.3
30%	5.0	5.5	6.0	8.9	9.5	9.9	5.5	5.2	5.4	6.3	5.7	5.6
40%	5.0	5.2	5.7	6.6	7.4	7.5	5.1	5.1	5.3	6.3	5.6	5.2
50%	5.0	5.1	5.6	6.4	6.3	6.9	5.0	4.9	5.3	6.1	5.5	5.2
60%	5.0	5.0	5.4	5.9	5.4	6.2	5.0	4.9	5.2	6.0	5.5	5.1
70%	4.9	5.0	5.2	5.5	5.1	5.4	4.9	4.9	5.2	5.9	5.4	5.1
80%	4.8	4.9	5.1	5.4	5.1	4.9	4.8	4.9	5.2	5.6	5.3	5.1
90%	4.8	4.8	5.0	5.0	4.8	4.8	4.7	4.7	5.1	5.5	5.2	4.9
Long Term												
Full Simulation Period[a]	5.0	5.8	7.1	7.9	8.3	8.2	6.3	5.4	5.4	6.1	5.5	5.6
Water Year Types[b]												
Wet (31%)	5.3	7.8	12.0	10.9	13.3	12.6	9.5	6.4	6.0	6.3	5.8	6.7
Above Normal (25%)	4.8	4.9	5.9	12.7	12.6	10.9	6.2	5.2	5.2	6.2	5.6	5.6
Below Normal (6%)	5.0	5.2	5.1	6.6	7.4	6.6	5.0	4.9	5.3	5.6	5.3	5.1
Dry (13%)	5.0	5.3	5.4	5.5	5.6	6.7	5.2	5.2	5.4	6.2	5.6	5.1
Critical (25%)	5.0	5.1	5.3	5.6	5.0	5.1	4.8	4.8	5.1	5.7	5.2	5.1

Alternative 4 H1 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.8	6.8	12.1	11.4	13.5	12.2	8.6	5.5	5.3	5.8	5.1	4.9
20%	4.7	5.8	5.6	10.2	12.3	10.4	5.5	4.9	5.0	5.6	5.0	4.9
30%	4.6	4.5	5.4	7.6	7.8	8.6	4.8	4.6	4.9	5.4	4.9	4.7
40%	4.6	4.5	5.2	5.6	6.1	5.9	4.5	4.5	4.7	5.3	4.9	4.6
50%	4.5	4.5	5.1	5.5	5.4	5.6	4.5	4.5	4.7	5.2	4.8	4.6
60%	4.4	4.4	5.0	5.4	4.8	5.2	4.4	4.4	4.7	5.0	4.7	4.6
70%	4.4	4.4	4.7	5.2	4.6	4.7	4.4	4.4	4.6	4.9	4.7	4.6
80%	4.3	4.2	4.5	5.0	4.5	4.3	4.3	4.4	4.5	4.8	4.6	4.5
90%	4.3	4.2	4.4	4.6	4.3	4.3	4.2	4.2	4.5	4.6	4.5	4.4
Long Term												
Full Simulation Period[a]	4.5	5.1	6.4	6.9	7.4	7.2	5.5	4.8	4.8	5.2	4.8	4.7
Water Year Types[b]												
Wet (31%)	4.7	7.1	11.0	9.4	11.9	11.3	8.5	5.6	5.4	5.5	5.0	5.0
Above Normal (25%)	4.4	4.3	5.2	11.2	11.3	9.4	5.1	4.6	4.6	5.5	4.8	4.5
Below Normal (6%)	4.6	4.4	4.5	5.8	6.1	5.5	4.5	4.3	4.7	4.5	4.5	4.4
Dry (13%)	4.4	4.7	4.9	4.9	4.9	5.8	4.7	4.7	4.9	5.4	4.9	4.6
Critical (25%)	4.5	4.4	4.8	5.1	4.5	4.5	4.3	4.3	4.5	4.8	4.6	4.5

Alternative 4 H1 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-0.5	-0.6	-1.1	-1.6	-1.2	-1.5	-1.4	-0.6	-0.4	-0.7	-0.7	-1.9
20%	-0.4	-0.5	-0.6	-1.6	-1.6	-1.7	-0.7	-0.5	-0.5	-0.8	-0.7	-1.4
30%	-0.4	-1.0	-0.6	-1.3	-1.7	-1.3	-0.7	-0.6	-0.5	-0.9	-0.8	-0.9
40%	-0.5	-0.7	-0.5	-1.0	-1.3	-1.6	-0.6	-0.6	-0.6	-1.0	-0.7	-0.6
50%	-0.5	-0.7	-0.5	-0.9	-0.9	-1.4	-0.6	-0.5	-0.6	-0.9	-0.7	-0.6
60%	-0.6	-0.6	-0.4	-0.5	-0.6	-1.0	-0.6	-0.5	-0.5	-1.0	-0.7	-0.6
70%	-0.5	-0.6	-0.5	-0.4	-0.5	-0.7	-0.6	-0.5	-0.6	-1.0	-0.7	-0.6
80%	-0.5	-0.6	-0.6	-0.3	-0.6	-0.5	-0.5	-0.5	-0.6	-0.9	-0.7	-0.6
90%	-0.6	-0.6	-0.6	-0.4	-0.5	-0.5	-0.5	-0.5	-0.6	-0.9	-0.7	-0.5
Long Term												
Full Simulation Period[a]	-0.5	-0.7	-0.6	-0.9	-0.9	-1.0	-0.7	-0.6	-0.6	-0.9	-0.7	-0.9
Water Year Types[b]												
Wet (31%)	-0.6	-0.7	-1.0	-1.5	-1.4	-1.3	-1.0	-0.8	-0.6	-0.8	-0.8	-1.7
Above Normal (25%)	-0.4	-0.6	-0.6	-1.5	-1.3	-1.5	-1.1	-0.6	-0.6	-0.7	-0.8	-1.1
Below Normal (6%)	-0.4	-0.8	-0.6	-0.8	-1.3	-1.2	-0.6	-0.6	-0.6	-1.1	-0.8	-0.6
Dry (13%)	-0.6	-0.6	-0.5	-0.6	-0.7	-0.9	-0.5	-0.4	-0.5	-0.8	-0.7	-0.5
Critical (25%)	-0.5	-0.7	-0.5	-0.5	-0.5	-0.6	-0.5	-0.5	-0.6	-0.9	-0.6	-0.5

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-29-1-18. Sacramento River at Freeport, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	5.3	7.4	13.3	13.0	14.7	13.6	10.0	6.1	5.7	6.5	5.9	6.8
20%	5.1	6.3	6.1	11.9	13.9	12.1	6.2	5.4	5.5	6.4	5.7	6.3
30%	5.0	5.5	6.0	8.9	9.5	9.9	5.5	5.2	5.4	6.3	5.7	5.6
40%	5.0	5.2	5.7	6.6	7.4	7.5	5.1	5.1	5.3	6.3	5.6	5.2
50%	5.0	5.1	5.6	6.4	6.3	6.9	5.0	4.9	5.3	6.1	5.5	5.2
60%	5.0	5.0	5.4	5.9	5.4	6.2	5.0	4.9	5.2	6.0	5.5	5.1
70%	4.9	5.0	5.2	5.5	5.1	5.4	4.9	4.9	5.2	5.9	5.4	5.1
80%	4.8	4.9	5.1	5.4	5.1	4.9	4.8	4.9	5.2	5.6	5.3	5.1
90%	4.8	4.8	5.0	5.0	4.8	4.8	4.7	4.7	5.1	5.5	5.2	4.9
Long Term												
Full Simulation Period[a]	5.0	5.8	7.1	7.9	8.3	8.2	6.3	5.4	5.4	6.1	5.5	5.6
Water Year Types[b]												
Wet (31%)	5.3	7.8	12.0	10.9	13.3	12.6	9.5	6.4	6.0	6.3	5.8	6.7
Above Normal (25%)	4.8	4.9	5.9	12.7	12.6	10.9	6.2	5.2	5.2	6.2	5.6	5.6
Below Normal (6%)	5.0	5.2	5.1	6.6	7.4	6.6	5.0	4.9	5.3	5.6	5.3	5.1
Dry (13%)	5.0	5.3	5.4	5.5	5.6	6.7	5.2	5.2	5.4	6.2	5.6	5.1
Critical (25%)	5.0	5.1	5.3	5.6	5.0	5.1	4.8	4.8	5.1	5.7	5.2	5.1

Alternative 4 H2 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.9	6.9	12.3	11.4	13.6	12.2	8.8	5.5	5.1	5.4	5.0	4.9
20%	4.8	5.9	5.7	10.2	12.3	10.4	5.8	5.0	4.8	5.3	4.9	4.8
30%	4.8	4.5	5.4	7.6	7.9	8.8	5.6	4.8	4.8	5.1	4.9	4.6
40%	4.5	4.5	5.3	5.6	6.1	5.9	5.1	4.7	4.7	5.0	4.9	4.6
50%	4.4	4.5	5.0	5.5	5.4	5.7	4.5	4.6	4.6	5.0	4.8	4.6
60%	4.4	4.4	4.7	5.1	4.7	5.2	4.5	4.4	4.5	4.9	4.8	4.5
70%	4.4	4.4	4.6	5.0	4.6	4.7	4.4	4.4	4.5	4.8	4.8	4.5
80%	4.3	4.2	4.4	4.9	4.5	4.4	4.3	4.4	4.5	4.7	4.6	4.4
90%	4.3	4.2	4.4	4.7	4.3	4.3	4.2	4.2	4.4	4.6	4.5	4.4
Long Term												
Full Simulation Period[a]	4.5	5.2	6.4	6.9	7.4	7.2	5.8	4.8	4.8	5.0	4.8	4.7
Water Year Types[b]												
Wet (31%)	4.7	7.2	11.1	9.4	11.8	11.3	9.0	5.7	5.2	5.2	5.0	5.0
Above Normal (25%)	4.4	4.3	5.3	11.4	11.4	9.5	6.0	4.8	4.6	4.8	4.8	4.5
Below Normal (6%)	4.4	4.4	4.3	5.8	6.2	5.7	4.5	4.4	4.8	4.6	4.5	4.4
Dry (13%)	4.4	4.7	4.9	4.9	4.9	5.9	4.6	4.7	4.7	5.2	4.9	4.5
Critical (25%)	4.7	4.4	4.7	5.0	4.5	4.5	4.3	4.3	4.5	4.8	4.6	4.5

Alternative 4 H2 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-0.3	-0.4	-0.9	-1.6	-1.1	-1.4	-1.2	-0.6	-0.6	-1.1	-0.8	-1.9
20%	-0.3	-0.4	-0.5	-1.6	-1.6	-1.7	-0.4	-0.4	-0.6	-1.1	-0.8	-1.5
30%	-0.3	-0.9	-0.5	-1.4	-1.6	-1.1	0.1	-0.4	-0.6	-1.2	-0.8	-1.0
40%	-0.5	-0.7	-0.4	-1.0	-1.2	-1.6	0.0	-0.4	-0.6	-1.2	-0.8	-0.6
50%	-0.6	-0.7	-0.6	-1.0	-0.9	-1.2	-0.5	-0.4	-0.6	-1.1	-0.7	-0.6
60%	-0.6	-0.6	-0.7	-0.7	-0.6	-1.0	-0.5	-0.5	-0.7	-1.1	-0.6	-0.6
70%	-0.5	-0.6	-0.5	-0.5	-0.5	-0.7	-0.5	-0.5	-0.7	-1.1	-0.6	-0.6
80%	-0.5	-0.6	-0.7	-0.5	-0.6	-0.5	-0.6	-0.5	-0.7	-0.9	-0.7	-0.6
90%	-0.6	-0.6	-0.7	-0.3	-0.5	-0.5	-0.5	-0.5	-0.7	-0.9	-0.7	-0.6
Long Term												
Full Simulation Period[a]	-0.5	-0.6	-0.7	-0.9	-0.9	-1.0	-0.5	-0.5	-0.7	-1.1	-0.7	-0.9
Water Year Types[b]												
Wet (31%)	-0.6	-0.6	-0.9	-1.5	-1.5	-1.4	-0.5	-0.7	-0.8	-1.1	-0.8	-1.7
Above Normal (25%)	-0.3	-0.6	-0.5	-1.3	-1.2	-1.5	-0.3	-0.4	-0.7	-1.4	-0.8	-1.1
Below Normal (6%)	-0.7	-0.8	-0.8	-0.8	-1.1	-0.9	-0.6	-0.5	-0.5	-1.0	-0.8	-0.6
Dry (13%)	-0.6	-0.6	-0.5	-0.7	-0.7	-0.8	-0.6	-0.5	-0.6	-1.0	-0.8	-0.6
Critical (25%)	-0.3	-0.7	-0.6	-0.6	-0.5	-0.6	-0.6	-0.5	-0.6	-0.9	-0.6	-0.5

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-29-1-19. Sacramento River at Freeport, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	5.3	7.4	13.3	13.0	14.7	13.6	10.0	6.1	5.7	6.5	5.9	6.8
20%	5.1	6.3	6.1	11.9	13.9	12.1	6.2	5.4	5.5	6.4	5.7	6.3
30%	5.0	5.5	6.0	8.9	9.5	9.9	5.5	5.2	5.4	6.3	5.7	5.6
40%	5.0	5.2	5.7	6.6	7.4	7.5	5.1	5.1	5.3	6.3	5.6	5.2
50%	5.0	5.1	5.6	6.4	6.3	6.9	5.0	4.9	5.3	6.1	5.5	5.2
60%	5.0	5.0	5.4	5.9	5.4	6.2	5.0	4.9	5.2	6.0	5.5	5.1
70%	4.9	5.0	5.2	5.5	5.1	5.4	4.9	4.9	5.2	5.9	5.4	5.1
80%	4.8	4.9	5.1	5.4	5.1	4.9	4.8	4.9	5.2	5.6	5.3	5.1
90%	4.8	4.8	5.0	5.0	4.8	4.8	4.7	4.7	5.1	5.5	5.2	4.9
Long Term												
Full Simulation Period[a]	5.0	5.8	7.1	7.9	8.3	8.2	6.3	5.4	5.4	6.1	5.5	5.6
Water Year Types[b]												
Wet (31%)	5.3	7.8	12.0	10.9	13.3	12.6	9.5	6.4	6.0	6.3	5.8	6.7
Above Normal (25%)	4.8	4.9	5.9	12.7	12.6	10.9	6.2	5.2	5.2	6.2	5.6	5.6
Below Normal (6%)	5.0	5.2	5.1	6.6	7.4	6.6	5.0	4.9	5.3	5.6	5.3	5.1
Dry (13%)	5.0	5.3	5.4	5.5	5.6	6.7	5.2	5.2	5.4	6.2	5.6	5.1
Critical (25%)	5.0	5.1	5.3	5.6	5.0	5.1	4.8	4.8	5.1	5.7	5.2	5.1

Alternative 4 H3 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.9	6.8	11.9	11.4	13.3	12.2	8.6	5.5	5.3	5.8	5.0	6.0
20%	4.7	5.8	5.4	10.2	12.3	10.4	5.5	4.9	5.0	5.6	5.0	5.7
30%	4.6	4.7	5.4	7.6	7.8	8.1	4.8	4.6	4.9	5.4	4.9	4.9
40%	4.6	4.5	5.3	5.6	6.1	5.9	4.5	4.5	4.9	5.3	4.8	4.8
50%	4.4	4.5	5.1	5.5	5.4	5.6	4.5	4.5	4.7	5.1	4.8	4.6
60%	4.4	4.4	5.0	5.5	4.8	5.2	4.4	4.4	4.7	5.0	4.7	4.6
70%	4.3	4.4	4.7	5.0	4.6	4.7	4.3	4.4	4.6	4.9	4.6	4.6
80%	4.3	4.2	4.5	4.8	4.5	4.3	4.3	4.4	4.5	4.8	4.6	4.5
90%	4.3	4.2	4.4	4.5	4.3	4.3	4.2	4.2	4.4	4.6	4.5	4.3
Long Term												
Full Simulation Period[a]	4.5	5.1	6.4	6.9	7.3	7.1	5.6	4.8	4.8	5.2	4.8	4.9
Water Year Types[b]												
Wet (31%)	4.6	7.0	10.9	9.4	11.8	11.1	8.6	5.6	5.4	5.5	5.0	5.9
Above Normal (25%)	4.5	4.3	5.3	11.0	11.0	9.4	5.1	4.6	4.6	5.5	4.8	4.9
Below Normal (6%)	4.4	4.4	4.3	5.8	6.1	5.5	4.5	4.3	4.9	4.5	4.5	4.3
Dry (13%)	4.4	4.7	4.9	4.9	4.9	5.6	4.6	4.8	4.9	5.4	4.8	4.6
Critical (25%)	4.5	4.5	4.8	5.0	4.4	4.5	4.3	4.3	4.5	4.8	4.6	4.5

Alternative 4 H3 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-0.4	-0.6	-1.3	-1.7	-1.4	-1.5	-1.4	-0.6	-0.4	-0.7	-0.8	-0.8
20%	-0.4	-0.4	-0.7	-1.7	-1.6	-1.7	-0.7	-0.5	-0.5	-0.8	-0.7	-0.6
30%	-0.5	-0.8	-0.6	-1.4	-1.7	-1.7	-0.7	-0.6	-0.5	-0.9	-0.8	-0.8
40%	-0.5	-0.7	-0.4	-1.0	-1.3	-1.6	-0.6	-0.5	-0.4	-1.0	-0.8	-0.4
50%	-0.6	-0.6	-0.5	-0.9	-0.9	-1.4	-0.6	-0.5	-0.6	-1.0	-0.8	-0.6
60%	-0.6	-0.6	-0.4	-0.4	-0.6	-1.0	-0.6	-0.5	-0.5	-1.0	-0.7	-0.6
70%	-0.6	-0.6	-0.5	-0.6	-0.5	-0.7	-0.6	-0.5	-0.6	-1.0	-0.7	-0.6
80%	-0.6	-0.6	-0.6	-0.6	-0.6	-0.5	-0.5	-0.5	-0.6	-0.9	-0.7	-0.5
90%	-0.6	-0.6	-0.6	-0.5	-0.5	-0.5	-0.5	-0.5	-0.6	-0.9	-0.7	-0.6
Long Term												
Full Simulation Period[a]	-0.5	-0.6	-0.7	-1.0	-1.0	-1.1	-0.7	-0.6	-0.6	-0.9	-0.7	-0.6
Water Year Types[b]												
Wet (31%)	-0.7	-0.7	-1.1	-1.5	-1.5	-1.5	-0.9	-0.8	-0.6	-0.8	-0.8	-0.8
Above Normal (25%)	-0.2	-0.6	-0.5	-1.6	-1.6	-1.6	-1.1	-0.6	-0.6	-0.7	-0.8	-0.8
Below Normal (6%)	-0.6	-0.8	-0.8	-0.8	-1.3	-1.2	-0.6	-0.6	-0.4	-1.0	-0.8	-0.7
Dry (13%)	-0.6	-0.6	-0.6	-0.7	-0.7	-1.1	-0.5	-0.4	-0.5	-0.9	-0.8	-0.5
Critical (25%)	-0.5	-0.6	-0.5	-0.6	-0.5	-0.6	-0.6	-0.4	-0.6	-0.9	-0.6	-0.5

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-29-1-20. Sacramento River at Freeport, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	5.3	7.4	13.3	13.0	14.7	13.6	10.0	6.1	5.7	6.5	5.9	6.8
20%	5.1	6.3	6.1	11.9	13.9	12.1	6.2	5.4	5.5	6.4	5.7	6.3
30%	5.0	5.5	6.0	8.9	9.5	9.9	5.5	5.2	5.4	6.3	5.7	5.6
40%	5.0	5.2	5.7	6.6	7.4	7.5	5.1	5.1	5.3	6.3	5.6	5.2
50%	5.0	5.1	5.6	6.4	6.3	6.9	5.0	4.9	5.3	6.1	5.5	5.2
60%	5.0	5.0	5.4	5.9	5.4	6.2	5.0	4.9	5.2	6.0	5.5	5.1
70%	4.9	5.0	5.2	5.5	5.1	5.4	4.9	4.9	5.2	5.9	5.4	5.1
80%	4.8	4.9	5.1	5.4	5.1	4.9	4.8	4.9	5.2	5.6	5.3	5.1
90%	4.8	4.8	5.0	5.0	4.8	4.8	4.7	4.7	5.1	5.5	5.2	4.9
Long Term												
Full Simulation Period[a]	5.0	5.8	7.1	7.9	8.3	8.2	6.3	5.4	5.4	6.1	5.5	5.6
Water Year Types[b]												
Wet (31%)	5.3	7.8	12.0	10.9	13.3	12.6	9.5	6.4	6.0	6.3	5.8	6.7
Above Normal (25%)	4.8	4.9	5.9	12.7	12.6	10.9	6.2	5.2	5.2	6.2	5.6	5.6
Below Normal (6%)	5.0	5.2	5.1	6.6	7.4	6.6	5.0	4.9	5.3	5.6	5.3	5.1
Dry (13%)	5.0	5.3	5.4	5.5	5.6	6.7	5.2	5.2	5.4	6.2	5.6	5.1
Critical (25%)	5.0	5.1	5.3	5.6	5.0	5.1	4.8	4.8	5.1	5.7	5.2	5.1

Alternative 4 H4 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	4.9	6.7	12.1	11.4	13.3	12.2	8.8	5.5	5.1	5.4	5.0	6.0
20%	4.7	5.8	5.4	10.2	12.3	10.4	5.8	5.0	4.8	5.2	4.9	5.8
30%	4.7	4.7	5.4	7.6	7.9	8.6	5.6	4.8	4.8	5.1	4.9	4.9
40%	4.6	4.5	5.2	5.6	6.1	5.9	5.1	4.7	4.7	5.0	4.9	4.6
50%	4.5	4.5	5.0	5.4	5.4	5.6	4.5	4.6	4.6	4.9	4.8	4.6
60%	4.4	4.4	4.7	5.1	4.7	5.2	4.5	4.4	4.6	4.9	4.8	4.6
70%	4.3	4.4	4.6	4.8	4.6	4.7	4.4	4.4	4.5	4.8	4.8	4.6
80%	4.3	4.3	4.5	4.5	4.5	4.3	4.3	4.4	4.5	4.7	4.6	4.6
90%	4.2	4.2	4.4	4.4	4.3	4.3	4.2	4.2	4.4	4.6	4.5	4.4
Long Term												
Full Simulation Period[a]	4.5	5.1	6.4	6.8	7.3	7.2	5.8	4.8	4.7	5.0	4.8	4.9
Water Year Types[b]												
Wet (31%)	4.7	7.0	11.0	9.4	11.8	11.2	9.0	5.7	5.2	5.2	5.0	5.9
Above Normal (25%)	4.5	4.3	5.3	11.3	11.1	9.4	6.0	4.8	4.6	4.8	4.8	4.9
Below Normal (6%)	4.3	4.4	4.5	5.8	6.1	5.5	4.5	4.4	4.7	4.6	4.4	4.4
Dry (13%)	4.4	4.7	4.8	4.9	4.9	5.8	4.6	4.7	4.7	5.1	4.9	4.5
Critical (25%)	4.5	4.5	4.7	4.8	4.5	4.5	4.3	4.3	4.5	4.8	4.6	4.5

Alternative 4 H4 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	**-0.4**	**-0.7**	**-1.2**	**-1.6**	**-1.4**	**-1.4**	**-1.2**	**-0.6**	**-0.6**	**-1.1**	**-0.8**	**-0.8**
20%	**-0.4**	**-0.4**	**-0.7**	**-1.6**	**-1.6**	**-1.7**	**-0.4**	**-0.4**	**-0.6**	**-1.2**	**-0.8**	**-0.5**
30%	**-0.4**	**-0.8**	**-0.6**	**-1.4**	**-1.7**	**-1.3**	0.1	**-0.4**	**-0.6**	**-1.2**	**-0.8**	**-0.7**
40%	**-0.5**	**-0.7**	**-0.4**	**-1.0**	**-1.2**	**-1.6**	**0.0**	**-0.4**	**-0.6**	**-1.3**	**-0.8**	**-0.6**
50%	**-0.6**	**-0.6**	**-0.6**	**-1.0**	**-0.9**	**-1.3**	**-0.5**	**-0.4**	**-0.6**	**-1.2**	**-0.7**	**-0.6**
60%	**-0.6**	**-0.6**	**-0.7**	**-0.7**	**-0.6**	**-1.0**	**-0.5**	**-0.5**	**-0.7**	**-1.1**	**-0.6**	**-0.5**
70%	**-0.6**	**-0.6**	**-0.5**	**-0.7**	**-0.5**	**-0.7**	**-0.5**	**-0.5**	**-0.7**	**-1.1**	**-0.6**	**-0.5**
80%	**-0.6**	**-0.6**	**-0.6**	**-0.8**	**-0.6**	**-0.5**	**-0.5**	**-0.5**	**-0.7**	**-0.9**	**-0.7**	**-0.5**
90%	**-0.6**	**-0.6**	**-0.6**	**-0.5**	**-0.5**	**-0.5**	**-0.5**	**-0.5**	**-0.7**	**-0.9**	**-0.7**	**-0.6**
Long Term												
Full Simulation Period[a]	**-0.5**	**-0.7**	**-0.7**	**-1.0**	**-1.0**	**-1.1**	**-0.5**	**-0.5**	**-0.7**	**-1.1**	**-0.7**	**-0.6**
Water Year Types[b]												
Wet (31%)	**-0.5**	**-0.8**	**-1.0**	**-1.5**	**-1.5**	**-1.4**	**-0.5**	**-0.7**	**-0.8**	**-1.1**	**-0.8**	**-0.8**
Above Normal (25%)	**-0.3**	**-0.6**	**-0.5**	**-1.4**	**-1.5**	**-1.5**	**-0.2**	**-0.4**	**-0.7**	**-1.4**	**-0.8**	**-0.7**
Below Normal (6%)	**-0.7**	**-0.8**	**-0.7**	**-0.8**	**-1.2**	**-1.2**	**-0.6**	**-0.5**	**-0.6**	**-1.0**	**-0.8**	**-0.7**
Dry (13%)	**-0.6**	**-0.6**	**-0.6**	**-0.7**	**-0.7**	**-0.9**	**-0.6**	**-0.5**	**-0.7**	**-1.1**	**-0.8**	**-0.6**
Critical (25%)	**-0.5**	**-0.6**	**-0.6**	**-0.8**	**-0.5**	**-0.6**	**-0.5**	**-0.5**	**-0.6**	**-0.9**	**-0.6**	**-0.5**

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-29-1-21. Sacramento River at Freeport, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	5.3	7.4	13.3	13.0	14.7	13.6	10.0	6.1	5.7	6.5	5.9	6.8
20%	5.1	6.3	6.1	11.9	13.9	12.1	6.2	5.4	5.5	6.4	5.7	6.3
30%	5.0	5.5	6.0	8.9	9.5	9.9	5.5	5.2	5.4	6.3	5.7	5.6
40%	5.0	5.2	5.7	6.6	7.4	7.5	5.1	5.1	5.3	6.3	5.6	5.2
50%	5.0	5.1	5.6	6.4	6.3	6.9	5.0	4.9	5.3	6.1	5.5	5.2
60%	5.0	5.0	5.4	5.9	5.4	6.2	5.0	4.9	5.2	6.0	5.5	5.1
70%	4.9	5.0	5.2	5.5	5.1	5.4	4.9	4.9	5.2	5.9	5.4	5.1
80%	4.8	4.9	5.1	5.4	5.1	4.9	4.8	4.9	5.2	5.6	5.3	5.1
90%	4.8	4.8	5.0	5.0	4.8	4.8	4.7	4.7	5.1	5.5	5.2	4.9
Long Term												
Full Simulation Period[a]	5.0	5.8	7.1	7.9	8.3	8.2	6.3	5.4	5.4	6.1	5.5	5.6
Water Year Types[b]												
Wet (31%)	5.3	7.8	12.0	10.9	13.3	12.6	9.5	6.4	6.0	6.3	5.8	6.7
Above Normal (25%)	4.8	4.9	5.9	12.7	12.6	10.9	6.2	5.2	5.2	6.2	5.6	5.6
Below Normal (6%)	5.0	5.2	5.1	6.6	7.4	6.6	5.0	4.9	5.3	5.6	5.3	5.1
Dry (13%)	5.0	5.3	5.4	5.5	5.6	6.7	5.2	5.2	5.4	6.2	5.6	5.1
Critical (25%)	5.0	5.1	5.3	5.6	5.0	5.1	4.8	4.8	5.1	5.7	5.2	5.1

Alternative 5 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.8	6.9	12.6	11.9	14.0	12.9	9.1	5.5	5.2	5.8	5.2	5.9
20%	4.7	5.7	5.4	10.8	13.1	11.1	5.5	4.9	4.9	5.5	5.1	5.5
30%	4.6	4.7	5.4	7.8	8.3	8.7	4.9	4.6	4.8	5.5	5.0	4.7
40%	4.5	4.6	5.1	5.7	6.3	6.1	4.6	4.5	4.8	5.4	4.8	4.6
50%	4.4	4.5	5.1	5.6	5.4	5.8	4.5	4.5	4.7	5.3	4.8	4.6
60%	4.3	4.4	4.9	5.2	4.7	5.3	4.4	4.4	4.7	5.3	4.7	4.6
70%	4.3	4.4	4.7	4.9	4.7	4.7	4.4	4.4	4.6	5.0	4.7	4.6
80%	4.3	4.3	4.6	4.8	4.6	4.3	4.3	4.4	4.5	5.0	4.6	4.5
90%	4.2	4.2	4.5	4.5	4.3	4.3	4.2	4.2	4.4	4.7	4.5	4.3
Long Term												
Full Simulation Period[a]	4.5	5.2	6.5	7.1	7.6	7.4	5.7	4.8	4.8	5.3	4.8	4.9
Water Year Types[b]												
Wet (31%)	4.6	7.3	11.4	9.8	12.4	11.8	8.9	5.8	5.5	5.6	5.1	5.9
Above Normal (25%)	4.2	4.3	5.3	11.8	11.7	9.8	5.3	4.6	4.7	5.5	4.8	4.7
Below Normal (6%)	4.3	4.4	4.6	5.8	6.3	5.6	4.4	4.3	4.8	5.0	4.5	4.4
Dry (13%)	4.4	4.7	4.9	4.9	5.0	5.9	4.6	4.6	4.8	5.4	4.9	4.5
Critical (25%)	4.6	4.5	4.7	5.0	4.5	4.6	4.3	4.3	4.5	4.9	4.6	4.5

Alternative 5 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-0.5	-0.4	-0.6	-1.1	-0.7	-0.7	-0.9	-0.6	-0.5	-0.8	-0.7	-0.9
20%	-0.4	-0.5	-0.7	-1.1	-0.8	-1.0	-0.7	-0.5	-0.5	-0.9	-0.6	-0.8
30%	-0.4	-0.8	-0.6	-1.1	-1.2	-1.2	-0.6	-0.6	-0.5	-0.8	-0.7	-0.9
40%	-0.5	-0.6	-0.5	-0.9	-1.0	-1.3	-0.5	-0.6	-0.5	-0.8	-0.8	-0.6
50%	-0.7	-0.6	-0.6	-0.8	-0.8	-1.1	-0.5	-0.5	-0.5	-0.8	-0.8	-0.6
60%	-0.7	-0.6	-0.5	-0.7	-0.6	-0.9	-0.6	-0.5	-0.5	-0.7	-0.8	-0.5
70%	-0.6	-0.6	-0.5	-0.6	-0.5	-0.7	-0.5	-0.5	-0.6	-1.0	-0.7	-0.6
80%	-0.6	-0.6	-0.5	-0.6	-0.5	-0.5	-0.5	-0.5	-0.6	-0.7	-0.7	-0.6
90%	-0.6	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.6	-0.8	-0.7	-0.6
Long Term												
Full Simulation Period[a]	-0.6	-0.6	-0.6	-0.8	-0.7	-0.8	-0.6	-0.5	-0.6	-0.8	-0.7	-0.7
Water Year Types[b]												
Wet (31%)	-0.7	-0.5	-0.6	-1.1	-0.8	-0.9	-0.6	-0.6	-0.5	-0.8	-0.7	-0.8
Above Normal (25%)	-0.5	-0.6	-0.6	-0.9	-0.9	-1.2	-0.9	-0.6	-0.5	-0.8	-0.8	-0.9
Below Normal (6%)	-0.7	-0.8	-0.5	-0.8	-1.0	-1.0	-0.6	-0.6	-0.5	-0.6	-0.8	-0.7
Dry (13%)	-0.6	-0.6	-0.5	-0.6	-0.7	-0.8	-0.5	-0.5	-0.6	-0.8	-0.7	-0.6
Critical (25%)	-0.4	-0.6	-0.5	-0.6	-0.5	-0.6	-0.5	-0.5	-0.6	-0.8	-0.7	-0.6

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-29-1-22. Sacramento River at Freeport, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	5.3	7.4	13.3	13.0	14.7	13.6	10.0	6.1	5.7	6.5	5.9	6.8
20%	5.1	6.3	6.1	11.9	13.9	12.1	6.2	5.4	5.5	6.4	5.7	6.3
30%	5.0	5.5	6.0	8.9	9.5	9.9	5.5	5.2	5.4	6.3	5.7	5.6
40%	5.0	5.2	5.7	6.6	7.4	7.5	5.1	5.1	5.3	6.3	5.6	5.2
50%	5.0	5.1	5.6	6.4	6.3	6.9	5.0	4.9	5.3	6.1	5.5	5.2
60%	5.0	5.0	5.4	5.9	5.4	6.2	5.0	4.9	5.2	6.0	5.5	5.1
70%	4.9	5.0	5.2	5.5	5.1	5.4	4.9	4.9	5.2	5.9	5.4	5.1
80%	4.8	4.9	5.1	5.4	5.1	4.9	4.8	4.9	5.2	5.6	5.3	5.1
90%	4.8	4.8	5.0	5.0	4.8	4.8	4.7	4.7	5.1	5.5	5.2	4.9
Long Term												
Full Simulation Period[a]	5.0	5.8	7.1	7.9	8.3	8.2	6.3	5.4	5.4	6.1	5.5	5.6
Water Year Types[b]												
Wet (31%)	5.3	7.8	12.0	10.9	13.3	12.6	9.5	6.4	6.0	6.3	5.8	6.7
Above Normal (25%)	4.8	4.9	5.9	12.7	12.6	10.9	6.2	5.2	5.2	6.2	5.6	5.6
Below Normal (6%)	5.0	5.2	5.1	6.6	7.4	6.6	5.0	4.9	5.3	5.6	5.3	5.1
Dry (13%)	5.0	5.3	5.4	5.5	5.6	6.7	5.2	5.2	5.4	6.2	5.6	5.1
Critical (25%)	5.0	5.1	5.3	5.6	5.0	5.1	4.8	4.8	5.1	5.7	5.2	5.1

Alternative 6A,6B,6C (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	4.8	7.1	12.1	10.9	13.3	12.3	8.7	5.2	5.0	5.3	5.1	5.6
20%	4.6	5.9	5.5	9.9	12.1	10.8	5.5	4.8	4.7	5.1	4.9	5.4
30%	4.5	4.7	5.4	7.8	7.7	8.4	4.8	4.6	4.7	5.0	4.9	4.8
40%	4.5	4.6	5.1	5.8	6.2	5.9	4.5	4.5	4.6	5.0	4.8	4.7
50%	4.5	4.5	5.0	5.6	5.5	5.7	4.5	4.5	4.6	5.0	4.8	4.7
60%	4.4	4.5	4.8	5.2	5.3	5.3	4.5	4.4	4.5	4.9	4.7	4.6
70%	4.4	4.5	4.6	4.9	4.7	4.7	4.3	4.4	4.5	4.9	4.7	4.6
80%	4.3	4.3	4.4	4.5	4.5	4.4	4.3	4.3	4.4	4.8	4.7	4.5
90%	4.3	4.2	4.4	4.4	4.3	4.2	4.2	4.2	4.4	4.8	4.6	4.4
Long Term												
Full Simulation Period[a]	4.5	5.2	6.4	6.8	7.4	7.2	5.6	4.8	4.7	5.0	4.8	4.8
Water Year Types[b]												
Wet (31%)	4.7	7.0	11.1	9.4	12.0	11.4	8.7	5.7	5.2	5.3	5.1	5.6
Above Normal (25%)	4.2	4.4	5.2	10.9	10.6	9.6	5.2	4.6	4.5	5.0	4.8	4.7
Below Normal (6%)	4.4	4.5	4.3	5.8	6.2	5.5	4.5	4.3	4.7	4.7	4.7	4.6
Dry (13%)	4.5	4.8	4.9	4.9	5.0	5.7	4.7	4.6	4.6	5.0	4.8	4.6
Critical (25%)	4.5	4.5	4.7	4.9	4.6	4.5	4.3	4.3	4.5	4.8	4.7	4.5

Alternative 6A,6B,6C (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	**-0.5**	**-0.3**	**-1.2**	**-2.1**	**-1.4**	**-1.3**	**-1.3**	**-0.9**	**-0.7**	**-1.2**	**-0.7**	**-1.3**
20%	**-0.5**	**-0.3**	**-0.6**	**-2.0**	**-1.7**	**-1.2**	**-0.7**	**-0.6**	**-0.7**	**-1.3**	**-0.8**	**-0.9**
30%	**-0.5**	**-0.8**	**-0.5**	**-1.1**	**-1.8**	**-1.5**	**-0.7**	**-0.7**	**-0.7**	**-1.3**	**-0.8**	**-0.9**
40%	**-0.5**	**-0.6**	**-0.5**	**-0.8**	**-1.2**	**-1.6**	**-0.6**	**-0.6**	**-0.7**	**-1.3**	**-0.8**	**-0.5**
50%	**-0.6**	**-0.6**	**-0.6**	**-0.8**	**-0.8**	**-1.3**	**-0.6**	**-0.5**	**-0.7**	**-1.1**	**-0.7**	**-0.5**
60%	**-0.6**	**-0.5**	**-0.6**	**-0.7**	**0.0**	**-0.9**	**-0.5**	**-0.5**	**-0.7**	**-1.1**	**-0.7**	**-0.5**
70%	**-0.5**	**-0.5**	**-0.5**	**-0.7**	**-0.5**	**-0.7**	**-0.6**	**-0.5**	**-0.7**	**-1.1**	**-0.7**	**-0.6**
80%	**-0.5**	**-0.6**	**-0.7**	**-0.8**	**-0.5**	**-0.5**	**-0.6**	**-0.6**	**-0.8**	**-0.8**	**-0.6**	**-0.5**
90%	**-0.5**	**-0.6**	**-0.7**	**-0.5**	**-0.5**	**-0.6**	**-0.5**	**-0.5**	**-0.7**	**-0.8**	**-0.6**	**-0.5**
Long Term												
Full Simulation Period[a]	**-0.5**	**-0.6**	**-0.7**	**-1.0**	**-0.9**	**-1.0**	**-0.7**	**-0.6**	**-0.7**	**-1.1**	**-0.7**	**-0.7**
Water Year Types[b]												
Wet (31%)	**-0.6**	**-0.7**	**-0.9**	**-1.5**	**-1.3**	**-1.2**	**-0.8**	**-0.8**	**-0.8**	**-1.1**	**-0.7**	**-1.1**
Above Normal (25%)	**-0.6**	**-0.5**	**-0.6**	**-1.8**	**-2.0**	**-1.3**	**-1.1**	**-0.6**	**-0.8**	**-1.2**	**-0.8**	**-0.9**
Below Normal (6%)	**-0.6**	**-0.7**	**-0.8**	**-0.8**	**-1.2**	**-1.2**	**-0.5**	**-0.5**	**-0.6**	**-0.8**	**-0.6**	**-0.5**
Dry (13%)	**-0.5**	**-0.6**	**-0.6**	**-0.6**	**-0.7**	**-1.0**	**-0.5**	**-0.6**	**-0.7**	**-1.3**	**-0.8**	**-0.5**
Critical (25%)	**-0.5**	**-0.6**	**-0.6**	**-0.7**	**-0.4**	**-0.7**	**-0.6**	**-0.5**	**-0.7**	**-0.9**	**-0.6**	**-0.5**

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-29-1-23. Sacramento River at Freeport, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	5.3	7.4	13.3	13.0	14.7	13.6	10.0	6.1	5.7	6.5	5.9	6.8
20%	5.1	6.3	6.1	11.9	13.9	12.1	6.2	5.4	5.5	6.4	5.7	6.3
30%	5.0	5.5	6.0	8.9	9.5	9.9	5.5	5.2	5.4	6.3	5.7	5.6
40%	5.0	5.2	5.7	6.6	7.4	7.5	5.1	5.1	5.3	6.3	5.6	5.2
50%	5.0	5.1	5.6	6.4	6.3	6.9	5.0	4.9	5.3	6.1	5.5	5.2
60%	5.0	5.0	5.4	5.9	5.4	6.2	5.0	4.9	5.2	6.0	5.5	5.1
70%	4.9	5.0	5.2	5.5	5.1	5.4	4.9	4.9	5.2	5.9	5.4	5.1
80%	4.8	4.9	5.1	5.4	5.1	4.9	4.8	4.9	5.2	5.6	5.3	5.1
90%	4.8	4.8	5.0	5.0	4.8	4.8	4.7	4.7	5.1	5.5	5.2	4.9
Long Term												
Full Simulation Period[a]	5.0	5.8	7.1	7.9	8.3	8.2	6.3	5.4	5.4	6.1	5.5	5.6
Water Year Types[b]												
Wet (31%)	5.3	7.8	12.0	10.9	13.3	12.6	9.5	6.4	6.0	6.3	5.8	6.7
Above Normal (25%)	4.8	4.9	5.9	12.7	12.6	10.9	6.2	5.2	5.2	6.2	5.6	5.6
Below Normal (6%)	5.0	5.2	5.1	6.6	7.4	6.6	5.0	4.9	5.3	5.6	5.3	5.1
Dry (13%)	5.0	5.3	5.4	5.5	5.6	6.7	5.2	5.2	5.4	6.2	5.6	5.1
Critical (25%)	5.0	5.1	5.3	5.6	5.0	5.1	4.8	4.8	5.1	5.7	5.2	5.1

Alternative 7 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	4.7	6.8	12.3	11.2	13.2	12.2	8.6	5.3	5.1	5.7	5.1	6.0
20%	4.6	5.8	5.4	10.3	12.2	10.3	5.4	4.8	4.8	5.3	4.9	5.6
30%	4.5	4.7	5.4	7.4	7.7	8.0	4.8	4.6	4.8	5.3	4.8	4.9
40%	4.5	4.6	5.1	5.6	6.0	5.8	4.5	4.5	4.7	5.3	4.8	4.6
50%	4.5	4.6	5.0	5.5	5.4	5.5	4.5	4.5	4.7	5.1	4.8	4.6
60%	4.4	4.5	4.8	5.1	5.2	5.2	4.5	4.4	4.7	5.0	4.7	4.6
70%	4.4	4.5	4.6	4.8	4.7	4.7	4.3	4.4	4.6	4.9	4.7	4.5
80%	4.4	4.3	4.4	4.5	4.5	4.4	4.3	4.3	4.5	4.9	4.7	4.5
90%	4.3	4.2	4.4	4.4	4.3	4.3	4.3	4.3	4.5	4.8	4.6	4.4
Long Term												
Full Simulation Period[a]	4.5	5.2	6.4	6.8	7.3	7.1	5.5	4.8	4.8	5.2	4.8	4.9
Water Year Types[b]												
Wet (31%)	4.7	7.1	11.1	9.3	11.7	11.1	8.5	5.6	5.4	5.4	5.0	5.9
Above Normal (25%)	4.2	4.4	5.2	11.3	10.9	9.0	5.1	4.6	4.7	5.1	4.8	4.9
Below Normal (6%)	4.4	4.5	4.4	5.8	6.0	5.6	4.5	4.4	4.5	5.0	4.6	4.4
Dry (13%)	4.5	4.7	4.8	4.9	4.9	5.7	4.6	4.6	4.7	5.4	4.9	4.5
Critical (25%)	4.4	4.5	4.7	4.8	4.6	4.5	4.3	4.4	4.5	4.8	4.7	4.5

Alternative 7 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	**-0.5**	**-0.5**	**-0.9**	**-1.8**	**-1.5**	**-1.4**	**-1.4**	**-0.8**	**-0.6**	**-0.8**	**-0.8**	**-0.8**
20%	**-0.5**	**-0.5**	**-0.7**	**-1.6**	**-1.7**	**-1.8**	**-0.9**	**-0.6**	**-0.7**	**-1.1**	**-0.8**	**-0.7**
30%	**-0.5**	**-0.8**	**-0.6**	**-1.5**	**-1.8**	**-1.9**	**-0.7**	**-0.6**	**-0.6**	**-1.0**	**-0.8**	**-0.8**
40%	**-0.5**	**-0.6**	**-0.6**	**-1.0**	**-1.4**	**-1.7**	**-0.6**	**-0.6**	**-0.6**	**-1.0**	**-0.8**	**-0.6**
50%	**-0.6**	**-0.6**	**-0.6**	**-0.9**	**-0.9**	**-1.4**	**-0.5**	**-0.4**	**-0.6**	**-1.0**	**-0.7**	**-0.6**
60%	**-0.6**	**-0.5**	**-0.7**	**-0.7**	**-0.1**	**-1.0**	**-0.5**	**-0.5**	**-0.6**	**-1.0**	**-0.7**	**-0.6**
70%	**-0.5**	**-0.5**	**-0.5**	**-0.7**	**-0.5**	**-0.7**	**-0.6**	**-0.5**	**-0.6**	**-1.0**	**-0.6**	**-0.6**
80%	**-0.4**	**-0.6**	**-0.7**	**-0.8**	**-0.5**	**-0.5**	**-0.6**	**-0.6**	**-0.7**	**-0.7**	**-0.6**	**-0.6**
90%	**-0.6**	**-0.5**	**-0.7**	**-0.5**	**-0.5**	**-0.5**	**-0.5**	**-0.5**	**-0.6**	**-0.8**	**-0.6**	**-0.6**
Long Term												
Full Simulation Period[a]	**-0.5**	**-0.6**	**-0.7**	**-1.0**	**-1.0**	**-1.2**	**-0.7**	**-0.6**	**-0.6**	**-0.9**	**-0.7**	**-0.7**
Water Year Types[b]												
Wet (31%)	**-0.6**	**-0.7**	**-0.9**	**-1.6**	**-1.5**	**-1.5**	**-1.0**	**-0.8**	**-0.6**	**-0.9**	**-0.8**	**-0.8**
Above Normal (25%)	**-0.6**	**-0.5**	**-0.7**	**-1.4**	**-1.7**	**-1.9**	**-1.1**	**-0.6**	**-0.6**	**-1.1**	**-0.8**	**-0.8**
Below Normal (6%)	**-0.6**	**-0.7**	**-0.8**	**-0.8**	**-1.3**	**-1.1**	**-0.5**	**-0.5**	**-0.8**	**-0.6**	**-0.7**	**-0.6**
Dry (13%)	**-0.5**	**-0.6**	**-0.6**	**-0.7**	**-0.7**	**-1.0**	**-0.6**	**-0.6**	**-0.7**	**-0.8**	**-0.7**	**-0.6**
Critical (25%)	**-0.5**	**-0.6**	**-0.6**	**-0.8**	**-0.4**	**-0.7**	**-0.6**	**-0.4**	**-0.6**	**-0.9**	**-0.6**	**-0.6**

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-29-1-24. Sacramento River at Freeport, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	5.3	7.4	13.3	13.0	14.7	13.6	10.0	6.1	5.7	6.5	5.9	6.8
20%	5.1	6.3	6.1	11.9	13.9	12.1	6.2	5.4	5.5	6.4	5.7	6.3
30%	5.0	5.5	6.0	8.9	9.5	9.9	5.5	5.2	5.4	6.3	5.7	5.6
40%	5.0	5.2	5.7	6.6	7.4	7.5	5.1	5.1	5.3	6.3	5.6	5.2
50%	5.0	5.1	5.6	6.4	6.3	6.9	5.0	4.9	5.3	6.1	5.5	5.2
60%	5.0	5.0	5.4	5.9	5.4	6.2	5.0	4.9	5.2	6.0	5.5	5.1
70%	4.9	5.0	5.2	5.5	5.1	5.4	4.9	4.9	5.2	5.9	5.4	5.1
80%	4.8	4.9	5.1	5.4	5.1	4.9	4.8	4.9	5.2	5.6	5.3	5.1
90%	4.8	4.8	5.0	5.0	4.8	4.8	4.7	4.7	5.1	5.5	5.2	4.9
Long Term												
Full Simulation Period[a]	5.0	5.8	7.1	7.9	8.3	8.2	6.3	5.4	5.4	6.1	5.5	5.6
Water Year Types[b]												
Wet (31%)	5.3	7.8	12.0	10.9	13.3	12.6	9.5	6.4	6.0	6.3	5.8	6.7
Above Normal (25%)	4.8	4.9	5.9	12.7	12.6	10.9	6.2	5.2	5.2	6.2	5.6	5.6
Below Normal (6%)	5.0	5.2	5.1	6.6	7.4	6.6	5.0	4.9	5.3	5.6	5.3	5.1
Dry (13%)	5.0	5.3	5.4	5.5	5.6	6.7	5.2	5.2	5.4	6.2	5.6	5.1
Critical (25%)	5.0	5.1	5.3	5.6	5.0	5.1	4.8	4.8	5.1	5.7	5.2	5.1

Alternative 8 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.7	7.2	12.3	11.2	13.1	12.2	8.9	5.6	5.0	5.2	4.9	5.7
20%	4.5	5.9	5.4	10.3	12.2	10.2	5.8	5.0	4.7	4.9	4.8	5.4
30%	4.4	4.7	5.4	7.7	8.4	8.6	5.0	4.8	4.7	4.9	4.8	4.6
40%	4.4	4.6	5.1	6.0	5.9	6.2	4.8	4.6	4.7	4.9	4.8	4.6
50%	4.3	4.5	5.0	5.8	5.7	6.0	4.7	4.6	4.7	4.8	4.7	4.6
60%	4.3	4.5	4.8	5.3	5.3	5.5	4.6	4.6	4.6	4.8	4.6	4.6
70%	4.2	4.4	4.6	4.9	4.8	5.0	4.5	4.5	4.5	4.7	4.6	4.5
80%	4.2	4.2	4.4	4.5	4.5	4.6	4.5	4.4	4.5	4.7	4.6	4.4
90%	4.2	4.2	4.4	4.5	4.4	4.4	4.4	4.4	4.5	4.6	4.5	4.3
Long Term												
Full Simulation Period[a]	4.4	5.2	6.4	7.0	7.5	7.3	5.8	5.0	4.8	4.8	4.7	4.8
Water Year Types[b]												
Wet (31%)	4.6	7.3	11.2	9.5	11.7	11.1	8.6	6.1	5.4	5.1	4.9	5.7
Above Normal (25%)	4.2	4.3	5.2	11.5	11.0	9.2	5.5	4.8	4.6	4.7	4.6	4.6
Below Normal (6%)	4.2	4.4	4.3	6.0	6.9	6.0	4.7	4.8	4.5	4.5	4.5	4.3
Dry (13%)	4.3	4.7	4.9	5.0	5.2	6.2	4.9	4.6	4.6	4.8	4.7	4.5
Critical (25%)	4.3	4.5	4.7	4.9	4.6	4.7	4.4	4.4	4.5	4.7	4.6	4.5

Alternative 8 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-0.6	-0.2	-0.9	-1.8	-1.6	-1.4	-1.0	-0.5	-0.7	-1.3	-0.9	-1.1
20%	-0.6	-0.4	-0.7	-1.6	-1.7	-1.9	-0.4	-0.4	-0.7	-1.5	-0.9	-0.9
30%	-0.6	-0.8	-0.6	-1.2	-1.2	-1.3	-0.5	-0.4	-0.7	-1.4	-0.9	-1.0
40%	-0.7	-0.6	-0.6	-0.6	-1.4	-1.3	-0.3	-0.4	-0.6	-1.4	-0.9	-0.6
50%	-0.8	-0.6	-0.7	-0.7	-0.6	-0.9	-0.3	-0.3	-0.6	-1.3	-0.8	-0.6
60%	-0.7	-0.5	-0.6	-0.6	0.0	-0.7	-0.3	-0.3	-0.6	-1.2	-0.8	-0.6
70%	-0.7	-0.6	-0.5	-0.6	-0.3	-0.3	-0.4	-0.4	-0.7	-1.2	-0.8	-0.6
80%	-0.6	-0.6	-0.7	-0.8	-0.5	-0.2	-0.4	-0.5	-0.7	-0.9	-0.7	-0.6
90%	-0.7	-0.6	-0.7	-0.5	-0.4	-0.4	-0.3	-0.4	-0.6	-0.9	-0.7	-0.6
Long Term												
Full Simulation Period[a]	-0.7	-0.6	-0.7	-0.9	-0.8	-0.9	-0.5	-0.4	-0.6	-1.2	-0.8	-0.8
Water Year Types[b]												
Wet (31%)	-0.7	-0.5	-0.9	-1.4	-1.6	-1.5	-0.9	-0.4	-0.6	-1.2	-0.9	-1.0
Above Normal (25%)	-0.6	-0.6	-0.7	-1.2	-1.6	-1.7	-0.7	-0.4	-0.6	-1.6	-1.0	-1.0
Below Normal (6%)	-0.8	-0.8	-0.8	-0.6	-0.5	-0.6	-0.3	-0.1	-0.8	-1.1	-0.8	-0.7
Dry (13%)	-0.7	-0.6	-0.6	-0.5	-0.5	-0.5	-0.2	-0.5	-0.7	-1.4	-0.9	-0.6
Critical (25%)	-0.7	-0.6	-0.6	-0.7	-0.3	-0.5	-0.4	-0.3	-0.6	-1.0	-0.6	-0.6

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-29-1-25. Sacramento River at Freeport, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	5.3	7.4	13.3	13.0	14.7	13.6	10.0	6.1	5.7	6.5	5.9	6.8
20%	5.1	6.3	6.1	11.9	13.9	12.1	6.2	5.4	5.5	6.4	5.7	6.3
30%	5.0	5.5	6.0	8.9	9.5	9.9	5.5	5.2	5.4	6.3	5.7	5.6
40%	5.0	5.2	5.7	6.6	7.4	7.5	5.1	5.1	5.3	6.3	5.6	5.2
50%	5.0	5.1	5.6	6.4	6.3	6.9	5.0	4.9	5.3	6.1	5.5	5.2
60%	5.0	5.0	5.4	5.9	5.4	6.2	5.0	4.9	5.2	6.0	5.5	5.1
70%	4.9	5.0	5.2	5.5	5.1	5.4	4.9	4.9	5.2	5.9	5.4	5.1
80%	4.8	4.9	5.1	5.4	5.1	4.9	4.8	4.9	5.2	5.6	5.3	5.1
90%	4.8	4.8	5.0	5.0	4.8	4.8	4.7	4.7	5.1	5.5	5.2	4.9
Long Term												
Full Simulation Period[a]	5.0	5.8	7.1	7.9	8.3	8.2	6.3	5.4	5.4	6.1	5.5	5.6
Water Year Types[b]												
Wet (31%)	5.3	7.8	12.0	10.9	13.3	12.6	9.5	6.4	6.0	6.3	5.8	6.7
Above Normal (25%)	4.8	4.9	5.9	12.7	12.6	10.9	6.2	5.2	5.2	6.2	5.6	5.6
Below Normal (6%)	5.0	5.2	5.1	6.6	7.4	6.6	5.0	4.9	5.3	5.6	5.3	5.1
Dry (13%)	5.0	5.3	5.4	5.5	5.6	6.7	5.2	5.2	5.4	6.2	5.6	5.1
Critical (25%)	5.0	5.1	5.3	5.6	5.0	5.1	4.8	4.8	5.1	5.7	5.2	5.1

Alternative 9 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.8	7.1	12.9	12.5	14.5	13.5	9.3	5.7	5.1	5.6	5.2	6.7
20%	4.7	5.9	5.3	11.4	13.6	11.6	5.5	4.9	4.9	5.5	5.1	6.1
30%	4.6	5.0	5.3	8.1	8.8	9.0	4.9	4.7	4.8	5.4	5.1	5.2
40%	4.5	4.6	5.1	5.8	6.6	6.4	4.5	4.6	4.8	5.4	5.1	4.6
50%	4.4	4.6	4.9	5.7	5.6	6.1	4.5	4.4	4.7	5.3	5.0	4.6
60%	4.4	4.5	4.7	5.1	4.7	5.5	4.4	4.4	4.7	5.2	4.9	4.6
70%	4.3	4.4	4.6	4.7	4.5	4.7	4.4	4.4	4.6	5.0	4.8	4.6
80%	4.3	4.2	4.5	4.4	4.4	4.3	4.3	4.3	4.5	4.9	4.7	4.5
90%	4.3	4.2	4.4	4.3	4.2	4.2	4.2	4.2	4.5	4.8	4.6	4.4
Long Term												
Full Simulation Period[a]	4.5	5.3	6.5	7.2	7.8	7.6	5.7	4.9	4.8	5.3	4.9	5.1
Water Year Types[b]												
Wet (31%)	4.8	7.4	11.7	10.3	12.9	12.3	9.1	6.0	5.5	5.5	5.2	6.5
Above Normal (25%)	4.2	4.4	5.1	12.4	12.2	10.3	5.6	4.6	4.6	5.5	5.0	5.2
Below Normal (6%)	4.5	4.8	4.5	5.8	6.6	6.0	4.5	4.3	4.7	4.9	4.7	4.5
Dry (13%)	4.5	4.7	4.8	4.8	5.0	6.0	4.6	4.8	4.8	5.3	5.0	4.5
Critical (25%)	4.4	4.6	4.7	4.8	4.4	4.5	4.2	4.3	4.5	5.0	4.7	4.5

Alternative 9 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-0.4	-0.3	-0.3	-0.5	-0.1	-0.2	-0.6	-0.4	-0.5	-1.0	-0.6	-0.2
20%	-0.5	-0.4	-0.8	-0.4	-0.3	-0.5	-0.7	-0.5	-0.6	-0.9	-0.6	-0.2
30%	-0.4	-0.5	-0.7	-0.8	-0.8	-0.9	-0.6	-0.6	-0.6	-0.9	-0.6	-0.5
40%	-0.5	-0.6	-0.6	-0.8	-0.7	-1.1	-0.6	-0.5	-0.5	-0.9	-0.6	-0.6
50%	-0.6	-0.6	-0.7	-0.7	-0.7	-0.8	-0.6	-0.5	-0.6	-0.8	-0.5	-0.6
60%	-0.6	-0.5	-0.7	-0.7	-0.7	-0.8	-0.6	-0.5	-0.6	-0.8	-0.5	-0.6
70%	-0.6	-0.5	-0.6	-0.8	-0.6	-0.6	-0.5	-0.5	-0.6	-0.9	-0.6	-0.6
80%	-0.5	-0.6	-0.6	-1.0	-0.7	-0.6	-0.5	-0.6	-0.7	-0.7	-0.6	-0.5
90%	-0.5	-0.6	-0.6	-0.6	-0.6	-0.6	-0.5	-0.5	-0.6	-0.7	-0.6	-0.5
Long Term												
Full Simulation Period[a]	-0.5	-0.5	-0.6	-0.7	-0.5	-0.6	-0.5	-0.5	-0.6	-0.8	-0.6	-0.4
Water Year Types[b]												
Wet (31%)	-0.4	-0.4	-0.3	-0.6	-0.3	-0.3	-0.4	-0.5	-0.5	-0.8	-0.6	-0.2
Above Normal (25%)	-0.6	-0.5	-0.7	-0.3	-0.4	-0.7	-0.7	-0.6	-0.6	-0.7	-0.5	-0.5
Below Normal (6%)	-0.6	-0.4	-0.6	-0.8	-0.7	-0.7	-0.6	-0.6	-0.6	-0.7	-0.6	-0.5
Dry (13%)	-0.5	-0.6	-0.6	-0.7	-0.7	-0.7	-0.5	-0.4	-0.6	-0.9	-0.6	-0.6
Critical (25%)	-0.5	-0.5	-0.6	-0.8	-0.6	-0.6	-0.6	-0.5	-0.6	-0.8	-0.6	-0.5

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-29-2-1. Sacramento River at Freeport, Monthly Averaged Daily Minimum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.6	6.3	11.9	11.1	13.5	12.7	8.5	4.3	2.5	3.2	2.4	2.6
20%	1.7	5.0	3.7	9.1	12.4	10.1	3.3	1.9	1.6	2.8	2.2	1.7
30%	1.4	2.0	2.8	6.6	7.0	8.0	2.6	1.8	1.5	2.8	2.1	1.7
40%	1.2	1.3	2.4	3.5	5.6	6.0	1.9	1.6	1.4	2.7	2.0	1.6
50%	1.2	1.2	2.1	3.5	3.7	4.7	1.7	1.4	1.4	2.7	1.8	1.3
60%	1.1	1.1	1.8	2.7	1.9	4.4	1.5	1.1	1.4	2.7	1.6	1.2
70%	1.0	1.0	1.6	1.8	1.8	2.8	1.4	0.9	1.1	2.5	1.6	1.2
80%	0.9	0.9	1.4	1.6	1.7	1.8	1.3	0.8	0.9	2.2	1.5	0.9
90%	0.7	0.6	0.9	1.2	0.9	1.1	1.0	0.5	0.8	1.9	1.2	0.9
Long Term												
Full Simulation Period[a]	1.4	2.6	3.9	4.9	5.7	6.1	3.3	2.1	1.9	2.6	1.8	1.6
Water Year Types[b]												
Wet (31%)	2.2	5.9	10.2	8.7	11.7	11.7	7.2	4.8	3.9	3.2	2.1	2.9
Above Normal (25%)	0.9	1.3	2.5	10.9	10.4	9.1	4.2	2.4	1.6	2.3	1.8	1.6
Below Normal (6%)	1.7	1.1	1.0	3.5	5.6	4.8	1.9	1.9	1.6	2.8	2.0	1.3
Dry (13%)	1.1	2.0	2.1	2.1	2.5	4.4	1.9	1.3	1.5	2.7	2.2	1.4
Critical (25%)	1.2	1.1	1.6	2.1	1.4	1.9	1.1	0.6	0.8	2.2	1.3	0.9

No Action Alternative (LLT)

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.8	5.4	12.4	12.4	14.1	13.1	9.0	3.9	3.0	4.5	3.3	5.1
20%	2.7	4.2	3.8	10.8	13.3	11.3	4.3	2.9	2.8	4.5	3.2	4.3
30%	2.6	3.2	3.7	7.6	8.4	8.8	3.3	2.7	2.6	4.2	3.2	3.6
40%	2.5	2.8	3.2	4.5	5.5	6.3	2.8	2.4	2.5	4.1	3.1	2.5
50%	2.4	2.5	3.1	4.3	4.4	5.3	2.6	2.2	2.4	3.8	2.9	2.3
60%	2.4	2.1	2.7	3.6	3.1	4.4	2.5	2.1	2.3	3.6	2.8	2.2
70%	2.3	2.0	2.6	3.2	2.6	3.3	2.4	2.0	2.2	3.4	2.4	2.1
80%	2.1	1.9	2.0	2.7	2.4	2.5	2.3	1.8	2.1	3.0	2.2	2.0
90%	1.9	1.8	1.9	2.3	1.9	2.2	2.1	1.6	2.0	2.7	2.1	2.0
Long Term												
Full Simulation Period[a]	2.4	3.3	4.8	6.0	6.5	6.7	4.2	2.7	2.6	3.7	2.8	3.0
Water Year Types[b]												
Wet (31%)	2.8	5.8	10.9	9.8	12.5	12.0	8.0	4.2	3.5	4.0	3.2	5.0
Above Normal (25%)	2.1	2.2	3.5	11.8	11.8	10.1	4.6	2.7	2.6	4.3	3.2	3.6
Below Normal (6%)	2.7	2.8	2.6	4.5	5.5	5.1	2.8	2.2	2.8	3.3	2.8	2.5
Dry (13%)	2.3	2.8	2.9	3.0	3.4	4.9	2.8	2.5	2.4	4.0	3.0	2.2
Critical (25%)	2.3	2.2	2.4	3.2	2.3	2.8	2.3	1.8	2.0	3.1	2.2	2.0

No Action Alternative (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.2	**-0.9**	0.6	1.2	0.6	0.4	0.6	**-0.4**	0.5	1.3	0.9	2.5
20%	1.1	**-0.8**	0.1	1.7	0.9	1.2	1.0	1.0	1.2	1.7	1.0	2.6
30%	1.2	1.2	0.9	1.0	1.4	0.8	0.7	0.9	1.2	1.5	1.0	1.9
40%	1.3	1.4	0.8	0.9	**-0.1**	0.3	0.9	0.8	1.0	1.3	1.1	0.9
50%	1.3	1.3	1.0	0.8	0.6	0.5	0.8	0.8	1.0	1.1	1.1	1.0
60%	1.3	0.9	1.0	0.8	1.1	**0.0**	1.0	1.0	0.9	0.9	1.2	1.0
70%	1.3	1.0	1.0	1.4	0.8	0.5	1.0	1.1	1.1	0.9	0.8	0.9
80%	1.2	1.0	0.7	1.1	0.7	0.7	1.0	1.0	1.2	0.8	0.7	1.1
90%	1.2	1.1	1.0	1.2	1.0	1.1	1.1	1.1	1.2	0.8	1.0	1.1
Long Term												
Full Simulation Period[a]	1.0	0.7	0.9	1.0	0.9	0.6	0.9	0.6	0.7	1.0	0.9	1.4
Water Year Types[b]												
Wet (31%)	0.6	**-0.1**	0.7	1.1	0.8	0.3	0.8	**-0.6**	**-0.4**	0.8	1.1	2.1
Above Normal (25%)	1.2	0.9	1.0	0.9	1.4	1.0	0.3	0.3	0.9	1.9	1.4	1.9
Below Normal (6%)	1.1	1.6	1.6	1.0	**-0.1**	0.3	0.9	0.3	1.3	0.5	0.8	1.2
Dry (13%)	1.2	0.8	0.8	0.9	0.9	0.5	0.9	1.2	1.0	1.3	0.8	0.8
Critical (25%)	1.1	1.1	0.8	1.2	0.9	0.9	1.1	1.2	1.2	0.8	0.9	1.1

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

Table C-29-2-2. Sacramento River at Freeport, Monthly Averaged Daily Minimum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.6	6.3	11.9	11.1	13.5	12.7	8.5	4.3	2.5	3.2	2.4	2.6
20%	1.7	5.0	3.7	9.1	12.4	10.1	3.3	1.9	1.6	2.8	2.2	1.7
30%	1.4	2.0	2.8	6.6	7.0	8.0	2.6	1.8	1.5	2.8	2.1	1.7
40%	1.2	1.3	2.4	3.5	5.6	6.0	1.9	1.6	1.4	2.7	2.0	1.6
50%	1.2	1.2	2.1	3.5	3.7	4.7	1.7	1.4	1.4	2.7	1.8	1.3
60%	1.1	1.1	1.8	2.7	1.9	4.4	1.5	1.1	1.4	2.7	1.6	1.2
70%	1.0	1.0	1.6	1.8	1.8	2.8	1.4	0.9	1.1	2.5	1.6	1.2
80%	0.9	0.9	1.4	1.6	1.7	1.8	1.3	0.8	0.9	2.2	1.5	0.9
90%	0.7	0.6	0.9	1.2	0.9	1.1	1.0	0.5	0.8	1.9	1.2	0.9
Long Term												
Full Simulation Period[a]	1.4	2.6	3.9	4.9	5.7	6.1	3.3	2.1	1.9	2.6	1.8	1.6
Water Year Types[b]												
Wet (31%)	2.2	5.9	10.2	8.7	11.7	11.7	7.2	4.8	3.9	3.2	2.1	2.9
Above Normal (25%)	0.9	1.3	2.5	10.9	10.4	9.1	4.2	2.4	1.6	2.3	1.8	1.6
Below Normal (6%)	1.7	1.1	1.0	3.5	5.6	4.8	1.9	1.9	1.6	2.8	2.0	1.3
Dry (13%)	1.1	2.0	2.1	2.1	2.5	4.4	1.9	1.3	1.5	2.7	2.2	1.4
Critical (25%)	1.2	1.1	1.6	2.1	1.4	1.9	1.1	0.6	0.8	2.2	1.3	0.9

Alternative 1A,1B,1C (LLT)

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3.9	4.2	10.7	10.2	12.3	11.3	7.0	3.3	3.4	4.0	2.8	2.6
20%	3.5	3.8	3.4	8.6	11.2	9.2	3.9	2.9	3.0	3.9	2.8	2.6
30%	2.9	2.8	3.2	6.2	6.2	6.8	3.0	2.7	2.9	3.6	2.7	2.5
40%	2.7	2.2	3.1	3.7	4.0	4.0	2.6	2.5	2.8	3.2	2.5	2.4
50%	2.3	2.1	3.0	3.4	3.3	3.8	2.6	2.4	2.6	3.1	2.4	2.3
60%	2.3	1.9	2.9	3.0	2.4	3.4	2.6	2.4	2.6	3.0	2.3	2.3
70%	2.2	1.8	2.4	2.6	2.4	2.8	2.4	2.3	2.5	2.8	2.3	2.1
80%	2.1	1.8	2.3	2.4	2.3	2.4	2.3	2.0	2.3	2.6	2.3	2.1
90%	2.0	1.7	2.1	2.1	2.3	2.0	2.3	1.8	2.2	2.4	2.3	2.1
Long Term												
Full Simulation Period[a]	2.8	2.8	4.4	4.9	5.5	5.5	3.8	2.7	2.8	3.2	2.6	2.4
Water Year Types[b]												
Wet (31%)	2.5	5.2	9.6	7.9	10.6	10.2	7.0	3.6	3.4	3.6	2.4	2.4
Above Normal (25%)	2.8	1.8	3.2	9.6	9.8	8.1	3.4	2.5	2.8	3.3	2.3	2.0
Below Normal (6%)	4.2	1.8	2.4	3.7	4.0	3.6	2.5	2.3	2.8	2.4	2.1	2.1
Dry (13%)	2.2	2.2	2.8	3.0	2.7	3.9	2.8	2.7	2.8	3.6	3.1	2.4
Critical (25%)	3.2	2.1	2.4	2.5	2.3	2.4	2.3	2.0	2.3	2.8	2.4	2.4

Alternative 1A,1B,1C (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.3	-2.2	-1.1	-0.9	-1.2	-1.4	-1.4	-1.0	0.9	0.8	0.4	0.1
20%	1.8	-1.3	-0.4	-0.6	-1.2	-0.9	0.5	0.9	1.5	1.1	0.6	0.8
30%	1.6	0.9	0.4	-0.4	-0.8	-1.1	0.4	0.9	1.4	0.9	0.5	0.8
40%	1.6	0.9	0.7	0.1	-1.6	-2.0	0.8	0.9	1.3	0.5	0.5	0.9
50%	1.2	0.9	0.9	-0.1	-0.4	-0.9	0.9	1.1	1.2	0.4	0.6	1.0
60%	1.2	0.8	1.1	0.3	0.5	-1.0	1.1	1.2	1.2	0.3	0.7	1.1
70%	1.2	0.9	0.8	0.8	0.6	0.0	1.0	1.4	1.4	0.3	0.8	0.9
80%	1.2	0.8	0.9	0.8	0.6	0.5	1.0	1.2	1.5	0.4	0.8	1.2
90%	1.3	1.1	1.2	0.9	1.4	0.9	1.3	1.3	1.4	0.5	1.1	1.2
Long Term												
Full Simulation Period[a]	1.4	0.3	0.5	0.0	-0.1	-0.6	0.5	0.6	0.9	0.6	0.7	0.7
Water Year Types[b]												
Wet (31%)	0.2	-0.7	-0.6	-0.8	-1.1	-1.6	-0.2	-1.2	-0.5	0.3	0.3	-0.4
Above Normal (25%)	1.9	0.5	0.7	-1.3	-0.6	-1.1	-0.8	0.2	1.1	1.0	0.5	0.3
Below Normal (6%)	2.5	0.6	1.4	0.2	-1.6	-1.2	0.6	0.4	1.2	-0.4	0.1	0.8
Dry (13%)	1.1	0.2	0.7	0.9	0.1	-0.4	1.0	1.4	1.4	0.9	0.8	1.0
Critical (25%)	2.0	1.0	0.8	0.4	0.9	0.5	1.2	1.4	1.4	0.5	1.1	1.5

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-29-2-3. Sacramento River at Freeport, Monthly Averaged Daily Minimum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.6	6.3	11.9	11.1	13.5	12.7	8.5	4.3	2.5	3.2	2.4	2.6
20%	1.7	5.0	3.7	9.1	12.4	10.1	3.3	1.9	1.6	2.8	2.2	1.7
30%	1.4	2.0	2.8	6.6	7.0	8.0	2.6	1.8	1.5	2.8	2.1	1.7
40%	1.2	1.3	2.4	3.5	5.6	6.0	1.9	1.6	1.4	2.7	2.0	1.6
50%	1.2	1.2	2.1	3.5	3.7	4.7	1.7	1.4	1.4	2.7	1.8	1.3
60%	1.1	1.1	1.8	2.7	1.9	4.4	1.5	1.1	1.4	2.7	1.6	1.2
70%	1.0	1.0	1.6	1.8	1.8	2.8	1.4	0.9	1.1	2.5	1.6	1.2
80%	0.9	0.9	1.4	1.6	1.7	1.8	1.3	0.8	0.9	2.2	1.5	0.9
90%	0.7	0.6	0.9	1.2	0.9	1.1	1.0	0.5	0.8	1.9	1.2	0.9
Long Term												
Full Simulation Period[a]	1.4	2.6	3.9	4.9	5.7	6.1	3.3	2.1	1.9	2.6	1.8	1.6
Water Year Types[b]												
Wet (31%)	2.2	5.9	10.2	8.7	11.7	11.7	7.2	4.8	3.9	3.2	2.1	2.9
Above Normal (25%)	0.9	1.3	2.5	10.9	10.4	9.1	4.2	2.4	1.6	2.3	1.8	1.6
Below Normal (6%)	1.7	1.1	1.0	3.5	5.6	4.8	1.9	1.9	1.6	2.8	2.0	1.3
Dry (13%)	1.1	2.0	2.1	2.1	2.5	4.4	1.9	1.3	1.5	2.7	2.2	1.4
Critical (25%)	1.2	1.1	1.6	2.1	1.4	1.9	1.1	0.6	0.8	2.2	1.3	0.9

Alternative 2A,2B,2C (LLT)

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.8	4.1	10.6	10.3	12.3	11.4	7.2	3.4	3.4	4.2	3.0	4.0
20%	2.7	3.6	3.3	8.8	11.4	9.3	4.0	2.9	3.0	3.9	2.7	3.7
30%	2.5	2.5	3.2	5.9	6.2	6.6	2.8	2.7	2.9	3.7	2.6	2.9
40%	2.3	2.3	3.1	3.6	4.0	4.2	2.7	2.6	2.9	3.6	2.6	2.7
50%	2.2	2.2	2.8	3.4	3.4	4.0	2.5	2.5	2.6	3.4	2.5	2.5
60%	2.1	2.0	2.6	3.2	2.5	3.5	2.4	2.3	2.5	3.1	2.5	2.4
70%	2.0	1.9	2.5	2.7	2.4	2.7	2.3	2.1	2.4	2.9	2.4	2.4
80%	1.9	1.9	2.4	2.5	2.3	2.3	2.3	2.0	2.3	2.6	2.3	2.3
90%	1.9	1.8	2.3	2.2	1.8	2.1	2.2	1.8	2.3	2.4	2.3	2.3
Long Term												
Full Simulation Period[a]	2.3	2.8	4.4	5.0	5.5	5.5	3.7	2.7	2.8	3.4	2.6	2.9
Water Year Types[b]												
Wet (31%)	2.4	4.7	9.5	8.0	10.7	10.2	7.0	3.6	3.4	3.7	2.5	4.0
Above Normal (25%)	2.6	1.9	3.2	9.7	9.7	8.2	3.4	2.6	2.5	4.1	2.7	2.7
Below Normal (6%)	2.1	1.9	2.4	3.7	4.0	3.8	2.6	2.3	2.9	2.4	2.2	2.2
Dry (13%)	2.0	2.4	2.7	2.6	2.8	3.7	2.8	2.8	2.9	3.5	2.9	2.5
Critical (25%)	2.4	2.2	2.5	2.9	2.1	2.5	2.2	2.0	2.3	2.8	2.4	2.4

Alternative 2A,2B,2C (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.2	-2.2	-1.3	-0.8	-1.2	-1.3	-1.3	-0.9	0.9	1.0	0.5	1.4
20%	1.0	-1.4	-0.4	-0.4	-1.1	-0.8	0.7	0.9	1.5	1.1	0.6	2.0
30%	1.2	0.5	0.4	-0.7	-0.8	-1.4	0.2	1.0	1.4	0.9	0.5	1.2
40%	1.2	0.9	0.6	0.0	-1.5	-1.8	0.8	1.0	1.4	0.9	0.6	1.1
50%	1.0	1.0	0.8	-0.1	-0.3	-0.8	0.8	1.1	1.2	0.7	0.7	1.2
60%	1.0	0.8	0.9	0.5	0.6	-0.9	0.9	1.1	1.2	0.5	0.9	1.2
70%	1.0	1.0	0.9	0.9	0.6	-0.1	0.9	1.2	1.3	0.4	0.9	1.1
80%	1.0	1.0	1.0	0.9	0.5	0.4	1.0	1.2	1.5	0.5	0.8	1.4
90%	1.2	1.2	1.4	1.1	0.9	1.0	1.3	1.3	1.5	0.5	1.1	1.4
Long Term												
Full Simulation Period[a]	0.9	0.3	0.5	0.1	-0.2	-0.6	0.5	0.6	0.9	0.7	0.7	1.2
Water Year Types[b]												
Wet (31%)	0.1	-1.2	-0.6	-0.7	-1.0	-1.5	-0.2	-1.2	-0.5	0.4	0.4	1.1
Above Normal (25%)	1.7	0.6	0.7	-1.2	-0.7	-0.9	-0.9	0.2	0.9	1.7	0.9	1.1
Below Normal (6%)	0.5	0.8	1.4	0.2	-1.5	-1.1	0.7	0.3	1.3	-0.4	0.2	0.9
Dry (13%)	0.9	0.4	0.6	0.4	0.2	-0.7	0.9	1.5	1.4	0.9	0.6	1.1
Critical (25%)	1.2	1.1	0.9	0.8	0.7	0.6	1.1	1.4	1.5	0.6	1.1	1.5

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-29-2-4. Sacramento River at Freeport, Monthly Averaged Daily Minimum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.6	6.3	11.9	11.1	13.5	12.7	8.5	4.3	2.5	3.2	2.4	2.6
20%	1.7	5.0	3.7	9.1	12.4	10.1	3.3	1.9	1.6	2.8	2.2	1.7
30%	1.4	2.0	2.8	6.6	7.0	8.0	2.6	1.8	1.5	2.8	2.1	1.7
40%	1.2	1.3	2.4	3.5	5.6	6.0	1.9	1.6	1.4	2.7	2.0	1.6
50%	1.2	1.2	2.1	3.5	3.7	4.7	1.7	1.4	1.4	2.7	1.8	1.3
60%	1.1	1.1	1.8	2.7	1.9	4.4	1.5	1.1	1.4	2.7	1.6	1.2
70%	1.0	1.0	1.6	1.8	1.8	2.8	1.4	0.9	1.1	2.5	1.6	1.2
80%	0.9	0.9	1.4	1.6	1.7	1.8	1.3	0.8	0.9	2.2	1.5	0.9
90%	0.7	0.6	0.9	1.2	0.9	1.1	1.0	0.5	0.8	1.9	1.2	0.9
Long Term												
Full Simulation Period[a]	1.4	2.6	3.9	4.9	5.7	6.1	3.3	2.1	1.9	2.6	1.8	1.6
Water Year Types[b]												
Wet (31%)	2.2	5.9	10.2	8.7	11.7	11.7	7.2	4.8	3.9	3.2	2.1	2.9
Above Normal (25%)	0.9	1.3	2.5	10.9	10.4	9.1	4.2	2.4	1.6	2.3	1.8	1.6
Below Normal (6%)	1.7	1.1	1.0	3.5	5.6	4.8	1.9	1.9	1.6	2.8	2.0	1.3
Dry (13%)	1.1	2.0	2.1	2.1	2.5	4.4	1.9	1.3	1.5	2.7	2.2	1.4
Critical (25%)	1.2	1.1	1.6	2.1	1.4	1.9	1.1	0.6	0.8	2.2	1.3	0.9

Alternative 3 (LLT)

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3.9	5.0	11.6	10.8	12.9	12.0	7.6	3.7	3.6	4.1	2.9	2.7
20%	3.6	3.8	3.7	9.5	12.0	9.8	3.9	2.8	3.1	4.0	2.7	2.6
30%	3.1	2.3	3.4	6.4	6.8	7.2	3.1	2.7	2.8	3.7	2.7	2.5
40%	2.7	2.2	3.0	3.9	4.4	4.4	2.7	2.5	2.7	3.2	2.5	2.4
50%	2.5	2.1	3.0	3.7	3.7	4.2	2.7	2.4	2.6	3.0	2.4	2.4
60%	2.2	2.1	2.9	3.1	2.7	3.6	2.6	2.3	2.4	3.0	2.3	2.3
70%	2.2	2.0	2.5	2.6	2.5	3.1	2.5	2.3	2.4	2.8	2.3	2.3
80%	2.1	2.0	2.2	2.5	2.4	2.5	2.4	2.0	2.4	2.5	2.3	2.3
90%	2.0	1.9	2.2	2.2	2.0	2.2	2.3	1.8	2.2	2.4	2.2	2.1
Long Term												
Full Simulation Period[a]	2.8	3.0	4.6	5.3	5.8	5.9	3.9	2.7	2.8	3.2	2.5	2.4
Water Year Types[b]												
Wet (31%)	2.5	5.4	10.2	8.5	11.3	10.7	7.4	3.8	3.6	3.5	2.4	2.7
Above Normal (25%)	3.1	2.1	3.2	10.4	10.5	8.5	3.8	2.5	2.8	3.4	2.3	2.2
Below Normal (6%)	3.6	2.1	2.5	3.9	4.4	4.0	2.6	2.3	2.7	2.3	2.1	2.0
Dry (13%)	2.2	2.3	2.9	2.9	3.0	4.3	2.9	2.8	2.7	3.7	2.9	2.4
Critical (25%)	3.3	2.1	2.5	2.8	2.2	2.6	2.3	2.0	2.3	2.8	2.5	2.5

Alternative 3 (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.3	-1.3	-0.3	-0.3	-0.6	-0.7	-0.8	-0.6	1.1	0.9	0.4	0.1
20%	2.0	-1.3	-0.1	0.3	-0.5	-0.3	0.5	0.9	1.5	1.2	0.6	0.9
30%	1.7	0.3	0.6	-0.2	-0.2	-0.8	0.5	0.9	1.3	0.9	0.5	0.8
40%	1.5	0.9	0.6	0.4	-1.2	-1.6	0.8	0.9	1.2	0.5	0.5	0.9
50%	1.3	1.0	0.9	0.3	-0.1	-0.5	0.9	1.0	1.2	0.3	0.6	1.0
60%	1.2	0.9	1.1	0.4	0.8	-0.8	1.2	1.2	1.1	0.3	0.7	1.1
70%	1.2	1.1	0.9	0.8	0.7	0.3	1.1	1.3	1.3	0.3	0.7	1.1
80%	1.2	1.0	0.9	0.9	0.7	0.7	1.1	1.2	1.5	0.3	0.8	1.4
90%	1.3	1.2	1.3	1.1	1.0	1.1	1.3	1.3	1.5	0.5	1.1	1.2
Long Term												
Full Simulation Period[a]	1.4	0.4	0.7	0.3	0.2	-0.2	0.7	0.6	0.9	0.6	0.7	0.8
Water Year Types[b]												
Wet (31%)	0.2	-0.5	0.0	-0.2	-0.5	-1.0	0.2	-0.9	-0.3	0.3	0.3	-0.2
Above Normal (25%)	2.2	0.7	0.7	-0.5	0.0	-0.7	-0.5	0.1	1.2	1.0	0.5	0.6
Below Normal (6%)	2.0	0.9	1.5	0.4	-1.2	-0.8	0.8	0.4	1.2	-0.4	0.0	0.7
Dry (13%)	1.1	0.4	0.8	0.8	0.5	-0.1	1.0	1.5	1.2	1.0	0.7	1.0
Critical (25%)	2.1	1.0	0.9	0.7	0.8	0.7	1.2	1.4	1.4	0.6	1.2	1.5

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-29-2-5. Sacramento River at Freeport, Monthly Averaged Daily Minimum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.6	6.3	11.9	11.1	13.5	12.7	8.5	4.3	2.5	3.2	2.4	2.6
20%	1.7	5.0	3.7	9.1	12.4	10.1	3.3	1.9	1.6	2.8	2.2	1.7
30%	1.4	2.0	2.8	6.6	7.0	8.0	2.6	1.8	1.5	2.8	2.1	1.7
40%	1.2	1.3	2.4	3.5	5.6	6.0	1.9	1.6	1.4	2.7	2.0	1.6
50%	1.2	1.2	2.1	3.5	3.7	4.7	1.7	1.4	1.4	2.7	1.8	1.3
60%	1.1	1.1	1.8	2.7	1.9	4.4	1.5	1.1	1.4	2.7	1.6	1.2
70%	1.0	1.0	1.6	1.8	1.8	2.8	1.4	0.9	1.1	2.5	1.6	1.2
80%	0.9	0.9	1.4	1.6	1.7	1.8	1.3	0.8	0.9	2.2	1.5	0.9
90%	0.7	0.6	0.9	1.2	0.9	1.1	1.0	0.5	0.8	1.9	1.2	0.9
Long Term												
Full Simulation Period[a]	1.4	2.6	3.9	4.9	5.7	6.1	3.3	2.1	1.9	2.6	1.8	1.6
Water Year Types[b]												
Wet (31%)	2.2	5.9	10.2	8.7	11.7	11.7	7.2	4.8	3.9	3.2	2.1	2.9
Above Normal (25%)	0.9	1.3	2.5	10.9	10.4	9.1	4.2	2.4	1.6	2.3	1.8	1.6
Below Normal (6%)	1.7	1.1	1.0	3.5	5.6	4.8	1.9	1.9	1.6	2.8	2.0	1.3
Dry (13%)	1.1	2.0	2.1	2.1	2.5	4.4	1.9	1.3	1.5	2.7	2.2	1.4
Critical (25%)	1.2	1.1	1.6	2.1	1.4	1.9	1.1	0.6	0.8	2.2	1.3	0.9

Alternative 4 H1 (LLT)

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.8	4.9	11.2	10.6	12.7	11.7	7.4	3.6	3.3	4.5	3.1	2.9
20%	2.8	3.7	3.6	9.2	11.7	9.6	4.1	2.9	3.0	3.9	2.9	2.6
30%	2.7	2.2	3.3	6.2	6.6	7.2	2.9	2.8	2.9	3.8	2.8	2.6
40%	2.5	2.2	3.2	3.9	4.3	4.3	2.7	2.4	2.7	3.7	2.6	2.5
50%	2.4	2.1	3.0	3.8	3.6	4.2	2.6	2.4	2.6	3.3	2.6	2.4
60%	2.1	2.0	2.8	3.4	2.7	3.7	2.5	2.2	2.5	3.0	2.5	2.4
70%	2.0	2.0	2.5	3.3	2.4	2.9	2.4	2.1	2.4	2.8	2.4	2.3
80%	2.0	1.9	2.3	2.9	2.3	2.3	2.3	2.0	2.3	2.7	2.3	2.3
90%	1.9	1.8	2.3	2.3	2.0	2.2	2.3	1.7	2.2	2.3	2.3	2.2
Long Term												
Full Simulation Period[a]	2.4	2.9	4.5	5.3	5.7	5.8	3.8	2.7	2.8	3.4	2.7	2.5
Water Year Types[b]												
Wet (31%)	2.3	5.2	9.9	8.3	11.0	10.5	7.2	3.7	3.5	3.8	2.6	2.7
Above Normal (25%)	2.5	2.0	3.3	10.3	10.2	8.4	3.5	2.5	2.5	4.1	2.8	2.2
Below Normal (6%)	2.9	2.0	2.4	3.9	4.3	4.0	2.7	2.2	2.7	2.2	2.1	2.0
Dry (13%)	2.0	2.4	2.8	2.8	2.9	4.1	2.9	2.8	2.8	3.6	3.0	2.7
Critical (25%)	2.5	2.1	2.6	3.2	2.2	2.6	2.3	2.0	2.3	2.7	2.4	2.4

Alternative 4 H1 (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.2	**-1.5**	**-0.6**	**-0.5**	**-0.8**	**-1.0**	**-1.1**	**-0.7**	0.8	1.3	0.7	0.4
20%	1.1	**-1.3**	**-0.1**	0.1	**-0.8**	**-0.5**	0.8	0.9	1.4	1.1	0.7	0.8
30%	1.3	0.3	0.6	**-0.5**	**-0.4**	**-0.7**	0.2	1.0	1.4	1.1	0.6	0.9
40%	1.3	0.8	0.8	0.4	**-1.3**	**-1.7**	0.8	0.8	1.3	1.0	0.6	1.0
50%	1.2	0.9	1.0	0.3	**-0.1**	**-0.6**	0.9	1.0	1.2	0.6	0.7	1.1
60%	1.0	0.9	1.0	0.7	0.7	**-0.7**	1.0	1.1	1.2	0.3	0.9	1.1
70%	1.0	1.0	0.8	1.5	0.6	0.0	1.0	1.2	1.3	0.3	0.8	1.1
80%	1.1	1.0	0.9	1.3	0.6	0.5	1.1	1.2	1.4	0.5	0.8	1.3
90%	1.3	1.2	1.4	1.2	1.1	1.1	1.3	1.3	1.4	0.4	1.1	1.3
Long Term												
Full Simulation Period[a]	1.0	0.4	0.6	0.4	0.1	**-0.3**	0.5	0.6	0.9	0.7	0.8	0.9
Water Year Types[b]												
Wet (31%)	0.1	**-0.7**	**-0.2**	**-0.4**	**-0.7**	**-1.2**	**-0.1**	**-1.1**	**-0.4**	0.6	0.5	**-0.2**
Above Normal (25%)	1.6	0.7	0.8	**-0.6**	**-0.2**	**-0.7**	**-0.7**	0.2	0.9	1.8	0.9	0.5
Below Normal (6%)	1.2	0.9	1.4	0.4	**-1.3**	**-0.8**	0.8	0.3	1.2	**-0.5**	0.1	0.7
Dry (13%)	0.9	0.4	0.7	0.6	0.4	**-0.3**	1.0	1.5	1.4	0.9	0.8	1.3
Critical (25%)	1.4	1.0	1.0	1.1	0.8	0.7	1.1	1.4	1.4	0.5	1.1	1.5

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-29-2-6. Sacramento River at Freeport, Monthly Averaged Daily Minimum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.6	6.3	11.9	11.1	13.5	12.7	8.5	4.3	2.5	3.2	2.4	2.6
20%	1.7	5.0	3.7	9.1	12.4	10.1	3.3	1.9	1.6	2.8	2.2	1.7
30%	1.4	2.0	2.8	6.6	7.0	8.0	2.6	1.8	1.5	2.8	2.1	1.7
40%	1.2	1.3	2.4	3.5	5.6	6.0	1.9	1.6	1.4	2.7	2.0	1.6
50%	1.2	1.2	2.1	3.5	3.7	4.7	1.7	1.4	1.4	2.7	1.8	1.3
60%	1.1	1.1	1.8	2.7	1.9	4.4	1.5	1.1	1.4	2.7	1.6	1.2
70%	1.0	1.0	1.6	1.8	1.8	2.8	1.4	0.9	1.1	2.5	1.6	1.2
80%	0.9	0.9	1.4	1.6	1.7	1.8	1.3	0.8	0.9	2.2	1.5	0.9
90%	0.7	0.6	0.9	1.2	0.9	1.1	1.0	0.5	0.8	1.9	1.2	0.9
Long Term												
Full Simulation Period[a]	1.4	2.6	3.9	4.9	5.7	6.1	3.3	2.1	1.9	2.6	1.8	1.6
Water Year Types[b]												
Wet (31%)	2.2	5.9	10.2	8.7	11.7	11.7	7.2	4.8	3.9	3.2	2.1	2.9
Above Normal (25%)	0.9	1.3	2.5	10.9	10.4	9.1	4.2	2.4	1.6	2.3	1.8	1.6
Below Normal (6%)	1.7	1.1	1.0	3.5	5.6	4.8	1.9	1.9	1.6	2.8	2.0	1.3
Dry (13%)	1.1	2.0	2.1	2.1	2.5	4.4	1.9	1.3	1.5	2.7	2.2	1.4
Critical (25%)	1.2	1.1	1.6	2.1	1.4	1.9	1.1	0.6	0.8	2.2	1.3	0.9

Alternative 4 H2 (LLT)

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3.1	5.1	11.4	10.7	12.7	11.7	7.8	3.6	3.1	3.7	3.0	2.7
20%	3.0	3.9	3.8	9.2	11.7	9.6	4.5	3.5	2.9	3.4	2.8	2.6
30%	2.8	2.2	3.4	6.1	6.6	7.5	4.1	2.9	2.7	3.3	2.7	2.5
40%	2.3	2.1	3.3	3.8	4.5	4.4	3.1	2.9	2.5	3.1	2.6	2.5
50%	2.3	2.1	2.8	3.5	3.6	4.3	2.6	2.5	2.5	3.1	2.6	2.4
60%	2.2	2.0	2.4	3.4	2.6	3.7	2.5	2.3	2.4	2.9	2.5	2.3
70%	2.1	2.0	2.2	3.1	2.4	2.9	2.4	2.2	2.3	2.5	2.4	2.3
80%	2.0	1.9	2.2	2.7	2.3	2.3	2.3	1.9	2.2	2.4	2.3	2.2
90%	2.0	1.9	2.0	2.3	1.9	2.1	2.2	1.7	2.2	2.4	2.2	2.2
Long Term												
Full Simulation Period[a]	2.4	3.0	4.5	5.3	5.7	5.8	4.1	2.8	2.7	3.0	2.6	2.5
Water Year Types[b]												
Wet (31%)	2.5	5.3	10.0	8.3	11.0	10.5	7.7	3.9	3.2	3.2	2.6	2.7
Above Normal (25%)	2.6	2.0	3.3	10.5	10.3	8.5	4.7	3.1	2.4	2.9	2.6	2.2
Below Normal (6%)	2.0	2.0	2.1	3.9	4.5	4.3	2.7	2.3	2.9	2.3	2.1	2.0
Dry (13%)	2.1	2.4	2.7	2.7	2.9	4.2	2.8	2.7	2.7	3.4	2.9	2.4
Critical (25%)	2.7	2.1	2.4	3.1	2.2	2.6	2.2	2.0	2.2	2.8	2.5	2.5

Alternative 4 H2 (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.4	**-1.2**	**-0.4**	**-0.5**	**-0.8**	**-1.0**	**-0.7**	**-0.7**	0.7	0.4	0.6	0.1
20%	1.3	**-1.2**	0.1	0.0	**-0.8**	**-0.5**	1.1	1.6	1.3	0.6	0.6	0.8
30%	1.4	0.3	0.6	**-0.5**	**-0.4**	**-0.5**	1.5	1.2	1.2	0.6	0.6	0.8
40%	1.1	0.8	0.9	0.3	**-1.1**	**-1.7**	1.3	1.3	1.1	0.4	0.6	0.9
50%	1.1	0.9	0.7	0.0	**-0.1**	**-0.4**	0.9	1.1	1.1	0.4	0.7	1.1
60%	1.2	0.9	0.6	0.7	0.7	**-0.7**	1.1	1.2	1.0	0.2	0.9	1.1
70%	1.1	1.0	0.6	1.3	0.6	0.1	1.0	1.2	1.2	0.0	0.9	1.1
80%	1.1	1.0	0.8	1.1	0.6	0.5	1.0	1.1	1.4	0.3	0.8	1.3
90%	1.3	1.2	1.1	1.2	0.9	1.1	1.3	1.3	1.4	0.5	1.1	1.3
Long Term												
Full Simulation Period[a]	1.0	0.4	0.5	0.3	0.1	**-0.3**	0.8	0.7	0.8	0.4	0.8	0.8
Water Year Types[b]												
Wet (31%)	0.3	**-0.6**	**-0.1**	**-0.4**	**-0.7**	**-1.2**	0.5	**-0.9**	**-0.6**	**-0.1**	0.5	**-0.1**
Above Normal (25%)	1.7	0.6	0.9	**-0.5**	**-0.1**	**-0.7**	0.5	0.7	0.8	0.5	0.8	0.5
Below Normal (6%)	0.3	0.8	1.1	0.4	**-1.1**	**-0.5**	0.8	0.4	1.3	**-0.5**	0.1	0.7
Dry (13%)	1.0	0.4	0.6	0.5	0.4	**-0.2**	0.9	1.4	1.2	0.7	0.7	1.0
Critical (25%)	1.5	1.0	0.8	1.1	0.7	0.7	1.1	1.4	1.4	0.5	1.2	1.6

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-29-2-7. Sacramento River at Freeport, Monthly Averaged Daily Minimum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.6	6.3	11.9	11.1	13.5	12.7	8.5	4.3	2.5	3.2	2.4	2.6
20%	1.7	5.0	3.7	9.1	12.4	10.1	3.3	1.9	1.6	2.8	2.2	1.7
30%	1.4	2.0	2.8	6.6	7.0	8.0	2.6	1.8	1.5	2.8	2.1	1.7
40%	1.2	1.3	2.4	3.5	5.6	6.0	1.9	1.6	1.4	2.7	2.0	1.6
50%	1.2	1.2	2.1	3.5	3.7	4.7	1.7	1.4	1.4	2.7	1.8	1.3
60%	1.1	1.1	1.8	2.7	1.9	4.4	1.5	1.1	1.4	2.7	1.6	1.2
70%	1.0	1.0	1.6	1.8	1.8	2.8	1.4	0.9	1.1	2.5	1.6	1.2
80%	0.9	0.9	1.4	1.6	1.7	1.8	1.3	0.8	0.9	2.2	1.5	0.9
90%	0.7	0.6	0.9	1.2	0.9	1.1	1.0	0.5	0.8	1.9	1.2	0.9
Long Term												
Full Simulation Period[a]	1.4	2.6	3.9	4.9	5.7	6.1	3.3	2.1	1.9	2.6	1.8	1.6
Water Year Types[b]												
Wet (31%)	2.2	5.9	10.2	8.7	11.7	11.7	7.2	4.8	3.9	3.2	2.1	2.9
Above Normal (25%)	0.9	1.3	2.5	10.9	10.4	9.1	4.2	2.4	1.6	2.3	1.8	1.6
Below Normal (6%)	1.7	1.1	1.0	3.5	5.6	4.8	1.9	1.9	1.6	2.8	2.0	1.3
Dry (13%)	1.1	2.0	2.1	2.1	2.5	4.4	1.9	1.3	1.5	2.7	2.2	1.4
Critical (25%)	1.2	1.1	1.6	2.1	1.4	1.9	1.1	0.6	0.8	2.2	1.3	0.9

Alternative 4 H3 (LLT)

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.7	4.9	11.0	10.6	12.6	11.7	7.4	3.6	3.3	4.5	3.1	4.3
20%	2.6	3.8	3.4	9.1	11.7	9.6	4.1	2.9	3.0	3.9	2.9	3.8
30%	2.4	2.5	3.3	6.3	6.6	6.9	2.9	2.7	2.9	3.8	2.7	3.0
40%	2.2	2.2	3.3	3.9	4.3	4.3	2.7	2.5	2.8	3.7	2.6	2.8
50%	2.2	2.2	3.1	3.8	3.6	4.2	2.5	2.4	2.6	3.2	2.5	2.6
60%	2.1	2.0	2.7	3.4	2.7	3.7	2.4	2.2	2.5	3.0	2.5	2.5
70%	2.1	2.0	2.5	2.8	2.4	2.8	2.4	2.1	2.4	2.8	2.4	2.4
80%	2.1	1.9	2.3	2.5	2.3	2.3	2.3	2.0	2.3	2.6	2.4	2.3
90%	2.0	1.9	2.1	2.1	1.9	2.2	2.3	1.7	2.2	2.3	2.3	2.3
Long Term												
Full Simulation Period[a]	2.3	3.0	4.5	5.2	5.7	5.7	3.8	2.7	2.8	3.3	2.6	3.0
Water Year Types[b]												
Wet (31%)	2.3	5.1	9.8	8.3	11.0	10.5	7.2	3.7	3.5	3.8	2.6	4.2
Above Normal (25%)	2.7	2.0	3.3	10.1	10.1	8.4	3.5	2.5	2.5	4.1	2.8	3.0
Below Normal (6%)	2.2	2.0	2.0	3.9	4.3	4.0	2.7	2.2	3.0	2.2	2.1	2.2
Dry (13%)	2.1	2.5	2.8	2.6	2.9	3.9	2.8	2.8	2.8	3.6	2.9	2.6
Critical (25%)	2.4	2.2	2.6	3.1	2.2	2.6	2.2	2.0	2.3	2.7	2.4	2.4

Alternative 4 H3 (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.1	**-1.4**	**-0.9**	**-0.5**	**-0.9**	**-1.0**	**-1.1**	**-0.7**	0.9	1.3	0.6	1.7
20%	0.9	**-1.3**	**-0.4**	0.0	**-0.8**	**-0.5**	0.8	0.9	1.4	1.2	0.7	2.0
30%	1.0	0.6	0.5	**-0.3**	**-0.4**	**-1.1**	0.2	1.0	1.4	1.0	0.6	1.3
40%	1.1	0.9	0.9	0.3	**-1.3**	**-1.7**	0.8	0.9	1.4	1.0	0.6	1.3
50%	1.0	1.0	1.0	0.3	**-0.1**	**-0.6**	0.8	1.1	1.2	0.5	0.7	1.3
60%	1.1	0.9	0.9	0.7	0.7	**-0.7**	1.0	1.1	1.2	0.3	0.8	1.3
70%	1.1	1.1	0.9	1.0	0.6	0.0	1.0	1.2	1.3	0.3	0.8	1.2
80%	1.2	1.0	1.0	0.9	0.6	0.5	1.0	1.2	1.4	0.5	0.8	1.4
90%	1.3	1.2	1.2	1.0	1.0	1.1	1.3	1.3	1.4	0.4	1.1	1.4
Long Term												
Full Simulation Period[a]	0.9	0.4	0.6	0.3	0.0	**-0.4**	0.5	0.6	0.9	0.7	0.8	1.3
Water Year Types[b]												
Wet (31%)	0.1	**-0.7**	**-0.3**	**-0.4**	**-0.7**	**-1.3**	**-0.1**	**-1.1**	**-0.4**	0.6	0.5	1.3
Above Normal (25%)	1.8	0.7	0.8	**-0.8**	**-0.3**	**-0.7**	**-0.7**	0.2	0.9	1.8	0.9	1.3
Below Normal (6%)	0.5	0.9	1.1	0.4	**-1.3**	**-0.8**	0.8	0.3	1.4	**-0.5**	0.1	0.9
Dry (13%)	1.0	0.5	0.7	0.5	0.4	**-0.5**	1.0	1.5	1.4	0.9	0.6	1.2
Critical (25%)	1.2	1.1	1.0	1.0	0.8	0.7	1.1	1.4	1.4	0.5	1.1	1.5

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-29-2-8. Sacramento River at Freeport, Monthly Averaged Daily Minimum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.6	6.3	11.9	11.1	13.5	12.7	8.5	4.3	2.5	3.2	2.4	2.6
20%	1.7	5.0	3.7	9.1	12.4	10.1	3.3	1.9	1.6	2.8	2.2	1.7
30%	1.4	2.0	2.8	6.6	7.0	8.0	2.6	1.8	1.5	2.8	2.1	1.7
40%	1.2	1.3	2.4	3.5	5.6	6.0	1.9	1.6	1.4	2.7	2.0	1.6
50%	1.2	1.2	2.1	3.5	3.7	4.7	1.7	1.4	1.4	2.7	1.8	1.3
60%	1.1	1.1	1.8	2.7	1.9	4.4	1.5	1.1	1.4	2.7	1.6	1.2
70%	1.0	1.0	1.6	1.8	1.8	2.8	1.4	0.9	1.1	2.5	1.6	1.2
80%	0.9	0.9	1.4	1.6	1.7	1.8	1.3	0.8	0.9	2.2	1.5	0.9
90%	0.7	0.6	0.9	1.2	0.9	1.1	1.0	0.5	0.8	1.9	1.2	0.9
Long Term												
Full Simulation Period[a]	1.4	2.6	3.9	4.9	5.7	6.1	3.3	2.1	1.9	2.6	1.8	1.6
Water Year Types[b]												
Wet (31%)	2.2	5.9	10.2	8.7	11.7	11.7	7.2	4.8	3.9	3.2	2.1	2.9
Above Normal (25%)	0.9	1.3	2.5	10.9	10.4	9.1	4.2	2.4	1.6	2.3	1.8	1.6
Below Normal (6%)	1.7	1.1	1.0	3.5	5.6	4.8	1.9	1.9	1.6	2.8	2.0	1.3
Dry (13%)	1.1	2.0	2.1	2.1	2.5	4.4	1.9	1.3	1.5	2.7	2.2	1.4
Critical (25%)	1.2	1.1	1.6	2.1	1.4	1.9	1.1	0.6	0.8	2.2	1.3	0.9

Alternative 4 H4 (LLT)

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.9	4.8	11.1	10.7	12.6	11.7	7.8	3.6	3.1	3.6	3.0	4.2
20%	2.8	3.8	3.4	9.2	11.7	9.6	4.5	3.5	2.8	3.4	2.9	4.0
30%	2.6	2.5	3.3	6.1	6.6	7.3	4.1	2.9	2.7	3.2	2.8	3.0
40%	2.4	2.2	3.2	3.8	4.4	4.3	3.2	2.9	2.5	3.1	2.7	2.7
50%	2.3	2.2	2.8	3.5	3.6	4.2	2.6	2.5	2.5	2.9	2.6	2.6
60%	2.3	2.0	2.5	3.1	2.6	3.7	2.5	2.3	2.4	2.7	2.6	2.5
70%	2.2	2.0	2.4	2.5	2.4	2.8	2.3	2.1	2.3	2.6	2.5	2.5
80%	2.0	1.9	2.2	2.3	2.3	2.3	2.3	1.9	2.2	2.5	2.4	2.3
90%	1.9	1.9	2.1	2.1	1.9	2.1	2.2	1.7	2.2	2.4	2.3	2.3
Long Term												
Full Simulation Period[a]	2.4	3.0	4.4	5.1	5.7	5.8	4.1	2.8	2.6	3.0	2.6	2.9
Water Year Types[b]												
Wet (31%)	2.6	5.1	9.9	8.3	11.0	10.5	7.8	3.9	3.2	3.2	2.6	4.2
Above Normal (25%)	2.7	2.0	3.3	10.4	10.2	8.4	4.7	3.1	2.4	2.9	2.6	3.0
Below Normal (6%)	2.3	2.0	2.3	3.9	4.4	4.0	2.7	2.3	2.8	2.3	2.3	2.2
Dry (13%)	2.1	2.4	2.6	2.6	2.9	4.1	2.7	2.7	2.6	3.2	2.9	2.4
Critical (25%)	2.4	2.3	2.4	2.7	2.2	2.5	2.2	2.0	2.2	2.8	2.5	2.5

Alternative 4 H4 (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.3	**-1.5**	**-0.8**	**-0.5**	**-0.9**	**-1.0**	**-0.7**	**-0.7**	0.6	0.3	0.5	1.6
20%	1.1	**-1.3**	**-0.3**	0.1	**-0.8**	**-0.5**	1.1	1.5	1.2	0.6	0.7	2.2
30%	1.2	0.6	0.6	**-0.5**	**-0.4**	**-0.6**	1.5	1.1	1.2	0.5	0.7	1.3
40%	1.2	0.9	0.8	0.3	**-1.2**	**-1.7**	1.3	1.3	1.1	0.4	0.6	1.1
50%	1.1	1.0	0.7	**0.0**	**-0.1**	**-0.5**	0.9	1.1	1.1	0.2	0.8	1.2
60%	1.2	0.9	0.8	0.4	0.7	**-0.7**	1.0	1.2	1.0	0.1	1.0	1.3
70%	1.2	1.0	0.7	0.7	0.6	0.0	1.0	1.2	1.2	0.1	0.9	1.2
80%	1.1	1.0	0.9	0.8	0.6	0.5	1.0	1.1	1.4	0.3	0.9	1.4
90%	1.3	1.2	1.2	0.9	1.0	1.1	1.3	1.3	1.4	0.5	1.1	1.4
Long Term												
Full Simulation Period[a]	1.0	0.4	0.5	0.2	0.0	**-0.3**	0.8	0.7	0.7	0.3	0.8	1.3
Water Year Types[b]												
Wet (31%)	0.4	**-0.7**	**-0.3**	**-0.4**	**-0.7**	**-1.2**	0.5	**-0.9**	**-0.6**	**-0.1**	0.5	1.3
Above Normal (25%)	1.8	0.6	0.8	**-0.5**	**-0.2**	**-0.7**	0.5	0.7	0.8	0.5	0.8	1.3
Below Normal (6%)	0.6	0.9	1.3	0.4	**-1.2**	**-0.8**	0.8	0.4	1.2	**-0.5**	0.3	0.9
Dry (13%)	1.0	0.5	0.5	0.5	0.4	**-0.2**	0.9	1.4	1.2	0.5	0.6	1.0
Critical (25%)	1.3	1.1	0.8	0.6	0.8	0.6	1.1	1.4	1.4	0.5	1.2	1.6

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-29-2-9. Sacramento River at Freeport, Monthly Averaged Daily Minimum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.6	6.3	11.9	11.1	13.5	12.7	8.5	4.3	2.5	3.2	2.4	2.6
20%	1.7	5.0	3.7	9.1	12.4	10.1	3.3	1.9	1.6	2.8	2.2	1.7
30%	1.4	2.0	2.8	6.6	7.0	8.0	2.6	1.8	1.5	2.8	2.1	1.7
40%	1.2	1.3	2.4	3.5	5.6	6.0	1.9	1.6	1.4	2.7	2.0	1.6
50%	1.2	1.2	2.1	3.5	3.7	4.7	1.7	1.4	1.4	2.7	1.8	1.3
60%	1.1	1.1	1.8	2.7	1.9	4.4	1.5	1.1	1.4	2.7	1.6	1.2
70%	1.0	1.0	1.6	1.8	1.8	2.8	1.4	0.9	1.1	2.5	1.6	1.2
80%	0.9	0.9	1.4	1.6	1.7	1.8	1.3	0.8	0.9	2.2	1.5	0.9
90%	0.7	0.6	0.9	1.2	0.9	1.1	1.0	0.5	0.8	1.9	1.2	0.9
Long Term												
Full Simulation Period[a]	1.4	2.6	3.9	4.9	5.7	6.1	3.3	2.1	1.9	2.6	1.8	1.6
Water Year Types[b]												
Wet (31%)	2.2	5.9	10.2	8.7	11.7	11.7	7.2	4.8	3.9	3.2	2.1	2.9
Above Normal (25%)	0.9	1.3	2.5	10.9	10.4	9.1	4.2	2.4	1.6	2.3	1.8	1.6
Below Normal (6%)	1.7	1.1	1.0	3.5	5.6	4.8	1.9	1.9	1.6	2.8	2.0	1.3
Dry (13%)	1.1	2.0	2.1	2.1	2.5	4.4	1.9	1.3	1.5	2.7	2.2	1.4
Critical (25%)	1.2	1.1	1.6	2.1	1.4	1.9	1.1	0.6	0.8	2.2	1.3	0.9

Alternative 5 (LLT)

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3.1	5.2	11.8	11.3	13.4	12.5	8.2	3.7	3.4	4.3	3.2	4.5
20%	2.7	3.9	3.6	9.8	12.5	10.3	3.9	2.8	3.0	4.1	3.1	4.0
30%	2.7	2.8	3.5	6.6	7.2	7.6	3.0	2.6	2.9	3.9	2.9	3.0
40%	2.4	2.4	3.3	4.1	4.7	4.9	2.8	2.3	2.8	3.8	2.7	2.5
50%	2.4	2.3	3.1	3.8	3.9	4.5	2.7	2.3	2.8	3.5	2.6	2.5
60%	2.3	2.2	2.9	3.4	2.8	3.8	2.6	2.3	2.7	3.3	2.5	2.4
70%	2.3	2.2	2.7	3.0	2.7	3.1	2.4	2.1	2.5	3.1	2.4	2.3
80%	2.2	2.1	2.3	2.7	2.5	2.5	2.4	2.0	2.3	3.0	2.3	2.3
90%	2.1	2.0	2.1	2.3	1.9	2.3	2.3	1.8	2.3	2.4	2.3	2.2
Long Term												
Full Simulation Period[a]	2.5	3.2	4.7	5.5	6.1	6.1	4.0	2.7	2.9	3.5	2.7	3.0
Water Year Types[b]												
Wet (31%)	2.6	5.7	10.4	8.9	11.7	11.2	7.7	4.0	3.7	3.8	2.9	4.5
Above Normal (25%)	2.3	2.2	3.5	10.9	10.9	9.0	3.9	2.5	2.9	3.9	2.7	3.0
Below Normal (6%)	2.3	2.3	2.7	4.1	4.7	4.4	2.7	2.3	3.1	3.3	2.3	2.2
Dry (13%)	2.3	2.6	2.9	2.8	3.1	4.3	2.8	2.7	2.7	3.6	2.9	2.3
Critical (25%)	2.7	2.3	2.5	3.1	2.3	2.7	2.4	1.9	2.3	3.0	2.4	2.4

Alternative 5 (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.5	**-1.1**	**-0.1**	0.1	**-0.1**	**-0.3**	**-0.3**	**-0.6**	0.9	1.1	0.8	2.0
20%	1.1	**-1.1**	**-0.1**	0.7	0.0	0.2	0.6	0.9	1.5	1.3	0.9	2.3
30%	1.4	0.8	0.7	**0.0**	0.2	**-0.4**	0.4	0.8	1.5	1.1	0.8	1.3
40%	1.3	1.1	0.9	0.6	**-0.9**	**-1.1**	0.9	0.7	1.4	1.1	0.6	0.9
50%	1.2	1.2	1.0	0.4	0.2	**-0.2**	1.0	0.9	1.3	0.8	0.7	1.1
60%	1.3	1.1	1.2	0.7	0.9	**-0.6**	1.1	1.1	1.4	0.7	0.9	1.1
70%	1.3	1.2	1.0	1.2	0.9	0.2	1.0	1.2	1.4	0.7	0.8	1.1
80%	1.3	1.1	1.0	1.1	0.8	0.7	1.1	1.2	1.5	0.9	0.8	1.4
90%	1.4	1.3	1.2	1.1	1.0	1.2	1.3	1.3	1.5	0.5	1.1	1.3
Long Term												
Full Simulation Period[a]	1.1	0.6	0.8	0.6	0.4	0.0	0.8	0.6	1.0	0.8	0.8	1.3
Water Year Types[b]												
Wet (31%)	0.4	**-0.2**	0.2	0.2	0.0	**-0.5**	0.4	**-0.8**	**-0.1**	0.5	0.8	1.6
Above Normal (25%)	1.4	0.9	1.0	**0.0**	0.4	**-0.2**	**-0.4**	0.1	1.2	1.5	0.8	1.4
Below Normal (6%)	0.7	1.1	1.7	0.6	**-0.9**	**-0.5**	0.8	0.3	1.5	0.6	0.3	0.8
Dry (13%)	1.1	0.6	0.8	0.7	0.6	**-0.1**	1.0	1.3	1.3	1.0	0.7	0.9
Critical (25%)	1.5	1.2	1.0	1.0	0.9	0.8	1.3	1.4	1.4	0.8	1.1	1.5

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-29-2-10. Sacramento River at Freeport, Monthly Averaged Daily Minimum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.6	6.3	11.9	11.1	13.5	12.7	8.5	4.3	2.5	3.2	2.4	2.6
20%	1.7	5.0	3.7	9.1	12.4	10.1	3.3	1.9	1.6	2.8	2.2	1.7
30%	1.4	2.0	2.8	6.6	7.0	8.0	2.6	1.8	1.5	2.8	2.1	1.7
40%	1.2	1.3	2.4	3.5	5.6	6.0	1.9	1.6	1.4	2.7	2.0	1.6
50%	1.2	1.2	2.1	3.5	3.7	4.7	1.7	1.4	1.4	2.7	1.8	1.3
60%	1.1	1.1	1.8	2.7	1.9	4.4	1.5	1.1	1.4	2.7	1.6	1.2
70%	1.0	1.0	1.6	1.8	1.8	2.8	1.4	0.9	1.1	2.5	1.6	1.2
80%	0.9	0.9	1.4	1.6	1.7	1.8	1.3	0.8	0.9	2.2	1.5	0.9
90%	0.7	0.6	0.9	1.2	0.9	1.1	1.0	0.5	0.8	1.9	1.2	0.9
Long Term												
Full Simulation Period[a]	1.4	2.6	3.9	4.9	5.7	6.1	3.3	2.1	1.9	2.6	1.8	1.6
Water Year Types[b]												
Wet (31%)	2.2	5.9	10.2	8.7	11.7	11.7	7.2	4.8	3.9	3.2	2.1	2.9
Above Normal (25%)	0.9	1.3	2.5	10.9	10.4	9.1	4.2	2.4	1.6	2.3	1.8	1.6
Below Normal (6%)	1.7	1.1	1.0	3.5	5.6	4.8	1.9	1.9	1.6	2.8	2.0	1.3
Dry (13%)	1.1	2.0	2.1	2.1	2.5	4.4	1.9	1.3	1.5	2.7	2.2	1.4
Critical (25%)	1.2	1.1	1.6	2.1	1.4	1.9	1.1	0.6	0.8	2.2	1.3	0.9

Alternative 6A,6B,6C (LLT)

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.2	4.7	11.1	10.0	12.1	11.2	7.0	3.1	2.9	2.8	2.5	3.2
20%	1.9	3.5	3.3	8.7	11.2	9.1	3.8	2.6	2.7	2.6	2.3	2.7
30%	1.9	2.4	3.2	5.8	6.2	6.6	2.8	2.6	2.6	2.3	2.2	2.2
40%	1.9	2.0	2.9	3.5	4.2	4.1	2.5	2.5	2.4	2.2	2.2	2.1
50%	1.9	1.9	2.7	3.3	3.4	3.9	2.4	2.2	2.4	2.2	2.2	2.1
60%	1.8	1.8	2.3	2.8	3.1	3.4	2.4	2.1	2.3	2.2	2.1	2.1
70%	1.8	1.7	2.1	2.5	2.3	2.7	2.3	2.1	2.3	2.1	2.1	2.0
80%	1.8	1.7	2.0	2.1	2.2	2.2	2.2	1.9	2.2	2.1	2.1	2.0
90%	1.7	1.7	1.9	2.0	1.8	1.9	2.2	1.7	2.2	2.1	2.0	1.9
Long Term												
Full Simulation Period[a]	1.9	2.7	4.3	4.8	5.5	5.4	3.6	2.5	2.5	2.3	2.2	2.3
Water Year Types[b]												
Wet (31%)	2.1	4.8	9.7	7.9	10.6	10.1	6.9	3.5	3.0	2.8	2.4	3.1
Above Normal (25%)	1.8	1.7	3.0	9.8	9.6	7.9	3.3	2.5	2.4	2.4	2.1	2.1
Below Normal (6%)	1.9	1.7	2.0	3.7	4.2	3.7	2.5	2.3	2.9	2.1	2.0	1.8
Dry (13%)	1.8	2.3	2.5	2.5	2.7	3.8	2.7	2.4	2.5	2.1	2.1	2.0
Critical (25%)	1.9	2.0	2.2	2.4	2.3	2.3	2.2	1.9	2.2	2.2	2.2	2.1

Alternative 6A,6B,6C (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-0.4	-1.6	-0.8	-1.1	-1.4	-1.5	-1.5	-1.2	0.4	-0.4	0.0	0.6
20%	0.3	-1.5	-0.4	-0.4	-1.2	-0.9	0.5	0.7	1.1	-0.2	0.1	0.9
30%	0.6	0.5	0.4	-0.8	-0.8	-1.4	0.1	0.8	1.1	-0.5	0.1	0.5
40%	0.7	0.6	0.5	0.0	-1.3	-2.0	0.6	0.9	1.0	-0.5	0.1	0.5
50%	0.7	0.7	0.6	-0.1	-0.3	-0.8	0.7	0.9	1.0	-0.5	0.3	0.7
60%	0.7	0.7	0.5	0.1	1.2	-1.0	0.9	1.0	1.0	-0.5	0.5	0.8
70%	0.8	0.8	0.5	0.7	0.5	-0.1	0.9	1.1	1.1	-0.3	0.5	0.8
80%	0.9	0.8	0.6	0.5	0.5	0.4	0.9	1.1	1.4	0.0	0.6	1.0
90%	1.1	1.0	1.0	0.8	0.9	0.8	1.2	1.3	1.4	0.2	0.9	1.0
Long Term												
Full Simulation Period[a]	0.5	0.2	0.3	-0.1	-0.2	-0.7	0.4	0.4	0.6	-0.3	0.4	0.7
Water Year Types[b]												
Wet (31%)	-0.2	-1.1	-0.4	-0.8	-1.2	-1.7	-0.3	-1.3	-0.9	-0.5	0.3	0.3
Above Normal (25%)	0.9	0.4	0.5	-1.1	-0.8	-1.2	-0.9	0.2	0.7	0.1	0.3	0.4
Below Normal (6%)	0.3	0.6	1.0	0.2	-1.3	-1.2	0.6	0.3	1.3	-0.6	0.0	0.5
Dry (13%)	0.7	0.3	0.4	0.4	0.1	-0.6	0.8	1.1	1.0	-0.6	-0.1	0.6
Critical (25%)	0.7	0.9	0.6	0.4	0.8	0.4	1.0	1.3	1.3	-0.1	0.9	1.1

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-29-2-11. Sacramento River at Freeport, Monthly Averaged Daily Minimum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.6	6.3	11.9	11.1	13.5	12.7	8.5	4.3	2.5	3.2	2.4	2.6
20%	1.7	5.0	3.7	9.1	12.4	10.1	3.3	1.9	1.6	2.8	2.2	1.7
30%	1.4	2.0	2.8	6.6	7.0	8.0	2.6	1.8	1.5	2.8	2.1	1.7
40%	1.2	1.3	2.4	3.5	5.6	6.0	1.9	1.6	1.4	2.7	2.0	1.6
50%	1.2	1.2	2.1	3.5	3.7	4.7	1.7	1.4	1.4	2.7	1.8	1.3
60%	1.1	1.1	1.8	2.7	1.9	4.4	1.5	1.1	1.4	2.7	1.6	1.2
70%	1.0	1.0	1.6	1.8	1.8	2.8	1.4	0.9	1.1	2.5	1.6	1.2
80%	0.9	0.9	1.4	1.6	1.7	1.8	1.3	0.8	0.9	2.2	1.5	0.9
90%	0.7	0.6	0.9	1.2	0.9	1.1	1.0	0.5	0.8	1.9	1.2	0.9
Long Term												
Full Simulation Period[a]	1.4	2.6	3.9	4.9	5.7	6.1	3.3	2.1	1.9	2.6	1.8	1.6
Water Year Types[b]												
Wet (31%)	2.2	5.9	10.2	8.7	11.7	11.7	7.2	4.8	3.9	3.2	2.1	2.9
Above Normal (25%)	0.9	1.3	2.5	10.9	10.4	9.1	4.2	2.4	1.6	2.3	1.8	1.6
Below Normal (6%)	1.7	1.1	1.0	3.5	5.6	4.8	1.9	1.9	1.6	2.8	2.0	1.3
Dry (13%)	1.1	2.0	2.1	2.1	2.5	4.4	1.9	1.3	1.5	2.7	2.2	1.4
Critical (25%)	1.2	1.1	1.6	2.1	1.4	1.9	1.1	0.6	0.8	2.2	1.3	0.9

Alternative 7 (LLT)

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.5	4.9	11.4	10.4	12.6	11.7	7.6	3.4	2.9	4.3	3.1	4.2
20%	2.3	3.7	3.4	9.2	11.6	9.4	3.9	2.6	2.7	3.8	3.0	3.8
30%	2.2	2.5	3.3	6.0	6.5	6.7	2.9	2.5	2.6	3.7	2.9	2.9
40%	2.1	2.1	3.0	3.8	4.2	4.3	2.7	2.4	2.6	3.5	2.8	2.6
50%	2.1	2.1	2.8	3.6	3.7	4.1	2.5	2.2	2.6	3.4	2.8	2.4
60%	2.1	2.0	2.4	3.1	3.4	3.7	2.5	2.1	2.5	3.3	2.7	2.3
70%	2.0	2.0	2.2	2.6	2.6	3.0	2.4	2.1	2.5	3.1	2.7	2.3
80%	2.0	1.9	2.1	2.2	2.4	2.4	2.3	2.0	2.5	2.8	2.7	2.3
90%	1.9	1.8	2.0	2.2	1.9	2.0	2.2	1.9	2.4	2.7	2.6	2.3
Long Term												
Full Simulation Period[a]	2.1	2.9	4.4	5.1	5.7	5.7	3.8	2.6	2.7	3.4	2.8	2.9
Water Year Types[b]												
Wet (31%)	2.4	5.2	10.1	8.2	11.0	10.4	7.2	3.7	3.4	3.7	2.9	4.1
Above Normal (25%)	1.9	2.1	3.1	10.3	10.0	8.1	3.6	2.5	2.6	3.6	2.7	2.9
Below Normal (6%)	2.1	2.0	2.1	3.9	4.2	4.2	2.8	2.3	2.7	3.5	2.8	2.6
Dry (13%)	2.1	2.4	2.6	2.7	2.9	4.0	2.8	2.4	2.6	3.8	3.0	2.3
Critical (25%)	2.1	2.1	2.3	2.6	2.4	2.5	2.2	2.0	2.4	2.7	2.6	2.4

Alternative 7 (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-0.1	-1.4	-0.4	-0.7	-0.9	-1.0	-0.9	-0.9	0.4	1.0	0.6	1.6
20%	0.7	-1.3	-0.3	0.1	-0.9	-0.7	0.6	0.7	1.2	1.1	0.8	2.0
30%	0.8	0.6	0.6	-0.6	-0.5	-1.3	0.2	0.7	1.2	0.9	0.7	1.2
40%	0.9	0.8	0.6	0.3	-1.4	-1.7	0.9	0.8	1.2	0.8	0.8	1.0
50%	0.9	0.9	0.7	0.1	-0.1	-0.6	0.8	0.8	1.2	0.7	0.9	1.1
60%	1.0	0.9	0.7	0.4	1.4	-0.8	1.0	1.0	1.2	0.7	1.1	1.1
70%	1.0	1.0	0.6	0.8	0.8	0.2	1.0	1.1	1.4	0.6	1.2	1.1
80%	1.1	0.9	0.7	0.6	0.6	0.6	1.0	1.2	1.6	0.6	1.2	1.4
90%	1.2	1.1	1.1	1.0	1.0	1.0	1.3	1.4	1.6	0.8	1.5	1.4
Long Term												
Full Simulation Period[a]	0.7	0.4	0.5	0.1	0.1	-0.4	0.5	0.5	0.8	0.8	1.0	1.2
Water Year Types[b]												
Wet (31%)	0.1	-0.7	-0.1	-0.5	-0.8	-1.3	0.0	-1.1	-0.5	0.5	0.8	1.3
Above Normal (25%)	1.0	0.7	0.6	-0.6	-0.4	-1.1	-0.6	0.2	0.9	1.2	0.9	1.2
Below Normal (6%)	0.5	0.9	1.1	0.4	-1.4	-0.7	0.9	0.3	1.2	0.7	0.8	1.2
Dry (13%)	0.9	0.5	0.5	0.6	0.4	-0.4	0.9	1.1	1.1	1.1	0.7	0.9
Critical (25%)	1.0	1.0	0.8	0.5	1.0	0.6	1.1	1.5	1.6	0.5	1.3	1.4

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-29-2-12. Sacramento River at Freeport, Monthly Averaged Daily Minimum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.6	6.3	11.9	11.1	13.5	12.7	8.5	4.3	2.5	3.2	2.4	2.6
20%	1.7	5.0	3.7	9.1	12.4	10.1	3.3	1.9	1.6	2.8	2.2	1.7
30%	1.4	2.0	2.8	6.6	7.0	8.0	2.6	1.8	1.5	2.8	2.1	1.7
40%	1.2	1.3	2.4	3.5	5.6	6.0	1.9	1.6	1.4	2.7	2.0	1.6
50%	1.2	1.2	2.1	3.5	3.7	4.7	1.7	1.4	1.4	2.7	1.8	1.3
60%	1.1	1.1	1.8	2.7	1.9	4.4	1.5	1.1	1.4	2.7	1.6	1.2
70%	1.0	1.0	1.6	1.8	1.8	2.8	1.4	0.9	1.1	2.5	1.6	1.2
80%	0.9	0.9	1.4	1.6	1.7	1.8	1.3	0.8	0.9	2.2	1.5	0.9
90%	0.7	0.6	0.9	1.2	0.9	1.1	1.0	0.5	0.8	1.9	1.2	0.9
Long Term												
Full Simulation Period[a]	1.4	2.6	3.9	4.9	5.7	6.1	3.3	2.1	1.9	2.6	1.8	1.6
Water Year Types[b]												
Wet (31%)	2.2	5.9	10.2	8.7	11.7	11.7	7.2	4.8	3.9	3.2	2.1	2.9
Above Normal (25%)	0.9	1.3	2.5	10.9	10.4	9.1	4.2	2.4	1.6	2.3	1.8	1.6
Below Normal (6%)	1.7	1.1	1.0	3.5	5.6	4.8	1.9	1.9	1.6	2.8	2.0	1.3
Dry (13%)	1.1	2.0	2.1	2.1	2.5	4.4	1.9	1.3	1.5	2.7	2.2	1.4
Critical (25%)	1.2	1.1	1.6	2.1	1.4	1.9	1.1	0.6	0.8	2.2	1.3	0.9

Alternative 8 (LLT)

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.5	5.3	11.5	10.5	12.5	11.7	8.1	4.0	2.8	3.1	2.8	3.9
20%	2.2	3.9	3.5	9.2	11.5	9.3	4.6	3.2	2.6	2.9	2.7	3.7
30%	2.2	2.6	3.3	6.4	7.0	7.5	3.3	2.9	2.6	2.8	2.7	2.8
40%	2.1	2.2	3.0	4.2	4.5	4.7	3.2	2.5	2.6	2.7	2.7	2.4
50%	2.1	2.1	2.8	3.9	4.1	4.6	3.2	2.5	2.5	2.7	2.7	2.3
60%	2.0	2.1	2.4	3.4	3.6	4.1	2.9	2.4	2.5	2.7	2.6	2.3
70%	2.0	2.0	2.2	2.7	2.8	3.4	2.7	2.4	2.4	2.6	2.6	2.3
80%	1.9	1.9	2.1	2.3	2.4	2.8	2.6	2.3	2.4	2.5	2.5	2.2
90%	1.9	1.8	2.0	2.2	2.0	2.5	2.4	2.0	2.3	2.5	2.5	2.2
Long Term												
Full Simulation Period[a]	2.1	3.0	4.4	5.2	5.9	6.0	4.2	3.0	2.7	2.7	2.7	2.8
Water Year Types[b]												
Wet (31%)	2.3	5.3	10.1	8.4	10.9	10.4	7.5	4.4	3.5	3.1	2.8	4.0
Above Normal (25%)	2.0	2.0	3.1	10.5	10.1	8.3	4.2	2.9	2.5	2.6	2.7	2.8
Below Normal (6%)	2.1	2.0	2.1	4.2	5.3	4.6	3.2	3.2	2.6	2.5	2.6	2.3
Dry (13%)	2.0	2.5	2.6	2.8	3.3	4.7	3.4	2.6	2.5	2.7	2.6	2.3
Critical (25%)	2.1	2.2	2.3	2.7	2.5	2.8	2.4	2.2	2.4	2.6	2.5	2.3

Alternative 8 (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	**-0.2**	**-1.0**	**-0.4**	**-0.6**	**-1.0**	**-1.0**	**-0.4**	**-0.3**	0.3	**-0.1**	0.3	1.4
20%	0.6	**-1.2**	**-0.3**	0.1	**-1.0**	**-0.8**	1.2	1.2	1.0	0.1	0.5	2.0
30%	0.8	0.6	0.5	**-0.3**	0.0	**-0.5**	0.7	1.1	1.1	0.0	0.6	1.1
40%	0.9	0.9	0.6	0.6	**-1.1**	**-1.3**	1.4	0.9	1.1	0.0	0.7	0.8
50%	0.9	1.0	0.8	0.4	0.3	**-0.1**	1.4	1.1	1.1	0.0	0.8	1.0
60%	0.9	0.9	0.7	0.7	1.6	**-0.3**	1.5	1.3	1.1	**0.0**	1.0	1.1
70%	1.0	1.0	0.6	0.9	1.0	0.6	1.3	1.5	1.3	0.1	1.0	1.0
80%	1.1	1.0	0.7	0.7	0.7	1.0	1.3	1.5	1.6	0.4	1.0	1.3
90%	1.2	1.2	1.1	1.0	1.1	1.4	1.4	1.5	1.5	0.6	1.3	1.3
Long Term												
Full Simulation Period[a]	0.7	0.5	0.5	0.3	0.3	**-0.1**	0.9	0.9	0.8	0.1	0.8	1.1
Water Year Types[b]												
Wet (31%)	0.1	**-0.6**	**-0.1**	**-0.3**	**-0.8**	**-1.3**	0.2	**-0.4**	**-0.4**	**-0.2**	0.7	1.1
Above Normal (25%)	1.1	0.6	0.6	**-0.4**	**-0.3**	**-0.9**	**-0.1**	0.5	0.9	0.3	0.9	1.1
Below Normal (6%)	0.5	0.9	1.1	0.7	**-0.3**	**-0.2**	1.4	1.2	1.0	**-0.3**	0.5	0.9
Dry (13%)	0.9	0.5	0.5	0.7	0.7	0.4	1.5	1.3	1.0	0.0	0.4	0.9
Critical (25%)	0.9	1.1	0.7	0.7	1.1	0.9	1.3	1.7	1.6	0.4	1.2	1.4

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-29-2-13. Sacramento River at Freeport, Monthly Averaged Daily Minimum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.6	6.3	11.9	11.1	13.5	12.7	8.5	4.3	2.5	3.2	2.4	2.6
20%	1.7	5.0	3.7	9.1	12.4	10.1	3.3	1.9	1.6	2.8	2.2	1.7
30%	1.4	2.0	2.8	6.6	7.0	8.0	2.6	1.8	1.5	2.8	2.1	1.7
40%	1.2	1.3	2.4	3.5	5.6	6.0	1.9	1.6	1.4	2.7	2.0	1.6
50%	1.2	1.2	2.1	3.5	3.7	4.7	1.7	1.4	1.4	2.7	1.8	1.3
60%	1.1	1.1	1.8	2.7	1.9	4.4	1.5	1.1	1.4	2.7	1.6	1.2
70%	1.0	1.0	1.6	1.8	1.8	2.8	1.4	0.9	1.1	2.5	1.6	1.2
80%	0.9	0.9	1.4	1.6	1.7	1.8	1.3	0.8	0.9	2.2	1.5	0.9
90%	0.7	0.6	0.9	1.2	0.9	1.1	1.0	0.5	0.8	1.9	1.2	0.9
Long Term												
Full Simulation Period[a]	1.4	2.6	3.9	4.9	5.7	6.1	3.3	2.1	1.9	2.6	1.8	1.6
Water Year Types[b]												
Wet (31%)	2.2	5.9	10.2	8.7	11.7	11.7	7.2	4.8	3.9	3.2	2.1	2.9
Above Normal (25%)	0.9	1.3	2.5	10.9	10.4	9.1	4.2	2.4	1.6	2.3	1.8	1.6
Below Normal (6%)	1.7	1.1	1.0	3.5	5.6	4.8	1.9	1.9	1.6	2.8	2.0	1.3
Dry (13%)	1.1	2.0	2.1	2.1	2.5	4.4	1.9	1.3	1.5	2.7	2.2	1.4
Critical (25%)	1.2	1.1	1.6	2.1	1.4	1.9	1.1	0.6	0.8	2.2	1.3	0.9

Alternative 9 (LLT)

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3.1	5.6	12.2	11.9	14.0	13.1	8.6	4.1	3.3	4.2	3.4	5.5
20%	3.0	4.3	3.8	10.5	13.0	10.9	4.1	3.3	3.0	4.0	3.4	4.7
30%	2.8	3.4	3.6	7.0	7.8	8.0	3.3	3.0	2.9	3.9	3.4	3.8
40%	2.6	2.8	3.3	4.3	5.2	5.4	2.9	2.9	2.8	3.7	3.4	2.8
50%	2.4	2.5	3.1	4.1	4.2	4.9	2.8	2.7	2.8	3.6	3.2	2.5
60%	2.4	2.3	2.9	3.5	3.0	4.1	2.6	2.5	2.8	3.4	2.9	2.4
70%	2.3	2.2	2.8	2.9	2.7	3.2	2.6	2.4	2.6	3.3	2.8	2.3
80%	2.2	2.2	2.6	2.5	2.6	2.6	2.5	2.1	2.4	2.9	2.6	2.3
90%	2.0	2.0	2.4	2.4	2.2	2.4	2.4	2.0	2.4	2.7	2.4	2.3
Long Term												
Full Simulation Period[a]	2.6	3.4	4.9	5.8	6.4	6.5	4.2	3.1	2.9	3.6	3.0	3.3
Water Year Types[b]												
Wet (31%)	3.0	5.9	10.8	9.4	12.3	11.8	8.0	4.4	3.8	3.8	3.4	5.3
Above Normal (25%)	2.1	2.4	3.4	11.6	11.5	9.5	4.3	2.8	2.8	4.1	3.4	3.8
Below Normal (6%)	2.8	3.1	2.8	4.3	5.2	4.9	2.9	2.4	3.0	3.4	2.9	2.8
Dry (13%)	2.5	2.8	3.0	3.0	3.3	4.6	3.0	3.1	2.8	3.7	3.2	2.4
Critical (25%)	2.4	2.5	2.7	3.0	2.5	2.9	2.4	2.2	2.4	3.1	2.5	2.3

Alternative 9 (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.4	**-0.7**	0.3	0.8	0.5	0.3	0.1	**-0.2**	0.9	0.9	1.0	2.9
20%	1.4	**-0.7**	0.0	1.3	0.6	0.8	0.8	1.3	1.4	1.2	1.2	2.9
30%	1.4	1.4	0.8	0.4	0.8	0.0	0.7	1.2	1.4	1.2	1.3	2.1
40%	1.5	1.4	0.9	0.7	**-0.4**	**-0.6**	1.0	1.3	1.4	1.0	1.3	1.2
50%	1.3	1.3	1.1	0.6	0.4	0.2	1.1	1.3	1.4	0.9	1.4	1.2
60%	1.3	1.2	1.2	0.8	1.1	**-0.3**	1.2	1.3	1.4	0.7	1.3	1.2
70%	1.3	1.3	1.2	1.0	0.9	0.4	1.2	1.5	1.5	0.9	1.2	1.1
80%	1.4	1.3	1.2	0.9	0.9	0.8	1.3	1.4	1.5	0.7	1.0	1.4
90%	1.4	1.4	1.5	1.2	1.3	1.3	1.4	1.6	1.6	0.8	1.2	1.4
Long Term												
Full Simulation Period[a]	1.1	0.9	1.0	0.8	0.8	0.4	1.0	0.9	1.0	0.9	1.2	1.7
Water Year Types[b]												
Wet (31%)	0.8	**0.0**	0.7	0.7	0.6	0.0	0.7	**-0.4**	**-0.1**	0.6	1.3	2.5
Above Normal (25%)	1.2	1.1	0.9	0.6	1.0	0.4	0.1	0.5	1.1	1.8	1.6	2.1
Below Normal (6%)	1.1	1.9	1.8	0.7	**-0.4**	0.0	1.0	0.5	1.4	0.6	0.9	1.4
Dry (13%)	1.3	0.8	0.9	0.9	0.8	0.2	1.1	1.8	1.4	1.0	0.9	1.0
Critical (25%)	1.2	1.4	1.1	0.9	1.0	1.0	1.3	1.6	1.5	0.9	1.2	1.4

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-29-2-14. Sacramento River at Freeport, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.8	5.4	12.4	12.4	14.1	13.1	9.0	3.9	3.0	4.5	3.3	5.1
20%	2.7	4.2	3.8	10.8	13.3	11.3	4.3	2.9	2.8	4.5	3.2	4.3
30%	2.6	3.2	3.7	7.6	8.4	8.8	3.3	2.7	2.6	4.2	3.2	3.6
40%	2.5	2.8	3.2	4.5	5.5	6.3	2.8	2.4	2.5	4.1	3.1	2.5
50%	2.4	2.5	3.1	4.3	4.4	5.3	2.6	2.2	2.4	3.8	2.9	2.3
60%	2.4	2.1	2.7	3.6	3.1	4.4	2.5	2.1	2.3	3.6	2.8	2.2
70%	2.3	2.0	2.6	3.2	2.6	3.3	2.4	2.0	2.2	3.4	2.4	2.1
80%	2.1	1.9	2.0	2.7	2.4	2.5	2.3	1.8	2.1	3.0	2.2	2.0
90%	1.9	1.8	1.9	2.3	1.9	2.2	2.1	1.6	2.0	2.7	2.1	2.0
Long Term												
Full Simulation Period[a]	2.4	3.3	4.8	6.0	6.5	6.7	4.2	2.7	2.6	3.7	2.8	3.0
Water Year Types[b]												
Wet (31%)	2.8	5.8	10.9	9.8	12.5	12.0	8.0	4.2	3.5	4.0	3.2	5.0
Above Normal (25%)	2.1	2.2	3.5	11.8	11.8	10.1	4.6	2.7	2.6	4.3	3.2	3.6
Below Normal (6%)	2.7	2.8	2.6	4.5	5.5	5.1	2.8	2.2	2.8	3.3	2.8	2.5
Dry (13%)	2.3	2.8	2.9	3.0	3.4	4.9	2.8	2.5	2.4	4.0	3.0	2.2
Critical (25%)	2.3	2.2	2.4	3.2	2.3	2.8	2.3	1.8	2.0	3.1	2.2	2.0

Alternative 1A,1B,1C (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3.9	4.2	10.7	10.2	12.3	11.3	7.0	3.3	3.4	4.0	2.8	2.6
20%	3.5	3.8	3.4	8.6	11.2	9.2	3.9	2.9	3.0	3.9	2.8	2.6
30%	2.9	2.8	3.2	6.2	6.2	6.8	3.0	2.7	2.9	3.6	2.7	2.5
40%	2.7	2.2	3.1	3.7	4.0	4.0	2.6	2.5	2.8	3.2	2.5	2.4
50%	2.3	2.1	3.0	3.4	3.3	3.8	2.6	2.4	2.6	3.1	2.4	2.3
60%	2.3	1.9	2.9	3.0	2.4	3.4	2.6	2.4	2.6	3.0	2.3	2.3
70%	2.2	1.8	2.4	2.6	2.4	2.8	2.4	2.3	2.5	2.8	2.3	2.1
80%	2.1	1.8	2.3	2.4	2.3	2.4	2.3	2.0	2.3	2.6	2.3	2.1
90%	2.0	1.7	2.1	2.1	2.3	2.0	2.3	1.8	2.2	2.4	2.3	2.1
Long Term												
Full Simulation Period[a]	2.8	2.8	4.4	4.9	5.5	5.5	3.8	2.7	2.8	3.2	2.6	2.4
Water Year Types[b]												
Wet (31%)	2.5	5.2	9.6	7.9	10.6	10.2	7.0	3.6	3.4	3.6	2.4	2.4
Above Normal (25%)	2.8	1.8	3.2	9.6	9.8	8.1	3.4	2.5	2.8	3.3	2.3	2.0
Below Normal (6%)	4.2	1.8	2.4	3.7	4.0	3.6	2.5	2.3	2.8	2.4	2.1	2.1
Dry (13%)	2.2	2.2	2.8	3.0	2.7	3.9	2.8	2.7	2.8	3.6	3.1	2.4
Critical (25%)	3.2	2.1	2.4	2.5	2.3	2.4	2.3	2.0	2.3	2.8	2.4	2.4

Alternative 1A,1B,1C (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.1	-1.3	-1.7	-2.2	-1.8	-1.8	-2.0	-0.6	0.4	-0.5	-0.5	-2.5
20%	0.8	-0.5	-0.5	-2.2	-2.1	-2.1	-0.5	-0.1	0.3	-0.6	-0.4	-1.8
30%	0.4	-0.3	-0.5	-1.4	-2.2	-1.9	-0.3	0.0	0.3	-0.6	-0.5	-1.1
40%	0.3	-0.5	-0.1	-0.8	-1.5	-2.3	-0.1	0.1	0.3	-0.8	-0.6	-0.1
50%	-0.1	-0.4	-0.2	-0.9	-1.0	-1.4	0.1	0.2	0.2	-0.7	-0.5	0.0
60%	-0.1	-0.1	0.1	-0.6	-0.6	-1.0	0.1	0.2	0.3	-0.6	-0.4	0.1
70%	-0.1	-0.2	-0.2	-0.5	-0.2	-0.5	0.0	0.3	0.3	-0.6	-0.1	0.0
80%	0.0	-0.1	0.2	-0.3	-0.2	-0.2	0.0	0.2	0.3	-0.4	0.1	0.1
90%	0.1	0.0	0.1	-0.3	0.3	-0.2	0.2	0.1	0.3	-0.3	0.1	0.1
Long Term												
Full Simulation Period[a]	0.3	-0.4	-0.4	-1.0	-1.0	-1.2	-0.4	0.0	0.2	-0.5	-0.2	-0.7
Water Year Types[b]												
Wet (31%)	-0.4	-0.5	-1.3	-1.9	-1.9	-1.9	-1.0	-0.6	-0.1	-0.4	-0.7	-2.5
Above Normal (25%)	0.7	-0.3	-0.3	-2.2	-1.9	-2.1	-1.2	-0.2	0.2	-0.9	-0.8	-1.6
Below Normal (6%)	1.4	-1.0	-0.2	-0.8	-1.5	-1.5	-0.3	0.1	0.0	-0.9	-0.7	-0.4
Dry (13%)	-0.1	-0.6	-0.1	0.0	-0.7	-0.9	0.0	0.2	0.4	-0.3	0.0	0.2
Critical (25%)	0.9	-0.1	0.0	-0.8	0.0	-0.4	0.0	0.2	0.3	-0.3	0.3	0.4

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-29-2-15. Sacramento River at Freeport, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.8	5.4	12.4	12.4	14.1	13.1	9.0	3.9	3.0	4.5	3.3	5.1
20%	2.7	4.2	3.8	10.8	13.3	11.3	4.3	2.9	2.8	4.5	3.2	4.3
30%	2.6	3.2	3.7	7.6	8.4	8.8	3.3	2.7	2.6	4.2	3.2	3.6
40%	2.5	2.8	3.2	4.5	5.5	6.3	2.8	2.4	2.5	4.1	3.1	2.5
50%	2.4	2.5	3.1	4.3	4.4	5.3	2.6	2.2	2.4	3.8	2.9	2.3
60%	2.4	2.1	2.7	3.6	3.1	4.4	2.5	2.1	2.3	3.6	2.8	2.2
70%	2.3	2.0	2.6	3.2	2.6	3.3	2.4	2.0	2.2	3.4	2.4	2.1
80%	2.1	1.9	2.0	2.7	2.4	2.5	2.3	1.8	2.1	3.0	2.2	2.0
90%	1.9	1.8	1.9	2.3	1.9	2.2	2.1	1.6	2.0	2.7	2.1	2.0
Long Term												
Full Simulation Period[a]	2.4	3.3	4.8	6.0	6.5	6.7	4.2	2.7	2.6	3.7	2.8	3.0
Water Year Types[b]												
Wet (31%)	2.8	5.8	10.9	9.8	12.5	12.0	8.0	4.2	3.5	4.0	3.2	5.0
Above Normal (25%)	2.1	2.2	3.5	11.8	11.8	10.1	4.6	2.7	2.6	4.3	3.2	3.6
Below Normal (6%)	2.7	2.8	2.6	4.5	5.5	5.1	2.8	2.2	2.8	3.3	2.8	2.5
Dry (13%)	2.3	2.8	2.9	3.0	3.4	4.9	2.8	2.5	2.4	4.0	3.0	2.2
Critical (25%)	2.3	2.2	2.4	3.2	2.3	2.8	2.3	1.8	2.0	3.1	2.2	2.0

Alternative 2A,2B,2C (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.8	4.1	10.6	10.3	12.3	11.4	7.2	3.4	3.4	4.2	3.0	4.0
20%	2.7	3.6	3.3	8.8	11.4	9.3	4.0	2.9	3.0	3.9	2.7	3.7
30%	2.5	2.5	3.2	5.9	6.2	6.6	2.8	2.7	2.9	3.7	2.6	2.9
40%	2.3	2.3	3.1	3.6	4.0	4.2	2.7	2.6	2.9	3.6	2.6	2.7
50%	2.2	2.2	2.8	3.4	3.4	4.0	2.5	2.5	2.6	3.4	2.5	2.5
60%	2.1	2.0	2.6	3.2	2.5	3.5	2.4	2.3	2.5	3.1	2.5	2.4
70%	2.0	1.9	2.5	2.7	2.4	2.7	2.3	2.1	2.4	2.9	2.4	2.4
80%	1.9	1.9	2.4	2.5	2.3	2.3	2.3	2.0	2.3	2.6	2.3	2.3
90%	1.9	1.8	2.3	2.2	1.8	2.1	2.2	1.8	2.3	2.4	2.3	2.3
Long Term												
Full Simulation Period[a]	2.3	2.8	4.4	5.0	5.5	5.5	3.7	2.7	2.8	3.4	2.6	2.9
Water Year Types[b]												
Wet (31%)	2.4	4.7	9.5	8.0	10.7	10.2	7.0	3.6	3.4	3.7	2.5	4.0
Above Normal (25%)	2.6	1.9	3.2	9.7	9.7	8.2	3.4	2.6	2.5	4.1	2.7	2.7
Below Normal (6%)	2.1	1.9	2.4	3.7	4.0	3.8	2.6	2.3	2.9	2.4	2.2	2.2
Dry (13%)	2.0	2.4	2.7	2.6	2.8	3.7	2.8	2.8	2.9	3.5	2.9	2.5
Critical (25%)	2.4	2.2	2.5	2.9	2.1	2.5	2.2	2.0	2.3	2.8	2.4	2.4

Alternative 2A,2B,2C (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.0	-1.3	-1.9	-2.1	-1.8	-1.8	-1.8	-0.5	0.3	-0.3	-0.4	-1.1
20%	0.0	-0.6	-0.5	-2.1	-1.9	-2.0	-0.3	0.0	0.3	-0.5	-0.5	-0.6
30%	-0.1	-0.7	-0.5	-1.7	-2.2	-2.2	-0.5	0.1	0.3	-0.5	-0.5	-0.7
40%	-0.1	-0.5	-0.1	-0.9	-1.5	-2.1	-0.1	0.1	0.4	-0.4	-0.5	0.2
50%	-0.2	-0.3	-0.3	-0.9	-1.0	-1.3	-0.1	0.3	0.2	-0.4	-0.4	0.2
60%	-0.2	-0.1	-0.1	-0.3	-0.6	-0.9	-0.1	0.1	0.2	-0.4	-0.3	0.2
70%	-0.3	-0.1	-0.1	-0.4	-0.2	-0.6	-0.1	0.1	0.2	-0.5	0.0	0.3
80%	-0.2	0.0	0.3	-0.3	-0.2	-0.3	0.0	0.2	0.3	-0.3	0.1	0.3
90%	0.0	0.1	0.3	-0.1	-0.1	-0.1	0.1	0.1	0.3	-0.3	0.2	0.3
Long Term												
Full Simulation Period[a]	-0.1	-0.4	-0.4	-1.0	-1.0	-1.2	-0.4	0.0	0.2	-0.3	-0.2	-0.2
Water Year Types[b]												
Wet (31%)	-0.5	-1.1	-1.4	-1.8	-1.8	-1.8	-1.0	-0.6	-0.1	-0.3	-0.6	-1.0
Above Normal (25%)	0.5	-0.3	-0.3	-2.0	-2.0	-1.9	-1.2	-0.1	0.0	-0.2	-0.5	-0.9
Below Normal (6%)	-0.6	-0.9	-0.3	-0.8	-1.5	-1.3	-0.2	0.0	0.0	-0.9	-0.6	-0.3
Dry (13%)	-0.3	-0.4	-0.1	-0.4	-0.7	-1.1	0.0	0.3	0.4	-0.4	-0.1	0.3
Critical (25%)	0.1	0.0	0.1	-0.3	-0.2	-0.4	0.0	0.2	0.3	-0.2	0.3	0.4

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-29-2-16. Sacramento River at Freeport, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.8	5.4	12.4	12.4	14.1	13.1	9.0	3.9	3.0	4.5	3.3	5.1
20%	2.7	4.2	3.8	10.8	13.3	11.3	4.3	2.9	2.8	4.5	3.2	4.3
30%	2.6	3.2	3.7	7.6	8.4	8.8	3.3	2.7	2.6	4.2	3.2	3.6
40%	2.5	2.8	3.2	4.5	5.5	6.3	2.8	2.4	2.5	4.1	3.1	2.5
50%	2.4	2.5	3.1	4.3	4.4	5.3	2.6	2.2	2.4	3.8	2.9	2.3
60%	2.4	2.1	2.7	3.6	3.1	4.4	2.5	2.1	2.3	3.6	2.8	2.2
70%	2.3	2.0	2.6	3.2	2.6	3.3	2.4	2.0	2.2	3.4	2.4	2.1
80%	2.1	1.9	2.0	2.7	2.4	2.5	2.3	1.8	2.1	3.0	2.2	2.0
90%	1.9	1.8	1.9	2.3	1.9	2.2	2.1	1.6	2.0	2.7	2.1	2.0
Long Term												
Full Simulation Period[a]	2.4	3.3	4.8	6.0	6.5	6.7	4.2	2.7	2.6	3.7	2.8	3.0
Water Year Types[b]												
Wet (31%)	2.8	5.8	10.9	9.8	12.5	12.0	8.0	4.2	3.5	4.0	3.2	5.0
Above Normal (25%)	2.1	2.2	3.5	11.8	11.8	10.1	4.6	2.7	2.6	4.3	3.2	3.6
Below Normal (6%)	2.7	2.8	2.6	4.5	5.5	5.1	2.8	2.2	2.8	3.3	2.8	2.5
Dry (13%)	2.3	2.8	2.9	3.0	3.4	4.9	2.8	2.5	2.4	4.0	3.0	2.2
Critical (25%)	2.3	2.2	2.4	3.2	2.3	2.8	2.3	1.8	2.0	3.1	2.2	2.0

Alternative 3 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3.9	5.0	11.6	10.8	12.9	12.0	7.6	3.7	3.6	4.1	2.9	2.7
20%	3.6	3.8	3.7	9.5	12.0	9.8	3.9	2.8	3.1	4.0	2.7	2.6
30%	3.1	2.3	3.4	6.4	6.8	7.2	3.1	2.7	2.8	3.7	2.7	2.5
40%	2.7	2.2	3.0	3.9	4.4	4.4	2.7	2.5	2.7	3.2	2.5	2.4
50%	2.5	2.1	3.0	3.7	3.7	4.2	2.7	2.4	2.6	3.0	2.4	2.4
60%	2.2	2.1	2.9	3.1	2.7	3.6	2.6	2.3	2.4	3.0	2.3	2.3
70%	2.2	2.0	2.5	2.6	2.5	3.1	2.5	2.3	2.4	2.8	2.3	2.3
80%	2.1	2.0	2.2	2.5	2.4	2.5	2.4	2.0	2.4	2.5	2.3	2.3
90%	2.0	1.9	2.2	2.2	2.0	2.2	2.3	1.8	2.2	2.4	2.2	2.1
Long Term												
Full Simulation Period[a]	2.8	3.0	4.6	5.3	5.8	5.9	3.9	2.7	2.8	3.2	2.5	2.4
Water Year Types[b]												
Wet (31%)	2.5	5.4	10.2	8.5	11.3	10.7	7.4	3.8	3.6	3.5	2.4	2.7
Above Normal (25%)	3.1	2.1	3.2	10.4	10.5	8.5	3.8	2.5	2.8	3.4	2.3	2.2
Below Normal (6%)	3.6	2.1	2.5	3.9	4.4	4.0	2.6	2.3	2.7	2.3	2.1	2.0
Dry (13%)	2.2	2.3	2.9	2.9	3.0	4.3	2.9	2.8	2.7	3.7	2.9	2.4
Critical (25%)	3.3	2.1	2.5	2.8	2.2	2.6	2.3	2.0	2.3	2.8	2.5	2.5

Alternative 3 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.1	-0.5	-0.9	-1.5	-1.1	-1.1	-1.4	-0.2	0.5	-0.4	-0.4	-2.4
20%	0.9	-0.5	-0.2	-1.4	-1.4	-1.5	-0.5	-0.1	0.3	-0.5	-0.5	-1.7
30%	0.5	-0.9	-0.3	-1.2	-1.6	-1.6	-0.2	0.0	0.1	-0.6	-0.5	-1.1
40%	0.3	-0.5	-0.2	-0.6	-1.1	-1.9	-0.1	0.0	0.2	-0.8	-0.6	-0.1
50%	0.1	-0.4	-0.1	-0.5	-0.7	-1.1	0.1	0.2	0.1	-0.8	-0.5	0.0
60%	-0.1	0.0	0.1	-0.4	-0.4	-0.8	0.2	0.2	0.1	-0.6	-0.4	0.2
70%	-0.1	0.0	-0.1	-0.6	-0.1	-0.2	0.1	0.3	0.2	-0.6	-0.1	0.2
80%	0.0	0.1	0.2	-0.2	-0.1	0.0	0.1	0.2	0.3	-0.5	0.1	0.3
90%	0.1	0.1	0.2	-0.1	0.0	-0.1	0.2	0.1	0.3	-0.3	0.1	0.1
Long Term												
Full Simulation Period[a]	0.4	-0.3	-0.2	-0.7	-0.7	-0.8	-0.2	0.0	0.2	-0.4	-0.3	-0.6
Water Year Types[b]												
Wet (31%)	-0.4	-0.4	-0.7	-1.4	-1.3	-1.3	-0.7	-0.4	0.0	-0.5	-0.8	-2.3
Above Normal (25%)	1.0	-0.1	-0.3	-1.4	-1.3	-1.7	-0.8	-0.2	0.2	-0.9	-0.8	-1.3
Below Normal (6%)	0.9	-0.7	-0.1	-0.6	-1.1	-1.1	-0.2	0.1	-0.1	-0.9	-0.7	-0.5
Dry (13%)	-0.1	-0.5	0.0	-0.1	-0.4	-0.6	0.1	0.3	0.2	-0.3	-0.1	0.2
Critical (25%)	1.0	-0.1	0.1	-0.5	-0.1	-0.3	0.1	0.2	0.3	-0.3	0.3	0.4

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-29-2-17. Sacramento River at Freeport, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.8	5.4	12.4	12.4	14.1	13.1	9.0	3.9	3.0	4.5	3.3	5.1
20%	2.7	4.2	3.8	10.8	13.3	11.3	4.3	2.9	2.8	4.5	3.2	4.3
30%	2.6	3.2	3.7	7.6	8.4	8.8	3.3	2.7	2.6	4.2	3.2	3.6
40%	2.5	2.8	3.2	4.5	5.5	6.3	2.8	2.4	2.5	4.1	3.1	2.5
50%	2.4	2.5	3.1	4.3	4.4	5.3	2.6	2.2	2.4	3.8	2.9	2.3
60%	2.4	2.1	2.7	3.6	3.1	4.4	2.5	2.1	2.3	3.6	2.8	2.2
70%	2.3	2.0	2.6	3.2	2.6	3.3	2.4	2.0	2.2	3.4	2.4	2.1
80%	2.1	1.9	2.0	2.7	2.4	2.5	2.3	1.8	2.1	3.0	2.2	2.0
90%	1.9	1.8	1.9	2.3	1.9	2.2	2.1	1.6	2.0	2.7	2.1	2.0
Long Term												
Full Simulation Period[a]	2.4	3.3	4.8	6.0	6.5	6.7	4.2	2.7	2.6	3.7	2.8	3.0
Water Year Types[b]												
Wet (31%)	2.8	5.8	10.9	9.8	12.5	12.0	8.0	4.2	3.5	4.0	3.2	5.0
Above Normal (25%)	2.1	2.2	3.5	11.8	11.8	10.1	4.6	2.7	2.6	4.3	3.2	3.6
Below Normal (6%)	2.7	2.8	2.6	4.5	5.5	5.1	2.8	2.2	2.8	3.3	2.8	2.5
Dry (13%)	2.3	2.8	2.9	3.0	3.4	4.9	2.8	2.5	2.4	4.0	3.0	2.2
Critical (25%)	2.3	2.2	2.4	3.2	2.3	2.8	2.3	1.8	2.0	3.1	2.2	2.0

Alternative 4 H1 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.8	4.9	11.2	10.6	12.7	11.7	7.4	3.6	3.3	4.5	3.1	2.9
20%	2.8	3.7	3.6	9.2	11.7	9.6	4.1	2.9	3.0	3.9	2.9	2.6
30%	2.7	2.2	3.3	6.2	6.6	7.2	2.9	2.8	2.9	3.8	2.8	2.6
40%	2.5	2.2	3.2	3.9	4.3	4.3	2.7	2.4	2.7	3.7	2.6	2.5
50%	2.4	2.1	3.0	3.8	3.6	4.2	2.6	2.4	2.6	3.3	2.6	2.4
60%	2.1	2.0	2.8	3.4	2.7	3.7	2.5	2.2	2.5	3.0	2.5	2.4
70%	2.0	2.0	2.5	3.3	2.4	2.9	2.4	2.1	2.4	2.8	2.4	2.3
80%	2.0	1.9	2.3	2.9	2.3	2.3	2.3	2.0	2.3	2.7	2.3	2.3
90%	1.9	1.8	2.3	2.3	2.0	2.2	2.3	1.7	2.2	2.3	2.3	2.2
Long Term												
Full Simulation Period[a]	2.4	2.9	4.5	5.3	5.7	5.8	3.8	2.7	2.8	3.4	2.7	2.5
Water Year Types[b]												
Wet (31%)	2.3	5.2	9.9	8.3	11.0	10.5	7.2	3.7	3.5	3.8	2.6	2.7
Above Normal (25%)	2.5	2.0	3.3	10.3	10.2	8.4	3.5	2.5	2.5	4.1	2.8	2.2
Below Normal (6%)	2.9	2.0	2.4	3.9	4.3	4.0	2.7	2.2	2.7	2.2	2.1	2.0
Dry (13%)	2.0	2.4	2.8	2.8	2.9	4.1	2.9	2.8	2.8	3.6	3.0	2.7
Critical (25%)	2.5	2.1	2.6	3.2	2.2	2.6	2.3	2.0	2.3	2.7	2.4	2.4

Alternative 4 H1 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.1	**-0.6**	**-1.2**	**-1.7**	**-1.3**	**-1.4**	**-1.6**	**-0.2**	0.3	**0.0**	**-0.2**	**-2.2**
20%	0.1	**-0.5**	**-0.2**	**-1.6**	**-1.6**	**-1.8**	**-0.2**	**0.0**	0.2	**-0.5**	**-0.3**	**-1.7**
30%	0.1	**-0.9**	**-0.3**	**-1.5**	**-1.8**	**-1.5**	**-0.5**	0.1	0.2	**-0.4**	**-0.4**	**-1.0**
40%	0.1	**-0.6**	**0.0**	**-0.6**	**-1.2**	**-2.0**	**-0.1**	**0.0**	0.3	**-0.4**	**-0.5**	0.0
50%	**-0.1**	**-0.4**	**-0.1**	**-0.5**	**-0.8**	**-1.1**	0.1	0.2	0.2	**-0.5**	**-0.3**	0.1
60%	**-0.3**	**0.0**	0.0	**-0.1**	**-0.4**	**-0.7**	0.0	0.1	0.2	**-0.6**	**-0.3**	0.2
70%	**-0.3**	**0.0**	**-0.2**	0.1	**-0.2**	**-0.5**	**0.0**	0.1	0.2	**-0.6**	0.0	0.2
80%	**-0.1**	0.0	0.3	0.2	**-0.1**	**-0.2**	0.0	0.2	0.2	**-0.3**	0.1	0.2
90%	0.1	0.1	0.3	**0.0**	0.1	**0.0**	0.2	0.1	0.3	**-0.4**	0.1	0.2
Long Term												
Full Simulation Period[a]	**-0.1**	**-0.4**	**-0.2**	**-0.7**	**-0.8**	**-0.9**	**-0.3**	**0.0**	0.2	**-0.3**	**-0.1**	**-0.5**
Water Year Types[b]												
Wet (31%)	**-0.5**	**-0.5**	**-1.0**	**-1.5**	**-1.5**	**-1.5**	**-0.9**	**-0.5**	**0.0**	**-0.2**	**-0.6**	**-2.3**
Above Normal (25%)	0.4	**-0.2**	**-0.3**	**-1.5**	**-1.6**	**-1.7**	**-1.0**	**-0.2**	**-0.1**	**-0.1**	**-0.4**	**-1.4**
Below Normal (6%)	0.1	**-0.8**	**-0.2**	**-0.6**	**-1.2**	**-1.1**	**-0.1**	**0.0**	**-0.1**	**-1.1**	**-0.7**	**-0.5**
Dry (13%)	**-0.3**	**-0.5**	**0.0**	**-0.2**	**-0.5**	**-0.8**	0.1	0.3	0.4	**-0.3**	0.0	0.5
Critical (25%)	0.2	**-0.1**	0.2	**0.0**	**-0.1**	**-0.3**	0.0	0.2	0.3	**-0.3**	0.3	0.4

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-29-2-18. Sacramento River at Freeport, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.8	5.4	12.4	12.4	14.1	13.1	9.0	3.9	3.0	4.5	3.3	5.1
20%	2.7	4.2	3.8	10.8	13.3	11.3	4.3	2.9	2.8	4.5	3.2	4.3
30%	2.6	3.2	3.7	7.6	8.4	8.8	3.3	2.7	2.6	4.2	3.2	3.6
40%	2.5	2.8	3.2	4.5	5.5	6.3	2.8	2.4	2.5	4.1	3.1	2.5
50%	2.4	2.5	3.1	4.3	4.4	5.3	2.6	2.2	2.4	3.8	2.9	2.3
60%	2.4	2.1	2.7	3.6	3.1	4.4	2.5	2.1	2.3	3.6	2.8	2.2
70%	2.3	2.0	2.6	3.2	2.6	3.3	2.4	2.0	2.2	3.4	2.4	2.1
80%	2.1	1.9	2.0	2.7	2.4	2.5	2.3	1.8	2.1	3.0	2.2	2.0
90%	1.9	1.8	1.9	2.3	1.9	2.2	2.1	1.6	2.0	2.7	2.1	2.0
Long Term												
Full Simulation Period[a]	2.4	3.3	4.8	6.0	6.5	6.7	4.2	2.7	2.6	3.7	2.8	3.0
Water Year Types[b]												
Wet (31%)	2.8	5.8	10.9	9.8	12.5	12.0	8.0	4.2	3.5	4.0	3.2	5.0
Above Normal (25%)	2.1	2.2	3.5	11.8	11.8	10.1	4.6	2.7	2.6	4.3	3.2	3.6
Below Normal (6%)	2.7	2.8	2.6	4.5	5.5	5.1	2.8	2.2	2.8	3.3	2.8	2.5
Dry (13%)	2.3	2.8	2.9	3.0	3.4	4.9	2.8	2.5	2.4	4.0	3.0	2.2
Critical (25%)	2.3	2.2	2.4	3.2	2.3	2.8	2.3	1.8	2.0	3.1	2.2	2.0

Alternative 4 H2 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3.1	5.1	11.4	10.7	12.7	11.7	7.8	3.6	3.1	3.7	3.0	2.7
20%	3.0	3.9	3.8	9.2	11.7	9.6	4.5	3.5	2.9	3.4	2.8	2.6
30%	2.8	2.2	3.4	6.1	6.6	7.5	4.1	2.9	2.7	3.3	2.7	2.5
40%	2.3	2.1	3.3	3.8	4.5	4.4	3.1	2.9	2.5	3.1	2.6	2.5
50%	2.3	2.1	2.8	3.5	3.6	4.3	2.6	2.5	2.5	3.1	2.6	2.4
60%	2.2	2.0	2.4	3.4	2.6	3.7	2.5	2.3	2.4	2.9	2.5	2.3
70%	2.1	2.0	2.2	3.1	2.4	2.9	2.4	2.2	2.3	2.5	2.4	2.3
80%	2.0	1.9	2.2	2.7	2.3	2.3	2.3	1.9	2.2	2.4	2.3	2.2
90%	2.0	1.9	2.0	2.3	1.9	2.1	2.2	1.7	2.2	2.4	2.2	2.2
Long Term												
Full Simulation Period[a]	2.4	3.0	4.5	5.3	5.7	5.8	4.1	2.8	2.7	3.0	2.6	2.5
Water Year Types[b]												
Wet (31%)	2.5	5.3	10.0	8.3	11.0	10.5	7.7	3.9	3.2	3.2	2.6	2.7
Above Normal (25%)	2.6	2.0	3.3	10.5	10.3	8.5	4.7	3.1	2.4	2.9	2.6	2.2
Below Normal (6%)	2.0	2.0	2.1	3.9	4.5	4.3	2.7	2.3	2.9	2.3	2.1	2.0
Dry (13%)	2.1	2.4	2.7	2.7	2.9	4.2	2.8	2.7	2.7	3.4	2.9	2.4
Critical (25%)	2.7	2.1	2.4	3.1	2.2	2.6	2.2	2.0	2.2	2.8	2.5	2.5

Alternative 4 H2 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.3	-0.4	-1.0	-1.7	-1.3	-1.4	-1.3	-0.3	0.1	-0.9	-0.3	-2.4
20%	0.3	-0.3	-0.1	-1.7	-1.6	-1.8	0.1	0.6	0.1	-1.1	-0.4	-1.7
30%	0.2	-0.9	-0.3	-1.5	-1.8	-1.3	0.8	0.3	0.0	-0.9	-0.4	-1.1
40%	-0.1	-0.6	0.1	-0.7	-1.0	-1.9	0.4	0.4	0.1	-0.9	-0.5	0.0
50%	-0.1	-0.4	-0.3	-0.8	-0.7	-0.9	0.1	0.3	0.0	-0.8	-0.3	0.1
60%	-0.1	0.0	-0.4	-0.2	-0.5	-0.7	0.1	0.2	0.1	-0.7	-0.3	0.1
70%	-0.2	0.0	-0.4	-0.1	-0.2	-0.4	0.0	0.2	0.1	-0.9	0.0	0.2
80%	-0.1	0.0	0.1	0.0	-0.1	-0.2	-0.1	0.1	0.2	-0.5	0.1	0.2
90%	0.1	0.1	0.1	0.0	-0.1	-0.1	0.1	0.1	0.3	-0.3	0.1	0.2
Long Term												
Full Simulation Period[a]	0.0	-0.3	-0.3	-0.7	-0.8	-0.9	-0.1	0.1	0.0	-0.7	-0.2	-0.6
Water Year Types[b]												
Wet (31%)	-0.3	-0.4	-0.9	-1.5	-1.5	-1.5	-0.3	-0.3	-0.3	-0.8	-0.6	-2.2
Above Normal (25%)	0.5	-0.2	-0.2	-1.3	-1.5	-1.7	0.1	0.4	-0.1	-1.4	-0.5	-1.4
Below Normal (6%)	-0.8	-0.8	-0.5	-0.6	-1.0	-0.8	-0.1	0.1	0.1	-1.0	-0.7	-0.5
Dry (13%)	-0.2	-0.4	-0.2	-0.3	-0.5	-0.7	0.0	0.2	0.2	-0.6	-0.1	0.2
Critical (25%)	0.4	-0.1	0.0	-0.1	-0.1	-0.2	0.0	0.2	0.2	-0.3	0.3	0.4

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-29-2-19. Sacramento River at Freeport, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.8	5.4	12.4	12.4	14.1	13.1	9.0	3.9	3.0	4.5	3.3	5.1
20%	2.7	4.2	3.8	10.8	13.3	11.3	4.3	2.9	2.8	4.5	3.2	4.3
30%	2.6	3.2	3.7	7.6	8.4	8.8	3.3	2.7	2.6	4.2	3.2	3.6
40%	2.5	2.8	3.2	4.5	5.5	6.3	2.8	2.4	2.5	4.1	3.1	2.5
50%	2.4	2.5	3.1	4.3	4.4	5.3	2.6	2.2	2.4	3.8	2.9	2.3
60%	2.4	2.1	2.7	3.6	3.1	4.4	2.5	2.1	2.3	3.6	2.8	2.2
70%	2.3	2.0	2.6	3.2	2.6	3.3	2.4	2.0	2.2	3.4	2.4	2.1
80%	2.1	1.9	2.0	2.7	2.4	2.5	2.3	1.8	2.1	3.0	2.2	2.0
90%	1.9	1.8	1.9	2.3	1.9	2.2	2.1	1.6	2.0	2.7	2.1	2.0
Long Term												
Full Simulation Period[a]	2.4	3.3	4.8	6.0	6.5	6.7	4.2	2.7	2.6	3.7	2.8	3.0
Water Year Types[b]												
Wet (31%)	2.8	5.8	10.9	9.8	12.5	12.0	8.0	4.2	3.5	4.0	3.2	5.0
Above Normal (25%)	2.1	2.2	3.5	11.8	11.8	10.1	4.6	2.7	2.6	4.3	3.2	3.6
Below Normal (6%)	2.7	2.8	2.6	4.5	5.5	5.1	2.8	2.2	2.8	3.3	2.8	2.5
Dry (13%)	2.3	2.8	2.9	3.0	3.4	4.9	2.8	2.5	2.4	4.0	3.0	2.2
Critical (25%)	2.3	2.2	2.4	3.2	2.3	2.8	2.3	1.8	2.0	3.1	2.2	2.0

Alternative 4 H3 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.7	4.9	11.0	10.6	12.6	11.7	7.4	3.6	3.3	4.5	3.1	4.3
20%	2.6	3.8	3.4	9.1	11.7	9.6	4.1	2.9	3.0	3.9	2.9	3.8
30%	2.4	2.5	3.3	6.3	6.6	6.9	2.9	2.7	2.9	3.8	2.7	3.0
40%	2.2	2.2	3.3	3.9	4.3	4.3	2.7	2.5	2.8	3.7	2.6	2.8
50%	2.2	2.2	3.1	3.8	3.6	4.2	2.5	2.4	2.6	3.2	2.5	2.6
60%	2.1	2.0	2.7	3.4	2.7	3.7	2.4	2.2	2.5	3.0	2.5	2.5
70%	2.1	2.0	2.5	2.8	2.4	2.8	2.4	2.1	2.4	2.8	2.4	2.4
80%	2.1	1.9	2.3	2.5	2.3	2.3	2.3	2.0	2.3	2.6	2.4	2.3
90%	2.0	1.9	2.1	2.1	1.9	2.2	2.3	1.7	2.2	2.3	2.3	2.3
Long Term												
Full Simulation Period[a]	2.3	3.0	4.5	5.2	5.7	5.7	3.8	2.7	2.8	3.3	2.6	3.0
Water Year Types[b]												
Wet (31%)	2.3	5.1	9.8	8.3	11.0	10.5	7.2	3.7	3.5	3.8	2.6	4.2
Above Normal (25%)	2.7	2.0	3.3	10.1	10.1	8.4	3.5	2.5	2.5	4.1	2.8	3.0
Below Normal (6%)	2.2	2.0	2.0	3.9	4.3	4.0	2.7	2.2	3.0	2.2	2.1	2.2
Dry (13%)	2.1	2.5	2.8	2.6	2.9	3.9	2.8	2.8	2.8	3.6	2.9	2.6
Critical (25%)	2.4	2.2	2.6	3.1	2.2	2.6	2.2	2.0	2.3	2.7	2.4	2.4

Alternative 4 H3 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.0	-0.6	-1.5	-1.8	-1.4	-1.5	-1.6	-0.3	0.3	0.0	-0.2	-0.8
20%	-0.2	-0.4	-0.5	-1.7	-1.6	-1.8	-0.2	-0.1	0.2	-0.5	-0.3	-0.6
30%	-0.2	-0.6	-0.4	-1.3	-1.8	-1.9	-0.5	0.1	0.3	-0.5	-0.5	-0.6
40%	-0.2	-0.6	0.1	-0.6	-1.2	-2.0	-0.1	0.1	0.4	-0.4	-0.5	0.3
50%	-0.2	-0.3	-0.1	-0.5	-0.7	-1.1	0.0	0.2	0.2	-0.6	-0.4	0.3
60%	-0.2	0.0	-0.1	-0.2	-0.4	-0.7	0.0	0.1	0.2	-0.6	-0.3	0.3
70%	-0.2	0.0	-0.1	-0.3	-0.2	-0.5	-0.1	0.1	0.2	-0.6	0.0	0.3
80%	0.0	0.0	0.3	-0.2	-0.1	-0.2	0.0	0.2	0.2	-0.3	0.1	0.3
90%	0.2	0.1	0.2	-0.2	-0.1	0.0	0.2	0.1	0.3	-0.4	0.1	0.3
Long Term												
Full Simulation Period[a]	-0.1	-0.3	-0.3	-0.8	-0.8	-1.0	-0.3	0.0	0.2	-0.3	-0.2	-0.1
Water Year Types[b]												
Wet (31%)	-0.5	-0.6	-1.1	-1.5	-1.5	-1.5	-0.9	-0.5	0.0	-0.2	-0.5	-0.8
Above Normal (25%)	0.6	-0.2	-0.2	-1.7	-1.6	-1.7	-1.0	-0.2	0.0	-0.1	-0.4	-0.6
Below Normal (6%)	-0.5	-0.8	-0.6	-0.6	-1.2	-1.1	-0.1	0.0	0.1	-1.1	-0.6	-0.3
Dry (13%)	-0.2	-0.3	-0.1	-0.4	-0.5	-0.9	0.1	0.3	0.4	-0.4	-0.1	0.4
Critical (25%)	0.1	0.0	0.2	-0.1	-0.1	-0.3	0.0	0.2	0.2	-0.4	0.2	0.4

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-29-2-20. Sacramento River at Freeport, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.8	5.4	12.4	12.4	14.1	13.1	9.0	3.9	3.0	4.5	3.3	5.1
20%	2.7	4.2	3.8	10.8	13.3	11.3	4.3	2.9	2.8	4.5	3.2	4.3
30%	2.6	3.2	3.7	7.6	8.4	8.8	3.3	2.7	2.6	4.2	3.2	3.6
40%	2.5	2.8	3.2	4.5	5.5	6.3	2.8	2.4	2.5	4.1	3.1	2.5
50%	2.4	2.5	3.1	4.3	4.4	5.3	2.6	2.2	2.4	3.8	2.9	2.3
60%	2.4	2.1	2.7	3.6	3.1	4.4	2.5	2.1	2.3	3.6	2.8	2.2
70%	2.3	2.0	2.6	3.2	2.6	3.3	2.4	2.0	2.2	3.4	2.4	2.1
80%	2.1	1.9	2.0	2.7	2.4	2.5	2.3	1.8	2.1	3.0	2.2	2.0
90%	1.9	1.8	1.9	2.3	1.9	2.2	2.1	1.6	2.0	2.7	2.1	2.0
Long Term												
Full Simulation Period[a]	2.4	3.3	4.8	6.0	6.5	6.7	4.2	2.7	2.6	3.7	2.8	3.0
Water Year Types[b]												
Wet (31%)	2.8	5.8	10.9	9.8	12.5	12.0	8.0	4.2	3.5	4.0	3.2	5.0
Above Normal (25%)	2.1	2.2	3.5	11.8	11.8	10.1	4.6	2.7	2.6	4.3	3.2	3.6
Below Normal (6%)	2.7	2.8	2.6	4.5	5.5	5.1	2.8	2.2	2.8	3.3	2.8	2.5
Dry (13%)	2.3	2.8	2.9	3.0	3.4	4.9	2.8	2.5	2.4	4.0	3.0	2.2
Critical (25%)	2.3	2.2	2.4	3.2	2.3	2.8	2.3	1.8	2.0	3.1	2.2	2.0

Alternative 4 H4 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.9	4.8	11.1	10.7	12.6	11.7	7.8	3.6	3.1	3.6	3.0	4.2
20%	2.8	3.8	3.4	9.2	11.7	9.6	4.5	3.5	2.8	3.4	2.9	4.0
30%	2.6	2.5	3.3	6.1	6.6	7.3	4.1	2.9	2.7	3.2	2.8	3.0
40%	2.4	2.2	3.2	3.8	4.4	4.3	3.2	2.9	2.5	3.1	2.7	2.7
50%	2.3	2.2	2.8	3.5	3.6	4.2	2.6	2.5	2.5	2.9	2.6	2.6
60%	2.3	2.0	2.5	3.1	2.6	3.7	2.5	2.3	2.4	2.7	2.6	2.5
70%	2.2	2.0	2.4	2.5	2.4	2.8	2.3	2.1	2.3	2.6	2.5	2.5
80%	2.0	1.9	2.2	2.3	2.3	2.3	2.3	1.9	2.2	2.5	2.4	2.3
90%	1.9	1.9	2.1	2.1	1.9	2.1	2.2	1.7	2.2	2.4	2.3	2.3
Long Term												
Full Simulation Period[a]	2.4	3.0	4.4	5.1	5.7	5.8	4.1	2.8	2.6	3.0	2.6	2.9
Water Year Types[b]												
Wet (31%)	2.6	5.1	9.9	8.3	11.0	10.5	7.8	3.9	3.2	3.2	2.6	4.2
Above Normal (25%)	2.7	2.0	3.3	10.4	10.2	8.4	4.7	3.1	2.4	2.9	2.6	3.0
Below Normal (6%)	2.3	2.0	2.3	3.9	4.4	4.0	2.7	2.3	2.8	2.3	2.3	2.2
Dry (13%)	2.1	2.4	2.6	2.6	2.9	4.1	2.7	2.7	2.6	3.2	2.9	2.4
Critical (25%)	2.4	2.3	2.4	2.7	2.2	2.5	2.2	2.0	2.2	2.8	2.5	2.5

Alternative 4 H4 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.1	**-0.7**	**-1.4**	**-1.7**	**-1.4**	**-1.4**	**-1.2**	**-0.3**	0.1	**-1.0**	**-0.4**	**-0.9**
20%	0.1	**-0.4**	**-0.5**	**-1.6**	**-1.6**	**-1.8**	0.1	0.6	0.0	**-1.1**	**-0.3**	**-0.4**
30%	0.0	**-0.6**	**-0.3**	**-1.5**	**-1.8**	**-1.4**	0.8	0.3	0.0	**-1.0**	**-0.3**	**-0.6**
40%	**-0.1**	**-0.5**	0.0	**-0.7**	**-1.1**	**-2.0**	0.4	0.4	0.1	**-0.9**	**-0.5**	0.2
50%	**-0.1**	**-0.3**	**-0.3**	**-0.8**	**-0.7**	**-1.1**	0.1	0.3	0.0	**-0.9**	**-0.3**	0.2
60%	**-0.1**	**0.0**	**-0.2**	**-0.5**	**-0.5**	**-0.7**	0.1	0.2	0.1	**-0.8**	**-0.2**	0.3
70%	**-0.1**	0.0	**-0.3**	**-0.6**	**-0.2**	**-0.5**	**-0.1**	0.1	0.1	**-0.8**	0.1	0.4
80%	**-0.1**	0.0	0.2	**-0.4**	**-0.1**	**-0.2**	**0.0**	0.1	0.2	**-0.5**	0.2	0.3
90%	0.1	0.1	0.2	**-0.2**	**-0.1**	**-0.1**	0.1	0.1	0.2	**-0.3**	0.2	0.3
Long Term												
Full Simulation Period[a]	**0.0**	**-0.3**	**-0.4**	**-0.9**	**-0.8**	**-0.9**	**-0.1**	0.1	0.0	**-0.7**	**-0.1**	**-0.1**
Water Year Types[b]												
Wet (31%)	**-0.2**	**-0.6**	**-1.0**	**-1.5**	**-1.5**	**-1.5**	**-0.3**	**-0.3**	**-0.3**	**-0.8**	**-0.5**	**-0.8**
Above Normal (25%)	0.6	**-0.2**	**-0.2**	**-1.4**	**-1.6**	**-1.7**	0.2	0.4	**-0.1**	**-1.4**	**-0.5**	**-0.6**
Below Normal (6%)	**-0.4**	**-0.8**	**-0.3**	**-0.6**	**-1.1**	**-1.1**	**-0.1**	0.1	**0.0**	**-1.0**	**-0.5**	**-0.3**
Dry (13%)	**-0.2**	**-0.4**	**-0.2**	**-0.4**	**-0.5**	**-0.7**	**-0.1**	0.2	0.2	**-0.7**	**-0.1**	0.2
Critical (25%)	0.2	0.1	0.0	**-0.6**	**-0.1**	**-0.3**	**0.0**	0.2	0.2	**-0.3**	0.4	0.5

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-29-2-21. Sacramento River at Freeport, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.8	5.4	12.4	12.4	14.1	13.1	9.0	3.9	3.0	4.5	3.3	5.1
20%	2.7	4.2	3.8	10.8	13.3	11.3	4.3	2.9	2.8	4.5	3.2	4.3
30%	2.6	3.2	3.7	7.6	8.4	8.8	3.3	2.7	2.6	4.2	3.2	3.6
40%	2.5	2.8	3.2	4.5	5.5	6.3	2.8	2.4	2.5	4.1	3.1	2.5
50%	2.4	2.5	3.1	4.3	4.4	5.3	2.6	2.2	2.4	3.8	2.9	2.3
60%	2.4	2.1	2.7	3.6	3.1	4.4	2.5	2.1	2.3	3.6	2.8	2.2
70%	2.3	2.0	2.6	3.2	2.6	3.3	2.4	2.0	2.2	3.4	2.4	2.1
80%	2.1	1.9	2.0	2.7	2.4	2.5	2.3	1.8	2.1	3.0	2.2	2.0
90%	1.9	1.8	1.9	2.3	1.9	2.2	2.1	1.6	2.0	2.7	2.1	2.0
Long Term												
Full Simulation Period[a]	2.4	3.3	4.8	6.0	6.5	6.7	4.2	2.7	2.6	3.7	2.8	3.0
Water Year Types[b]												
Wet (31%)	2.8	5.8	10.9	9.8	12.5	12.0	8.0	4.2	3.5	4.0	3.2	5.0
Above Normal (25%)	2.1	2.2	3.5	11.8	11.8	10.1	4.6	2.7	2.6	4.3	3.2	3.6
Below Normal (6%)	2.7	2.8	2.6	4.5	5.5	5.1	2.8	2.2	2.8	3.3	2.8	2.5
Dry (13%)	2.3	2.8	2.9	3.0	3.4	4.9	2.8	2.5	2.4	4.0	3.0	2.2
Critical (25%)	2.3	2.2	2.4	3.2	2.3	2.8	2.3	1.8	2.0	3.1	2.2	2.0

Alternative 5 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3.1	5.2	11.8	11.3	13.4	12.5	8.2	3.7	3.4	4.3	3.2	4.5
20%	2.7	3.9	3.6	9.8	12.5	10.3	3.9	2.8	3.0	4.1	3.1	4.0
30%	2.7	2.8	3.5	6.6	7.2	7.6	3.0	2.6	2.9	3.9	2.9	3.0
40%	2.4	2.4	3.3	4.1	4.7	4.9	2.8	2.3	2.8	3.8	2.7	2.5
50%	2.4	2.3	3.1	3.8	3.9	4.5	2.7	2.3	2.8	3.5	2.6	2.5
60%	2.3	2.2	2.9	3.4	2.8	3.8	2.6	2.3	2.7	3.3	2.5	2.4
70%	2.3	2.2	2.7	3.0	2.7	3.1	2.4	2.1	2.5	3.1	2.4	2.3
80%	2.2	2.1	2.3	2.7	2.5	2.5	2.4	2.0	2.3	3.0	2.3	2.3
90%	2.1	2.0	2.1	2.3	1.9	2.3	2.3	1.8	2.3	2.4	2.3	2.2
Long Term												
Full Simulation Period[a]	2.5	3.2	4.7	5.5	6.1	6.1	4.0	2.7	2.9	3.5	2.7	3.0
Water Year Types[b]												
Wet (31%)	2.6	5.7	10.4	8.9	11.7	11.2	7.7	4.0	3.7	3.8	2.9	4.5
Above Normal (25%)	2.3	2.2	3.5	10.9	10.9	9.0	3.9	2.5	2.9	3.9	2.7	3.0
Below Normal (6%)	2.3	2.3	2.7	4.1	4.7	4.4	2.7	2.3	3.1	3.3	2.3	2.2
Dry (13%)	2.3	2.6	2.9	2.8	3.1	4.3	2.8	2.7	2.7	3.6	2.9	2.3
Critical (25%)	2.7	2.3	2.5	3.1	2.3	2.7	2.4	1.9	2.3	3.0	2.4	2.4

Alternative 5 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.3	-0.2	-0.7	-1.1	-0.7	-0.7	-0.8	-0.2	0.3	-0.2	-0.1	-0.6
20%	0.0	-0.3	-0.3	-1.0	-0.9	-1.0	-0.4	-0.1	0.3	-0.4	-0.1	-0.3
30%	0.1	-0.4	-0.2	-1.0	-1.2	-1.2	-0.3	0.0	0.3	-0.3	-0.3	-0.5
40%	0.0	-0.4	0.1	-0.4	-0.8	-1.4	0.0	-0.1	0.3	-0.3	-0.5	0.0
50%	0.0	-0.2	-0.1	-0.4	-0.5	-0.8	0.1	0.1	0.3	-0.3	-0.3	0.1
60%	0.0	0.2	0.2	-0.2	-0.2	-0.6	0.1	0.1	0.4	-0.2	-0.2	0.2
70%	0.0	0.2	0.1	-0.1	0.1	-0.3	0.0	0.1	0.3	-0.2	0.0	0.2
80%	0.1	0.2	0.3	-0.1	0.0	0.0	0.0	0.2	0.3	0.1	0.1	0.3
90%	0.2	0.2	0.2	0.0	0.0	0.1	0.2	0.1	0.3	-0.3	0.2	0.2
Long Term												
Full Simulation Period[a]	0.1	-0.1	-0.1	-0.5	-0.4	-0.6	-0.1	0.0	0.3	-0.2	-0.1	-0.1
Water Year Types[b]												
Wet (31%)	-0.2	-0.1	-0.5	-1.0	-0.8	-0.8	-0.4	-0.2	0.2	-0.2	-0.2	-0.5
Above Normal (25%)	0.2	0.0	-0.1	-0.9	-0.9	-1.2	-0.7	-0.2	0.3	-0.4	-0.5	-0.5
Below Normal (6%)	-0.4	-0.5	0.1	-0.4	-0.8	-0.7	-0.1	0.0	0.2	0.1	-0.5	-0.4
Dry (13%)	-0.1	-0.3	0.0	-0.2	-0.3	-0.6	0.0	0.1	0.3	-0.3	-0.1	0.1
Critical (25%)	0.4	0.1	0.1	-0.1	0.0	-0.1	0.2	0.1	0.3	-0.1	0.2	0.4

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-29-2-22. Sacramento River at Freeport, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.8	5.4	12.4	12.4	14.1	13.1	9.0	3.9	3.0	4.5	3.3	5.1
20%	2.7	4.2	3.8	10.8	13.3	11.3	4.3	2.9	2.8	4.5	3.2	4.3
30%	2.6	3.2	3.7	7.6	8.4	8.8	3.3	2.7	2.6	4.2	3.2	3.6
40%	2.5	2.8	3.2	4.5	5.5	6.3	2.8	2.4	2.5	4.1	3.1	2.5
50%	2.4	2.5	3.1	4.3	4.4	5.3	2.6	2.2	2.4	3.8	2.9	2.3
60%	2.4	2.1	2.7	3.6	3.1	4.4	2.5	2.1	2.3	3.6	2.8	2.2
70%	2.3	2.0	2.6	3.2	2.6	3.3	2.4	2.0	2.2	3.4	2.4	2.1
80%	2.1	1.9	2.0	2.7	2.4	2.5	2.3	1.8	2.1	3.0	2.2	2.0
90%	1.9	1.8	1.9	2.3	1.9	2.2	2.1	1.6	2.0	2.7	2.1	2.0
Long Term												
Full Simulation Period[a]	2.4	3.3	4.8	6.0	6.5	6.7	4.2	2.7	2.6	3.7	2.8	3.0
Water Year Types[b]												
Wet (31%)	2.8	5.8	10.9	9.8	12.5	12.0	8.0	4.2	3.5	4.0	3.2	5.0
Above Normal (25%)	2.1	2.2	3.5	11.8	11.8	10.1	4.6	2.7	2.6	4.3	3.2	3.6
Below Normal (6%)	2.7	2.8	2.6	4.5	5.5	5.1	2.8	2.2	2.8	3.3	2.8	2.5
Dry (13%)	2.3	2.8	2.9	3.0	3.4	4.9	2.8	2.5	2.4	4.0	3.0	2.2
Critical (25%)	2.3	2.2	2.4	3.2	2.3	2.8	2.3	1.8	2.0	3.1	2.2	2.0

Alternative 6A,6B,6C (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.2	4.7	11.1	10.0	12.1	11.2	7.0	3.1	2.9	2.8	2.5	3.2
20%	1.9	3.5	3.3	8.7	11.2	9.1	3.8	2.6	2.7	2.6	2.3	2.7
30%	1.9	2.4	3.2	5.8	6.2	6.6	2.8	2.6	2.6	2.3	2.2	2.2
40%	1.9	2.0	2.9	3.5	4.2	4.1	2.5	2.5	2.4	2.2	2.2	2.1
50%	1.9	1.9	2.7	3.3	3.4	3.9	2.4	2.2	2.4	2.2	2.2	2.1
60%	1.8	1.8	2.3	2.8	3.1	3.4	2.4	2.1	2.3	2.2	2.1	2.1
70%	1.8	1.7	2.1	2.5	2.3	2.7	2.3	2.1	2.3	2.1	2.1	2.0
80%	1.8	1.7	2.0	2.1	2.2	2.2	2.2	1.9	2.2	2.1	2.1	2.0
90%	1.7	1.7	1.9	2.0	1.8	1.9	2.2	1.7	2.2	2.1	2.0	1.9
Long Term												
Full Simulation Period[a]	1.9	2.7	4.3	4.8	5.5	5.4	3.6	2.5	2.5	2.3	2.2	2.3
Water Year Types[b]												
Wet (31%)	2.1	4.8	9.7	7.9	10.6	10.1	6.9	3.5	3.0	2.8	2.4	3.1
Above Normal (25%)	1.8	1.7	3.0	9.8	9.6	7.9	3.3	2.5	2.4	2.4	2.1	2.1
Below Normal (6%)	1.9	1.7	2.0	3.7	4.2	3.7	2.5	2.3	2.9	2.1	2.0	1.8
Dry (13%)	1.8	2.3	2.5	2.5	2.7	3.8	2.7	2.4	2.5	2.1	2.1	2.0
Critical (25%)	1.9	2.0	2.2	2.4	2.3	2.3	2.2	1.9	2.2	2.2	2.2	2.1

Alternative 6A,6B,6C (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-0.6	-0.7	-1.4	-2.4	-2.0	-1.9	-2.1	-0.7	-0.1	-1.7	-0.9	-1.9
20%	-0.8	-0.7	-0.6	-2.1	-2.1	-2.2	-0.5	-0.3	-0.1	-1.9	-0.9	-1.6
30%	-0.6	-0.8	-0.5	-1.8	-2.2	-2.2	-0.6	-0.1	-0.1	-2.0	-1.0	-1.4
40%	-0.6	-0.8	-0.3	-0.9	-1.3	-2.2	-0.3	0.0	0.0	-1.8	-1.0	-0.4
50%	-0.5	-0.6	-0.4	-0.9	-1.0	-1.4	-0.1	0.0	0.0	-1.6	-0.7	-0.3
60%	-0.6	-0.2	-0.5	-0.8	0.0	-1.0	-0.1	0.0	0.0	-1.4	-0.6	-0.1
70%	-0.5	-0.3	-0.5	-0.7	-0.3	-0.6	-0.1	0.1	0.0	-1.2	-0.3	-0.1
80%	-0.4	-0.2	0.0	-0.7	-0.2	-0.3	-0.1	0.1	0.2	-0.8	-0.2	-0.1
90%	-0.1	-0.1	0.0	-0.3	-0.2	-0.3	0.1	0.1	0.2	-0.6	-0.1	-0.1
Long Term												
Full Simulation Period[a]	-0.5	-0.6	-0.5	-1.2	-1.0	-1.3	-0.5	-0.2	-0.1	-1.3	-0.6	-0.7
Water Year Types[b]												
Wet (31%)	-0.8	-0.9	-1.2	-2.0	-2.0	-1.9	-1.2	-0.7	-0.5	-1.2	-0.8	-1.8
Above Normal (25%)	-0.3	-0.5	-0.5	-1.9	-2.2	-2.2	-1.3	-0.2	-0.2	-1.8	-1.1	-1.5
Below Normal (6%)	-0.8	-1.0	-0.6	-0.8	-1.3	-1.4	-0.3	0.0	0.0	-1.1	-0.7	-0.7
Dry (13%)	-0.5	-0.5	-0.3	-0.5	-0.7	-1.1	-0.1	-0.1	0.1	-1.8	-0.9	-0.2
Critical (25%)	-0.4	-0.2	-0.2	-0.8	0.0	-0.5	-0.1	0.1	0.2	-0.9	0.0	0.0

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-29-2-23. Sacramento River at Freeport, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.8	5.4	12.4	12.4	14.1	13.1	9.0	3.9	3.0	4.5	3.3	5.1
20%	2.7	4.2	3.8	10.8	13.3	11.3	4.3	2.9	2.8	4.5	3.2	4.3
30%	2.6	3.2	3.7	7.6	8.4	8.8	3.3	2.7	2.6	4.2	3.2	3.6
40%	2.5	2.8	3.2	4.5	5.5	6.3	2.8	2.4	2.5	4.1	3.1	2.5
50%	2.4	2.5	3.1	4.3	4.4	5.3	2.6	2.2	2.4	3.8	2.9	2.3
60%	2.4	2.1	2.7	3.6	3.1	4.4	2.5	2.1	2.3	3.6	2.8	2.2
70%	2.3	2.0	2.6	3.2	2.6	3.3	2.4	2.0	2.2	3.4	2.4	2.1
80%	2.1	1.9	2.0	2.7	2.4	2.5	2.3	1.8	2.1	3.0	2.2	2.0
90%	1.9	1.8	1.9	2.3	1.9	2.2	2.1	1.6	2.0	2.7	2.1	2.0
Long Term												
Full Simulation Period[a]	2.4	3.3	4.8	6.0	6.5	6.7	4.2	2.7	2.6	3.7	2.8	3.0
Water Year Types[b]												
Wet (31%)	2.8	5.8	10.9	9.8	12.5	12.0	8.0	4.2	3.5	4.0	3.2	5.0
Above Normal (25%)	2.1	2.2	3.5	11.8	11.8	10.1	4.6	2.7	2.6	4.3	3.2	3.6
Below Normal (6%)	2.7	2.8	2.6	4.5	5.5	5.1	2.8	2.2	2.8	3.3	2.8	2.5
Dry (13%)	2.3	2.8	2.9	3.0	3.4	4.9	2.8	2.5	2.4	4.0	3.0	2.2
Critical (25%)	2.3	2.2	2.4	3.2	2.3	2.8	2.3	1.8	2.0	3.1	2.2	2.0

Alternative 7 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.5	4.9	11.4	10.4	12.6	11.7	7.6	3.4	2.9	4.3	3.1	4.2
20%	2.3	3.7	3.4	9.2	11.6	9.4	3.9	2.6	2.7	3.8	3.0	3.8
30%	2.2	2.5	3.3	6.0	6.5	6.7	2.9	2.5	2.6	3.7	2.9	2.9
40%	2.1	2.1	3.0	3.8	4.2	4.3	2.7	2.4	2.6	3.5	2.8	2.6
50%	2.1	2.1	2.8	3.6	3.7	4.1	2.5	2.2	2.6	3.4	2.8	2.4
60%	2.1	2.0	2.4	3.1	3.4	3.7	2.5	2.1	2.5	3.3	2.7	2.3
70%	2.0	2.0	2.2	2.6	2.6	3.0	2.4	2.1	2.5	3.1	2.7	2.3
80%	2.0	1.9	2.1	2.2	2.4	2.4	2.3	2.0	2.5	2.8	2.7	2.3
90%	1.9	1.8	2.0	2.2	1.9	2.0	2.2	1.9	2.4	2.7	2.6	2.3
Long Term												
Full Simulation Period[a]	2.1	2.9	4.4	5.1	5.7	5.7	3.8	2.6	2.7	3.4	2.8	2.9
Water Year Types[b]												
Wet (31%)	2.4	5.2	10.1	8.2	11.0	10.4	7.2	3.7	3.4	3.7	2.9	4.1
Above Normal (25%)	1.9	2.1	3.1	10.3	10.0	8.1	3.6	2.5	2.6	3.6	2.7	2.9
Below Normal (6%)	2.1	2.0	2.1	3.9	4.2	4.2	2.8	2.3	2.7	3.5	2.8	2.6
Dry (13%)	2.1	2.4	2.6	2.7	2.9	4.0	2.8	2.4	2.6	3.8	3.0	2.3
Critical (25%)	2.1	2.1	2.3	2.6	2.4	2.5	2.2	2.0	2.4	2.7	2.6	2.4

Alternative 7 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-0.3	-0.6	-1.0	-2.0	-1.5	-1.4	-1.4	-0.5	-0.1	-0.3	-0.3	-1.0
20%	-0.4	-0.5	-0.5	-1.6	-1.7	-1.9	-0.4	-0.3	-0.1	-0.6	-0.2	-0.6
30%	-0.4	-0.6	-0.3	-1.6	-1.9	-2.1	-0.5	-0.1	0.0	-0.5	-0.3	-0.7
40%	-0.3	-0.7	-0.2	-0.7	-1.3	-2.0	0.0	0.0	0.1	-0.6	-0.3	0.0
50%	-0.3	-0.4	-0.3	-0.7	-0.7	-1.1	0.0	0.0	0.1	-0.4	-0.1	0.1
60%	-0.3	0.0	-0.3	-0.5	0.3	-0.7	0.0	0.0	0.2	-0.2	0.0	0.1
70%	-0.3	0.0	-0.4	-0.6	0.0	-0.4	0.0	0.1	0.3	-0.3	0.3	0.2
80%	-0.1	0.0	0.1	-0.5	-0.1	-0.1	0.0	0.2	0.4	-0.2	0.5	0.2
90%	0.0	0.0	0.1	-0.2	-0.1	-0.2	0.1	0.3	0.4	0.0	0.5	0.3
Long Term												
Full Simulation Period[a]	-0.3	-0.3	-0.4	-0.9	-0.8	-1.0	-0.3	-0.1	0.1	-0.3	0.0	-0.2
Water Year Types[b]												
Wet (31%)	-0.5	-0.6	-0.8	-1.7	-1.6	-1.6	-0.8	-0.5	-0.1	-0.3	-0.2	-0.8
Above Normal (25%)	-0.2	-0.1	-0.4	-1.5	-1.7	-2.1	-1.0	-0.2	0.0	-0.7	-0.4	-0.7
Below Normal (6%)	-0.6	-0.8	-0.5	-0.6	-1.3	-0.9	0.0	0.0	-0.1	0.2	0.1	0.0
Dry (13%)	-0.3	-0.4	-0.2	-0.3	-0.5	-0.8	0.0	-0.1	0.1	-0.2	0.0	0.1
Critical (25%)	-0.2	-0.1	-0.1	-0.6	0.1	-0.3	0.0	0.2	0.4	-0.3	0.5	0.3

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-29-2-24. Sacramento River at Freeport, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.8	5.4	12.4	12.4	14.1	13.1	9.0	3.9	3.0	4.5	3.3	5.1
20%	2.7	4.2	3.8	10.8	13.3	11.3	4.3	2.9	2.8	4.5	3.2	4.3
30%	2.6	3.2	3.7	7.6	8.4	8.8	3.3	2.7	2.6	4.2	3.2	3.6
40%	2.5	2.8	3.2	4.5	5.5	6.3	2.8	2.4	2.5	4.1	3.1	2.5
50%	2.4	2.5	3.1	4.3	4.4	5.3	2.6	2.2	2.4	3.8	2.9	2.3
60%	2.4	2.1	2.7	3.6	3.1	4.4	2.5	2.1	2.3	3.6	2.8	2.2
70%	2.3	2.0	2.6	3.2	2.6	3.3	2.4	2.0	2.2	3.4	2.4	2.1
80%	2.1	1.9	2.0	2.7	2.4	2.5	2.3	1.8	2.1	3.0	2.2	2.0
90%	1.9	1.8	1.9	2.3	1.9	2.2	2.1	1.6	2.0	2.7	2.1	2.0
Long Term												
Full Simulation Period[a]	2.4	3.3	4.8	6.0	6.5	6.7	4.2	2.7	2.6	3.7	2.8	3.0
Water Year Types[b]												
Wet (31%)	2.8	5.8	10.9	9.8	12.5	12.0	8.0	4.2	3.5	4.0	3.2	5.0
Above Normal (25%)	2.1	2.2	3.5	11.8	11.8	10.1	4.6	2.7	2.6	4.3	3.2	3.6
Below Normal (6%)	2.7	2.8	2.6	4.5	5.5	5.1	2.8	2.2	2.8	3.3	2.8	2.5
Dry (13%)	2.3	2.8	2.9	3.0	3.4	4.9	2.8	2.5	2.4	4.0	3.0	2.2
Critical (25%)	2.3	2.2	2.4	3.2	2.3	2.8	2.3	1.8	2.0	3.1	2.2	2.0

Alternative 8 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.5	5.3	11.5	10.5	12.5	11.7	8.1	4.0	2.8	3.1	2.8	3.9
20%	2.2	3.9	3.5	9.2	11.5	9.3	4.6	3.2	2.6	2.9	2.7	3.7
30%	2.2	2.6	3.3	6.4	7.0	7.5	3.3	2.9	2.6	2.8	2.7	2.8
40%	2.1	2.2	3.0	4.2	4.5	4.7	3.2	2.5	2.6	2.7	2.7	2.4
50%	2.1	2.1	2.8	3.9	4.1	4.6	3.2	2.5	2.5	2.7	2.7	2.3
60%	2.0	2.1	2.4	3.4	3.6	4.1	2.9	2.4	2.5	2.7	2.6	2.3
70%	2.0	2.0	2.2	2.7	2.8	3.4	2.7	2.4	2.4	2.6	2.6	2.3
80%	1.9	1.9	2.1	2.3	2.4	2.8	2.6	2.3	2.4	2.5	2.5	2.2
90%	1.9	1.8	2.0	2.2	2.0	2.5	2.4	2.0	2.3	2.5	2.5	2.2
Long Term												
Full Simulation Period[a]	2.1	3.0	4.4	5.2	5.9	6.0	4.2	3.0	2.7	2.7	2.7	2.8
Water Year Types[b]												
Wet (31%)	2.3	5.3	10.1	8.4	10.9	10.4	7.5	4.4	3.5	3.1	2.8	4.0
Above Normal (25%)	2.0	2.0	3.1	10.5	10.1	8.3	4.2	2.9	2.5	2.6	2.7	2.8
Below Normal (6%)	2.1	2.0	2.1	4.2	5.3	4.6	3.2	3.2	2.6	2.5	2.6	2.3
Dry (13%)	2.0	2.5	2.6	2.8	3.3	4.7	3.4	2.6	2.5	2.7	2.6	2.3
Critical (25%)	2.1	2.2	2.3	2.7	2.5	2.8	2.4	2.2	2.4	2.6	2.5	2.3

Alternative 8 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-0.3	-0.2	-1.0	-1.9	-1.6	-1.4	-1.0	0.2	-0.2	-1.5	-0.5	-1.2
20%	-0.5	-0.4	-0.4	-1.6	-1.8	-2.0	0.3	0.2	-0.2	-1.6	-0.5	-0.6
30%	-0.4	-0.6	-0.4	-1.3	-1.4	-1.3	0.0	0.2	-0.1	-1.5	-0.5	-0.8
40%	-0.4	-0.6	-0.2	-0.3	-1.0	-1.6	0.4	0.1	0.1	-1.3	-0.4	-0.1
50%	-0.4	-0.4	-0.3	-0.4	-0.3	-0.7	0.6	0.3	0.1	-1.1	-0.2	0.0
60%	-0.3	0.0	-0.3	-0.2	0.5	-0.3	0.5	0.3	0.2	-0.9	-0.1	0.1
70%	-0.3	0.0	-0.4	-0.5	0.2	0.1	0.3	0.4	0.2	-0.8	0.2	0.2
80%	-0.2	0.0	0.0	-0.5	0.0	0.3	0.3	0.5	0.4	-0.4	0.3	0.2
90%	0.0	0.1	0.1	-0.1	0.0	0.3	0.3	0.4	0.4	-0.2	0.3	0.2
Long Term												
Full Simulation Period[a]	-0.3	-0.3	-0.4	-0.7	-0.6	-0.7	0.0	0.3	0.1	-0.9	-0.1	-0.3
Water Year Types[b]												
Wet (31%)	-0.5	-0.4	-0.8	-1.4	-1.6	-1.6	-0.6	0.2	0.0	-0.9	-0.4	-1.0
Above Normal (25%)	-0.1	-0.2	-0.4	-1.2	-1.6	-1.8	-0.4	0.2	-0.1	-1.6	-0.5	-0.8
Below Normal (6%)	-0.6	-0.8	-0.5	-0.3	-0.2	-0.5	0.4	0.9	-0.2	-0.8	-0.2	-0.3
Dry (13%)	-0.3	-0.3	-0.2	-0.1	-0.2	-0.1	0.6	0.1	0.0	-1.2	-0.4	0.1
Critical (25%)	-0.2	0.0	-0.1	-0.5	0.2	0.0	0.2	0.4	0.4	-0.4	0.4	0.3

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-29-2-25. Sacramento River at Freeport, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.8	5.4	12.4	12.4	14.1	13.1	9.0	3.9	3.0	4.5	3.3	5.1
20%	2.7	4.2	3.8	10.8	13.3	11.3	4.3	2.9	2.8	4.5	3.2	4.3
30%	2.6	3.2	3.7	7.6	8.4	8.8	3.3	2.7	2.6	4.2	3.2	3.6
40%	2.5	2.8	3.2	4.5	5.5	6.3	2.8	2.4	2.5	4.1	3.1	2.5
50%	2.4	2.5	3.1	4.3	4.4	5.3	2.6	2.2	2.4	3.8	2.9	2.3
60%	2.4	2.1	2.7	3.6	3.1	4.4	2.5	2.1	2.3	3.6	2.8	2.2
70%	2.3	2.0	2.6	3.2	2.6	3.3	2.4	2.0	2.2	3.4	2.4	2.1
80%	2.1	1.9	2.0	2.7	2.4	2.5	2.3	1.8	2.1	3.0	2.2	2.0
90%	1.9	1.8	1.9	2.3	1.9	2.2	2.1	1.6	2.0	2.7	2.1	2.0
Long Term												
Full Simulation Period[a]	2.4	3.3	4.8	6.0	6.5	6.7	4.2	2.7	2.6	3.7	2.8	3.0
Water Year Types[b]												
Wet (31%)	2.8	5.8	10.9	9.8	12.5	12.0	8.0	4.2	3.5	4.0	3.2	5.0
Above Normal (25%)	2.1	2.2	3.5	11.8	11.8	10.1	4.6	2.7	2.6	4.3	3.2	3.6
Below Normal (6%)	2.7	2.8	2.6	4.5	5.5	5.1	2.8	2.2	2.8	3.3	2.8	2.5
Dry (13%)	2.3	2.8	2.9	3.0	3.4	4.9	2.8	2.5	2.4	4.0	3.0	2.2
Critical (25%)	2.3	2.2	2.4	3.2	2.3	2.8	2.3	1.8	2.0	3.1	2.2	2.0

Alternative 9 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3.1	5.6	12.2	11.9	14.0	13.1	8.6	4.1	3.3	4.2	3.4	5.5
20%	3.0	4.3	3.8	10.5	13.0	10.9	4.1	3.3	3.0	4.0	3.4	4.7
30%	2.8	3.4	3.6	7.0	7.8	8.0	3.3	3.0	2.9	3.9	3.4	3.8
40%	2.6	2.8	3.3	4.3	5.2	5.4	2.9	2.9	2.8	3.7	3.4	2.8
50%	2.4	2.5	3.1	4.1	4.2	4.9	2.8	2.7	2.8	3.6	3.2	2.5
60%	2.4	2.3	2.9	3.5	3.0	4.1	2.6	2.5	2.8	3.4	2.9	2.4
70%	2.3	2.2	2.8	2.9	2.7	3.2	2.6	2.4	2.6	3.3	2.8	2.3
80%	2.2	2.2	2.6	2.5	2.6	2.6	2.5	2.1	2.4	2.9	2.6	2.3
90%	2.0	2.0	2.4	2.4	2.2	2.4	2.4	2.0	2.4	2.7	2.4	2.3
Long Term												
Full Simulation Period[a]	2.6	3.4	4.9	5.8	6.4	6.5	4.2	3.1	2.9	3.6	3.0	3.3
Water Year Types[b]												
Wet (31%)	3.0	5.9	10.8	9.4	12.3	11.8	8.0	4.4	3.8	3.8	3.4	5.3
Above Normal (25%)	2.1	2.4	3.4	11.6	11.5	9.5	4.3	2.8	2.8	4.1	3.4	3.8
Below Normal (6%)	2.8	3.1	2.8	4.3	5.2	4.9	2.9	2.4	3.0	3.4	2.9	2.8
Dry (13%)	2.5	2.8	3.0	3.0	3.3	4.6	3.0	3.1	2.8	3.7	3.2	2.4
Critical (25%)	2.4	2.5	2.7	3.0	2.5	2.9	2.4	2.2	2.4	3.1	2.5	2.3

Alternative 9 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.3	0.2	-0.3	-0.5	-0.1	-0.1	-0.5	0.2	0.3	-0.4	0.1	0.4
20%	0.3	0.1	-0.1	-0.4	-0.3	-0.5	-0.2	0.4	0.2	-0.4	0.2	0.4
30%	0.2	0.2	-0.1	-0.6	-0.6	-0.8	0.0	0.3	0.2	-0.3	0.2	0.2
40%	0.2	0.0	0.1	-0.2	-0.3	-0.9	0.1	0.4	0.4	-0.3	0.2	0.3
50%	0.0	0.0	0.0	-0.2	-0.2	-0.4	0.3	0.5	0.4	-0.3	0.3	0.2
60%	0.0	0.2	0.2	-0.1	-0.1	-0.3	0.2	0.3	0.5	-0.2	0.2	0.2
70%	0.0	0.3	0.2	-0.3	0.1	-0.1	0.2	0.4	0.3	0.0	0.4	0.2
80%	0.1	0.3	0.5	-0.2	0.2	0.1	0.2	0.3	0.3	-0.1	0.3	0.3
90%	0.2	0.3	0.4	0.1	0.2	0.2	0.3	0.4	0.4	0.0	0.3	0.3
Long Term												
Full Simulation Period[a]	0.1	0.2	0.1	-0.2	-0.1	-0.2	0.1	0.3	0.3	-0.1	0.2	0.3
Water Year Types[b]												
Wet (31%)	0.2	0.1	-0.1	-0.4	-0.2	-0.2	-0.1	0.2	0.3	-0.2	0.2	0.4
Above Normal (25%)	0.0	0.2	-0.1	-0.2	-0.3	-0.6	-0.2	0.2	0.2	-0.1	0.2	0.2
Below Normal (6%)	0.1	0.3	0.2	-0.2	-0.3	-0.2	0.1	0.2	0.2	0.1	0.2	0.3
Dry (13%)	0.1	0.0	0.1	0.0	-0.1	-0.3	0.2	0.6	0.4	-0.3	0.1	0.2
Critical (25%)	0.1	0.3	0.3	-0.2	0.2	0.0	0.2	0.4	0.4	0.0	0.3	0.3

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

C.30. Sacramento River downstream of North Delta Diversion Surface Elevation

Table C-30-1-1. Sacramento River d/s of North Delta Diversion, Monthly Averaged Daily Maximum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3.9	6.2	9.6	9.1	10.8	10.1	7.2	4.8	4.1	4.5	4.2	4.2
20%	3.4	5.3	4.5	7.9	10.0	8.4	4.2	3.7	3.7	4.3	4.0	3.7
30%	3.4	3.6	4.2	6.2	6.5	6.9	3.8	3.6	3.7	4.2	3.9	3.6
40%	3.3	3.5	4.0	4.7	5.5	5.4	3.5	3.6	3.6	4.2	3.8	3.6
50%	3.3	3.4	3.8	4.6	4.5	5.0	3.4	3.5	3.6	4.2	3.8	3.5
60%	3.3	3.4	3.7	4.1	3.7	4.7	3.4	3.3	3.6	4.1	3.8	3.5
70%	3.2	3.3	3.7	3.7	3.6	3.8	3.3	3.2	3.5	4.1	3.7	3.4
80%	3.1	3.1	3.5	3.5	3.5	3.4	3.1	3.2	3.4	4.0	3.7	3.4
90%	3.1	3.0	3.2	3.3	3.1	3.1	3.0	2.9	3.3	3.9	3.6	3.3
Long Term												
Full Simulation Period[a]	3.4	4.1	5.0	5.5	5.9	5.9	4.3	3.8	3.9	4.2	3.9	3.6
Water Year Types[b]												
Wet (31%)	3.8	6.1	8.7	7.6	9.6	9.5	6.7	5.3	5.0	4.6	4.1	4.3
Above Normal (25%)	3.1	3.3	4.0	9.1	8.8	7.6	4.5	3.8	3.6	4.0	3.8	3.5
Below Normal (6%)	3.4	3.3	3.2	4.7	5.7	4.9	3.4	3.5	3.5	4.0	3.7	3.4
Dry (13%)	3.3	3.7	3.8	3.9	3.9	4.8	3.5	3.4	3.7	4.2	4.0	3.5
Critical (25%)	3.3	3.4	3.6	3.8	3.4	3.4	3.1	3.0	3.4	4.0	3.6	3.3

No Action Alternative (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	5.0	6.5	10.5	10.4	11.6	10.8	8.1	5.7	5.4	6.0	5.6	6.2
20%	4.9	5.7	5.6	9.5	10.9	9.6	5.6	5.1	5.3	5.9	5.4	5.7
30%	4.8	5.2	5.6	7.5	7.9	7.9	5.1	5.0	5.2	5.8	5.4	5.3
40%	4.8	5.0	5.4	6.0	6.4	6.3	4.9	4.9	5.1	5.7	5.3	5.0
50%	4.8	4.9	5.2	5.9	5.7	6.0	4.8	4.7	5.0	5.7	5.3	5.0
60%	4.8	4.8	5.1	5.4	5.1	5.6	4.7	4.7	5.0	5.7	5.2	4.9
70%	4.7	4.7	4.9	5.3	4.9	5.0	4.7	4.7	5.0	5.7	5.1	4.9
80%	4.6	4.7	4.9	5.1	4.9	4.7	4.6	4.7	4.9	5.4	5.1	4.9
90%	4.6	4.5	4.8	4.7	4.6	4.5	4.5	4.5	4.9	5.3	5.0	4.7
Long Term												
Full Simulation Period[a]	4.8	5.3	6.3	6.8	7.1	6.9	5.6	5.0	5.2	5.7	5.3	5.2
Water Year Types[b]												
Wet (31%)	5.1	6.7	9.7	8.9	10.6	10.1	7.9	5.8	5.6	5.9	5.6	6.1
Above Normal (25%)	4.6	4.7	5.4	10.1	10.1	8.7	5.6	5.0	5.0	5.7	5.3	5.3
Below Normal (6%)	4.8	5.0	4.9	6.0	6.4	5.9	4.8	4.7	5.0	5.3	5.1	4.9
Dry (13%)	4.8	5.0	5.2	5.2	5.2	5.9	4.8	4.9	5.1	5.8	5.4	4.9
Critical (25%)	4.8	4.8	5.0	5.2	4.7	4.8	4.6	4.6	4.9	5.4	5.0	4.8

No Action Alternative (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.2	0.2	0.8	1.3	0.8	0.7	1.0	0.9	1.3	1.4	1.4	2.0
20%	1.5	0.4	1.2	1.7	0.9	1.2	1.4	1.5	1.5	1.6	1.4	2.0
30%	1.4	1.6	1.3	1.2	1.3	1.0	1.3	1.4	1.4	1.6	1.5	1.6
40%	1.5	1.5	1.4	1.3	0.8	0.9	1.4	1.3	1.5	1.5	1.5	1.4
50%	1.5	1.5	1.4	1.3	1.2	1.1	1.4	1.2	1.4	1.5	1.5	1.4
60%	1.5	1.4	1.4	1.3	1.4	0.8	1.3	1.4	1.5	1.5	1.5	1.4
70%	1.5	1.5	1.3	1.5	1.3	1.2	1.4	1.4	1.5	1.6	1.4	1.5
80%	1.5	1.6	1.4	1.7	1.4	1.3	1.5	1.5	1.5	1.4	1.4	1.5
90%	1.5	1.5	1.6	1.5	1.4	1.4	1.4	1.5	1.5	1.4	1.4	1.4
Long Term												
Full Simulation Period[a]	1.4	1.2	1.3	1.3	1.2	1.0	1.3	1.2	1.3	1.5	1.4	1.6
Water Year Types[b]												
Wet (31%)	1.3	0.7	1.0	1.3	0.9	0.6	1.1	0.5	0.6	1.3	1.5	1.8
Above Normal (25%)	1.5	1.4	1.4	1.0	1.3	1.1	1.0	1.2	1.4	1.7	1.6	1.8
Below Normal (6%)	1.5	1.7	1.7	1.3	0.6	0.9	1.4	1.1	1.5	1.3	1.4	1.5
Dry (13%)	1.5	1.3	1.3	1.4	1.3	1.1	1.4	1.5	1.4	1.5	1.4	1.3
Critical (25%)	1.5	1.5	1.4	1.5	1.4	1.3	1.5	1.6	1.5	1.4	1.4	1.5

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

Table C-30-1-2. Sacramento River d/s of North Delta Diversion, Monthly Averaged Daily Maximum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3.9	6.2	9.6	9.1	10.8	10.1	7.2	4.8	4.1	4.5	4.2	4.2
20%	3.4	5.3	4.5	7.9	10.0	8.4	4.2	3.7	3.7	4.3	4.0	3.7
30%	3.4	3.6	4.2	6.2	6.5	6.9	3.8	3.6	3.7	4.2	3.9	3.6
40%	3.3	3.5	4.0	4.7	5.5	5.4	3.5	3.6	3.6	4.2	3.8	3.6
50%	3.3	3.4	3.8	4.6	4.5	5.0	3.4	3.5	3.6	4.2	3.8	3.5
60%	3.3	3.4	3.7	4.1	3.7	4.7	3.4	3.3	3.6	4.1	3.8	3.5
70%	3.2	3.3	3.7	3.7	3.6	3.8	3.3	3.2	3.5	4.1	3.7	3.4
80%	3.1	3.1	3.5	3.5	3.5	3.4	3.1	3.2	3.4	4.0	3.7	3.4
90%	3.1	3.0	3.2	3.3	3.1	3.1	3.0	2.9	3.3	3.9	3.6	3.3
Long Term												
Full Simulation Period[a]	3.4	4.1	5.0	5.5	5.9	5.9	4.3	3.8	3.9	4.2	3.9	3.6
Water Year Types[b]												
Wet (31%)	3.8	6.1	8.7	7.6	9.6	9.5	6.7	5.3	5.0	4.6	4.1	4.3
Above Normal (25%)	3.1	3.3	4.0	9.1	8.8	7.6	4.5	3.8	3.6	4.0	3.8	3.5
Below Normal (6%)	3.4	3.3	3.2	4.7	5.7	4.9	3.4	3.5	3.5	4.0	3.7	3.4
Dry (13%)	3.3	3.7	3.8	3.9	3.9	4.8	3.5	3.4	3.7	4.2	4.0	3.5
Critical (25%)	3.3	3.4	3.6	3.8	3.4	3.4	3.1	3.0	3.4	4.0	3.6	3.3

Alternative 1A,1B,1C (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.9	5.8	9.2	8.8	10.4	9.8	7.0	4.9	4.8	5.2	4.9	4.7
20%	4.7	5.2	5.0	7.8	9.7	8.4	4.7	4.6	4.7	5.0	4.7	4.6
30%	4.6	4.6	5.0	6.6	6.2	6.8	4.6	4.4	4.6	5.0	4.7	4.5
40%	4.5	4.3	4.9	5.3	5.2	5.1	4.3	4.3	4.5	4.9	4.7	4.4
50%	4.4	4.3	4.7	5.1	4.9	4.8	4.3	4.3	4.4	4.8	4.6	4.4
60%	4.2	4.3	4.6	4.8	4.5	4.7	4.2	4.3	4.4	4.8	4.5	4.4
70%	4.2	4.2	4.5	4.6	4.4	4.4	4.2	4.2	4.4	4.6	4.5	4.4
80%	4.2	4.1	4.4	4.4	4.4	4.2	4.2	4.2	4.3	4.5	4.4	4.3
90%	4.1	4.0	4.3	4.3	4.2	4.1	4.0	4.1	4.3	4.4	4.3	4.2
Long Term												
Full Simulation Period[a]	4.4	4.8	5.6	5.9	6.3	6.1	5.0	4.5	4.5	4.8	4.6	4.5
Water Year Types[b]												
Wet (31%)	4.5	6.2	8.7	7.7	9.3	9.1	7.1	5.0	4.9	5.0	4.8	4.8
Above Normal (25%)	4.3	4.1	4.9	8.6	8.8	7.6	4.6	4.4	4.4	4.8	4.5	4.3
Below Normal (6%)	4.8	4.3	4.3	5.3	5.2	4.7	4.2	4.2	4.3	4.3	4.4	4.3
Dry (13%)	4.2	4.4	4.7	4.7	4.6	5.1	4.3	4.5	4.6	5.0	4.7	4.4
Critical (25%)	4.5	4.2	4.5	4.5	4.3	4.2	4.1	4.1	4.3	4.6	4.4	4.3

Alternative 1A,1B,1C (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.0	**-0.5**	**-0.5**	**-0.3**	**-0.4**	**-0.3**	**-0.2**	0.1	0.7	0.7	0.7	0.6
20%	1.2	**-0.1**	0.6	**0.0**	**-0.3**	**0.0**	0.5	0.9	0.9	0.7	0.7	0.9
30%	1.2	1.0	0.7	0.4	**-0.3**	**-0.2**	0.7	0.8	0.9	0.7	0.8	0.9
40%	1.2	0.8	0.9	0.6	**-0.3**	**-0.4**	0.9	0.8	0.9	0.7	0.8	0.9
50%	1.1	0.9	0.9	0.5	0.5	**-0.2**	0.9	0.8	0.9	0.7	0.8	0.9
60%	1.0	0.9	0.9	0.7	0.8	**0.0**	0.8	1.0	0.8	0.7	0.7	0.9
70%	1.0	0.9	0.8	0.8	0.9	0.6	0.9	1.0	0.9	0.5	0.8	1.0
80%	1.1	1.0	0.8	0.9	0.9	0.8	1.0	1.0	0.9	0.6	0.7	0.9
90%	1.0	1.0	1.1	1.0	1.1	1.0	1.0	1.1	1.0	0.5	0.8	1.0
Long Term												
Full Simulation Period[a]	1.0	0.6	0.7	0.5	0.4	0.2	0.7	0.7	0.7	0.6	0.7	0.8
Water Year Types[b]												
Wet (31%)	0.7	0.2	0.0	0.1	**-0.3**	**-0.4**	0.4	**-0.2**	**-0.1**	0.5	0.7	0.5
Above Normal (25%)	1.2	0.8	0.9	**-0.5**	0.0	**0.0**	0.1	0.6	0.8	0.8	0.8	0.8
Below Normal (6%)	1.4	1.0	1.1	0.6	**-0.5**	**-0.2**	0.8	0.6	0.8	0.3	0.6	0.9
Dry (13%)	0.9	0.7	0.8	0.9	0.7	0.2	0.8	1.0	0.9	0.8	0.7	0.9
Critical (25%)	1.2	0.9	0.9	0.8	0.9	0.7	1.0	1.1	0.9	0.6	0.8	1.0

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-30-1-3. Sacramento River d/s of North Delta Diversion, Monthly Averaged Daily Maximum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3.9	6.2	9.6	9.1	10.8	10.1	7.2	4.8	4.1	4.5	4.2	4.2
20%	3.4	5.3	4.5	7.9	10.0	8.4	4.2	3.7	3.7	4.3	4.0	3.7
30%	3.4	3.6	4.2	6.2	6.5	6.9	3.8	3.6	3.7	4.2	3.9	3.6
40%	3.3	3.5	4.0	4.7	5.5	5.4	3.5	3.6	3.6	4.2	3.8	3.6
50%	3.3	3.4	3.8	4.6	4.5	5.0	3.4	3.5	3.6	4.2	3.8	3.5
60%	3.3	3.4	3.7	4.1	3.7	4.7	3.4	3.3	3.6	4.1	3.8	3.5
70%	3.2	3.3	3.7	3.7	3.6	3.8	3.3	3.2	3.5	4.1	3.7	3.4
80%	3.1	3.1	3.5	3.5	3.5	3.4	3.1	3.2	3.4	4.0	3.7	3.4
90%	3.1	3.0	3.2	3.3	3.1	3.1	3.0	2.9	3.3	3.9	3.6	3.3
Long Term												
Full Simulation Period[a]	3.4	4.1	5.0	5.5	5.9	5.9	4.3	3.8	3.9	4.2	3.9	3.6
Water Year Types[b]												
Wet (31%)	3.8	6.1	8.7	7.6	9.6	9.5	6.7	5.3	5.0	4.6	4.1	4.3
Above Normal (25%)	3.1	3.3	4.0	9.1	8.8	7.6	4.5	3.8	3.6	4.0	3.8	3.5
Below Normal (6%)	3.4	3.3	3.2	4.7	5.7	4.9	3.4	3.5	3.5	4.0	3.7	3.4
Dry (13%)	3.3	3.7	3.8	3.9	3.9	4.8	3.5	3.4	3.7	4.2	4.0	3.5
Critical (25%)	3.3	3.4	3.6	3.8	3.4	3.4	3.1	3.0	3.4	4.0	3.6	3.3

Alternative 2A,2B,2C (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.5	5.7	9.0	8.7	10.3	9.6	7.0	4.9	4.9	5.2	4.8	5.4
20%	4.5	5.2	5.0	7.9	9.7	8.4	4.8	4.7	4.7	5.1	4.7	5.1
30%	4.4	4.4	4.9	6.5	6.2	6.4	4.5	4.4	4.6	5.0	4.7	4.6
40%	4.4	4.3	4.8	5.1	5.2	5.1	4.3	4.4	4.5	5.0	4.7	4.5
50%	4.3	4.3	4.7	5.0	4.9	4.8	4.2	4.3	4.5	4.9	4.6	4.4
60%	4.3	4.3	4.7	4.8	4.5	4.7	4.2	4.2	4.4	4.8	4.6	4.4
70%	4.2	4.2	4.4	4.6	4.4	4.3	4.2	4.2	4.4	4.7	4.5	4.4
80%	4.1	4.1	4.3	4.6	4.3	4.2	4.1	4.2	4.4	4.6	4.4	4.3
90%	4.1	4.0	4.3	4.3	4.1	4.1	4.0	4.0	4.3	4.4	4.4	4.2
Long Term												
Full Simulation Period[a]	4.3	4.7	5.6	5.9	6.2	6.0	5.0	4.5	4.6	4.9	4.6	4.6
Water Year Types[b]												
Wet (31%)	4.5	6.0	8.6	7.7	9.3	9.0	7.1	5.0	5.0	5.1	4.8	5.3
Above Normal (25%)	4.2	4.1	4.8	8.4	8.6	7.6	4.6	4.4	4.4	4.9	4.6	4.5
Below Normal (6%)	4.2	4.2	4.3	5.3	5.2	4.8	4.2	4.2	4.4	4.4	4.3	4.2
Dry (13%)	4.2	4.4	4.6	4.6	4.6	4.8	4.3	4.5	4.6	5.0	4.6	4.4
Critical (25%)	4.3	4.3	4.5	4.6	4.2	4.2	4.1	4.1	4.3	4.7	4.4	4.3

Alternative 2A,2B,2C (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.6	**-0.6**	**-0.7**	**-0.4**	**-0.6**	**-0.5**	**-0.2**	0.1	0.8	0.7	0.6	1.2
20%	1.0	**0.0**	0.5	0.0	**-0.3**	**0.0**	0.5	1.1	0.9	0.8	0.6	1.4
30%	1.0	0.8	0.7	0.3	**-0.4**	**-0.5**	0.7	0.8	0.9	0.8	0.8	0.9
40%	1.0	0.8	0.9	0.4	**-0.3**	**-0.3**	0.8	0.8	0.9	0.8	0.8	0.9
50%	1.0	0.9	0.9	0.4	0.4	**-0.1**	0.8	0.8	0.9	0.7	0.8	0.9
60%	1.0	0.9	1.0	0.7	0.8	**0.0**	0.8	1.0	0.8	0.7	0.8	0.9
70%	1.0	1.0	0.8	0.9	0.8	0.5	0.8	1.0	0.9	0.6	0.7	1.0
80%	1.0	1.0	0.8	1.1	0.8	0.8	1.0	1.0	1.0	0.6	0.7	1.0
90%	1.0	1.0	1.1	1.0	1.0	1.0	1.0	1.1	0.9	0.5	0.8	0.9
Long Term												
Full Simulation Period[a]	0.9	0.6	0.6	0.4	0.3	0.1	0.6	0.7	0.7	0.6	0.7	1.0
Water Year Types[b]												
Wet (31%)	0.7	**-0.1**	**-0.1**	0.1	**-0.3**	**-0.5**	0.3	**-0.3**	**0.0**	0.5	0.7	1.0
Above Normal (25%)	1.1	0.8	0.8	**-0.8**	**-0.2**	**0.0**	0.0	0.6	0.8	1.0	0.8	1.0
Below Normal (6%)	0.8	1.0	1.1	0.6	**-0.5**	**-0.1**	0.8	0.6	0.9	0.4	0.6	0.8
Dry (13%)	1.0	0.7	0.8	0.7	0.7	0.0	0.8	1.0	0.9	0.7	0.6	0.9
Critical (25%)	1.0	0.9	0.9	0.9	0.9	0.8	1.0	1.1	0.9	0.6	0.8	1.0

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-30-1-4. Sacramento River d/s of North Delta Diversion, Monthly Averaged Daily Maximum Elevation

Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3.9	6.2	9.6	9.1	10.8	10.1	7.2	4.8	4.1	4.5	4.2	4.2
20%	3.4	5.3	4.5	7.9	10.0	8.4	4.2	3.7	3.7	4.3	4.0	3.7
30%	3.4	3.6	4.2	6.2	6.5	6.9	3.8	3.6	3.7	4.2	3.9	3.6
40%	3.3	3.5	4.0	4.7	5.5	5.4	3.5	3.6	3.6	4.2	3.8	3.6
50%	3.3	3.4	3.8	4.6	4.5	5.0	3.4	3.5	3.6	4.2	3.8	3.5
60%	3.3	3.4	3.7	4.1	3.7	4.7	3.4	3.3	3.6	4.1	3.8	3.5
70%	3.2	3.3	3.7	3.7	3.6	3.8	3.3	3.2	3.5	4.1	3.7	3.4
80%	3.1	3.1	3.5	3.5	3.5	3.4	3.1	3.2	3.4	4.0	3.7	3.4
90%	3.1	3.0	3.2	3.3	3.1	3.1	3.0	2.9	3.3	3.9	3.6	3.3
Long Term												
Full Simulation Period[a]	3.4	4.1	5.0	5.5	5.9	5.9	4.3	3.8	3.9	4.2	3.9	3.6
Water Year Types[b]												
Wet (31%)	3.8	6.1	8.7	7.6	9.6	9.5	6.7	5.3	5.0	4.6	4.1	4.3
Above Normal (25%)	3.1	3.3	4.0	9.1	8.8	7.6	4.5	3.8	3.6	4.0	3.8	3.5
Below Normal (6%)	3.4	3.3	3.2	4.7	5.7	4.9	3.4	3.5	3.5	4.0	3.7	3.4
Dry (13%)	3.3	3.7	3.8	3.9	3.9	4.8	3.5	3.4	3.7	4.2	4.0	3.5
Critical (25%)	3.3	3.4	3.6	3.8	3.4	3.4	3.1	3.0	3.4	4.0	3.6	3.3

Alternative 3 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.9	5.9	9.6	9.0	10.5	9.6	7.0	5.0	4.9	5.1	4.8	4.7
20%	4.8	5.2	5.0	8.3	9.6	8.3	4.8	4.7	4.7	5.0	4.7	4.5
30%	4.6	4.3	5.0	6.4	6.6	6.7	4.5	4.4	4.6	5.0	4.7	4.5
40%	4.5	4.3	4.9	5.3	5.3	5.2	4.3	4.4	4.5	4.9	4.7	4.4
50%	4.3	4.3	4.7	5.0	4.9	4.9	4.2	4.3	4.4	4.8	4.6	4.4
60%	4.2	4.2	4.6	4.7	4.5	4.7	4.2	4.3	4.4	4.8	4.5	4.4
70%	4.2	4.2	4.4	4.6	4.4	4.5	4.2	4.2	4.4	4.7	4.5	4.4
80%	4.2	4.1	4.4	4.5	4.4	4.2	4.2	4.2	4.3	4.5	4.4	4.3
90%	4.1	4.0	4.2	4.3	4.1	4.1	4.0	4.1	4.3	4.4	4.3	4.2
Long Term												
Full Simulation Period[a]	4.4	4.7	5.7	5.9	6.3	6.1	5.0	4.5	4.6	4.8	4.6	4.5
Water Year Types[b]												
Wet (31%)	4.5	6.1	8.9	7.6	9.4	8.9	7.1	5.1	5.0	5.0	4.8	4.8
Above Normal (25%)	4.4	4.1	4.8	8.8	8.9	7.4	4.7	4.4	4.4	4.8	4.5	4.3
Below Normal (6%)	4.5	4.2	4.3	5.3	5.3	4.9	4.2	4.2	4.3	4.2	4.4	4.3
Dry (13%)	4.2	4.4	4.6	4.7	4.6	5.1	4.3	4.5	4.6	5.0	4.6	4.4
Critical (25%)	4.6	4.2	4.5	4.6	4.3	4.2	4.1	4.1	4.3	4.6	4.4	4.4

Alternative 3 (LLT) minus Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.0	**-0.3**	**0.0**	**-0.1**	**-0.3**	**-0.5**	**-0.2**	0.2	0.8	0.6	0.6	0.6
20%	1.4	**-0.1**	0.5	0.4	**-0.3**	**-0.1**	0.5	1.0	0.9	0.7	0.7	0.8
30%	1.1	0.7	0.7	0.2	0.1	**-0.2**	0.7	0.8	0.8	0.7	0.8	0.9
40%	1.2	0.8	0.9	0.5	**-0.2**	**-0.2**	0.8	0.8	0.9	0.7	0.8	0.9
50%	1.0	0.8	0.8	0.4	0.4	**-0.1**	0.8	0.8	0.9	0.7	0.8	0.9
60%	1.0	0.9	0.9	0.6	0.8	**0.0**	0.8	1.0	0.8	0.6	0.7	0.9
70%	1.0	1.0	0.8	0.8	0.8	0.7	0.9	1.0	0.9	0.6	0.8	1.0
80%	1.1	1.0	0.8	1.0	0.9	0.8	1.0	1.0	0.9	0.6	0.7	0.9
90%	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	0.9	0.6	0.8	0.9
Long Term												
Full Simulation Period[a]	1.1	0.6	0.7	0.5	0.4	0.1	0.7	0.7	0.7	0.6	0.7	0.8
Water Year Types[b]												
Wet (31%)	0.7	0.1	0.2	0.1	**-0.2**	**-0.5**	0.3	**-0.2**	**0.0**	0.5	0.7	0.5
Above Normal (25%)	1.3	0.9	0.8	**-0.3**	0.1	**-0.2**	0.1	0.6	0.8	0.8	0.8	0.8
Below Normal (6%)	1.2	1.0	1.1	0.6	**-0.4**	**-0.1**	0.8	0.6	0.8	0.3	0.6	0.9
Dry (13%)	0.9	0.7	0.8	0.8	0.7	0.3	0.8	1.0	0.9	0.8	0.6	0.9
Critical (25%)	1.3	0.9	0.8	0.8	0.9	0.8	1.0	1.1	1.0	0.6	0.8	1.0

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-30-1-5. Sacramento River d/s of North Delta Diversion, Monthly Averaged Daily Maximum Elevation

Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3.9	6.2	9.6	9.1	10.8	10.1	7.2	4.8	4.1	4.5	4.2	4.2
20%	3.4	5.3	4.5	7.9	10.0	8.4	4.2	3.7	3.7	4.3	4.0	3.7
30%	3.4	3.6	4.2	6.2	6.5	6.9	3.8	3.6	3.7	4.2	3.9	3.6
40%	3.3	3.5	4.0	4.7	5.5	5.4	3.5	3.6	3.6	4.2	3.8	3.6
50%	3.3	3.4	3.8	4.6	4.5	5.0	3.4	3.5	3.6	4.2	3.8	3.5
60%	3.3	3.4	3.7	4.1	3.7	4.7	3.4	3.3	3.6	4.1	3.8	3.5
70%	3.2	3.3	3.7	3.7	3.6	3.8	3.3	3.2	3.5	4.1	3.7	3.4
80%	3.1	3.1	3.5	3.5	3.5	3.4	3.1	3.2	3.4	4.0	3.7	3.4
90%	3.1	3.0	3.2	3.3	3.1	3.1	3.0	2.9	3.3	3.9	3.6	3.3
Long Term												
Full Simulation Period[a]	3.4	4.1	5.0	5.5	5.9	5.9	4.3	3.8	3.9	4.2	3.9	3.6
Water Year Types[b]												
Wet (31%)	3.8	6.1	8.7	7.6	9.6	9.5	6.7	5.3	5.0	4.6	4.1	4.3
Above Normal (25%)	3.1	3.3	4.0	9.1	8.8	7.6	4.5	3.8	3.6	4.0	3.8	3.5
Below Normal (6%)	3.4	3.3	3.2	4.7	5.7	4.9	3.4	3.5	3.5	4.0	3.7	3.4
Dry (13%)	3.3	3.7	3.8	3.9	3.9	4.8	3.5	3.4	3.7	4.2	4.0	3.5
Critical (25%)	3.3	3.4	3.6	3.8	3.4	3.4	3.1	3.0	3.4	4.0	3.6	3.3

Alternative 4 H1 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.6	5.9	9.4	8.8	10.5	9.3	6.9	4.9	4.8	5.2	4.9	4.7
20%	4.4	5.2	5.1	8.0	9.3	8.0	4.7	4.6	4.7	5.2	4.8	4.7
30%	4.4	4.3	5.0	6.3	6.4	6.7	4.5	4.4	4.6	5.1	4.7	4.5
40%	4.4	4.3	4.8	5.0	5.2	5.1	4.3	4.4	4.5	5.0	4.7	4.4
50%	4.3	4.3	4.7	5.0	4.8	4.8	4.2	4.3	4.4	4.9	4.6	4.4
60%	4.3	4.3	4.7	4.9	4.5	4.7	4.2	4.2	4.4	4.8	4.6	4.4
70%	4.2	4.2	4.5	4.7	4.4	4.4	4.2	4.2	4.4	4.7	4.5	4.4
80%	4.1	4.0	4.3	4.7	4.3	4.2	4.1	4.2	4.3	4.6	4.4	4.3
90%	4.1	4.0	4.2	4.4	4.2	4.1	4.0	4.1	4.3	4.4	4.4	4.3
Long Term												
Full Simulation Period[a]	4.3	4.7	5.6	5.9	6.2	6.0	4.9	4.5	4.5	4.9	4.6	4.5
Water Year Types[b]												
Wet (31%)	4.5	6.1	8.7	7.5	9.3	8.8	6.9	5.0	4.9	5.1	4.8	4.8
Above Normal (25%)	4.1	4.1	4.8	8.7	8.9	7.3	4.6	4.4	4.4	5.0	4.6	4.3
Below Normal (6%)	4.4	4.3	4.3	5.3	5.2	4.8	4.2	4.2	4.4	4.4	4.4	4.3
Dry (13%)	4.2	4.4	4.6	4.6	4.5	5.1	4.3	4.5	4.6	5.0	4.7	4.4
Critical (25%)	4.3	4.2	4.5	4.7	4.3	4.2	4.1	4.1	4.3	4.6	4.4	4.3

Alternative 4 H1 (LLT) minus Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.7	**-0.3**	**-0.2**	**-0.3**	**-0.3**	**-0.8**	**-0.3**	0.1	0.7	0.7	0.7	0.6
20%	1.0	**-0.1**	0.6	0.2	**-0.6**	**-0.3**	0.5	1.0	1.0	0.9	0.7	1.0
30%	1.0	0.7	0.7	0.1	**-0.1**	**-0.2**	0.7	0.8	0.9	0.8	0.8	0.9
40%	1.1	0.8	0.9	0.3	**-0.4**	**-0.3**	0.8	0.8	0.9	0.8	0.8	0.9
50%	1.0	0.9	0.9	0.4	0.3	**-0.2**	0.8	0.8	0.9	0.7	0.8	0.9
60%	1.0	0.9	1.0	0.8	0.8	**-0.1**	0.8	1.0	0.8	0.6	0.8	0.9
70%	1.0	1.0	0.8	1.0	0.8	0.5	0.8	1.0	0.9	0.6	0.8	1.0
80%	1.0	0.9	0.8	1.3	0.8	0.8	1.0	1.0	0.9	0.6	0.7	0.9
90%	1.0	1.0	1.0	1.1	1.0	1.0	1.0	1.1	1.0	0.5	0.8	1.0
Long Term												
Full Simulation Period[a]	0.9	0.6	0.7	0.4	0.3	0.1	0.6	0.6	0.7	0.7	0.8	0.8
Water Year Types[b]												
Wet (31%)	0.7	**0.0**	0.1	**-0.1**	**-0.3**	**-0.6**	0.2	**-0.3**	**-0.1**	0.6	0.7	0.5
Above Normal (25%)	1.1	0.8	0.8	**-0.4**	0.1	**-0.3**	0.0	0.6	0.8	1.0	0.8	0.8
Below Normal (6%)	1.0	1.0	1.1	0.6	**-0.5**	**-0.1**	0.8	0.6	0.9	0.4	0.6	0.9
Dry (13%)	1.0	0.7	0.8	0.8	0.7	0.2	0.8	1.0	0.9	0.8	0.7	0.9
Critical (25%)	1.0	0.9	0.9	0.9	0.9	0.7	1.0	1.1	1.0	0.6	0.8	1.0

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-30-1-6. Sacramento River d/s of North Delta Diversion, Monthly Averaged Daily Maximum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3.9	6.2	9.6	9.1	10.8	10.1	7.2	4.8	4.1	4.5	4.2	4.2
20%	3.4	5.3	4.5	7.9	10.0	8.4	4.2	3.7	3.7	4.3	4.0	3.7
30%	3.4	3.6	4.2	6.2	6.5	6.9	3.8	3.6	3.7	4.2	3.9	3.6
40%	3.3	3.5	4.0	4.7	5.5	5.4	3.5	3.6	3.6	4.2	3.8	3.6
50%	3.3	3.4	3.8	4.6	4.5	5.0	3.4	3.5	3.6	4.2	3.8	3.5
60%	3.3	3.4	3.7	4.1	3.7	4.7	3.4	3.3	3.6	4.1	3.8	3.5
70%	3.2	3.3	3.7	3.7	3.6	3.8	3.3	3.2	3.5	4.1	3.7	3.4
80%	3.1	3.1	3.5	3.5	3.5	3.4	3.1	3.2	3.4	4.0	3.7	3.4
90%	3.1	3.0	3.2	3.3	3.1	3.1	3.0	2.9	3.3	3.9	3.6	3.3
Long Term												
Full Simulation Period[a]	3.4	4.1	5.0	5.5	5.9	5.9	4.3	3.8	3.9	4.2	3.9	3.6
Water Year Types[b]												
Wet (31%)	3.8	6.1	8.7	7.6	9.6	9.5	6.7	5.3	5.0	4.6	4.1	4.3
Above Normal (25%)	3.1	3.3	4.0	9.1	8.8	7.6	4.5	3.8	3.6	4.0	3.8	3.5
Below Normal (6%)	3.4	3.3	3.2	4.7	5.7	4.9	3.4	3.5	3.5	4.0	3.7	3.4
Dry (13%)	3.3	3.7	3.8	3.9	3.9	4.8	3.5	3.4	3.7	4.2	4.0	3.5
Critical (25%)	3.3	3.4	3.6	3.8	3.4	3.4	3.1	3.0	3.4	4.0	3.6	3.3

Alternative 4 H2 (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.6	6.0	9.5	8.8	10.5	9.3	7.0	4.9	4.7	5.1	4.8	4.7
20%	4.5	5.3	5.1	8.0	9.3	8.1	5.0	4.7	4.7	5.0	4.7	4.5
30%	4.5	4.4	5.0	6.3	6.5	6.9	4.9	4.6	4.6	4.9	4.7	4.5
40%	4.3	4.3	4.8	5.0	5.2	5.1	4.6	4.4	4.5	4.8	4.6	4.4
50%	4.2	4.3	4.7	5.0	4.8	4.9	4.3	4.4	4.4	4.7	4.6	4.4
60%	4.2	4.3	4.5	4.7	4.5	4.7	4.2	4.3	4.4	4.7	4.6	4.4
70%	4.2	4.2	4.4	4.7	4.4	4.4	4.2	4.2	4.3	4.7	4.5	4.4
80%	4.1	4.1	4.2	4.6	4.3	4.2	4.1	4.2	4.3	4.5	4.4	4.3
90%	4.1	4.0	4.2	4.5	4.1	4.1	4.0	4.1	4.3	4.4	4.4	4.2
Long Term												
Full Simulation Period[a]	4.3	4.7	5.6	5.9	6.2	6.0	5.1	4.5	4.5	4.8	4.6	4.5
Water Year Types[b]												
Wet (31%)	4.5	6.1	8.8	7.5	9.2	8.8	7.3	5.1	4.8	5.0	4.8	4.8
Above Normal (25%)	4.2	4.1	4.9	8.8	8.9	7.4	5.1	4.5	4.3	4.6	4.6	4.3
Below Normal (6%)	4.2	4.2	4.2	5.3	5.3	4.9	4.2	4.2	4.4	4.4	4.4	4.3
Dry (13%)	4.2	4.4	4.6	4.6	4.5	5.1	4.3	4.4	4.5	4.9	4.6	4.4
Critical (25%)	4.4	4.2	4.5	4.7	4.3	4.2	4.1	4.1	4.3	4.6	4.4	4.4

Alternative 4 H2 (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.8	**-0.3**	**-0.1**	**-0.3**	**-0.3**	**-0.8**	**-0.2**	0.1	0.7	0.6	0.6	0.6
20%	1.1	0.0	0.6	0.1	**-0.6**	**-0.3**	0.7	1.0	0.9	0.7	0.6	0.9
30%	1.1	0.8	0.8	0.1	**0.0**	0.0	1.0	0.9	0.8	0.6	0.8	0.9
40%	1.0	0.8	0.8	0.3	**-0.4**	**-0.3**	1.2	0.8	0.9	0.6	0.8	0.9
50%	0.9	0.9	0.9	0.4	0.3	**-0.1**	0.9	0.9	0.8	0.5	0.8	0.9
60%	1.0	0.9	0.8	0.6	0.8	**-0.1**	0.8	1.0	0.8	0.6	0.8	0.9
70%	1.0	1.0	0.8	0.9	0.8	0.5	0.9	0.9	0.9	0.5	0.8	1.0
80%	1.0	1.0	0.7	1.2	0.8	0.8	1.0	1.0	0.9	0.6	0.7	0.9
90%	1.0	1.0	1.0	1.2	1.0	1.0	1.0	1.1	0.9	0.6	0.8	1.0
Long Term												
Full Simulation Period[a]	1.0	0.6	0.7	0.4	0.3	0.1	0.7	0.7	0.6	0.6	0.8	0.8
Water Year Types[b]												
Wet (31%)	0.7	0.0	0.1	**-0.1**	**-0.4**	**-0.6**	0.5	**-0.2**	**-0.1**	0.4	0.7	0.5
Above Normal (25%)	1.1	0.8	0.9	**-0.3**	0.1	**-0.2**	0.6	0.7	0.7	0.6	0.8	0.8
Below Normal (6%)	0.8	0.9	1.0	0.6	**-0.4**	0.0	0.8	0.7	0.9	0.4	0.6	0.9
Dry (13%)	0.9	0.7	0.8	0.7	0.6	0.3	0.8	1.0	0.8	0.6	0.6	0.8
Critical (25%)	1.1	0.9	0.8	0.9	0.9	0.8	0.9	1.1	0.9	0.6	0.8	1.0

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-30-1-7. Sacramento River d/s of North Delta Diversion, Monthly Averaged Daily Maximum Elevation

Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3.9	6.2	9.6	9.1	10.8	10.1	7.2	4.8	4.1	4.5	4.2	4.2
20%	3.4	5.3	4.5	7.9	10.0	8.4	4.2	3.7	3.7	4.3	4.0	3.7
30%	3.4	3.6	4.2	6.2	6.5	6.9	3.8	3.6	3.7	4.2	3.9	3.6
40%	3.3	3.5	4.0	4.7	5.5	5.4	3.5	3.6	3.6	4.2	3.8	3.6
50%	3.3	3.4	3.8	4.6	4.5	5.0	3.4	3.5	3.6	4.2	3.8	3.5
60%	3.3	3.4	3.7	4.1	3.7	4.7	3.4	3.3	3.6	4.1	3.8	3.5
70%	3.2	3.3	3.7	3.7	3.6	3.8	3.3	3.2	3.5	4.1	3.7	3.4
80%	3.1	3.1	3.5	3.5	3.5	3.4	3.1	3.2	3.4	4.0	3.7	3.4
90%	3.1	3.0	3.2	3.3	3.1	3.1	3.0	2.9	3.3	3.9	3.6	3.3
Long Term												
Full Simulation Period[a]	3.4	4.1	5.0	5.5	5.9	5.9	4.3	3.8	3.9	4.2	3.9	3.6
Water Year Types[b]												
Wet (31%)	3.8	6.1	8.7	7.6	9.6	9.5	6.7	5.3	5.0	4.6	4.1	4.3
Above Normal (25%)	3.1	3.3	4.0	9.1	8.8	7.6	4.5	3.8	3.6	4.0	3.8	3.5
Below Normal (6%)	3.4	3.3	3.2	4.7	5.7	4.9	3.4	3.5	3.5	4.0	3.7	3.4
Dry (13%)	3.3	3.7	3.8	3.9	3.9	4.8	3.5	3.4	3.7	4.2	4.0	3.5
Critical (25%)	3.3	3.4	3.6	3.8	3.4	3.4	3.1	3.0	3.4	4.0	3.6	3.3

Alternative 4 H3 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.6	5.9	9.2	8.8	10.2	9.3	6.9	4.9	4.8	5.2	4.8	5.3
20%	4.5	5.2	5.0	8.0	9.3	8.0	4.7	4.6	4.7	5.2	4.7	5.1
30%	4.4	4.4	5.0	6.3	6.4	6.4	4.5	4.4	4.6	5.0	4.7	4.6
40%	4.4	4.3	4.9	5.0	5.2	5.1	4.3	4.4	4.5	5.0	4.7	4.5
50%	4.2	4.3	4.8	5.0	4.8	4.8	4.2	4.3	4.5	4.8	4.6	4.4
60%	4.2	4.3	4.7	5.0	4.5	4.7	4.2	4.2	4.4	4.8	4.6	4.4
70%	4.1	4.2	4.4	4.7	4.4	4.4	4.1	4.2	4.4	4.7	4.5	4.4
80%	4.1	4.0	4.3	4.6	4.3	4.2	4.1	4.2	4.3	4.6	4.4	4.3
90%	4.1	4.0	4.2	4.3	4.1	4.1	4.0	4.1	4.3	4.4	4.4	4.2
Long Term												
Full Simulation Period[a]	4.3	4.7	5.6	5.9	6.2	5.9	4.9	4.5	4.5	4.9	4.6	4.6
Water Year Types[b]												
Wet (31%)	4.5	6.0	8.7	7.5	9.2	8.7	7.0	5.0	4.9	5.1	4.8	5.3
Above Normal (25%)	4.2	4.1	4.9	8.6	8.6	7.3	4.6	4.4	4.4	5.0	4.6	4.5
Below Normal (6%)	4.2	4.3	4.2	5.3	5.2	4.8	4.2	4.2	4.4	4.4	4.4	4.2
Dry (13%)	4.2	4.4	4.6	4.6	4.5	4.9	4.3	4.5	4.6	5.0	4.6	4.4
Critical (25%)	4.3	4.3	4.5	4.7	4.3	4.2	4.1	4.1	4.3	4.6	4.4	4.3

Alternative 4 H3 (LLT) minus Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.7	**-0.3**	**-0.4**	**-0.3**	**-0.6**	**-0.8**	**-0.3**	0.1	0.7	0.7	0.6	1.1
20%	1.1	**0.0**	0.5	0.1	**-0.6**	**-0.3**	0.5	1.0	1.0	0.9	0.7	1.4
30%	1.0	0.8	0.7	0.1	**-0.1**	**-0.5**	0.7	0.8	0.9	0.8	0.8	1.0
40%	1.0	0.8	0.9	0.3	**-0.4**	**-0.3**	0.8	0.8	0.9	0.8	0.8	0.9
50%	0.9	0.9	1.0	0.4	0.3	**-0.2**	0.8	0.8	0.9	0.6	0.8	0.9
60%	0.9	0.9	1.0	0.9	0.8	**-0.1**	0.8	1.0	0.8	0.7	0.8	1.0
70%	1.0	1.0	0.8	0.9	0.8	0.5	0.8	1.0	0.9	0.6	0.7	1.0
80%	1.0	0.9	0.8	1.1	0.8	0.8	1.0	1.0	0.9	0.6	0.7	1.0
90%	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	0.9	0.5	0.8	0.9
Long Term												
Full Simulation Period[a]	0.9	0.6	0.6	0.4	0.3	0.0	0.6	0.7	0.6	0.7	0.7	1.0
Water Year Types[b]												
Wet (31%)	0.7	**0.0**	**0.0**	**-0.1**	**-0.4**	**-0.8**	0.3	**-0.3**	**-0.1**	0.6	0.7	1.0
Above Normal (25%)	1.2	0.8	0.9	**-0.6**	**-0.2**	**-0.3**	0.0	0.6	0.8	1.0	0.8	1.0
Below Normal (6%)	0.8	1.0	0.9	0.6	**-0.5**	**-0.1**	0.8	0.6	0.9	0.4	0.6	0.8
Dry (13%)	1.0	0.7	0.8	0.7	0.6	0.1	0.8	1.0	0.9	0.8	0.6	0.9
Critical (25%)	1.0	0.9	0.9	0.9	0.9	0.8	0.9	1.1	0.9	0.6	0.8	1.0

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-30-1-8. Sacramento River d/s of North Delta Diversion, Monthly Averaged Daily Maximum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3.9	6.2	9.6	9.1	10.8	10.1	7.2	4.8	4.1	4.5	4.2	4.2
20%	3.4	5.3	4.5	7.9	10.0	8.4	4.2	3.7	3.7	4.3	4.0	3.7
30%	3.4	3.6	4.2	6.2	6.5	6.9	3.8	3.6	3.7	4.2	3.9	3.6
40%	3.3	3.5	4.0	4.7	5.5	5.4	3.5	3.6	3.6	4.2	3.8	3.6
50%	3.3	3.4	3.8	4.6	4.5	5.0	3.4	3.5	3.6	4.2	3.8	3.5
60%	3.3	3.4	3.7	4.1	3.7	4.7	3.4	3.3	3.6	4.1	3.8	3.5
70%	3.2	3.3	3.7	3.7	3.6	3.8	3.3	3.2	3.5	4.1	3.7	3.4
80%	3.1	3.1	3.5	3.5	3.5	3.4	3.1	3.2	3.4	4.0	3.7	3.4
90%	3.1	3.0	3.2	3.3	3.1	3.1	3.0	2.9	3.3	3.9	3.6	3.3
Long Term												
Full Simulation Period[a]	3.4	4.1	5.0	5.5	5.9	5.9	4.3	3.8	3.9	4.2	3.9	3.6
Water Year Types[b]												
Wet (31%)	3.8	6.1	8.7	7.6	9.6	9.5	6.7	5.3	5.0	4.6	4.1	4.3
Above Normal (25%)	3.1	3.3	4.0	9.1	8.8	7.6	4.5	3.8	3.6	4.0	3.8	3.5
Below Normal (6%)	3.4	3.3	3.2	4.7	5.7	4.9	3.4	3.5	3.5	4.0	3.7	3.4
Dry (13%)	3.3	3.7	3.8	3.9	3.9	4.8	3.5	3.4	3.7	4.2	4.0	3.5
Critical (25%)	3.3	3.4	3.6	3.8	3.4	3.4	3.1	3.0	3.4	4.0	3.6	3.3

Alternative 4 H4 (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.6	5.8	9.3	8.8	10.2	9.3	7.0	4.9	4.7	5.1	4.8	5.3
20%	4.5	5.2	5.0	8.0	9.3	8.1	5.0	4.7	4.7	4.9	4.7	5.2
30%	4.4	4.4	5.0	6.3	6.5	6.8	4.9	4.6	4.6	4.9	4.7	4.6
40%	4.3	4.3	4.8	5.0	5.2	5.1	4.6	4.4	4.5	4.7	4.6	4.5
50%	4.3	4.3	4.7	4.9	4.8	4.8	4.3	4.3	4.4	4.7	4.6	4.4
60%	4.2	4.3	4.5	4.7	4.5	4.7	4.2	4.3	4.3	4.7	4.6	4.4
70%	4.1	4.2	4.4	4.6	4.4	4.4	4.2	4.2	4.3	4.6	4.6	4.4
80%	4.1	4.1	4.3	4.4	4.3	4.2	4.1	4.2	4.3	4.5	4.4	4.4
90%	4.1	4.0	4.2	4.2	4.1	4.1	4.0	4.1	4.3	4.5	4.3	4.2
Long Term												
Full Simulation Period[a]	4.3	4.7	5.6	5.9	6.2	6.0	5.1	4.5	4.5	4.8	4.6	4.6
Water Year Types[b]												
Wet (31%)	4.5	6.0	8.7	7.5	9.2	8.7	7.3	5.1	4.8	5.0	4.8	5.3
Above Normal (25%)	4.2	4.1	4.9	8.8	8.7	7.4	5.1	4.5	4.3	4.6	4.6	4.5
Below Normal (6%)	4.2	4.3	4.3	5.3	5.3	4.8	4.2	4.2	4.4	4.4	4.3	4.2
Dry (13%)	4.2	4.4	4.6	4.6	4.5	5.1	4.3	4.4	4.5	4.8	4.6	4.4
Critical (25%)	4.3	4.3	4.5	4.5	4.3	4.2	4.1	4.1	4.3	4.6	4.5	4.4

Alternative 4 H4 (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.7	**-0.5**	**-0.3**	**-0.3**	**-0.6**	**-0.8**	**-0.2**	0.1	0.7	0.6	0.6	1.1
20%	1.1	**0.0**	0.5	0.2	**-0.6**	**-0.3**	0.7	1.0	0.9	0.6	0.7	1.5
30%	1.0	0.8	0.7	0.1	**-0.1**	**-0.1**	1.0	0.9	0.8	0.6	0.8	0.9
40%	1.0	0.8	0.8	0.3	**-0.4**	**-0.3**	1.2	0.8	0.9	0.5	0.8	0.9
50%	1.0	0.9	0.9	0.4	0.3	**-0.2**	0.9	0.8	0.8	0.5	0.8	0.9
60%	1.0	0.9	0.8	0.6	0.8	**-0.1**	0.8	1.0	0.8	0.6	0.8	1.0
70%	1.0	1.0	0.8	0.9	0.8	0.5	0.8	1.0	0.9	0.5	0.8	1.0
80%	1.0	1.0	0.8	0.9	0.8	0.8	1.0	1.0	0.9	0.6	0.7	1.0
90%	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	0.9	0.6	0.8	1.0
Long Term												
Full Simulation Period[a]	0.9	0.6	0.6	0.4	0.3	0.1	0.7	0.7	0.6	0.6	0.8	1.0
Water Year Types[b]												
Wet (31%)	0.8	**-0.1**	0.0	**-0.1**	**-0.4**	**-0.7**	0.5	**-0.2**	**-0.1**	0.4	0.7	1.0
Above Normal (25%)	1.2	0.8	0.9	**-0.4**	**-0.1**	**-0.3**	0.6	0.7	0.7	0.6	0.8	1.0
Below Normal (6%)	0.8	1.0	1.0	0.6	**-0.5**	**-0.1**	0.8	0.7	0.9	0.4	0.6	0.9
Dry (13%)	1.0	0.7	0.8	0.7	0.6	0.2	0.8	1.0	0.8	0.6	0.6	0.8
Critical (25%)	1.0	0.9	0.8	0.7	0.9	0.8	1.0	1.1	0.9	0.6	0.9	1.1

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-30-1-9. Sacramento River d/s of North Delta Diversion, Monthly Averaged Daily Maximum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3.9	6.2	9.6	9.1	10.8	10.1	7.2	4.8	4.1	4.5	4.2	4.2
20%	3.4	5.3	4.5	7.9	10.0	8.4	4.2	3.7	3.7	4.3	4.0	3.7
30%	3.4	3.6	4.2	6.2	6.5	6.9	3.8	3.6	3.7	4.2	3.9	3.6
40%	3.3	3.5	4.0	4.7	5.5	5.4	3.5	3.6	3.6	4.2	3.8	3.6
50%	3.3	3.4	3.8	4.6	4.5	5.0	3.4	3.5	3.6	4.2	3.8	3.5
60%	3.3	3.4	3.7	4.1	3.7	4.7	3.4	3.3	3.6	4.1	3.8	3.5
70%	3.2	3.3	3.7	3.7	3.6	3.8	3.3	3.2	3.5	4.1	3.7	3.4
80%	3.1	3.1	3.5	3.5	3.5	3.4	3.1	3.2	3.4	4.0	3.7	3.4
90%	3.1	3.0	3.2	3.3	3.1	3.1	3.0	2.9	3.3	3.9	3.6	3.3
Long Term												
Full Simulation Period[a]	3.4	4.1	5.0	5.5	5.9	5.9	4.3	3.8	3.9	4.2	3.9	3.6
Water Year Types[b]												
Wet (31%)	3.8	6.1	8.7	7.6	9.6	9.5	6.7	5.3	5.0	4.6	4.1	4.3
Above Normal (25%)	3.1	3.3	4.0	9.1	8.8	7.6	4.5	3.8	3.6	4.0	3.8	3.5
Below Normal (6%)	3.4	3.3	3.2	4.7	5.7	4.9	3.4	3.5	3.5	4.0	3.7	3.4
Dry (13%)	3.3	3.7	3.8	3.9	3.9	4.8	3.5	3.4	3.7	4.2	4.0	3.5
Critical (25%)	3.3	3.4	3.6	3.8	3.4	3.4	3.1	3.0	3.4	4.0	3.6	3.3

Alternative 5 (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.5	6.0	9.7	9.3	10.8	9.9	7.3	5.0	4.8	5.2	4.9	5.3
20%	4.5	5.1	5.0	8.5	10.0	8.6	4.9	4.6	4.7	5.1	4.8	5.1
30%	4.4	4.5	4.9	6.5	6.8	6.9	4.6	4.4	4.6	5.0	4.7	4.5
40%	4.4	4.4	4.9	5.1	5.5	5.3	4.3	4.4	4.5	5.0	4.6	4.4
50%	4.2	4.3	4.7	5.1	4.9	5.1	4.3	4.3	4.5	5.0	4.6	4.4
60%	4.2	4.3	4.6	4.8	4.5	4.8	4.2	4.2	4.4	4.9	4.5	4.4
70%	4.1	4.2	4.4	4.6	4.4	4.4	4.2	4.2	4.4	4.8	4.5	4.4
80%	4.1	4.0	4.3	4.6	4.4	4.2	4.1	4.2	4.4	4.6	4.4	4.3
90%	4.1	4.0	4.3	4.3	4.1	4.1	4.0	4.1	4.3	4.5	4.3	4.2
Long Term												
Full Simulation Period[a]	4.3	4.8	5.7	6.0	6.4	6.2	5.0	4.5	4.6	4.9	4.6	4.6
Water Year Types[b]												
Wet (31%)	4.4	6.2	9.0	7.9	9.7	9.2	7.2	5.2	5.0	5.1	4.8	5.3
Above Normal (25%)	4.0	4.1	4.8	9.2	9.2	7.7	4.8	4.4	4.5	4.9	4.5	4.5
Below Normal (6%)	4.2	4.3	4.3	5.3	5.5	5.0	4.2	4.2	4.5	4.6	4.3	4.2
Dry (13%)	4.2	4.4	4.6	4.6	4.6	5.1	4.3	4.4	4.6	5.0	4.7	4.3
Critical (25%)	4.3	4.3	4.5	4.6	4.3	4.2	4.1	4.1	4.3	4.7	4.4	4.3

Alternative 5 (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.6	**-0.3**	0.1	0.2	0.0	**-0.2**	0.1	0.2	0.8	0.7	0.7	1.1
20%	1.1	**-0.1**	0.5	0.6	0.0	0.2	0.6	0.9	0.9	0.8	0.8	1.4
30%	1.0	0.8	0.7	0.3	0.3	**0.0**	0.7	0.8	0.9	0.8	0.8	0.9
40%	1.0	0.9	0.9	0.4	**-0.1**	**-0.1**	0.8	0.8	0.9	0.8	0.8	0.9
50%	0.9	0.9	0.8	0.5	0.4	0.1	0.8	0.8	0.9	0.8	0.8	0.9
60%	0.9	0.9	0.8	0.7	0.8	0.0	0.8	1.0	0.9	0.7	0.7	1.0
70%	0.9	1.0	0.8	0.9	0.9	0.6	0.8	1.0	0.9	0.7	0.8	1.0
80%	1.0	1.0	0.8	1.1	0.9	0.8	1.0	1.0	0.9	0.7	0.7	0.9
90%	1.0	1.0	1.1	1.0	1.0	1.0	1.0	1.1	0.9	0.6	0.7	0.9
Long Term												
Full Simulation Period[a]	0.9	0.7	0.7	0.6	0.5	0.3	0.7	0.7	0.7	0.7	0.7	0.9
Water Year Types[b]												
Wet (31%)	0.7	0.1	0.3	0.3	0.1	**-0.2**	0.5	**-0.1**	0.1	0.6	0.8	1.0
Above Normal (25%)	1.0	0.9	0.8	0.1	0.4	0.1	0.2	0.6	0.9	0.9	0.8	1.0
Below Normal (6%)	0.8	1.0	1.1	0.6	**-0.3**	0.1	0.8	0.6	1.0	0.6	0.6	0.8
Dry (13%)	1.0	0.7	0.8	0.7	0.7	0.3	0.8	1.0	0.9	0.7	0.7	0.8
Critical (25%)	1.0	0.9	0.8	0.9	0.9	0.8	1.0	1.1	0.9	0.6	0.8	1.0

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-30-1-10. Sacramento River d/s of North Delta Diversion, Monthly Averaged Daily Maximum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3.9	6.2	9.6	9.1	10.8	10.1	7.2	4.8	4.1	4.5	4.2	4.2
20%	3.4	5.3	4.5	7.9	10.0	8.4	4.2	3.7	3.7	4.3	4.0	3.7
30%	3.4	3.6	4.2	6.2	6.5	6.9	3.8	3.6	3.7	4.2	3.9	3.6
40%	3.3	3.5	4.0	4.7	5.5	5.4	3.5	3.6	3.6	4.2	3.8	3.6
50%	3.3	3.4	3.8	4.6	4.5	5.0	3.4	3.5	3.6	4.2	3.8	3.5
60%	3.3	3.4	3.7	4.1	3.7	4.7	3.4	3.3	3.6	4.1	3.8	3.5
70%	3.2	3.3	3.7	3.7	3.6	3.8	3.3	3.2	3.5	4.1	3.7	3.4
80%	3.1	3.1	3.5	3.5	3.5	3.4	3.1	3.2	3.4	4.0	3.7	3.4
90%	3.1	3.0	3.2	3.3	3.1	3.1	3.0	2.9	3.3	3.9	3.6	3.3
Long Term												
Full Simulation Period[a]	3.4	4.1	5.0	5.5	5.9	5.9	4.3	3.8	3.9	4.2	3.9	3.6
Water Year Types[b]												
Wet (31%)	3.8	6.1	8.7	7.6	9.6	9.5	6.7	5.3	5.0	4.6	4.1	4.3
Above Normal (25%)	3.1	3.3	4.0	9.1	8.8	7.6	4.5	3.8	3.6	4.0	3.8	3.5
Below Normal (6%)	3.4	3.3	3.2	4.7	5.7	4.9	3.4	3.5	3.5	4.0	3.7	3.4
Dry (13%)	3.3	3.7	3.8	3.9	3.9	4.8	3.5	3.4	3.7	4.2	4.0	3.5
Critical (25%)	3.3	3.4	3.6	3.8	3.4	3.4	3.1	3.0	3.4	4.0	3.6	3.3

Alternative 6A,6B,6C (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.5	6.2	9.1	8.2	10.0	9.3	6.9	4.8	4.7	5.0	4.9	5.1
20%	4.4	5.3	5.0	7.8	9.1	8.3	4.8	4.5	4.6	4.8	4.8	5.0
30%	4.3	4.5	5.0	6.4	6.2	6.5	4.5	4.4	4.5	4.8	4.7	4.6
40%	4.3	4.4	4.8	5.2	5.2	5.1	4.3	4.4	4.4	4.8	4.7	4.5
50%	4.3	4.3	4.7	5.1	4.9	4.8	4.2	4.3	4.4	4.7	4.6	4.5
60%	4.2	4.3	4.5	4.8	4.9	4.7	4.2	4.2	4.3	4.7	4.6	4.5
70%	4.2	4.3	4.4	4.6	4.4	4.4	4.2	4.2	4.3	4.7	4.5	4.4
80%	4.2	4.0	4.3	4.3	4.3	4.2	4.1	4.1	4.2	4.6	4.5	4.4
90%	4.1	4.0	4.2	4.2	4.1	4.0	4.0	4.0	4.2	4.5	4.4	4.2
Long Term												
Full Simulation Period[a]	4.3	4.7	5.6	5.8	6.1	6.0	4.9	4.4	4.5	4.7	4.6	4.6
Water Year Types[b]												
Wet (31%)	4.5	6.0	8.7	7.4	9.2	8.8	7.0	5.0	4.8	5.0	4.9	5.1
Above Normal (25%)	4.0	4.2	4.8	8.2	8.1	7.5	4.6	4.4	4.3	4.7	4.6	4.5
Below Normal (6%)	4.2	4.3	4.2	5.3	5.2	4.7	4.2	4.2	4.4	4.5	4.5	4.4
Dry (13%)	4.3	4.4	4.6	4.6	4.6	5.0	4.3	4.3	4.5	4.7	4.6	4.4
Critical (25%)	4.3	4.3	4.5	4.5	4.3	4.1	4.0	4.1	4.3	4.6	4.5	4.4

Alternative 6A,6B,6C (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.6	**-0.1**	**-0.5**	**-0.9**	**-0.8**	**-0.8**	**-0.3**	0.0	0.6	0.5	0.7	1.0
20%	1.0	0.0	0.5	**-0.1**	**-0.8**	**-0.1**	0.6	0.8	0.8	0.5	0.7	1.3
30%	0.9	0.9	0.8	0.2	**-0.4**	**-0.4**	0.7	0.8	0.8	0.6	0.8	0.9
40%	1.0	0.9	0.8	0.4	**-0.3**	**-0.4**	0.8	0.8	0.8	0.6	0.8	1.0
50%	1.0	0.9	0.8	0.5	0.4	**-0.1**	0.8	0.8	0.8	0.6	0.8	1.0
60%	1.0	0.9	0.8	0.7	1.2	**0.0**	0.8	1.0	0.8	0.6	0.8	1.0
70%	1.0	1.0	0.8	0.9	0.8	0.5	0.8	0.9	0.8	0.6	0.8	1.0
80%	1.1	0.9	0.7	0.9	0.8	0.8	0.9	0.9	0.8	0.6	0.8	1.0
90%	1.0	1.0	1.0	0.9	1.0	0.9	1.0	1.1	0.9	0.7	0.9	1.0
Long Term												
Full Simulation Period[a]	0.9	0.6	0.6	0.3	0.3	0.1	0.6	0.6	0.6	0.5	0.8	0.9
Water Year Types[b]												
Wet (31%)	0.8	**-0.1**	**0.0**	**-0.2**	**-0.4**	**-0.6**	0.3	**-0.3**	**-0.2**	0.4	0.8	0.8
Above Normal (25%)	1.0	0.9	0.8	**-0.9**	**-0.7**	**-0.2**	0.0	0.6	0.7	0.7	0.8	0.9
Below Normal (6%)	0.8	1.0	1.0	0.6	**-0.5**	**-0.2**	0.8	0.6	0.9	0.5	0.8	1.0
Dry (13%)	1.0	0.8	0.8	0.7	0.7	0.1	0.8	0.9	0.8	0.5	0.6	0.9
Critical (25%)	1.0	1.0	0.8	0.8	1.0	0.7	0.9	1.1	0.9	0.6	0.9	1.0

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-30-1-11. Sacramento River d/s of North Delta Diversion, Monthly Averaged Daily Maximum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3.9	6.2	9.6	9.1	10.8	10.1	7.2	4.8	4.1	4.5	4.2	4.2
20%	3.4	5.3	4.5	7.9	10.0	8.4	4.2	3.7	3.7	4.3	4.0	3.7
30%	3.4	3.6	4.2	6.2	6.5	6.9	3.8	3.6	3.7	4.2	3.9	3.6
40%	3.3	3.5	4.0	4.7	5.5	5.4	3.5	3.6	3.6	4.2	3.8	3.6
50%	3.3	3.4	3.8	4.6	4.5	5.0	3.4	3.5	3.6	4.2	3.8	3.5
60%	3.3	3.4	3.7	4.1	3.7	4.7	3.4	3.3	3.6	4.1	3.8	3.5
70%	3.2	3.3	3.7	3.7	3.6	3.8	3.3	3.2	3.5	4.1	3.7	3.4
80%	3.1	3.1	3.5	3.5	3.5	3.4	3.1	3.2	3.4	4.0	3.7	3.4
90%	3.1	3.0	3.2	3.3	3.1	3.1	3.0	2.9	3.3	3.9	3.6	3.3
Long Term												
Full Simulation Period[a]	3.4	4.1	5.0	5.5	5.9	5.9	4.3	3.8	3.9	4.2	3.9	3.6
Water Year Types[b]												
Wet (31%)	3.8	6.1	8.7	7.6	9.6	9.5	6.7	5.3	5.0	4.6	4.1	4.3
Above Normal (25%)	3.1	3.3	4.0	9.1	8.8	7.6	4.5	3.8	3.6	4.0	3.8	3.5
Below Normal (6%)	3.4	3.3	3.2	4.7	5.7	4.9	3.4	3.5	3.5	4.0	3.7	3.4
Dry (13%)	3.3	3.7	3.8	3.9	3.9	4.8	3.5	3.4	3.7	4.2	4.0	3.5
Critical (25%)	3.3	3.4	3.6	3.8	3.4	3.4	3.1	3.0	3.4	4.0	3.6	3.3

Alternative 7 (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.5	6.0	9.5	8.7	10.2	9.3	6.8	4.8	4.8	5.2	4.9	5.3
20%	4.4	5.2	5.0	8.1	9.3	8.0	4.7	4.5	4.6	5.1	4.7	5.1
30%	4.3	4.5	5.0	6.2	6.4	6.3	4.5	4.4	4.6	4.9	4.7	4.5
40%	4.3	4.4	4.7	5.0	5.1	5.0	4.3	4.4	4.5	4.9	4.7	4.5
50%	4.3	4.4	4.7	5.0	4.9	4.8	4.2	4.3	4.5	4.8	4.6	4.4
60%	4.3	4.3	4.5	4.7	4.8	4.7	4.2	4.2	4.4	4.8	4.6	4.4
70%	4.2	4.3	4.4	4.6	4.4	4.4	4.2	4.2	4.3	4.7	4.6	4.4
80%	4.2	4.1	4.3	4.4	4.3	4.2	4.1	4.1	4.3	4.6	4.5	4.3
90%	4.1	4.0	4.2	4.2	4.1	4.0	4.0	4.1	4.3	4.6	4.4	4.2
Long Term												
Full Simulation Period[a]	4.3	4.8	5.6	5.8	6.2	5.9	4.9	4.4	4.5	4.8	4.6	4.6
Water Year Types[b]												
Wet (31%)	4.5	6.1	8.8	7.4	9.1	8.7	6.9	5.0	4.9	5.1	4.8	5.3
Above Normal (25%)	4.0	4.2	4.8	8.7	8.6	7.1	4.6	4.4	4.4	4.7	4.6	4.5
Below Normal (6%)	4.3	4.3	4.2	5.3	5.2	4.9	4.3	4.2	4.3	4.6	4.4	4.3
Dry (13%)	4.3	4.4	4.6	4.6	4.6	5.0	4.3	4.3	4.5	5.0	4.7	4.3
Critical (25%)	4.2	4.3	4.5	4.5	4.3	4.2	4.1	4.2	4.4	4.6	4.5	4.3

Alternative 7 (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.6	**-0.3**	**-0.1**	**-0.4**	**-0.6**	**-0.8**	**-0.4**	0.1	0.7	0.7	0.7	1.2
20%	1.0	**0.0**	0.5	0.2	**-0.7**	**-0.4**	0.5	0.8	0.9	0.8	0.7	1.4
30%	0.9	0.9	0.7	0.0	**-0.2**	**-0.6**	0.7	0.8	0.8	0.7	0.8	0.9
40%	1.0	0.9	0.8	0.3	**-0.4**	**-0.4**	0.8	0.8	0.9	0.7	0.8	0.9
50%	1.0	0.9	0.8	0.4	0.4	**-0.2**	0.8	0.8	0.9	0.7	0.8	0.9
60%	1.0	1.0	0.8	0.6	1.2	**-0.1**	0.8	1.0	0.9	0.6	0.8	0.9
70%	1.0	1.0	0.8	0.9	0.8	0.6	0.8	1.0	0.9	0.6	0.8	1.0
80%	1.1	1.0	0.7	0.9	0.8	0.8	0.9	1.0	0.9	0.6	0.8	1.0
90%	1.0	1.0	1.0	1.0	1.0	0.9	1.0	1.1	1.0	0.7	0.9	0.9
Long Term												
Full Simulation Period[a]	0.9	0.7	0.6	0.4	0.3	**0.0**	0.6	0.6	0.7	0.6	0.8	0.9
Water Year Types[b]												
Wet (31%)	0.8	0.0	0.1	**-0.2**	**-0.5**	**-0.8**	0.1	**-0.3**	**-0.1**	0.5	0.7	1.0
Above Normal (25%)	1.0	0.9	0.8	**-0.4**	**-0.2**	**-0.6**	0.0	0.6	0.8	0.8	0.8	1.0
Below Normal (6%)	0.9	1.0	1.0	0.6	**-0.5**	**0.0**	0.8	0.6	0.8	0.6	0.7	0.9
Dry (13%)	1.0	0.7	0.8	0.7	0.7	0.1	0.8	0.9	0.8	0.8	0.7	0.8
Critical (25%)	1.0	1.0	0.8	0.7	1.0	0.7	0.9	1.2	1.0	0.6	0.9	1.0

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-30-1-12. Sacramento River d/s of North Delta Diversion, Monthly Averaged Daily Maximum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3.9	6.2	9.6	9.1	10.8	10.1	7.2	4.8	4.1	4.5	4.2	4.2
20%	3.4	5.3	4.5	7.9	10.0	8.4	4.2	3.7	3.7	4.3	4.0	3.7
30%	3.4	3.6	4.2	6.2	6.5	6.9	3.8	3.6	3.7	4.2	3.9	3.6
40%	3.3	3.5	4.0	4.7	5.5	5.4	3.5	3.6	3.6	4.2	3.8	3.6
50%	3.3	3.4	3.8	4.6	4.5	5.0	3.4	3.5	3.6	4.2	3.8	3.5
60%	3.3	3.4	3.7	4.1	3.7	4.7	3.4	3.3	3.6	4.1	3.8	3.5
70%	3.2	3.3	3.7	3.7	3.6	3.8	3.3	3.2	3.5	4.1	3.7	3.4
80%	3.1	3.1	3.5	3.5	3.5	3.4	3.1	3.2	3.4	4.0	3.7	3.4
90%	3.1	3.0	3.2	3.3	3.1	3.1	3.0	2.9	3.3	3.9	3.6	3.3
Long Term												
Full Simulation Period[a]	3.4	4.1	5.0	5.5	5.9	5.9	4.3	3.8	3.9	4.2	3.9	3.6
Water Year Types[b]												
Wet (31%)	3.8	6.1	8.7	7.6	9.6	9.5	6.7	5.3	5.0	4.6	4.1	4.3
Above Normal (25%)	3.1	3.3	4.0	9.1	8.8	7.6	4.5	3.8	3.6	4.0	3.8	3.5
Below Normal (6%)	3.4	3.3	3.2	4.7	5.7	4.9	3.4	3.5	3.5	4.0	3.7	3.4
Dry (13%)	3.3	3.7	3.8	3.9	3.9	4.8	3.5	3.4	3.7	4.2	4.0	3.5
Critical (25%)	3.3	3.4	3.6	3.8	3.4	3.4	3.1	3.0	3.4	4.0	3.6	3.3

Alternative 8 (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.5	6.2	9.5	8.7	10.1	9.3	7.0	5.0	4.7	4.9	4.8	5.2
20%	4.3	5.3	5.0	8.1	9.3	7.9	5.0	4.6	4.6	4.7	4.7	5.0
30%	4.3	4.4	5.0	6.3	6.8	6.7	4.6	4.5	4.5	4.7	4.6	4.5
40%	4.2	4.4	4.7	5.4	5.1	5.2	4.4	4.4	4.5	4.7	4.6	4.4
50%	4.1	4.3	4.7	5.1	5.0	5.1	4.3	4.4	4.5	4.7	4.6	4.4
60%	4.1	4.3	4.5	4.8	4.9	4.8	4.3	4.4	4.4	4.6	4.5	4.4
70%	4.1	4.3	4.4	4.7	4.5	4.6	4.3	4.3	4.3	4.6	4.4	4.4
80%	4.0	4.0	4.2	4.4	4.4	4.3	4.2	4.2	4.3	4.6	4.4	4.2
90%	4.0	4.0	4.2	4.3	4.2	4.2	4.2	4.2	4.3	4.4	4.4	4.2
Long Term												
Full Simulation Period[a]	4.2	4.8	5.6	5.9	6.2	6.0	5.0	4.6	4.5	4.7	4.6	4.5
Water Year Types[b]												
Wet (31%)	4.5	6.3	8.8	7.5	9.1	8.7	6.9	5.3	4.9	4.9	4.8	5.2
Above Normal (25%)	4.0	4.1	4.8	8.9	8.6	7.2	4.8	4.5	4.4	4.5	4.5	4.4
Below Normal (6%)	4.1	4.2	4.2	5.4	5.7	5.1	4.3	4.4	4.3	4.3	4.3	4.2
Dry (13%)	4.1	4.4	4.6	4.7	4.7	5.3	4.5	4.4	4.5	4.7	4.6	4.3
Critical (25%)	4.1	4.3	4.5	4.6	4.4	4.3	4.1	4.2	4.4	4.6	4.5	4.3

Alternative 8 (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.6	**0.0**	**-0.1**	**-0.4**	**-0.7**	**-0.8**	**-0.1**	0.2	0.6	0.4	0.6	1.0
20%	0.9	0.0	0.5	0.2	**-0.7**	**-0.5**	0.7	0.9	0.8	0.5	0.6	1.3
30%	0.9	0.8	0.7	0.1	0.3	**-0.2**	0.8	0.9	0.8	0.5	0.8	0.8
40%	0.9	0.9	0.8	0.7	**-0.4**	**-0.2**	1.0	0.8	0.9	0.5	0.8	0.8
50%	0.8	0.9	0.8	0.6	0.5	0.1	0.9	0.9	0.9	0.5	0.7	0.9
60%	0.8	0.9	0.8	0.7	1.2	0.1	0.9	1.1	0.9	0.5	0.7	0.9
70%	0.9	1.0	0.8	0.9	0.9	0.7	0.9	1.1	0.9	0.5	0.7	1.0
80%	0.9	0.9	0.7	0.9	0.9	1.0	1.1	1.0	0.9	0.6	0.7	0.9
90%	0.9	1.0	1.0	1.0	1.1	1.1	1.1	1.2	0.9	0.5	0.8	0.9
Long Term												
Full Simulation Period[a]	0.8	0.7	0.6	0.4	0.4	0.1	0.7	0.8	0.7	0.5	0.7	0.9
Water Year Types[b]												
Wet (31%)	0.7	0.2	0.2	**-0.1**	**-0.5**	**-0.8**	0.2	0.0	**0.0**	0.4	0.7	0.9
Above Normal (25%)	1.0	0.9	0.8	**-0.2**	**-0.2**	**-0.5**	0.2	0.7	0.8	0.5	0.7	0.9
Below Normal (6%)	0.7	1.0	1.0	0.8	0.0	0.1	0.9	0.9	0.8	0.4	0.6	0.8
Dry (13%)	0.9	0.7	0.8	0.8	0.8	0.5	1.0	0.9	0.8	0.5	0.6	0.8
Critical (25%)	0.9	0.9	0.8	0.8	1.0	0.9	1.0	1.2	1.0	0.6	0.9	1.0

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-30-1-13. Sacramento River d/s of North Delta Diversion, Monthly Averaged Daily Maximum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3.9	6.2	9.6	9.1	10.8	10.1	7.2	4.8	4.1	4.5	4.2	4.2
20%	3.4	5.3	4.5	7.9	10.0	8.4	4.2	3.7	3.7	4.3	4.0	3.7
30%	3.4	3.6	4.2	6.2	6.5	6.9	3.8	3.6	3.7	4.2	3.9	3.6
40%	3.3	3.5	4.0	4.7	5.5	5.4	3.5	3.6	3.6	4.2	3.8	3.6
50%	3.3	3.4	3.8	4.6	4.5	5.0	3.4	3.5	3.6	4.2	3.8	3.5
60%	3.3	3.4	3.7	4.1	3.7	4.7	3.4	3.3	3.6	4.1	3.8	3.5
70%	3.2	3.3	3.7	3.7	3.6	3.8	3.3	3.2	3.5	4.1	3.7	3.4
80%	3.1	3.1	3.5	3.5	3.5	3.4	3.1	3.2	3.4	4.0	3.7	3.4
90%	3.1	3.0	3.2	3.3	3.1	3.1	3.0	2.9	3.3	3.9	3.6	3.3
Long Term												
Full Simulation Period[a]	3.4	4.1	5.0	5.5	5.9	5.9	4.3	3.8	3.9	4.2	3.9	3.6
Water Year Types[b]												
Wet (31%)	3.8	6.1	8.7	7.6	9.6	9.5	6.7	5.3	5.0	4.6	4.1	4.3
Above Normal (25%)	3.1	3.3	4.0	9.1	8.8	7.6	4.5	3.8	3.6	4.0	3.8	3.5
Below Normal (6%)	3.4	3.3	3.2	4.7	5.7	4.9	3.4	3.5	3.5	4.0	3.7	3.4
Dry (13%)	3.3	3.7	3.8	3.9	3.9	4.8	3.5	3.4	3.7	4.2	4.0	3.5
Critical (25%)	3.3	3.4	3.6	3.8	3.4	3.4	3.1	3.0	3.4	4.0	3.6	3.3

Alternative 9 (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.6	6.1	10.2	9.9	11.5	10.6	7.6	5.1	4.8	5.1	5.0	5.8
20%	4.4	5.2	4.9	9.1	10.6	9.2	4.9	4.5	4.7	5.0	4.9	5.4
30%	4.4	4.6	4.8	6.7	7.2	7.2	4.5	4.4	4.6	5.0	4.8	4.7
40%	4.3	4.5	4.8	5.2	5.7	5.4	4.2	4.3	4.5	5.0	4.8	4.5
50%	4.2	4.4	4.6	5.1	4.9	5.3	4.2	4.3	4.5	4.9	4.7	4.4
60%	4.2	4.3	4.5	4.7	4.4	4.8	4.2	4.2	4.4	4.9	4.7	4.4
70%	4.2	4.2	4.4	4.5	4.3	4.4	4.1	4.2	4.4	4.8	4.6	4.4
80%	4.1	4.0	4.3	4.2	4.2	4.1	4.1	4.1	4.3	4.7	4.5	4.4
90%	4.1	4.0	4.2	4.1	4.1	4.0	3.9	4.0	4.3	4.6	4.4	4.2
Long Term												
Full Simulation Period[a]	4.3	4.8	5.7	6.2	6.6	6.4	5.1	4.5	4.6	4.9	4.7	4.7
Water Year Types[b]												
Wet (31%)	4.6	6.3	9.4	8.3	10.3	9.8	7.4	5.3	5.0	5.1	4.9	5.7
Above Normal (25%)	4.0	4.2	4.7	9.8	9.7	8.2	4.9	4.3	4.4	4.9	4.7	4.7
Below Normal (6%)	4.3	4.5	4.3	5.2	5.7	5.2	4.2	4.1	4.4	4.6	4.5	4.4
Dry (13%)	4.3	4.4	4.5	4.5	4.6	5.2	4.3	4.5	4.6	4.9	4.8	4.4
Critical (25%)	4.2	4.3	4.4	4.5	4.2	4.2	4.0	4.1	4.3	4.7	4.5	4.3

Alternative 9 (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.7	**-0.1**	0.5	0.8	0.7	0.5	0.4	0.3	0.7	0.6	0.8	1.6
20%	1.0	**0.0**	0.4	1.2	0.6	0.8	0.6	0.9	0.9	0.8	0.8	1.7
30%	1.0	1.0	0.6	0.5	0.7	0.3	0.7	0.8	0.9	0.8	0.9	1.1
40%	1.0	0.9	0.8	0.5	0.2	**0.0**	0.8	0.7	0.9	0.8	0.9	0.9
50%	0.9	0.9	0.8	0.6	0.5	0.3	0.8	0.8	0.9	0.8	0.9	0.9
60%	0.9	0.9	0.8	0.6	0.7	0.1	0.8	1.0	0.8	0.7	0.9	0.9
70%	1.0	1.0	0.8	0.8	0.7	0.6	0.8	1.0	0.9	0.7	0.9	1.0
80%	1.0	1.0	0.8	0.8	0.7	0.7	0.9	0.9	0.9	0.7	0.8	1.0
90%	1.0	1.0	1.0	0.9	0.9	0.9	0.9	1.1	0.9	0.7	0.9	1.0
Long Term												
Full Simulation Period[a]	0.9	0.7	0.7	0.7	0.7	0.5	0.7	0.7	0.7	0.7	0.9	1.1
Water Year Types[b]												
Wet (31%)	0.8	0.3	0.7	0.7	0.6	0.3	0.7	0.0	0.1	0.6	0.9	1.4
Above Normal (25%)	0.9	0.9	0.7	0.7	0.9	0.5	0.4	0.5	0.8	1.0	1.0	1.2
Below Normal (6%)	0.9	1.2	1.0	0.6	**0.0**	0.3	0.8	0.6	0.9	0.6	0.8	1.0
Dry (13%)	1.0	0.7	0.7	0.7	0.7	0.4	0.8	1.0	0.9	0.7	0.8	0.8
Critical (25%)	1.0	1.0	0.8	0.7	0.8	0.8	0.9	1.1	1.0	0.7	0.9	1.0

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-30-1-14. Sacramento River d/s of North Delta Diversion, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	5.0	6.5	10.5	10.4	11.6	10.8	8.1	5.7	5.4	6.0	5.6	6.2
20%	4.9	5.7	5.6	9.5	10.9	9.6	5.6	5.1	5.3	5.9	5.4	5.7
30%	4.8	5.2	5.6	7.5	7.9	7.9	5.1	5.0	5.2	5.8	5.4	5.3
40%	4.8	5.0	5.4	6.0	6.4	6.3	4.9	4.9	5.1	5.7	5.3	5.0
50%	4.8	4.9	5.2	5.9	5.7	6.0	4.8	4.7	5.0	5.7	5.3	5.0
60%	4.8	4.8	5.1	5.4	5.1	5.6	4.7	4.7	5.0	5.7	5.2	4.9
70%	4.7	4.7	4.9	5.3	4.9	5.0	4.7	4.7	5.0	5.7	5.1	4.9
80%	4.6	4.7	4.9	5.1	4.9	4.7	4.6	4.7	4.9	5.4	5.1	4.9
90%	4.6	4.5	4.8	4.7	4.6	4.5	4.5	4.5	4.9	5.3	5.0	4.7
Long Term												
Full Simulation Period[a]	4.8	5.3	6.3	6.8	7.1	6.9	5.6	5.0	5.2	5.7	5.3	5.2
Water Year Types[b]												
Wet (31%)	5.1	6.7	9.7	8.9	10.6	10.1	7.9	5.8	5.6	5.9	5.6	6.1
Above Normal (25%)	4.6	4.7	5.4	10.1	10.1	8.7	5.6	5.0	5.0	5.7	5.3	5.3
Below Normal (6%)	4.8	5.0	4.9	6.0	6.4	5.9	4.8	4.7	5.0	5.3	5.1	4.9
Dry (13%)	4.8	5.0	5.2	5.2	5.2	5.9	4.8	4.9	5.1	5.8	5.4	4.9
Critical (25%)	4.8	4.8	5.0	5.2	4.7	4.8	4.6	4.6	4.9	5.4	5.0	4.8

Alternative 1A,1B,1C (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.9	5.8	9.2	8.8	10.4	9.8	7.0	4.9	4.8	5.2	4.9	4.7
20%	4.7	5.2	5.0	7.8	9.7	8.4	4.7	4.6	4.7	5.0	4.7	4.6
30%	4.6	4.6	5.0	6.6	6.2	6.8	4.6	4.4	4.6	5.0	4.7	4.5
40%	4.5	4.3	4.9	5.3	5.2	5.1	4.3	4.3	4.5	4.9	4.7	4.4
50%	4.4	4.3	4.7	5.1	4.9	4.8	4.3	4.3	4.4	4.8	4.6	4.4
60%	4.2	4.3	4.6	4.8	4.5	4.7	4.2	4.3	4.4	4.8	4.5	4.4
70%	4.2	4.2	4.5	4.6	4.4	4.4	4.2	4.2	4.4	4.6	4.5	4.4
80%	4.2	4.1	4.4	4.4	4.4	4.2	4.2	4.2	4.3	4.5	4.4	4.3
90%	4.1	4.0	4.3	4.3	4.2	4.1	4.0	4.1	4.3	4.4	4.3	4.2
Long Term												
Full Simulation Period[a]	4.4	4.8	5.6	5.9	6.3	6.1	5.0	4.5	4.5	4.8	4.6	4.5
Water Year Types[b]												
Wet (31%)	4.5	6.2	8.7	7.7	9.3	9.1	7.1	5.0	4.9	5.0	4.8	4.8
Above Normal (25%)	4.3	4.1	4.9	8.6	8.8	7.6	4.6	4.4	4.4	4.8	4.5	4.3
Below Normal (6%)	4.8	4.3	4.3	5.3	5.2	4.7	4.2	4.2	4.3	4.3	4.4	4.3
Dry (13%)	4.2	4.4	4.7	4.7	4.6	5.1	4.3	4.5	4.6	5.0	4.7	4.4
Critical (25%)	4.5	4.2	4.5	4.5	4.3	4.2	4.1	4.1	4.3	4.6	4.4	4.3

Alternative 1A,1B,1C (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	**-0.2**	**-0.7**	**-1.3**	**-1.6**	**-1.2**	**-1.0**	**-1.1**	**-0.8**	**-0.6**	**-0.8**	**-0.7**	**-1.4**
20%	**-0.2**	**-0.5**	**-0.6**	**-1.7**	**-1.2**	**-1.2**	**-0.9**	**-0.5**	**-0.6**	**-0.9**	**-0.7**	**-1.2**
30%	**-0.2**	**-0.6**	**-0.6**	**-0.9**	**-1.7**	**-1.2**	**-0.6**	**-0.6**	**-0.6**	**-0.8**	**-0.7**	**-0.8**
40%	**-0.3**	**-0.7**	**-0.5**	**-0.7**	**-1.2**	**-1.2**	**-0.6**	**-0.5**	**-0.6**	**-0.8**	**-0.7**	**-0.5**
50%	**-0.5**	**-0.6**	**-0.5**	**-0.8**	**-0.7**	**-1.2**	**-0.5**	**-0.4**	**-0.6**	**-0.9**	**-0.7**	**-0.5**
60%	**-0.5**	**-0.5**	**-0.5**	**-0.6**	**-0.6**	**-0.9**	**-0.5**	**-0.4**	**-0.6**	**-0.9**	**-0.7**	**-0.5**
70%	**-0.5**	**-0.5**	**-0.4**	**-0.7**	**-0.5**	**-0.6**	**-0.5**	**-0.4**	**-0.6**	**-1.0**	**-0.6**	**-0.5**
80%	**-0.5**	**-0.6**	**-0.6**	**-0.8**	**-0.5**	**-0.5**	**-0.5**	**-0.5**	**-0.6**	**-0.9**	**-0.7**	**-0.6**
90%	**-0.5**	**-0.5**	**-0.5**	**-0.4**	**-0.4**	**-0.5**	**-0.4**	**-0.4**	**-0.6**	**-0.8**	**-0.6**	**-0.5**
Long Term												
Full Simulation Period[a]	**-0.4**	**-0.6**	**-0.6**	**-0.9**	**-0.8**	**-0.8**	**-0.6**	**-0.5**	**-0.6**	**-0.8**	**-0.7**	**-0.7**
Water Year Types[b]												
Wet (31%)	**-0.6**	**-0.5**	**-1.0**	**-1.2**	**-1.2**	**-1.0**	**-0.7**	**-0.7**	**-0.7**	**-0.8**	**-0.8**	**-1.3**
Above Normal (25%)	**-0.3**	**-0.5**	**-0.6**	**-1.5**	**-1.3**	**-1.1**	**-0.9**	**-0.6**	**-0.6**	**-0.9**	**-0.8**	**-0.9**
Below Normal (6%)	**0.0**	**-0.7**	**-0.6**	**-0.7**	**-1.2**	**-1.1**	**-0.6**	**-0.5**	**-0.7**	**-1.0**	**-0.7**	**-0.6**
Dry (13%)	**-0.6**	**-0.6**	**-0.5**	**-0.5**	**-0.6**	**-0.8**	**-0.5**	**-0.5**	**-0.6**	**-0.8**	**-0.7**	**-0.5**
Critical (25%)	**-0.3**	**-0.6**	**-0.5**	**-0.7**	**-0.4**	**-0.6**	**-0.5**	**-0.4**	**-0.6**	**-0.8**	**-0.6**	**-0.5**

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-30-1-15. Sacramento River d/s of North Delta Diversion, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	5.0	6.5	10.5	10.4	11.6	10.8	8.1	5.7	5.4	6.0	5.6	6.2
20%	4.9	5.7	5.6	9.5	10.9	9.6	5.6	5.1	5.3	5.9	5.4	5.7
30%	4.8	5.2	5.6	7.5	7.9	7.9	5.1	5.0	5.2	5.8	5.4	5.3
40%	4.8	5.0	5.4	6.0	6.4	6.3	4.9	4.9	5.1	5.7	5.3	5.0
50%	4.8	4.9	5.2	5.9	5.7	6.0	4.8	4.7	5.0	5.7	5.3	5.0
60%	4.8	4.8	5.1	5.4	5.1	5.6	4.7	4.7	5.0	5.7	5.2	4.9
70%	4.7	4.7	4.9	5.3	4.9	5.0	4.7	4.7	5.0	5.7	5.1	4.9
80%	4.6	4.7	4.9	5.1	4.9	4.7	4.6	4.7	4.9	5.4	5.1	4.9
90%	4.6	4.5	4.8	4.7	4.6	4.5	4.5	4.5	4.9	5.3	5.0	4.7
Long Term												
Full Simulation Period[a]	4.8	5.3	6.3	6.8	7.1	6.9	5.6	5.0	5.2	5.7	5.3	5.2
Water Year Types[b]												
Wet (31%)	5.1	6.7	9.7	8.9	10.6	10.1	7.9	5.8	5.6	5.9	5.6	6.1
Above Normal (25%)	4.6	4.7	5.4	10.1	10.1	8.7	5.6	5.0	5.0	5.7	5.3	5.3
Below Normal (6%)	4.8	5.0	4.9	6.0	6.4	5.9	4.8	4.7	5.0	5.3	5.1	4.9
Dry (13%)	4.8	5.0	5.2	5.2	5.2	5.9	4.8	4.9	5.1	5.8	5.4	4.9
Critical (25%)	4.8	4.8	5.0	5.2	4.7	4.8	4.6	4.6	4.9	5.4	5.0	4.8

Alternative 2A,2B,2C (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.5	5.7	9.0	8.7	10.3	9.6	7.0	4.9	4.9	5.2	4.8	5.4
20%	4.5	5.2	5.0	7.9	9.7	8.4	4.8	4.7	4.7	5.1	4.7	5.1
30%	4.4	4.4	4.9	6.5	6.2	6.4	4.5	4.4	4.6	5.0	4.7	4.6
40%	4.4	4.3	4.8	5.1	5.2	5.1	4.3	4.4	4.5	5.0	4.7	4.5
50%	4.3	4.3	4.7	5.0	4.9	4.8	4.2	4.3	4.5	4.9	4.6	4.4
60%	4.3	4.3	4.7	4.8	4.5	4.7	4.2	4.2	4.4	4.8	4.6	4.4
70%	4.2	4.2	4.4	4.6	4.4	4.3	4.2	4.2	4.4	4.7	4.5	4.4
80%	4.1	4.1	4.3	4.6	4.3	4.2	4.1	4.2	4.4	4.6	4.4	4.3
90%	4.1	4.0	4.3	4.3	4.1	4.1	4.0	4.0	4.3	4.4	4.4	4.2
Long Term												
Full Simulation Period[a]	4.3	4.7	5.6	5.9	6.2	6.0	5.0	4.5	4.6	4.9	4.6	4.6
Water Year Types[b]												
Wet (31%)	4.5	6.0	8.6	7.7	9.3	9.0	7.1	5.0	5.0	5.1	4.8	5.3
Above Normal (25%)	4.2	4.1	4.8	8.4	8.6	7.6	4.6	4.4	4.4	4.9	4.6	4.5
Below Normal (6%)	4.2	4.2	4.3	5.3	5.2	4.8	4.2	4.2	4.4	4.4	4.3	4.2
Dry (13%)	4.2	4.4	4.6	4.6	4.6	4.8	4.3	4.5	4.6	5.0	4.6	4.4
Critical (25%)	4.3	4.3	4.5	4.6	4.2	4.2	4.1	4.1	4.3	4.7	4.4	4.3

Alternative 2A,2B,2C (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	**-0.5**	**-0.8**	**-1.5**	**-1.7**	**-1.4**	**-1.1**	**-1.2**	**-0.8**	**-0.5**	**-0.8**	**-0.8**	**-0.8**
20%	**-0.4**	**-0.4**	**-0.7**	**-1.6**	**-1.2**	**-1.2**	**-0.8**	**-0.4**	**-0.6**	**-0.8**	**-0.7**	**-0.7**
30%	**-0.4**	**-0.7**	**-0.6**	**-1.0**	**-1.7**	**-1.5**	**-0.6**	**-0.6**	**-0.5**	**-0.8**	**-0.7**	**-0.7**
40%	**-0.5**	**-0.6**	**-0.6**	**-0.9**	**-1.2**	**-1.2**	**-0.6**	**-0.5**	**-0.6**	**-0.8**	**-0.7**	**-0.5**
50%	**-0.5**	**-0.6**	**-0.5**	**-0.9**	**-0.8**	**-1.2**	**-0.6**	**-0.4**	**-0.6**	**-0.8**	**-0.7**	**-0.5**
60%	**-0.5**	**-0.5**	**-0.5**	**-0.7**	**-0.6**	**-0.9**	**-0.5**	**-0.4**	**-0.6**	**-0.9**	**-0.7**	**-0.5**
70%	**-0.5**	**-0.5**	**-0.5**	**-0.6**	**-0.5**	**-0.7**	**-0.5**	**-0.5**	**-0.6**	**-1.0**	**-0.6**	**-0.5**
80%	**-0.5**	**-0.6**	**-0.6**	**-0.5**	**-0.5**	**-0.5**	**-0.5**	**-0.5**	**-0.6**	**-0.8**	**-0.7**	**-0.5**
90%	**-0.5**	**-0.5**	**-0.5**	**-0.4**	**-0.5**	**-0.5**	**-0.5**	**-0.4**	**-0.6**	**-0.8**	**-0.6**	**-0.5**
Long Term												
Full Simulation Period[a]	**-0.5**	**-0.6**	**-0.7**	**-0.9**	**-0.9**	**-0.9**	**-0.6**	**-0.5**	**-0.6**	**-0.8**	**-0.7**	**-0.6**
Water Year Types[b]												
Wet (31%)	**-0.6**	**-0.8**	**-1.1**	**-1.2**	**-1.3**	**-1.1**	**-0.8**	**-0.7**	**-0.7**	**-0.8**	**-0.7**	**-0.8**
Above Normal (25%)	**-0.4**	**-0.6**	**-0.6**	**-1.7**	**-1.5**	**-1.2**	**-1.0**	**-0.6**	**-0.6**	**-0.8**	**-0.8**	**-0.7**
Below Normal (6%)	**-0.6**	**-0.7**	**-0.6**	**-0.7**	**-1.2**	**-1.1**	**-0.6**	**-0.5**	**-0.6**	**-0.9**	**-0.7**	**-0.7**
Dry (13%)	**-0.5**	**-0.6**	**-0.6**	**-0.6**	**-0.6**	**-1.1**	**-0.5**	**-0.5**	**-0.5**	**-0.8**	**-0.7**	**-0.5**
Critical (25%)	**-0.5**	**-0.5**	**-0.5**	**-0.6**	**-0.5**	**-0.6**	**-0.5**	**-0.4**	**-0.6**	**-0.8**	**-0.6**	**-0.5**

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-30-1-16. Sacramento River d/s of North Delta Diversion, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	5.0	6.5	10.5	10.4	11.6	10.8	8.1	5.7	5.4	6.0	5.6	6.2
20%	4.9	5.7	5.6	9.5	10.9	9.6	5.6	5.1	5.3	5.9	5.4	5.7
30%	4.8	5.2	5.6	7.5	7.9	7.9	5.1	5.0	5.2	5.8	5.4	5.3
40%	4.8	5.0	5.4	6.0	6.4	6.3	4.9	4.9	5.1	5.7	5.3	5.0
50%	4.8	4.9	5.2	5.9	5.7	6.0	4.8	4.7	5.0	5.7	5.3	5.0
60%	4.8	4.8	5.1	5.4	5.1	5.6	4.7	4.7	5.0	5.7	5.2	4.9
70%	4.7	4.7	4.9	5.3	4.9	5.0	4.7	4.7	5.0	5.7	5.1	4.9
80%	4.6	4.7	4.9	5.1	4.9	4.7	4.6	4.7	4.9	5.4	5.1	4.9
90%	4.6	4.5	4.8	4.7	4.6	4.5	4.5	4.5	4.9	5.3	5.0	4.7
Long Term												
Full Simulation Period[a]	4.8	5.3	6.3	6.8	7.1	6.9	5.6	5.0	5.2	5.7	5.3	5.2
Water Year Types[b]												
Wet (31%)	5.1	6.7	9.7	8.9	10.6	10.1	7.9	5.8	5.6	5.9	5.6	6.1
Above Normal (25%)	4.6	4.7	5.4	10.1	10.1	8.7	5.6	5.0	5.0	5.7	5.3	5.3
Below Normal (6%)	4.8	5.0	4.9	6.0	6.4	5.9	4.8	4.7	5.0	5.3	5.1	4.9
Dry (13%)	4.8	5.0	5.2	5.2	5.2	5.9	4.8	4.9	5.1	5.8	5.4	4.9
Critical (25%)	4.8	4.8	5.0	5.2	4.7	4.8	4.6	4.6	4.9	5.4	5.0	4.8

Alternative 3 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.9	5.9	9.6	9.0	10.5	9.6	7.0	5.0	4.9	5.1	4.8	4.7
20%	4.8	5.2	5.0	8.3	9.6	8.3	4.8	4.7	4.7	5.0	4.7	4.5
30%	4.6	4.3	5.0	6.4	6.6	6.7	4.5	4.4	4.6	5.0	4.7	4.5
40%	4.5	4.3	4.9	5.3	5.3	5.2	4.3	4.4	4.5	4.9	4.7	4.4
50%	4.3	4.3	4.7	5.0	4.9	4.9	4.2	4.3	4.4	4.8	4.6	4.4
60%	4.2	4.2	4.6	4.7	4.5	4.7	4.2	4.3	4.4	4.8	4.5	4.4
70%	4.2	4.2	4.4	4.6	4.4	4.5	4.2	4.2	4.4	4.7	4.5	4.4
80%	4.2	4.1	4.4	4.5	4.4	4.2	4.2	4.2	4.3	4.5	4.4	4.3
90%	4.1	4.0	4.2	4.3	4.1	4.1	4.0	4.1	4.3	4.4	4.3	4.2
Long Term												
Full Simulation Period[a]	4.4	4.7	5.7	5.9	6.3	6.1	5.0	4.5	4.6	4.8	4.6	4.5
Water Year Types[b]												
Wet (31%)	4.5	6.1	8.9	7.6	9.4	8.9	7.1	5.1	5.0	5.0	4.8	4.8
Above Normal (25%)	4.4	4.1	4.8	8.8	8.9	7.4	4.7	4.4	4.4	4.8	4.5	4.3
Below Normal (6%)	4.5	4.2	4.3	5.3	5.3	4.9	4.2	4.2	4.3	4.2	4.4	4.3
Dry (13%)	4.2	4.4	4.6	4.7	4.6	5.1	4.3	4.5	4.6	5.0	4.6	4.4
Critical (25%)	4.6	4.2	4.5	4.6	4.3	4.2	4.1	4.1	4.3	4.6	4.4	4.4

Alternative 3 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	**-0.2**	**-0.6**	**-0.8**	**-1.3**	**-1.1**	**-1.1**	**-1.1**	**-0.7**	**-0.5**	**-0.8**	**-0.8**	**-1.4**
20%	**-0.1**	**-0.5**	**-0.6**	**-1.2**	**-1.3**	**-1.3**	**-0.8**	**-0.4**	**-0.6**	**-0.9**	**-0.7**	**-1.2**
30%	**-0.3**	**-0.8**	**-0.6**	**-1.0**	**-1.3**	**-1.3**	**-0.6**	**-0.6**	**-0.6**	**-0.9**	**-0.7**	**-0.8**
40%	**-0.3**	**-0.7**	**-0.5**	**-0.7**	**-1.0**	**-1.1**	**-0.6**	**-0.5**	**-0.6**	**-0.8**	**-0.7**	**-0.6**
50%	**-0.5**	**-0.6**	**-0.6**	**-0.9**	**-0.8**	**-1.1**	**-0.5**	**-0.4**	**-0.6**	**-0.9**	**-0.7**	**-0.5**
60%	**-0.5**	**-0.5**	**-0.6**	**-0.7**	**-0.6**	**-0.9**	**-0.5**	**-0.4**	**-0.6**	**-0.9**	**-0.7**	**-0.5**
70%	**-0.5**	**-0.5**	**-0.5**	**-0.7**	**-0.5**	**-0.6**	**-0.5**	**-0.5**	**-0.6**	**-1.0**	**-0.6**	**-0.5**
80%	**-0.4**	**-0.6**	**-0.6**	**-0.7**	**-0.5**	**-0.5**	**-0.5**	**-0.5**	**-0.6**	**-0.9**	**-0.7**	**-0.6**
90%	**-0.5**	**-0.5**	**-0.5**	**-0.4**	**-0.4**	**-0.5**	**-0.5**	**-0.4**	**-0.6**	**-0.8**	**-0.6**	**-0.5**
Long Term												
Full Simulation Period[a]	**-0.4**	**-0.6**	**-0.6**	**-0.9**	**-0.8**	**-0.9**	**-0.6**	**-0.5**	**-0.6**	**-0.8**	**-0.7**	**-0.7**
Water Year Types[b]												
Wet (31%)	**-0.6**	**-0.6**	**-0.8**	**-1.2**	**-1.2**	**-1.2**	**-0.8**	**-0.6**	**-0.6**	**-0.9**	**-0.8**	**-1.3**
Above Normal (25%)	**-0.2**	**-0.5**	**-0.6**	**-1.3**	**-1.2**	**-1.3**	**-0.9**	**-0.6**	**-0.6**	**-0.9**	**-0.8**	**-0.9**
Below Normal (6%)	**-0.3**	**-0.7**	**-0.6**	**-0.7**	**-1.0**	**-1.0**	**-0.6**	**-0.5**	**-0.7**	**-1.0**	**-0.7**	**-0.6**
Dry (13%)	**-0.6**	**-0.6**	**-0.5**	**-0.5**	**-0.7**	**-0.8**	**-0.5**	**-0.5**	**-0.6**	**-0.8**	**-0.7**	**-0.5**
Critical (25%)	**-0.2**	**-0.6**	**-0.5**	**-0.7**	**-0.5**	**-0.6**	**-0.5**	**-0.4**	**-0.6**	**-0.8**	**-0.6**	**-0.5**

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-30-1-17. Sacramento River d/s of North Delta Diversion, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	5.0	6.5	10.5	10.4	11.6	10.8	8.1	5.7	5.4	6.0	5.6	6.2
20%	4.9	5.7	5.6	9.5	10.9	9.6	5.6	5.1	5.3	5.9	5.4	5.7
30%	4.8	5.2	5.6	7.5	7.9	7.9	5.1	5.0	5.2	5.8	5.4	5.3
40%	4.8	5.0	5.4	6.0	6.4	6.3	4.9	4.9	5.1	5.7	5.3	5.0
50%	4.8	4.9	5.2	5.9	5.7	6.0	4.8	4.7	5.0	5.7	5.3	5.0
60%	4.8	4.8	5.1	5.4	5.1	5.6	4.7	4.7	5.0	5.7	5.2	4.9
70%	4.7	4.7	4.9	5.3	4.9	5.0	4.7	4.7	5.0	5.7	5.1	4.9
80%	4.6	4.7	4.9	5.1	4.9	4.7	4.6	4.7	4.9	5.4	5.1	4.9
90%	4.6	4.5	4.8	4.7	4.6	4.5	4.5	4.5	4.9	5.3	5.0	4.7
Long Term												
Full Simulation Period[a]	4.8	5.3	6.3	6.8	7.1	6.9	5.6	5.0	5.2	5.7	5.3	5.2
Water Year Types[b]												
Wet (31%)	5.1	6.7	9.7	8.9	10.6	10.1	7.9	5.8	5.6	5.9	5.6	6.1
Above Normal (25%)	4.6	4.7	5.4	10.1	10.1	8.7	5.6	5.0	5.0	5.7	5.3	5.3
Below Normal (6%)	4.8	5.0	4.9	6.0	6.4	5.9	4.8	4.7	5.0	5.3	5.1	4.9
Dry (13%)	4.8	5.0	5.2	5.2	5.2	5.9	4.8	4.9	5.1	5.8	5.4	4.9
Critical (25%)	4.8	4.8	5.0	5.2	4.7	4.8	4.6	4.6	4.9	5.4	5.0	4.8

Alternative 4 H1 (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.6	5.9	9.4	8.8	10.5	9.3	6.9	4.9	4.8	5.2	4.9	4.7
20%	4.4	5.2	5.1	8.0	9.3	8.0	4.7	4.6	4.7	5.2	4.8	4.7
30%	4.4	4.3	5.0	6.3	6.4	6.7	4.5	4.4	4.6	5.1	4.7	4.5
40%	4.4	4.3	4.8	5.0	5.2	5.1	4.3	4.4	4.5	5.0	4.7	4.4
50%	4.3	4.3	4.7	5.0	4.8	4.8	4.2	4.3	4.4	4.9	4.6	4.4
60%	4.3	4.3	4.7	4.9	4.5	4.7	4.2	4.2	4.4	4.8	4.6	4.4
70%	4.2	4.2	4.5	4.7	4.4	4.4	4.2	4.2	4.4	4.7	4.5	4.4
80%	4.1	4.0	4.3	4.7	4.3	4.2	4.1	4.2	4.3	4.6	4.4	4.3
90%	4.1	4.0	4.2	4.4	4.2	4.1	4.0	4.1	4.3	4.4	4.4	4.3
Long Term												
Full Simulation Period[a]	4.3	4.7	5.6	5.9	6.2	6.0	4.9	4.5	4.5	4.9	4.6	4.5
Water Year Types[b]												
Wet (31%)	4.5	6.1	8.7	7.5	9.3	8.8	6.9	5.0	4.9	5.1	4.8	4.8
Above Normal (25%)	4.1	4.1	4.8	8.7	8.9	7.3	4.6	4.4	4.4	5.0	4.6	4.3
Below Normal (6%)	4.4	4.3	4.3	5.3	5.2	4.8	4.2	4.2	4.4	4.4	4.4	4.3
Dry (13%)	4.2	4.4	4.6	4.6	4.5	5.1	4.3	4.5	4.6	5.0	4.7	4.4
Critical (25%)	4.3	4.2	4.5	4.7	4.3	4.2	4.1	4.1	4.3	4.6	4.4	4.3

Alternative 4 H1 (LLT) minus No Action Alternative (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	**-0.5**	**-0.6**	**-1.1**	**-1.6**	**-1.1**	**-1.4**	**-1.3**	**-0.8**	**-0.6**	**-0.7**	**-0.7**	**-1.4**
20%	**-0.5**	**-0.5**	**-0.6**	**-1.5**	**-1.5**	**-1.6**	**-0.8**	**-0.5**	**-0.6**	**-0.7**	**-0.7**	**-1.1**
30%	**-0.5**	**-0.8**	**-0.6**	**-1.2**	**-1.5**	**-1.2**	**-0.6**	**-0.6**	**-0.6**	**-0.8**	**-0.7**	**-0.8**
40%	**-0.5**	**-0.7**	**-0.6**	**-1.0**	**-1.2**	**-1.2**	**-0.6**	**-0.5**	**-0.6**	**-0.7**	**-0.7**	**-0.6**
50%	**-0.5**	**-0.6**	**-0.5**	**-0.9**	**-0.9**	**-1.2**	**-0.6**	**-0.4**	**-0.6**	**-0.8**	**-0.7**	**-0.5**
60%	**-0.5**	**-0.5**	**-0.4**	**-0.5**	**-0.6**	**-0.9**	**-0.5**	**-0.4**	**-0.6**	**-0.9**	**-0.7**	**-0.5**
70%	**-0.5**	**-0.5**	**-0.5**	**-0.5**	**-0.5**	**-0.7**	**-0.5**	**-0.5**	**-0.6**	**-0.9**	**-0.6**	**-0.5**
80%	**-0.5**	**-0.6**	**-0.6**	**-0.4**	**-0.5**	**-0.5**	**-0.5**	**-0.5**	**-0.6**	**-0.8**	**-0.7**	**-0.6**
90%	**-0.5**	**-0.5**	**-0.6**	**-0.4**	**-0.4**	**-0.5**	**-0.5**	**-0.4**	**-0.6**	**-0.8**	**-0.6**	**-0.5**
Long Term												
Full Simulation Period[a]	**-0.5**	**-0.6**	**-0.6**	**-0.9**	**-0.9**	**-0.9**	**-0.7**	**-0.5**	**-0.6**	**-0.8**	**-0.7**	**-0.7**
Water Year Types[b]												
Wet (31%)	**-0.6**	**-0.7**	**-1.0**	**-1.4**	**-1.3**	**-1.2**	**-0.9**	**-0.7**	**-0.7**	**-0.8**	**-0.7**	**-1.3**
Above Normal (25%)	**-0.4**	**-0.6**	**-0.6**	**-1.4**	**-1.2**	**-1.4**	**-1.0**	**-0.6**	**-0.6**	**-0.7**	**-0.8**	**-0.9**
Below Normal (6%)	**-0.5**	**-0.7**	**-0.6**	**-0.7**	**-1.1**	**-1.1**	**-0.6**	**-0.5**	**-0.7**	**-0.9**	**-0.7**	**-0.6**
Dry (13%)	**-0.6**	**-0.6**	**-0.5**	**-0.6**	**-0.7**	**-0.9**	**-0.5**	**-0.5**	**-0.6**	**-0.8**	**-0.7**	**-0.4**
Critical (25%)	**-0.4**	**-0.6**	**-0.5**	**-0.5**	**-0.5**	**-0.6**	**-0.5**	**-0.4**	**-0.6**	**-0.8**	**-0.6**	**-0.5**

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-30-1-18. Sacramento River d/s of North Delta Diversion, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	5.0	6.5	10.5	10.4	11.6	10.8	8.1	5.7	5.4	6.0	5.6	6.2
20%	4.9	5.7	5.6	9.5	10.9	9.6	5.6	5.1	5.3	5.9	5.4	5.7
30%	4.8	5.2	5.6	7.5	7.9	7.9	5.1	5.0	5.2	5.8	5.4	5.3
40%	4.8	5.0	5.4	6.0	6.4	6.3	4.9	4.9	5.1	5.7	5.3	5.0
50%	4.8	4.9	5.2	5.9	5.7	6.0	4.8	4.7	5.0	5.7	5.3	5.0
60%	4.8	4.8	5.1	5.4	5.1	5.6	4.7	4.7	5.0	5.7	5.2	4.9
70%	4.7	4.7	4.9	5.3	4.9	5.0	4.7	4.7	5.0	5.7	5.1	4.9
80%	4.6	4.7	4.9	5.1	4.9	4.7	4.6	4.7	4.9	5.4	5.1	4.9
90%	4.6	4.5	4.8	4.7	4.6	4.5	4.5	4.5	4.9	5.3	5.0	4.7
Long Term												
Full Simulation Period[a]	4.8	5.3	6.3	6.8	7.1	6.9	5.6	5.0	5.2	5.7	5.3	5.2
Water Year Types[b]												
Wet (31%)	5.1	6.7	9.7	8.9	10.6	10.1	7.9	5.8	5.6	5.9	5.6	6.1
Above Normal (25%)	4.6	4.7	5.4	10.1	10.1	8.7	5.6	5.0	5.0	5.7	5.3	5.3
Below Normal (6%)	4.8	5.0	4.9	6.0	6.4	5.9	4.8	4.7	5.0	5.3	5.1	4.9
Dry (13%)	4.8	5.0	5.2	5.2	5.2	5.9	4.8	4.9	5.1	5.8	5.4	4.9
Critical (25%)	4.8	4.8	5.0	5.2	4.7	4.8	4.6	4.6	4.9	5.4	5.0	4.8

Alternative 4 H2 (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.6	6.0	9.5	8.8	10.5	9.3	7.0	4.9	4.7	5.1	4.8	4.7
20%	4.5	5.3	5.1	8.0	9.3	8.1	5.0	4.7	4.7	5.0	4.7	4.5
30%	4.5	4.4	5.0	6.3	6.5	6.9	4.9	4.6	4.6	4.9	4.7	4.5
40%	4.3	4.3	4.8	5.0	5.2	5.1	4.6	4.4	4.5	4.8	4.6	4.4
50%	4.2	4.3	4.7	5.0	4.8	4.9	4.3	4.4	4.4	4.7	4.6	4.4
60%	4.2	4.3	4.5	4.7	4.5	4.7	4.2	4.3	4.4	4.7	4.6	4.4
70%	4.2	4.2	4.4	4.7	4.4	4.4	4.2	4.2	4.3	4.7	4.5	4.4
80%	4.1	4.1	4.2	4.6	4.3	4.2	4.1	4.2	4.3	4.5	4.4	4.3
90%	4.1	4.0	4.2	4.5	4.1	4.1	4.0	4.1	4.3	4.4	4.4	4.2
Long Term												
Full Simulation Period[a]	4.3	4.7	5.6	5.9	6.2	6.0	5.1	4.5	4.5	4.8	4.6	4.5
Water Year Types[b]												
Wet (31%)	4.5	6.1	8.8	7.5	9.2	8.8	7.3	5.1	4.8	5.0	4.8	4.8
Above Normal (25%)	4.2	4.1	4.9	8.8	8.9	7.4	5.1	4.5	4.3	4.6	4.6	4.3
Below Normal (6%)	4.2	4.2	4.2	5.3	5.3	4.9	4.2	4.2	4.4	4.4	4.4	4.3
Dry (13%)	4.2	4.4	4.6	4.6	4.5	5.1	4.3	4.4	4.5	4.9	4.6	4.4
Critical (25%)	4.4	4.2	4.5	4.7	4.3	4.2	4.1	4.1	4.3	4.6	4.4	4.4

Alternative 4 H2 (LLT) minus No Action Alternative (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	**-0.4**	**-0.5**	**-1.0**	**-1.5**	**-1.1**	**-1.4**	**-1.1**	**-0.7**	**-0.7**	**-0.8**	**-0.8**	**-1.4**
20%	**-0.4**	**-0.4**	**-0.5**	**-1.5**	**-1.5**	**-1.6**	**-0.6**	**-0.4**	**-0.6**	**-0.9**	**-0.7**	**-1.2**
30%	**-0.3**	**-0.8**	**-0.6**	**-1.2**	**-1.4**	**-1.0**	**-0.2**	**-0.4**	**-0.6**	**-0.9**	**-0.7**	**-0.8**
40%	**-0.5**	**-0.7**	**-0.6**	**-1.0**	**-1.2**	**-1.2**	**-0.3**	**-0.4**	**-0.6**	**-0.9**	**-0.7**	**-0.5**
50%	**-0.6**	**-0.6**	**-0.5**	**-0.9**	**-0.9**	**-1.2**	**-0.4**	**-0.4**	**-0.6**	**-1.0**	**-0.7**	**-0.5**
60%	**-0.5**	**-0.5**	**-0.6**	**-0.7**	**-0.6**	**-0.9**	**-0.5**	**-0.4**	**-0.7**	**-1.0**	**-0.6**	**-0.5**
70%	**-0.5**	**-0.5**	**-0.5**	**-0.6**	**-0.5**	**-0.7**	**-0.5**	**-0.5**	**-0.6**	**-1.0**	**-0.6**	**-0.5**
80%	**-0.5**	**-0.6**	**-0.7**	**-0.5**	**-0.5**	**-0.5**	**-0.5**	**-0.5**	**-0.6**	**-0.9**	**-0.7**	**-0.6**
90%	**-0.5**	**-0.5**	**-0.6**	**-0.3**	**-0.4**	**-0.4**	**-0.5**	**-0.4**	**-0.6**	**-0.8**	**-0.6**	**-0.5**
Long Term												
Full Simulation Period[a]	**-0.5**	**-0.6**	**-0.6**	**-0.9**	**-0.9**	**-0.9**	**-0.5**	**-0.5**	**-0.7**	**-0.9**	**-0.7**	**-0.7**
Water Year Types[b]												
Wet (31%)	**-0.6**	**-0.6**	**-0.9**	**-1.4**	**-1.4**	**-1.2**	**-0.6**	**-0.7**	**-0.8**	**-0.9**	**-0.7**	**-1.3**
Above Normal (25%)	**-0.4**	**-0.6**	**-0.5**	**-1.3**	**-1.2**	**-1.3**	**-0.5**	**-0.4**	**-0.7**	**-1.1**	**-0.7**	**-0.9**
Below Normal (6%)	**-0.6**	**-0.8**	**-0.7**	**-0.7**	**-1.0**	**-0.9**	**-0.6**	**-0.5**	**-0.6**	**-0.9**	**-0.7**	**-0.6**
Dry (13%)	**-0.6**	**-0.6**	**-0.6**	**-0.6**	**-0.7**	**-0.8**	**-0.5**	**-0.5**	**-0.6**	**-0.9**	**-0.7**	**-0.5**
Critical (25%)	**-0.4**	**-0.6**	**-0.5**	**-0.6**	**-0.5**	**-0.6**	**-0.5**	**-0.4**	**-0.6**	**-0.8**	**-0.5**	**-0.4**

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-30-1-19. Sacramento River d/s of North Delta Diversion, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	5.0	6.5	10.5	10.4	11.6	10.8	8.1	5.7	5.4	6.0	5.6	6.2
20%	4.9	5.7	5.6	9.5	10.9	9.6	5.6	5.1	5.3	5.9	5.4	5.7
30%	4.8	5.2	5.6	7.5	7.9	7.9	5.1	5.0	5.2	5.8	5.4	5.3
40%	4.8	5.0	5.4	6.0	6.4	6.3	4.9	4.9	5.1	5.7	5.3	5.0
50%	4.8	4.9	5.2	5.9	5.7	6.0	4.8	4.7	5.0	5.7	5.3	5.0
60%	4.8	4.8	5.1	5.4	5.1	5.6	4.7	4.7	5.0	5.7	5.2	4.9
70%	4.7	4.7	4.9	5.3	4.9	5.0	4.7	4.7	5.0	5.7	5.1	4.9
80%	4.6	4.7	4.9	5.1	4.9	4.7	4.6	4.7	4.9	5.4	5.1	4.9
90%	4.6	4.5	4.8	4.7	4.6	4.5	4.5	4.5	4.9	5.3	5.0	4.7
Long Term												
Full Simulation Period[a]	4.8	5.3	6.3	6.8	7.1	6.9	5.6	5.0	5.2	5.7	5.3	5.2
Water Year Types[b]												
Wet (31%)	5.1	6.7	9.7	8.9	10.6	10.1	7.9	5.8	5.6	5.9	5.6	6.1
Above Normal (25%)	4.6	4.7	5.4	10.1	10.1	8.7	5.6	5.0	5.0	5.7	5.3	5.3
Below Normal (6%)	4.8	5.0	4.9	6.0	6.4	5.9	4.8	4.7	5.0	5.3	5.1	4.9
Dry (13%)	4.8	5.0	5.2	5.2	5.2	5.9	4.8	4.9	5.1	5.8	5.4	4.9
Critical (25%)	4.8	4.8	5.0	5.2	4.7	4.8	4.6	4.6	4.9	5.4	5.0	4.8

Alternative 4 H3 (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.6	5.9	9.2	8.8	10.2	9.3	6.9	4.9	4.8	5.2	4.8	5.3
20%	4.5	5.2	5.0	8.0	9.3	8.0	4.7	4.6	4.7	5.2	4.7	5.1
30%	4.4	4.4	5.0	6.3	6.4	6.4	4.5	4.4	4.6	5.0	4.7	4.6
40%	4.4	4.3	4.9	5.0	5.2	5.1	4.3	4.4	4.5	5.0	4.7	4.5
50%	4.2	4.3	4.8	5.0	4.8	4.8	4.2	4.3	4.5	4.8	4.6	4.4
60%	4.2	4.3	4.7	5.0	4.5	4.7	4.2	4.2	4.4	4.8	4.6	4.4
70%	4.1	4.2	4.4	4.7	4.4	4.4	4.1	4.2	4.4	4.7	4.5	4.4
80%	4.1	4.0	4.3	4.6	4.3	4.2	4.1	4.2	4.3	4.6	4.4	4.3
90%	4.1	4.0	4.2	4.3	4.1	4.1	4.0	4.1	4.3	4.4	4.4	4.2
Long Term												
Full Simulation Period[a]	4.3	4.7	5.6	5.9	6.2	5.9	4.9	4.5	4.5	4.9	4.6	4.6
Water Year Types[b]												
Wet (31%)	4.5	6.0	8.7	7.5	9.2	8.7	7.0	5.0	4.9	5.1	4.8	5.3
Above Normal (25%)	4.2	4.1	4.9	8.6	8.6	7.3	4.6	4.4	4.4	5.0	4.6	4.5
Below Normal (6%)	4.2	4.3	4.2	5.3	5.2	4.8	4.2	4.2	4.4	4.4	4.4	4.2
Dry (13%)	4.2	4.4	4.6	4.6	4.5	4.9	4.3	4.5	4.6	5.0	4.6	4.4
Critical (25%)	4.3	4.3	4.5	4.7	4.3	4.2	4.1	4.1	4.3	4.6	4.4	4.3

Alternative 4 H3 (LLT) minus No Action Alternative (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	**-0.5**	**-0.6**	**-1.2**	**-1.6**	**-1.4**	**-1.4**	**-1.3**	**-0.7**	**-0.6**	**-0.7**	**-0.8**	**-0.9**
20%	**-0.4**	**-0.5**	**-0.6**	**-1.5**	**-1.5**	**-1.6**	**-0.8**	**-0.5**	**-0.5**	**-0.7**	**-0.7**	**-0.6**
30%	**-0.5**	**-0.7**	**-0.6**	**-1.2**	**-1.5**	**-1.5**	**-0.6**	**-0.6**	**-0.6**	**-0.8**	**-0.7**	**-0.7**
40%	**-0.5**	**-0.6**	**-0.5**	**-1.0**	**-1.2**	**-1.2**	**-0.6**	**-0.5**	**-0.6**	**-0.8**	**-0.7**	**-0.5**
50%	**-0.6**	**-0.6**	**-0.4**	**-0.9**	**-0.9**	**-1.2**	**-0.6**	**-0.4**	**-0.6**	**-0.9**	**-0.7**	**-0.5**
60%	**-0.6**	**-0.5**	**-0.4**	**-0.5**	**-0.6**	**-0.9**	**-0.6**	**-0.4**	**-0.6**	**-0.9**	**-0.7**	**-0.5**
70%	**-0.6**	**-0.5**	**-0.5**	**-0.6**	**-0.5**	**-0.7**	**-0.5**	**-0.5**	**-0.6**	**-1.0**	**-0.6**	**-0.5**
80%	**-0.5**	**-0.6**	**-0.6**	**-0.5**	**-0.5**	**-0.5**	**-0.5**	**-0.5**	**-0.6**	**-0.8**	**-0.7**	**-0.5**
90%	**-0.5**	**-0.5**	**-0.6**	**-0.5**	**-0.4**	**-0.5**	**-0.5**	**-0.4**	**-0.6**	**-0.8**	**-0.6**	**-0.5**
Long Term												
Full Simulation Period[a]	**-0.5**	**-0.6**	**-0.6**	**-0.9**	**-0.9**	**-1.0**	**-0.7**	**-0.5**	**-0.6**	**-0.8**	**-0.7**	**-0.6**
Water Year Types[b]												
Wet (31%)	**-0.6**	**-0.7**	**-1.0**	**-1.4**	**-1.4**	**-1.4**	**-0.8**	**-0.7**	**-0.7**	**-0.8**	**-0.7**	**-0.8**
Above Normal (25%)	**-0.3**	**-0.6**	**-0.5**	**-1.5**	**-1.5**	**-1.4**	**-1.0**	**-0.6**	**-0.6**	**-0.8**	**-0.8**	**-0.8**
Below Normal (6%)	**-0.6**	**-0.7**	**-0.7**	**-0.7**	**-1.1**	**-1.1**	**-0.6**	**-0.5**	**-0.6**	**-0.9**	**-0.7**	**-0.7**
Dry (13%)	**-0.5**	**-0.6**	**-0.5**	**-0.6**	**-0.7**	**-1.0**	**-0.5**	**-0.5**	**-0.6**	**-0.8**	**-0.7**	**-0.5**
Critical (25%)	**-0.5**	**-0.6**	**-0.5**	**-0.6**	**-0.5**	**-0.6**	**-0.5**	**-0.4**	**-0.6**	**-0.8**	**-0.6**	**-0.5**

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-30-1-20. Sacramento River d/s of North Delta Diversion, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	5.0	6.5	10.5	10.4	11.6	10.8	8.1	5.7	5.4	6.0	5.6	6.2
20%	4.9	5.7	5.6	9.5	10.9	9.6	5.6	5.1	5.3	5.9	5.4	5.7
30%	4.8	5.2	5.6	7.5	7.9	7.9	5.1	5.0	5.2	5.8	5.4	5.3
40%	4.8	5.0	5.4	6.0	6.4	6.3	4.9	4.9	5.1	5.7	5.3	5.0
50%	4.8	4.9	5.2	5.9	5.7	6.0	4.8	4.7	5.0	5.7	5.3	5.0
60%	4.8	4.8	5.1	5.4	5.1	5.6	4.7	4.7	5.0	5.7	5.2	4.9
70%	4.7	4.7	4.9	5.3	4.9	5.0	4.7	4.7	5.0	5.7	5.1	4.9
80%	4.6	4.7	4.9	5.1	4.9	4.7	4.6	4.7	4.9	5.4	5.1	4.9
90%	4.6	4.5	4.8	4.7	4.6	4.5	4.5	4.5	4.9	5.3	5.0	4.7
Long Term												
Full Simulation Period[a]	4.8	5.3	6.3	6.8	7.1	6.9	5.6	5.0	5.2	5.7	5.3	5.2
Water Year Types[b]												
Wet (31%)	5.1	6.7	9.7	8.9	10.6	10.1	7.9	5.8	5.6	5.9	5.6	6.1
Above Normal (25%)	4.6	4.7	5.4	10.1	10.1	8.7	5.6	5.0	5.0	5.7	5.3	5.3
Below Normal (6%)	4.8	5.0	4.9	6.0	6.4	5.9	4.8	4.7	5.0	5.3	5.1	4.9
Dry (13%)	4.8	5.0	5.2	5.2	5.2	5.9	4.8	4.9	5.1	5.8	5.4	4.9
Critical (25%)	4.8	4.8	5.0	5.2	4.7	4.8	4.6	4.6	4.9	5.4	5.0	4.8

Alternative 4 H4 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.6	5.8	9.3	8.8	10.2	9.3	7.0	4.9	4.7	5.1	4.8	5.3
20%	4.5	5.2	5.0	8.0	9.3	8.1	5.0	4.7	4.7	4.9	4.7	5.2
30%	4.4	4.4	5.0	6.3	6.5	6.8	4.9	4.6	4.6	4.9	4.7	4.6
40%	4.3	4.3	4.8	5.0	5.2	5.1	4.6	4.4	4.5	4.7	4.6	4.5
50%	4.3	4.3	4.7	4.9	4.8	4.8	4.3	4.3	4.4	4.7	4.6	4.4
60%	4.2	4.3	4.5	4.7	4.5	4.7	4.2	4.3	4.3	4.7	4.6	4.4
70%	4.1	4.2	4.4	4.6	4.4	4.4	4.2	4.2	4.3	4.6	4.6	4.4
80%	4.1	4.1	4.3	4.4	4.3	4.2	4.1	4.2	4.3	4.5	4.4	4.4
90%	4.1	4.0	4.2	4.2	4.1	4.1	4.0	4.1	4.3	4.5	4.3	4.2
Long Term												
Full Simulation Period[a]	4.3	4.7	5.6	5.9	6.2	6.0	5.1	4.5	4.5	4.8	4.6	4.6
Water Year Types[b]												
Wet (31%)	4.5	6.0	8.7	7.5	9.2	8.7	7.3	5.1	4.8	5.0	4.8	5.3
Above Normal (25%)	4.2	4.1	4.9	8.8	8.7	7.4	5.1	4.5	4.3	4.6	4.6	4.5
Below Normal (6%)	4.2	4.3	4.3	5.3	5.3	4.8	4.2	4.2	4.4	4.4	4.3	4.2
Dry (13%)	4.2	4.4	4.6	4.6	4.5	5.1	4.3	4.4	4.5	4.8	4.6	4.4
Critical (25%)	4.3	4.3	4.5	4.5	4.3	4.2	4.1	4.1	4.3	4.6	4.5	4.4

Alternative 4 H4 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	**-0.5**	**-0.7**	**-1.2**	**-1.5**	**-1.4**	**-1.4**	**-1.1**	**-0.7**	**-0.7**	**-0.8**	**-0.8**	**-0.9**
20%	**-0.4**	**-0.5**	**-0.6**	**-1.5**	**-1.5**	**-1.6**	**-0.6**	**-0.5**	**-0.6**	**-1.0**	**-0.7**	**-0.6**
30%	**-0.4**	**-0.7**	**-0.6**	**-1.2**	**-1.4**	**-1.2**	**-0.2**	**-0.5**	**-0.6**	**-1.0**	**-0.7**	**-0.7**
40%	**-0.5**	**-0.6**	**-0.6**	**-1.0**	**-1.2**	**-1.2**	**-0.3**	**-0.4**	**-0.6**	**-1.0**	**-0.7**	**-0.5**
50%	**-0.5**	**-0.6**	**-0.5**	**-0.9**	**-0.9**	**-1.2**	**-0.4**	**-0.4**	**-0.6**	**-1.0**	**-0.7**	**-0.5**
60%	**-0.5**	**-0.5**	**-0.6**	**-0.7**	**-0.6**	**-0.9**	**-0.5**	**-0.4**	**-0.7**	**-1.0**	**-0.6**	**-0.5**
70%	**-0.6**	**-0.5**	**-0.5**	**-0.7**	**-0.5**	**-0.7**	**-0.5**	**-0.5**	**-0.6**	**-1.0**	**-0.6**	**-0.5**
80%	**-0.5**	**-0.6**	**-0.6**	**-0.8**	**-0.5**	**-0.5**	**-0.5**	**-0.5**	**-0.6**	**-0.9**	**-0.7**	**-0.5**
90%	**-0.5**	**-0.5**	**-0.6**	**-0.5**	**-0.4**	**-0.5**	**-0.4**	**-0.4**	**-0.6**	**-0.8**	**-0.6**	**-0.5**
Long Term												
Full Simulation Period[a]	**-0.5**	**-0.6**	**-0.7**	**-0.9**	**-0.9**	**-1.0**	**-0.5**	**-0.5**	**-0.7**	**-0.9**	**-0.7**	**-0.6**
Water Year Types[b]												
Wet (31%)	**-0.5**	**-0.8**	**-1.0**	**-1.4**	**-1.4**	**-1.3**	**-0.6**	**-0.7**	**-0.8**	**-0.9**	**-0.7**	**-0.8**
Above Normal (25%)	**-0.3**	**-0.6**	**-0.5**	**-1.3**	**-1.4**	**-1.4**	**-0.5**	**-0.4**	**-0.7**	**-1.1**	**-0.7**	**-0.7**
Below Normal (6%)	**-0.7**	**-0.7**	**-0.6**	**-0.7**	**-1.1**	**-1.1**	**-0.6**	**-0.5**	**-0.6**	**-0.9**	**-0.8**	**-0.6**
Dry (13%)	**-0.6**	**-0.6**	**-0.6**	**-0.6**	**-0.7**	**-0.8**	**-0.6**	**-0.5**	**-0.6**	**-0.9**	**-0.7**	**-0.5**
Critical (25%)	**-0.5**	**-0.5**	**-0.5**	**-0.7**	**-0.5**	**-0.6**	**-0.5**	**-0.4**	**-0.6**	**-0.8**	**-0.5**	**-0.4**

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-30-1-21. Sacramento River d/s of North Delta Diversion, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	5.0	6.5	10.5	10.4	11.6	10.8	8.1	5.7	5.4	6.0	5.6	6.2
20%	4.9	5.7	5.6	9.5	10.9	9.6	5.6	5.1	5.3	5.9	5.4	5.7
30%	4.8	5.2	5.6	7.5	7.9	7.9	5.1	5.0	5.2	5.8	5.4	5.3
40%	4.8	5.0	5.4	6.0	6.4	6.3	4.9	4.9	5.1	5.7	5.3	5.0
50%	4.8	4.9	5.2	5.9	5.7	6.0	4.8	4.7	5.0	5.7	5.3	5.0
60%	4.8	4.8	5.1	5.4	5.1	5.6	4.7	4.7	5.0	5.7	5.2	4.9
70%	4.7	4.7	4.9	5.3	4.9	5.0	4.7	4.7	5.0	5.7	5.1	4.9
80%	4.6	4.7	4.9	5.1	4.9	4.7	4.6	4.7	4.9	5.4	5.1	4.9
90%	4.6	4.5	4.8	4.7	4.6	4.5	4.5	4.5	4.9	5.3	5.0	4.7
Long Term												
Full Simulation Period[a]	4.8	5.3	6.3	6.8	7.1	6.9	5.6	5.0	5.2	5.7	5.3	5.2
Water Year Types[b]												
Wet (31%)	5.1	6.7	9.7	8.9	10.6	10.1	7.9	5.8	5.6	5.9	5.6	6.1
Above Normal (25%)	4.6	4.7	5.4	10.1	10.1	8.7	5.6	5.0	5.0	5.7	5.3	5.3
Below Normal (6%)	4.8	5.0	4.9	6.0	6.4	5.9	4.8	4.7	5.0	5.3	5.1	4.9
Dry (13%)	4.8	5.0	5.2	5.2	5.2	5.9	4.8	4.9	5.1	5.8	5.4	4.9
Critical (25%)	4.8	4.8	5.0	5.2	4.7	4.8	4.6	4.6	4.9	5.4	5.0	4.8

Alternative 5 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.5	6.0	9.7	9.3	10.8	9.9	7.3	5.0	4.8	5.2	4.9	5.3
20%	4.5	5.1	5.0	8.5	10.0	8.6	4.9	4.6	4.7	5.1	4.8	5.1
30%	4.4	4.5	4.9	6.5	6.8	6.9	4.6	4.4	4.6	5.0	4.7	4.5
40%	4.4	4.4	4.9	5.1	5.5	5.3	4.3	4.4	4.5	5.0	4.6	4.4
50%	4.2	4.3	4.7	5.1	4.9	5.1	4.3	4.3	4.5	5.0	4.6	4.4
60%	4.2	4.3	4.6	4.8	4.5	4.8	4.2	4.2	4.4	4.9	4.5	4.4
70%	4.1	4.2	4.4	4.6	4.4	4.4	4.2	4.2	4.4	4.8	4.5	4.4
80%	4.1	4.0	4.3	4.6	4.4	4.2	4.1	4.2	4.4	4.6	4.4	4.3
90%	4.1	4.0	4.3	4.3	4.1	4.1	4.0	4.1	4.3	4.5	4.3	4.2
Long Term												
Full Simulation Period[a]	4.3	4.8	5.7	6.0	6.4	6.2	5.0	4.5	4.6	4.9	4.6	4.6
Water Year Types[b]												
Wet (31%)	4.4	6.2	9.0	7.9	9.7	9.2	7.2	5.2	5.0	5.1	4.8	5.3
Above Normal (25%)	4.0	4.1	4.8	9.2	9.2	7.7	4.8	4.4	4.5	4.9	4.5	4.5
Below Normal (6%)	4.2	4.3	4.3	5.3	5.5	5.0	4.2	4.2	4.5	4.6	4.3	4.2
Dry (13%)	4.2	4.4	4.6	4.6	4.6	5.1	4.3	4.4	4.6	5.0	4.7	4.3
Critical (25%)	4.3	4.3	4.5	4.6	4.3	4.2	4.1	4.1	4.3	4.7	4.4	4.3

Alternative 5 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	**-0.5**	**-0.5**	**-0.7**	**-1.1**	**-0.8**	**-0.8**	**-0.9**	**-0.6**	**-0.6**	**-0.8**	**-0.7**	**-0.9**
20%	**-0.4**	**-0.6**	**-0.7**	**-1.0**	**-0.9**	**-1.0**	**-0.7**	**-0.5**	**-0.6**	**-0.8**	**-0.6**	**-0.6**
30%	**-0.4**	**-0.7**	**-0.6**	**-0.9**	**-1.0**	**-1.1**	**-0.5**	**-0.6**	**-0.5**	**-0.8**	**-0.7**	**-0.8**
40%	**-0.5**	**-0.6**	**-0.6**	**-0.9**	**-0.9**	**-1.0**	**-0.6**	**-0.5**	**-0.6**	**-0.7**	**-0.7**	**-0.5**
50%	**-0.6**	**-0.6**	**-0.6**	**-0.8**	**-0.8**	**-0.9**	**-0.5**	**-0.4**	**-0.5**	**-0.7**	**-0.7**	**-0.5**
60%	**-0.6**	**-0.5**	**-0.6**	**-0.7**	**-0.6**	**-0.8**	**-0.5**	**-0.5**	**-0.6**	**-0.8**	**-0.7**	**-0.5**
70%	**-0.6**	**-0.5**	**-0.5**	**-0.6**	**-0.5**	**-0.6**	**-0.5**	**-0.5**	**-0.6**	**-0.9**	**-0.6**	**-0.5**
80%	**-0.5**	**-0.6**	**-0.6**	**-0.6**	**-0.5**	**-0.5**	**-0.5**	**-0.5**	**-0.6**	**-0.8**	**-0.7**	**-0.6**
90%	**-0.5**	**-0.5**	**-0.5**	**-0.4**	**-0.4**	**-0.5**	**-0.5**	**-0.4**	**-0.6**	**-0.7**	**-0.6**	**-0.5**
Long Term												
Full Simulation Period[a]	**-0.5**	**-0.6**	**-0.6**	**-0.7**	**-0.7**	**-0.8**	**-0.6**	**-0.5**	**-0.6**	**-0.8**	**-0.7**	**-0.6**
Water Year Types[b]												
Wet (31%)	**-0.6**	**-0.5**	**-0.7**	**-1.0**	**-0.9**	**-0.9**	**-0.6**	**-0.6**	**-0.6**	**-0.8**	**-0.7**	**-0.8**
Above Normal (25%)	**-0.5**	**-0.5**	**-0.6**	**-0.9**	**-0.9**	**-1.0**	**-0.8**	**-0.6**	**-0.5**	**-0.8**	**-0.8**	**-0.8**
Below Normal (6%)	**-0.7**	**-0.7**	**-0.6**	**-0.7**	**-0.9**	**-0.9**	**-0.6**	**-0.5**	**-0.6**	**-0.7**	**-0.7**	**-0.7**
Dry (13%)	**-0.6**	**-0.6**	**-0.6**	**-0.6**	**-0.6**	**-0.8**	**-0.5**	**-0.5**	**-0.6**	**-0.8**	**-0.7**	**-0.5**
Critical (25%)	**-0.4**	**-0.6**	**-0.5**	**-0.6**	**-0.5**	**-0.5**	**-0.5**	**-0.5**	**-0.6**	**-0.7**	**-0.6**	**-0.5**

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-30-1-22. Sacramento River d/s of North Delta Diversion, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	5.0	6.5	10.5	10.4	11.6	10.8	8.1	5.7	5.4	6.0	5.6	6.2
20%	4.9	5.7	5.6	9.5	10.9	9.6	5.6	5.1	5.3	5.9	5.4	5.7
30%	4.8	5.2	5.6	7.5	7.9	7.9	5.1	5.0	5.2	5.8	5.4	5.3
40%	4.8	5.0	5.4	6.0	6.4	6.3	4.9	4.9	5.1	5.7	5.3	5.0
50%	4.8	4.9	5.2	5.9	5.7	6.0	4.8	4.7	5.0	5.7	5.3	5.0
60%	4.8	4.8	5.1	5.4	5.1	5.6	4.7	4.7	5.0	5.7	5.2	4.9
70%	4.7	4.7	4.9	5.3	4.9	5.0	4.7	4.7	5.0	5.7	5.1	4.9
80%	4.6	4.7	4.9	5.1	4.9	4.7	4.6	4.7	4.9	5.4	5.1	4.9
90%	4.6	4.5	4.8	4.7	4.6	4.5	4.5	4.5	4.9	5.3	5.0	4.7
Long Term												
Full Simulation Period[a]	4.8	5.3	6.3	6.8	7.1	6.9	5.6	5.0	5.2	5.7	5.3	5.2
Water Year Types[b]												
Wet (31%)	5.1	6.7	9.7	8.9	10.6	10.1	7.9	5.8	5.6	5.9	5.6	6.1
Above Normal (25%)	4.6	4.7	5.4	10.1	10.1	8.7	5.6	5.0	5.0	5.7	5.3	5.3
Below Normal (6%)	4.8	5.0	4.9	6.0	6.4	5.9	4.8	4.7	5.0	5.3	5.1	4.9
Dry (13%)	4.8	5.0	5.2	5.2	5.2	5.9	4.8	4.9	5.1	5.8	5.4	4.9
Critical (25%)	4.8	4.8	5.0	5.2	4.7	4.8	4.6	4.6	4.9	5.4	5.0	4.8

Alternative 6A,6B,6C (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.5	6.2	9.1	8.2	10.0	9.3	6.9	4.8	4.7	5.0	4.9	5.1
20%	4.4	5.3	5.0	7.8	9.1	8.3	4.8	4.5	4.6	4.8	4.8	5.0
30%	4.3	4.5	5.0	6.4	6.2	6.5	4.5	4.4	4.5	4.8	4.7	4.6
40%	4.3	4.4	4.8	5.2	5.2	5.1	4.3	4.4	4.4	4.8	4.7	4.5
50%	4.3	4.3	4.7	5.1	4.9	4.8	4.2	4.3	4.4	4.7	4.6	4.5
60%	4.2	4.3	4.5	4.8	4.9	4.7	4.2	4.2	4.3	4.7	4.6	4.5
70%	4.2	4.3	4.4	4.6	4.4	4.4	4.2	4.2	4.3	4.7	4.5	4.4
80%	4.2	4.0	4.3	4.3	4.3	4.2	4.1	4.1	4.2	4.6	4.5	4.4
90%	4.1	4.0	4.2	4.2	4.1	4.0	4.0	4.0	4.2	4.5	4.4	4.2
Long Term												
Full Simulation Period[a]	4.3	4.7	5.6	5.8	6.1	6.0	4.9	4.4	4.5	4.7	4.6	4.6
Water Year Types[b]												
Wet (31%)	4.5	6.0	8.7	7.4	9.2	8.8	7.0	5.0	4.8	5.0	4.9	5.1
Above Normal (25%)	4.0	4.2	4.8	8.2	8.1	7.5	4.6	4.4	4.3	4.7	4.6	4.5
Below Normal (6%)	4.2	4.3	4.2	5.3	5.2	4.7	4.2	4.2	4.4	4.5	4.5	4.4
Dry (13%)	4.3	4.4	4.6	4.6	4.6	5.0	4.3	4.3	4.5	4.7	4.6	4.4
Critical (25%)	4.3	4.3	4.5	4.5	4.3	4.1	4.0	4.1	4.3	4.6	4.5	4.4

Alternative 6A,6B,6C (LLT) minus No Action Alternative (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	**-0.5**	**-0.3**	**-1.3**	**-2.1**	**-1.6**	**-1.5**	**-1.2**	**-0.8**	**-0.7**	**-1.0**	**-0.7**	**-1.0**
20%	**-0.5**	**-0.4**	**-0.6**	**-1.8**	**-1.7**	**-1.3**	**-0.8**	**-0.7**	**-0.7**	**-1.1**	**-0.7**	**-0.7**
30%	**-0.5**	**-0.7**	**-0.6**	**-1.0**	**-1.7**	**-1.4**	**-0.6**	**-0.6**	**-0.7**	**-1.0**	**-0.7**	**-0.7**
40%	**-0.5**	**-0.6**	**-0.7**	**-0.8**	**-1.1**	**-1.2**	**-0.6**	**-0.5**	**-0.7**	**-0.9**	**-0.7**	**-0.4**
50%	**-0.6**	**-0.5**	**-0.5**	**-0.8**	**-0.8**	**-1.2**	**-0.6**	**-0.4**	**-0.7**	**-1.0**	**-0.7**	**-0.5**
60%	**-0.5**	**-0.5**	**-0.6**	**-0.7**	**-0.2**	**-0.8**	**-0.5**	**-0.5**	**-0.7**	**-1.0**	**-0.7**	**-0.4**
70%	**-0.5**	**-0.4**	**-0.5**	**-0.6**	**-0.5**	**-0.7**	**-0.5**	**-0.5**	**-0.6**	**-1.0**	**-0.6**	**-0.5**
80%	**-0.5**	**-0.6**	**-0.7**	**-0.8**	**-0.5**	**-0.5**	**-0.6**	**-0.5**	**-0.7**	**-0.8**	**-0.6**	**-0.5**
90%	**-0.5**	**-0.5**	**-0.6**	**-0.5**	**-0.4**	**-0.5**	**-0.5**	**-0.5**	**-0.6**	**-0.7**	**-0.5**	**-0.5**
Long Term												
Full Simulation Period[a]	**-0.5**	**-0.6**	**-0.7**	**-1.0**	**-0.9**	**-1.0**	**-0.7**	**-0.6**	**-0.7**	**-0.9**	**-0.6**	**-0.6**
Water Year Types[b]												
Wet (31%)	**-0.5**	**-0.7**	**-1.0**	**-1.5**	**-1.3**	**-1.2**	**-0.8**	**-0.7**	**-0.8**	**-0.9**	**-0.7**	**-1.0**
Above Normal (25%)	**-0.5**	**-0.5**	**-0.6**	**-1.9**	**-2.0**	**-1.3**	**-1.0**	**-0.6**	**-0.7**	**-1.0**	**-0.8**	**-0.8**
Below Normal (6%)	**-0.6**	**-0.7**	**-0.7**	**-0.7**	**-1.1**	**-1.1**	**-0.5**	**-0.5**	**-0.7**	**-0.8**	**-0.6**	**-0.5**
Dry (13%)	**-0.5**	**-0.6**	**-0.6**	**-0.6**	**-0.6**	**-0.9**	**-0.5**	**-0.6**	**-0.7**	**-1.0**	**-0.7**	**-0.4**
Critical (25%)	**-0.5**	**-0.5**	**-0.5**	**-0.7**	**-0.4**	**-0.6**	**-0.5**	**-0.5**	**-0.6**	**-0.8**	**-0.5**	**-0.4**

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-30-1-23. Sacramento River d/s of North Delta Diversion, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	5.0	6.5	10.5	10.4	11.6	10.8	8.1	5.7	5.4	6.0	5.6	6.2
20%	4.9	5.7	5.6	9.5	10.9	9.6	5.6	5.1	5.3	5.9	5.4	5.7
30%	4.8	5.2	5.6	7.5	7.9	7.9	5.1	5.0	5.2	5.8	5.4	5.3
40%	4.8	5.0	5.4	6.0	6.4	6.3	4.9	4.9	5.1	5.7	5.3	5.0
50%	4.8	4.9	5.2	5.9	5.7	6.0	4.8	4.7	5.0	5.7	5.3	5.0
60%	4.8	4.8	5.1	5.4	5.1	5.6	4.7	4.7	5.0	5.7	5.2	4.9
70%	4.7	4.7	4.9	5.3	4.9	5.0	4.7	4.7	5.0	5.7	5.1	4.9
80%	4.6	4.7	4.9	5.1	4.9	4.7	4.6	4.7	4.9	5.4	5.1	4.9
90%	4.6	4.5	4.8	4.7	4.6	4.5	4.5	4.5	4.9	5.3	5.0	4.7
Long Term												
Full Simulation Period[a]	4.8	5.3	6.3	6.8	7.1	6.9	5.6	5.0	5.2	5.7	5.3	5.2
Water Year Types[b]												
Wet (31%)	5.1	6.7	9.7	8.9	10.6	10.1	7.9	5.8	5.6	5.9	5.6	6.1
Above Normal (25%)	4.6	4.7	5.4	10.1	10.1	8.7	5.6	5.0	5.0	5.7	5.3	5.3
Below Normal (6%)	4.8	5.0	4.9	6.0	6.4	5.9	4.8	4.7	5.0	5.3	5.1	4.9
Dry (13%)	4.8	5.0	5.2	5.2	5.2	5.9	4.8	4.9	5.1	5.8	5.4	4.9
Critical (25%)	4.8	4.8	5.0	5.2	4.7	4.8	4.6	4.6	4.9	5.4	5.0	4.8

Alternative 7 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.5	6.0	9.5	8.7	10.2	9.3	6.8	4.8	4.8	5.2	4.9	5.3
20%	4.4	5.2	5.0	8.1	9.3	8.0	4.7	4.5	4.6	5.1	4.7	5.1
30%	4.3	4.5	5.0	6.2	6.4	6.3	4.5	4.4	4.6	4.9	4.7	4.5
40%	4.3	4.4	4.7	5.0	5.1	5.0	4.3	4.4	4.5	4.9	4.7	4.5
50%	4.3	4.4	4.7	5.0	4.9	4.8	4.2	4.3	4.5	4.8	4.6	4.4
60%	4.3	4.3	4.5	4.7	4.8	4.7	4.2	4.2	4.4	4.8	4.6	4.4
70%	4.2	4.3	4.4	4.6	4.4	4.4	4.2	4.2	4.3	4.7	4.6	4.4
80%	4.2	4.1	4.3	4.4	4.3	4.2	4.1	4.1	4.3	4.6	4.5	4.3
90%	4.1	4.0	4.2	4.2	4.1	4.0	4.0	4.1	4.3	4.6	4.4	4.2
Long Term												
Full Simulation Period[a]	4.3	4.8	5.6	5.8	6.2	5.9	4.9	4.4	4.5	4.8	4.6	4.6
Water Year Types[b]												
Wet (31%)	4.5	6.1	8.8	7.4	9.1	8.7	6.9	5.0	4.9	5.1	4.8	5.3
Above Normal (25%)	4.0	4.2	4.8	8.7	8.6	7.1	4.6	4.4	4.4	4.7	4.6	4.5
Below Normal (6%)	4.3	4.3	4.2	5.3	5.2	4.9	4.3	4.2	4.3	4.6	4.4	4.3
Dry (13%)	4.3	4.4	4.6	4.6	4.6	5.0	4.3	4.3	4.5	5.0	4.7	4.3
Critical (25%)	4.2	4.3	4.5	4.5	4.3	4.2	4.1	4.2	4.4	4.6	4.5	4.3

Alternative 7 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	**-0.5**	**-0.5**	**-0.9**	**-1.7**	**-1.4**	**-1.4**	**-1.3**	**-0.8**	**-0.7**	**-0.8**	**-0.7**	**-0.9**
20%	**-0.5**	**-0.5**	**-0.6**	**-1.5**	**-1.6**	**-1.6**	**-0.9**	**-0.6**	**-0.6**	**-0.8**	**-0.7**	**-0.6**
30%	**-0.5**	**-0.7**	**-0.6**	**-1.2**	**-1.5**	**-1.6**	**-0.6**	**-0.6**	**-0.6**	**-0.9**	**-0.7**	**-0.7**
40%	**-0.5**	**-0.6**	**-0.7**	**-1.0**	**-1.3**	**-1.3**	**-0.6**	**-0.5**	**-0.6**	**-0.9**	**-0.7**	**-0.5**
50%	**-0.5**	**-0.5**	**-0.5**	**-0.9**	**-0.8**	**-1.2**	**-0.5**	**-0.4**	**-0.6**	**-0.9**	**-0.7**	**-0.5**
60%	**-0.5**	**-0.5**	**-0.6**	**-0.7**	**-0.2**	**-0.9**	**-0.5**	**-0.5**	**-0.6**	**-0.9**	**-0.7**	**-0.5**
70%	**-0.5**	**-0.4**	**-0.5**	**-0.6**	**-0.5**	**-0.7**	**-0.5**	**-0.5**	**-0.6**	**-1.0**	**-0.6**	**-0.5**
80%	**-0.5**	**-0.6**	**-0.7**	**-0.8**	**-0.5**	**-0.5**	**-0.6**	**-0.5**	**-0.6**	**-0.8**	**-0.6**	**-0.5**
90%	**-0.5**	**-0.5**	**-0.6**	**-0.5**	**-0.4**	**-0.5**	**-0.5**	**-0.4**	**-0.6**	**-0.7**	**-0.5**	**-0.5**
Long Term												
Full Simulation Period[a]	**-0.5**	**-0.6**	**-0.7**	**-1.0**	**-0.9**	**-1.0**	**-0.7**	**-0.6**	**-0.6**	**-0.8**	**-0.6**	**-0.6**
Water Year Types[b]												
Wet (31%)	**-0.5**	**-0.7**	**-0.9**	**-1.5**	**-1.4**	**-1.4**	**-1.0**	**-0.8**	**-0.7**	**-0.8**	**-0.8**	**-0.8**
Above Normal (25%)	**-0.5**	**-0.5**	**-0.6**	**-1.4**	**-1.5**	**-1.7**	**-1.0**	**-0.6**	**-0.6**	**-1.0**	**-0.8**	**-0.7**
Below Normal (6%)	**-0.6**	**-0.7**	**-0.7**	**-0.7**	**-1.2**	**-1.0**	**-0.5**	**-0.5**	**-0.7**	**-0.7**	**-0.7**	**-0.6**
Dry (13%)	**-0.5**	**-0.6**	**-0.6**	**-0.6**	**-0.7**	**-0.9**	**-0.5**	**-0.6**	**-0.6**	**-0.8**	**-0.7**	**-0.5**
Critical (25%)	**-0.5**	**-0.5**	**-0.5**	**-0.7**	**-0.4**	**-0.6**	**-0.5**	**-0.4**	**-0.5**	**-0.8**	**-0.5**	**-0.5**

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-30-1-24. Sacramento River d/s of North Delta Diversion, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	5.0	6.5	10.5	10.4	11.6	10.8	8.1	5.7	5.4	6.0	5.6	6.2
20%	4.9	5.7	5.6	9.5	10.9	9.6	5.6	5.1	5.3	5.9	5.4	5.7
30%	4.8	5.2	5.6	7.5	7.9	7.9	5.1	5.0	5.2	5.8	5.4	5.3
40%	4.8	5.0	5.4	6.0	6.4	6.3	4.9	4.9	5.1	5.7	5.3	5.0
50%	4.8	4.9	5.2	5.9	5.7	6.0	4.8	4.7	5.0	5.7	5.3	5.0
60%	4.8	4.8	5.1	5.4	5.1	5.6	4.7	4.7	5.0	5.7	5.2	4.9
70%	4.7	4.7	4.9	5.3	4.9	5.0	4.7	4.7	5.0	5.7	5.1	4.9
80%	4.6	4.7	4.9	5.1	4.9	4.7	4.6	4.7	4.9	5.4	5.1	4.9
90%	4.6	4.5	4.8	4.7	4.6	4.5	4.5	4.5	4.9	5.3	5.0	4.7
Long Term												
Full Simulation Period[a]	4.8	5.3	6.3	6.8	7.1	6.9	5.6	5.0	5.2	5.7	5.3	5.2
Water Year Types[b]												
Wet (31%)	5.1	6.7	9.7	8.9	10.6	10.1	7.9	5.8	5.6	5.9	5.6	6.1
Above Normal (25%)	4.6	4.7	5.4	10.1	10.1	8.7	5.6	5.0	5.0	5.7	5.3	5.3
Below Normal (6%)	4.8	5.0	4.9	6.0	6.4	5.9	4.8	4.7	5.0	5.3	5.1	4.9
Dry (13%)	4.8	5.0	5.2	5.2	5.2	5.9	4.8	4.9	5.1	5.8	5.4	4.9
Critical (25%)	4.8	4.8	5.0	5.2	4.7	4.8	4.6	4.6	4.9	5.4	5.0	4.8

Alternative 8 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.5	6.2	9.5	8.7	10.1	9.3	7.0	5.0	4.7	4.9	4.8	5.2
20%	4.3	5.3	5.0	8.1	9.3	7.9	5.0	4.6	4.6	4.7	4.7	5.0
30%	4.3	4.4	5.0	6.3	6.8	6.7	4.6	4.5	4.5	4.7	4.6	4.5
40%	4.2	4.4	4.7	5.4	5.1	5.2	4.4	4.4	4.5	4.7	4.6	4.4
50%	4.1	4.3	4.7	5.1	5.0	5.1	4.3	4.4	4.5	4.7	4.6	4.4
60%	4.1	4.3	4.5	4.8	4.9	4.8	4.3	4.4	4.4	4.6	4.5	4.4
70%	4.1	4.3	4.4	4.7	4.5	4.6	4.3	4.3	4.3	4.6	4.4	4.4
80%	4.0	4.0	4.2	4.4	4.4	4.3	4.2	4.2	4.3	4.6	4.4	4.2
90%	4.0	4.0	4.2	4.3	4.2	4.2	4.2	4.2	4.3	4.4	4.4	4.2
Long Term												
Full Simulation Period[a]	4.2	4.8	5.6	5.9	6.2	6.0	5.0	4.6	4.5	4.7	4.6	4.5
Water Year Types[b]												
Wet (31%)	4.5	6.3	8.8	7.5	9.1	8.7	6.9	5.3	4.9	4.9	4.8	5.2
Above Normal (25%)	4.0	4.1	4.8	8.9	8.6	7.2	4.8	4.5	4.4	4.5	4.5	4.4
Below Normal (6%)	4.1	4.2	4.2	5.4	5.7	5.1	4.3	4.4	4.3	4.3	4.3	4.2
Dry (13%)	4.1	4.4	4.6	4.7	4.7	5.3	4.5	4.4	4.5	4.7	4.6	4.3
Critical (25%)	4.1	4.3	4.5	4.6	4.4	4.3	4.1	4.2	4.4	4.6	4.5	4.3

Alternative 8 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	**-0.6**	**-0.2**	**-0.9**	**-1.7**	**-1.5**	**-1.4**	**-1.1**	**-0.7**	**-0.7**	**-1.0**	**-0.8**	**-1.0**
20%	**-0.6**	**-0.4**	**-0.7**	**-1.5**	**-1.6**	**-1.7**	**-0.6**	**-0.5**	**-0.7**	**-1.2**	**-0.8**	**-0.7**
30%	**-0.6**	**-0.7**	**-0.6**	**-1.1**	**-1.1**	**-1.3**	**-0.5**	**-0.5**	**-0.6**	**-1.1**	**-0.8**	**-0.8**
40%	**-0.6**	**-0.6**	**-0.7**	**-0.6**	**-1.2**	**-1.1**	**-0.5**	**-0.4**	**-0.6**	**-1.0**	**-0.8**	**-0.6**
50%	**-0.7**	**-0.6**	**-0.5**	**-0.7**	**-0.7**	**-1.0**	**-0.5**	**-0.3**	**-0.5**	**-1.0**	**-0.7**	**-0.6**
60%	**-0.7**	**-0.5**	**-0.6**	**-0.6**	**-0.2**	**-0.7**	**-0.4**	**-0.3**	**-0.6**	**-1.0**	**-0.7**	**-0.5**
70%	**-0.7**	**-0.5**	**-0.5**	**-0.6**	**-0.4**	**-0.5**	**-0.4**	**-0.4**	**-0.6**	**-1.1**	**-0.7**	**-0.5**
80%	**-0.6**	**-0.6**	**-0.7**	**-0.8**	**-0.5**	**-0.3**	**-0.4**	**-0.4**	**-0.6**	**-0.8**	**-0.7**	**-0.6**
90%	**-0.6**	**-0.5**	**-0.6**	**-0.5**	**-0.4**	**-0.4**	**-0.3**	**-0.3**	**-0.6**	**-0.8**	**-0.6**	**-0.6**
Long Term												
Full Simulation Period[a]	**-0.6**	**-0.5**	**-0.6**	**-0.9**	**-0.8**	**-0.9**	**-0.6**	**-0.4**	**-0.6**	**-1.0**	**-0.7**	**-0.7**
Water Year Types[b]												
Wet (31%)	**-0.6**	**-0.5**	**-0.8**	**-1.3**	**-1.5**	**-1.4**	**-0.9**	**-0.5**	**-0.7**	**-1.0**	**-0.8**	**-0.9**
Above Normal (25%)	**-0.5**	**-0.5**	**-0.6**	**-1.2**	**-1.5**	**-1.6**	**-0.8**	**-0.4**	**-0.6**	**-1.2**	**-0.9**	**-0.8**
Below Normal (6%)	**-0.8**	**-0.7**	**-0.7**	**-0.6**	**-0.6**	**-0.8**	**-0.4**	**-0.3**	**-0.7**	**-1.0**	**-0.7**	**-0.7**
Dry (13%)	**-0.6**	**-0.6**	**-0.6**	**-0.6**	**-0.5**	**-0.6**	**-0.3**	**-0.6**	**-0.7**	**-1.1**	**-0.8**	**-0.6**
Critical (25%)	**-0.6**	**-0.5**	**-0.6**	**-0.7**	**-0.4**	**-0.5**	**-0.4**	**-0.3**	**-0.5**	**-0.8**	**-0.5**	**-0.5**

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-30-1-25. Sacramento River d/s of North Delta Diversion, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	5.0	6.5	10.5	10.4	11.6	10.8	8.1	5.7	5.4	6.0	5.6	6.2
20%	4.9	5.7	5.6	9.5	10.9	9.6	5.6	5.1	5.3	5.9	5.4	5.7
30%	4.8	5.2	5.6	7.5	7.9	7.9	5.1	5.0	5.2	5.8	5.4	5.3
40%	4.8	5.0	5.4	6.0	6.4	6.3	4.9	4.9	5.1	5.7	5.3	5.0
50%	4.8	4.9	5.2	5.9	5.7	6.0	4.8	4.7	5.0	5.7	5.3	5.0
60%	4.8	4.8	5.1	5.4	5.1	5.6	4.7	4.7	5.0	5.7	5.2	4.9
70%	4.7	4.7	4.9	5.3	4.9	5.0	4.7	4.7	5.0	5.7	5.1	4.9
80%	4.6	4.7	4.9	5.1	4.9	4.7	4.6	4.7	4.9	5.4	5.1	4.9
90%	4.6	4.5	4.8	4.7	4.6	4.5	4.5	4.5	4.9	5.3	5.0	4.7
Long Term												
Full Simulation Period[a]	4.8	5.3	6.3	6.8	7.1	6.9	5.6	5.0	5.2	5.7	5.3	5.2
Water Year Types[b]												
Wet (31%)	5.1	6.7	9.7	8.9	10.6	10.1	7.9	5.8	5.6	5.9	5.6	6.1
Above Normal (25%)	4.6	4.7	5.4	10.1	10.1	8.7	5.6	5.0	5.0	5.7	5.3	5.3
Below Normal (6%)	4.8	5.0	4.9	6.0	6.4	5.9	4.8	4.7	5.0	5.3	5.1	4.9
Dry (13%)	4.8	5.0	5.2	5.2	5.2	5.9	4.8	4.9	5.1	5.8	5.4	4.9
Critical (25%)	4.8	4.8	5.0	5.2	4.7	4.8	4.6	4.6	4.9	5.4	5.0	4.8

Alternative 9 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.6	6.1	10.2	9.9	11.5	10.6	7.6	5.1	4.8	5.1	5.0	5.8
20%	4.4	5.2	4.9	9.1	10.6	9.2	4.9	4.5	4.7	5.0	4.9	5.4
30%	4.4	4.6	4.8	6.7	7.2	7.2	4.5	4.4	4.6	5.0	4.8	4.7
40%	4.3	4.5	4.8	5.2	5.7	5.4	4.2	4.3	4.5	5.0	4.8	4.5
50%	4.2	4.4	4.6	5.1	4.9	5.3	4.2	4.3	4.5	4.9	4.7	4.4
60%	4.2	4.3	4.5	4.7	4.4	4.8	4.2	4.2	4.4	4.9	4.7	4.4
70%	4.2	4.2	4.4	4.5	4.3	4.4	4.1	4.2	4.4	4.8	4.6	4.4
80%	4.1	4.0	4.3	4.2	4.2	4.1	4.1	4.1	4.3	4.7	4.5	4.4
90%	4.1	4.0	4.2	4.1	4.1	4.0	3.9	4.0	4.3	4.6	4.4	4.2
Long Term												
Full Simulation Period[a]	4.3	4.8	5.7	6.2	6.6	6.4	5.1	4.5	4.6	4.9	4.7	4.7
Water Year Types[b]												
Wet (31%)	4.6	6.3	9.4	8.3	10.3	9.8	7.4	5.3	5.0	5.1	4.9	5.7
Above Normal (25%)	4.0	4.2	4.7	9.8	9.7	8.2	4.9	4.3	4.4	4.9	4.7	4.7
Below Normal (6%)	4.3	4.5	4.3	5.2	5.7	5.2	4.2	4.1	4.4	4.6	4.5	4.4
Dry (13%)	4.3	4.4	4.5	4.5	4.6	5.2	4.3	4.5	4.6	4.9	4.8	4.4
Critical (25%)	4.2	4.3	4.4	4.5	4.2	4.2	4.0	4.1	4.3	4.7	4.5	4.3

Alternative 9 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	**-0.5**	**-0.4**	**-0.3**	**-0.5**	**-0.2**	**-0.2**	**-0.6**	**-0.5**	**-0.6**	**-0.9**	**-0.6**	**-0.4**
20%	**-0.5**	**-0.4**	**-0.8**	**-0.4**	**-0.3**	**-0.4**	**-0.7**	**-0.6**	**-0.6**	**-0.9**	**-0.6**	**-0.3**
30%	**-0.5**	**-0.6**	**-0.7**	**-0.7**	**-0.7**	**-0.7**	**-0.6**	**-0.6**	**-0.6**	**-0.8**	**-0.6**	**-0.5**
40%	**-0.5**	**-0.5**	**-0.7**	**-0.8**	**-0.7**	**-0.9**	**-0.7**	**-0.6**	**-0.5**	**-0.7**	**-0.6**	**-0.5**
50%	**-0.6**	**-0.5**	**-0.6**	**-0.7**	**-0.7**	**-0.7**	**-0.6**	**-0.4**	**-0.6**	**-0.8**	**-0.6**	**-0.5**
60%	**-0.6**	**-0.5**	**-0.7**	**-0.7**	**-0.7**	**-0.7**	**-0.5**	**-0.5**	**-0.6**	**-0.8**	**-0.6**	**-0.5**
70%	**-0.6**	**-0.5**	**-0.5**	**-0.8**	**-0.6**	**-0.6**	**-0.5**	**-0.5**	**-0.6**	**-0.9**	**-0.5**	**-0.5**
80%	**-0.5**	**-0.6**	**-0.6**	**-0.9**	**-0.6**	**-0.6**	**-0.5**	**-0.6**	**-0.6**	**-0.7**	**-0.6**	**-0.5**
90%	**-0.5**	**-0.5**	**-0.6**	**-0.6**	**-0.5**	**-0.6**	**-0.5**	**-0.5**	**-0.6**	**-0.7**	**-0.5**	**-0.5**
Long Term												
Full Simulation Period[a]	**-0.5**	**-0.5**	**-0.5**	**-0.6**	**-0.5**	**-0.6**	**-0.5**	**-0.5**	**-0.6**	**-0.8**	**-0.6**	**-0.5**
Water Year Types[b]												
Wet (31%)	**-0.5**	**-0.4**	**-0.3**	**-0.6**	**-0.3**	**-0.3**	**-0.4**	**-0.5**	**-0.6**	**-0.8**	**-0.6**	**-0.4**
Above Normal (25%)	**-0.6**	**-0.5**	**-0.7**	**-0.3**	**-0.4**	**-0.6**	**-0.7**	**-0.6**	**-0.6**	**-0.8**	**-0.6**	**-0.5**
Below Normal (6%)	**-0.6**	**-0.5**	**-0.7**	**-0.8**	**-0.7**	**-0.7**	**-0.6**	**-0.6**	**-0.6**	**-0.7**	**-0.6**	**-0.5**
Dry (13%)	**-0.5**	**-0.6**	**-0.7**	**-0.7**	**-0.7**	**-0.7**	**-0.5**	**-0.5**	**-0.6**	**-0.8**	**-0.6**	**-0.5**
Critical (25%)	**-0.5**	**-0.5**	**-0.6**	**-0.7**	**-0.6**	**-0.6**	**-0.6**	**-0.5**	**-0.6**	**-0.7**	**-0.5**	**-0.5**

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-30-2-1. Sacramento River d/s of North Delta Diversion, Monthly Averaged Daily Minimum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.7	4.6	8.8	8.3	10.2	9.5	6.2	3.0	1.5	2.0	1.4	1.6
20%	0.9	3.5	2.5	6.7	9.3	7.5	2.2	1.2	0.8	1.6	1.3	1.0
30%	0.7	1.1	1.8	4.8	5.0	5.8	1.7	1.1	0.8	1.6	1.2	0.9
40%	0.6	0.8	1.5	2.5	4.0	4.2	1.2	1.0	0.7	1.6	1.2	0.9
50%	0.6	0.6	1.3	2.4	2.6	3.3	1.0	0.8	0.7	1.6	1.1	0.8
60%	0.6	0.6	1.0	1.8	1.2	3.1	0.8	0.6	0.7	1.5	1.0	0.7
70%	0.5	0.5	0.9	1.1	1.1	1.8	0.8	0.5	0.5	1.4	0.9	0.6
80%	0.4	0.4	0.8	0.9	1.1	1.1	0.7	0.3	0.4	1.2	0.8	0.5
90%	0.3	0.2	0.4	0.6	0.5	0.6	0.5	0.1	0.3	1.1	0.6	0.5
Long Term												
Full Simulation Period[a]	0.8	1.7	2.7	3.5	4.1	4.4	2.2	1.4	1.1	1.6	1.1	1.0
Water Year Types[b]												
Wet (31%)	1.4	4.2	7.5	6.4	8.8	8.8	5.3	3.4	2.6	2.1	1.3	1.9
Above Normal (25%)	0.4	0.7	1.6	8.1	7.8	6.7	2.9	1.5	0.9	1.3	1.1	0.9
Below Normal (6%)	0.9	0.6	0.5	2.4	4.0	3.4	1.2	1.2	0.8	1.6	1.1	0.7
Dry (13%)	0.6	1.2	1.3	1.3	1.6	3.0	1.1	0.7	0.7	1.5	1.3	0.8
Critical (25%)	0.6	0.6	0.9	1.3	0.9	1.2	0.6	0.2	0.3	1.3	0.7	0.5

No Action Alternative (LLT)

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.2	4.2	9.4	9.4	10.8	10.0	6.8	3.0	2.2	3.3	2.5	3.9
20%	2.1	3.2	2.9	8.3	10.1	8.6	3.2	2.2	2.0	3.2	2.4	3.2
30%	1.9	2.4	2.8	5.7	6.3	6.6	2.5	2.1	1.9	3.1	2.4	2.6
40%	1.9	2.1	2.5	3.5	4.2	4.7	2.2	1.9	1.8	2.9	2.3	1.9
50%	1.8	1.9	2.3	3.3	3.3	4.0	2.0	1.7	1.8	2.8	2.1	1.9
60%	1.8	1.6	2.1	2.7	2.3	3.3	1.9	1.7	1.7	2.5	2.0	1.8
70%	1.8	1.6	1.9	2.4	2.0	2.5	1.9	1.6	1.7	2.4	1.9	1.7
80%	1.7	1.5	1.7	2.1	2.0	1.9	1.8	1.5	1.5	2.3	1.8	1.7
90%	1.5	1.4	1.5	1.8	1.6	1.7	1.6	1.3	1.5	2.0	1.7	1.6
Long Term												
Full Simulation Period[a]	1.9	2.5	3.6	4.5	5.0	5.1	3.2	2.1	1.9	2.7	2.1	2.3
Water Year Types[b]												
Wet (31%)	2.2	4.4	8.3	7.5	9.6	9.2	6.1	3.2	2.6	2.9	2.4	3.8
Above Normal (25%)	1.7	1.7	2.7	9.0	9.0	7.7	3.5	2.1	1.9	3.1	2.4	2.6
Below Normal (6%)	2.1	2.1	1.9	3.5	4.2	3.9	2.2	1.8	2.0	2.3	2.1	1.9
Dry (13%)	1.8	2.1	2.2	2.3	2.6	3.7	2.1	1.9	1.8	2.8	2.2	1.8
Critical (25%)	1.8	1.7	1.8	2.5	1.8	2.2	1.7	1.4	1.5	2.3	1.7	1.7

No Action Alternative (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.4	**-0.4**	0.6	1.1	0.6	0.5	0.6	0.0	0.8	1.3	1.0	2.3
20%	1.2	**-0.3**	0.4	1.6	0.8	1.1	1.0	1.1	1.2	1.6	1.2	2.2
30%	1.2	1.2	1.0	0.9	1.3	0.8	0.8	1.0	1.1	1.4	1.2	1.7
40%	1.3	1.3	1.0	1.0	0.2	0.5	1.0	1.0	1.1	1.3	1.2	1.0
50%	1.3	1.3	1.0	0.9	0.8	0.7	0.9	0.9	1.1	1.2	1.1	1.1
60%	1.2	1.1	1.1	1.0	1.1	0.3	1.1	1.1	1.0	1.0	1.1	1.1
70%	1.3	1.1	1.0	1.3	0.9	0.7	1.1	1.1	1.2	1.0	1.0	1.1
80%	1.3	1.1	0.9	1.2	0.9	0.8	1.1	1.1	1.2	1.1	1.0	1.1
90%	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.2	1.2	0.9	1.1	1.2
Long Term												
Full Simulation Period[a]	1.1	0.9	0.9	1.0	0.9	0.7	1.0	0.8	0.9	1.1	1.1	1.4
Water Year Types[b]												
Wet (31%)	0.8	0.2	0.8	1.1	0.8	0.4	0.9	**-0.1**	0.0	0.9	1.1	1.9
Above Normal (25%)	1.2	1.0	1.1	0.8	1.2	1.0	0.5	0.6	1.0	1.7	1.3	1.7
Below Normal (6%)	1.2	1.5	1.5	1.0	0.2	0.5	1.0	0.6	1.2	0.8	0.9	1.2
Dry (13%)	1.2	0.9	0.9	1.0	0.9	0.6	1.0	1.2	1.1	1.3	0.9	1.0
Critical (25%)	1.1	1.2	0.9	1.2	1.0	1.0	1.1	1.2	1.2	1.0	1.0	1.2

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

Table C-30-2-2. Sacramento River d/s of North Delta Diversion, Monthly Averaged Daily Minimum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.7	4.6	8.8	8.3	10.2	9.5	6.2	3.0	1.5	2.0	1.4	1.6
20%	0.9	3.5	2.5	6.7	9.3	7.5	2.2	1.2	0.8	1.6	1.3	1.0
30%	0.7	1.1	1.8	4.8	5.0	5.8	1.7	1.1	0.8	1.6	1.2	0.9
40%	0.6	0.8	1.5	2.5	4.0	4.2	1.2	1.0	0.7	1.6	1.2	0.9
50%	0.6	0.6	1.3	2.4	2.6	3.3	1.0	0.8	0.7	1.6	1.1	0.8
60%	0.6	0.6	1.0	1.8	1.2	3.1	0.8	0.6	0.7	1.5	1.0	0.7
70%	0.5	0.5	0.9	1.1	1.1	1.8	0.8	0.5	0.5	1.4	0.9	0.6
80%	0.4	0.4	0.8	0.9	1.1	1.1	0.7	0.3	0.4	1.2	0.8	0.5
90%	0.3	0.2	0.4	0.6	0.5	0.6	0.5	0.1	0.3	1.1	0.6	0.5
Long Term Full Simulation Period[a]	0.8	1.7	2.7	3.5	4.1	4.4	2.2	1.4	1.1	1.6	1.1	1.0
Water Year Types[b]												
Wet (31%)	1.4	4.2	7.5	6.4	8.8	8.8	5.3	3.4	2.6	2.1	1.3	1.9
Above Normal (25%)	0.4	0.7	1.6	8.1	7.8	6.7	2.9	1.5	0.9	1.3	1.1	0.9
Below Normal (6%)	0.9	0.6	0.5	2.4	4.0	3.4	1.2	1.2	0.8	1.6	1.1	0.7
Dry (13%)	0.6	1.2	1.3	1.3	1.6	3.0	1.1	0.7	0.7	1.5	1.3	0.8
Critical (25%)	0.6	0.6	0.9	1.3	0.9	1.2	0.6	0.2	0.3	1.3	0.7	0.5

Alternative 1A,1B,1C (LLT)

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3.1	3.1	7.7	7.3	9.0	8.1	5.1	2.4	2.5	3.1	2.4	2.3
20%	2.7	2.9	2.5	6.2	8.0	6.5	2.7	2.3	2.4	3.1	2.4	2.2
30%	2.4	2.3	2.5	4.6	4.4	4.9	2.4	2.1	2.3	2.9	2.3	2.2
40%	2.3	2.0	2.4	2.9	2.9	3.0	2.2	2.0	2.1	2.7	2.3	2.1
50%	2.0	1.8	2.4	2.5	2.5	2.8	2.2	2.0	2.1	2.6	2.1	2.1
60%	1.9	1.7	2.2	2.3	2.0	2.6	2.1	1.9	2.1	2.4	2.1	2.1
70%	1.8	1.6	2.0	2.1	1.9	2.2	2.0	1.9	2.0	2.3	2.0	1.9
80%	1.8	1.5	1.9	1.9	1.9	1.9	1.9	1.7	2.0	2.2	1.9	1.8
90%	1.8	1.4	1.8	1.8	1.9	1.7	1.9	1.5	1.9	2.1	1.9	1.7
Long Term Full Simulation Period[a]	2.3	2.2	3.3	3.7	4.1	4.1	2.9	2.1	2.2	2.6	2.2	2.0
Water Year Types[b]												
Wet (31%)	2.0	3.8	7.0	5.7	7.8	7.4	5.2	2.7	2.5	2.9	2.1	2.0
Above Normal (25%)	2.3	1.5	2.5	6.9	7.2	5.8	2.5	2.1	2.1	2.6	2.0	1.6
Below Normal (6%)	3.2	1.5	1.9	2.9	2.9	2.7	2.1	1.9	2.3	2.1	1.8	1.8
Dry (13%)	1.9	1.8	2.2	2.4	2.1	3.0	2.3	2.1	2.2	2.9	2.5	2.1
Critical (25%)	2.6	1.8	2.0	2.0	1.9	2.0	1.9	1.7	1.9	2.3	2.1	2.2

Alternative 1A,1B,1C (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.3	**-1.5**	**-1.2**	**-1.0**	**-1.2**	**-1.4**	**-1.1**	**-0.6**	1.1	1.1	1.0	0.7
20%	1.8	**-0.6**	**0.0**	**-0.5**	**-1.3**	**-0.9**	0.5	1.1	1.6	1.4	1.1	1.2
30%	1.7	1.1	0.6	**-0.2**	**-0.6**	**-0.9**	0.7	1.0	1.5	1.3	1.1	1.2
40%	1.7	1.2	1.0	0.4	**-1.1**	**-1.2**	1.0	1.1	1.4	1.1	1.1	1.2
50%	1.5	1.2	1.1	0.1	**0.0**	**-0.5**	1.1	1.2	1.4	1.0	1.0	1.3
60%	1.3	1.1	1.2	0.5	0.8	**-0.4**	1.3	1.3	1.4	0.9	1.1	1.3
70%	1.4	1.1	1.1	1.0	0.8	0.4	1.2	1.4	1.5	0.9	1.1	1.2
80%	1.4	1.0	1.1	1.0	0.9	0.9	1.3	1.3	1.6	1.0	1.1	1.3
90%	1.5	1.2	1.4	1.1	1.4	1.2	1.4	1.4	1.6	1.0	1.2	1.2
Long Term Full Simulation Period[a]	1.5	0.6	0.6	0.2	0.0	**-0.3**	0.7	0.8	1.1	1.1	1.1	1.0
Water Year Types[b]												
Wet (31%)	0.6	**-0.4**	**-0.6**	**-0.7**	**-1.0**	**-1.4**	**-0.1**	**-0.7**	**-0.1**	0.8	0.8	0.1
Above Normal (25%)	1.9	0.8	0.9	**-1.2**	**-0.6**	**-0.9**	**-0.4**	0.6	1.2	1.3	0.9	0.7
Below Normal (6%)	2.3	0.9	1.4	0.4	**-1.1**	**-0.7**	0.9	0.7	1.5	0.5	0.7	1.1
Dry (13%)	1.4	0.6	0.9	1.1	0.4	**-0.1**	1.1	1.4	1.5	1.3	1.2	1.3
Critical (25%)	1.9	1.2	1.1	0.7	1.1	0.8	1.3	1.5	1.6	1.0	1.4	1.7

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-30-2-3. Sacramento River d/s of North Delta Diversion, Monthly Averaged Daily Minimum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.7	4.6	8.8	8.3	10.2	9.5	6.2	3.0	1.5	2.0	1.4	1.6
20%	0.9	3.5	2.5	6.7	9.3	7.5	2.2	1.2	0.8	1.6	1.3	1.0
30%	0.7	1.1	1.8	4.8	5.0	5.8	1.7	1.1	0.8	1.6	1.2	0.9
40%	0.6	0.8	1.5	2.5	4.0	4.2	1.2	1.0	0.7	1.6	1.2	0.9
50%	0.6	0.6	1.3	2.4	2.6	3.3	1.0	0.8	0.7	1.6	1.1	0.8
60%	0.6	0.6	1.0	1.8	1.2	3.1	0.8	0.6	0.7	1.5	1.0	0.7
70%	0.5	0.5	0.9	1.1	1.1	1.8	0.8	0.5	0.5	1.4	0.9	0.6
80%	0.4	0.4	0.8	0.9	1.1	1.1	0.7	0.3	0.4	1.2	0.8	0.5
90%	0.3	0.2	0.4	0.6	0.5	0.6	0.5	0.1	0.3	1.1	0.6	0.5
Long Term												
Full Simulation Period[a]	0.8	1.7	2.7	3.5	4.1	4.4	2.2	1.4	1.1	1.6	1.1	1.0
Water Year Types[b]												
Wet (31%)	1.4	4.2	7.5	6.4	8.8	8.8	5.3	3.4	2.6	2.1	1.3	1.9
Above Normal (25%)	0.4	0.7	1.6	8.1	7.8	6.7	2.9	1.5	0.9	1.3	1.1	0.9
Below Normal (6%)	0.9	0.6	0.5	2.4	4.0	3.4	1.2	1.2	0.8	1.6	1.1	0.7
Dry (13%)	0.6	1.2	1.3	1.3	1.6	3.0	1.1	0.7	0.7	1.5	1.3	0.8
Critical (25%)	0.6	0.6	0.9	1.3	0.9	1.2	0.6	0.2	0.3	1.3	0.7	0.5

Alternative 2A,2B,2C (LLT)

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.3	3.0	7.6	7.5	9.1	8.2	5.3	2.4	2.4	3.2	2.4	3.0
20%	2.2	2.7	2.6	6.4	8.2	6.7	2.8	2.3	2.4	3.1	2.3	2.8
30%	2.1	2.0	2.5	4.4	4.5	4.7	2.3	2.2	2.2	2.9	2.3	2.4
40%	1.9	2.0	2.4	2.7	3.0	3.1	2.2	2.1	2.1	2.8	2.3	2.2
50%	1.8	1.9	2.2	2.6	2.6	2.9	2.1	2.0	2.1	2.8	2.2	2.2
60%	1.8	1.7	2.2	2.5	1.9	2.7	2.0	1.9	2.0	2.6	2.1	2.1
70%	1.8	1.7	2.0	2.2	1.9	2.2	2.0	1.8	2.0	2.4	2.1	2.1
80%	1.7	1.6	1.9	1.9	1.9	1.8	1.9	1.7	1.9	2.3	2.0	2.1
90%	1.6	1.5	1.8	1.8	1.6	1.8	1.8	1.5	1.9	2.0	2.0	2.0
Long Term												
Full Simulation Period[a]	1.9	2.2	3.3	3.7	4.1	4.1	2.9	2.1	2.1	2.7	2.2	2.3
Water Year Types[b]												
Wet (31%)	1.9	3.5	7.0	5.9	7.9	7.5	5.2	2.7	2.5	2.9	2.1	3.0
Above Normal (25%)	2.2	1.6	2.5	7.1	7.1	5.9	2.5	2.1	1.9	3.1	2.2	2.1
Below Normal (6%)	1.8	1.6	1.9	2.9	3.0	2.8	2.2	1.9	2.1	2.0	1.8	2.0
Dry (13%)	1.7	1.9	2.2	2.0	2.1	2.8	2.2	2.2	2.2	2.8	2.4	2.2
Critical (25%)	2.0	1.9	2.0	2.3	1.8	2.0	1.9	1.7	1.9	2.4	2.2	2.2

Alternative 2A,2B,2C (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.6	**-1.5**	**-1.2**	**-0.8**	**-1.1**	**-1.3**	**-0.9**	**-0.6**	1.0	1.3	1.0	1.3
20%	1.3	**-0.8**	0.1	**-0.3**	**-1.1**	**-0.8**	0.6	1.1	1.6	1.4	1.0	1.8
30%	1.3	0.9	0.6	**-0.4**	**-0.6**	**-1.1**	0.5	1.1	1.4	1.3	1.1	1.4
40%	1.3	1.2	0.9	0.2	**-1.0**	**-1.1**	1.0	1.1	1.4	1.3	1.1	1.3
50%	1.3	1.3	0.9	0.2	0.1	**-0.4**	1.0	1.2	1.4	1.2	1.1	1.4
60%	1.2	1.1	1.1	0.7	0.8	**-0.4**	1.2	1.3	1.4	1.0	1.2	1.4
70%	1.3	1.2	1.1	1.1	0.8	0.4	1.1	1.3	1.5	1.0	1.2	1.4
80%	1.3	1.2	1.0	1.0	0.8	0.8	1.2	1.3	1.6	1.0	1.2	1.5
90%	1.3	1.3	1.5	1.2	1.1	1.2	1.3	1.4	1.6	1.0	1.3	1.5
Long Term												
Full Simulation Period[a]	1.1	0.6	0.6	0.2	0.0	**-0.3**	0.7	0.8	1.1	1.1	1.1	1.4
Water Year Types[b]												
Wet (31%)	0.5	**-0.7**	**-0.5**	**-0.5**	**-0.9**	**-1.3**	**-0.1**	**-0.7**	**-0.2**	0.9	0.8	1.1
Above Normal (25%)	1.8	0.8	0.9	**-1.1**	**-0.7**	**-0.8**	**-0.4**	0.6	1.1	1.8	1.2	1.2
Below Normal (6%)	0.9	1.0	1.4	0.5	**-1.0**	**-0.6**	1.0	0.7	1.3	0.4	0.7	1.3
Dry (13%)	1.2	0.7	0.9	0.7	0.5	**-0.2**	1.1	1.4	1.5	1.3	1.1	1.4
Critical (25%)	1.4	1.4	1.1	1.0	0.9	0.8	1.3	1.5	1.6	1.1	1.4	1.6

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-30-2-4. Sacramento River d/s of North Delta Diversion, Monthly Averaged Daily Minimum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.7	4.6	8.8	8.3	10.2	9.5	6.2	3.0	1.5	2.0	1.4	1.6
20%	0.9	3.5	2.5	6.7	9.3	7.5	2.2	1.2	0.8	1.6	1.3	1.0
30%	0.7	1.1	1.8	4.8	5.0	5.8	1.7	1.1	0.8	1.6	1.2	0.9
40%	0.6	0.8	1.5	2.5	4.0	4.2	1.2	1.0	0.7	1.6	1.2	0.9
50%	0.6	0.6	1.3	2.4	2.6	3.3	1.0	0.8	0.7	1.6	1.1	0.8
60%	0.6	0.6	1.0	1.8	1.2	3.1	0.8	0.6	0.7	1.5	1.0	0.7
70%	0.5	0.5	0.9	1.1	1.1	1.8	0.8	0.5	0.5	1.4	0.9	0.6
80%	0.4	0.4	0.8	0.9	1.1	1.1	0.7	0.3	0.4	1.2	0.8	0.5
90%	0.3	0.2	0.4	0.6	0.5	0.6	0.5	0.1	0.3	1.1	0.6	0.5
Long Term Full Simulation Period[a]	0.8	1.7	2.7	3.5	4.1	4.4	2.2	1.4	1.1	1.6	1.1	1.0
Water Year Types[b]												
Wet (31%)	1.4	4.2	7.5	6.4	8.8	8.8	5.3	3.4	2.6	2.1	1.3	1.9
Above Normal (25%)	0.4	0.7	1.6	8.1	7.8	6.7	2.9	1.5	0.9	1.3	1.1	0.9
Below Normal (6%)	0.9	0.6	0.5	2.4	4.0	3.4	1.2	1.2	0.8	1.6	1.1	0.7
Dry (13%)	0.6	1.2	1.3	1.3	1.6	3.0	1.1	0.7	0.7	1.5	1.3	0.8
Critical (25%)	0.6	0.6	0.9	1.3	0.9	1.2	0.6	0.2	0.3	1.3	0.7	0.5

Alternative 3 (LLT)

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3.1	3.9	8.6	8.1	9.8	8.9	5.7	2.8	2.7	3.1	2.4	2.3
20%	2.8	2.9	2.9	7.1	8.9	7.3	2.9	2.3	2.4	3.0	2.3	2.2
30%	2.5	2.0	2.7	4.9	5.1	5.4	2.5	2.2	2.2	2.9	2.3	2.2
40%	2.2	1.9	2.4	3.1	3.4	3.4	2.2	2.0	2.1	2.6	2.2	2.1
50%	2.2	1.8	2.4	2.9	2.9	3.2	2.2	1.9	2.1	2.5	2.1	2.1
60%	1.9	1.8	2.3	2.5	2.2	2.8	2.1	1.9	2.0	2.4	2.1	2.1
70%	1.9	1.8	2.0	2.1	2.1	2.5	2.0	1.9	2.0	2.3	2.0	2.0
80%	1.8	1.7	2.0	2.0	2.0	2.1	2.0	1.7	1.9	2.0	2.0	2.0
90%	1.8	1.6	1.8	1.8	1.7	1.9	1.8	1.5	1.9	2.0	2.0	1.9
Long Term Full Simulation Period[a]	2.3	2.4	3.6	4.0	4.5	4.5	3.1	2.2	2.2	2.6	2.2	2.1
Water Year Types[b]												
Wet (31%)	2.1	4.2	7.6	6.3	8.5	8.1	5.6	3.0	2.8	2.8	2.1	2.4
Above Normal (25%)	2.5	1.8	2.6	7.8	7.9	6.3	2.9	2.0	2.2	2.6	2.0	2.0
Below Normal (6%)	2.8	1.8	2.0	3.1	3.4	3.1	2.2	1.9	2.1	2.0	1.8	1.8
Dry (13%)	1.9	2.0	2.3	2.3	2.4	3.3	2.3	2.2	2.1	2.9	2.4	2.1
Critical (25%)	2.7	1.8	2.0	2.2	1.9	2.1	1.9	1.7	1.9	2.3	2.2	2.2

Alternative 3 (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.3	**-0.7**	**-0.2**	**-0.2**	**-0.4**	**-0.6**	**-0.4**	**-0.2**	1.2	1.2	1.0	0.7
20%	1.9	**-0.6**	0.4	0.5	**-0.4**	**-0.1**	0.7	1.1	1.6	1.4	1.1	1.2
30%	1.8	0.8	0.9	0.1	0.1	**-0.4**	0.8	1.1	1.4	1.3	1.1	1.2
40%	1.6	1.2	0.9	0.7	**-0.6**	**-0.8**	1.0	1.1	1.4	1.0	1.1	1.2
50%	1.6	1.3	1.1	0.5	0.3	**-0.1**	1.1	1.1	1.4	0.9	1.0	1.3
60%	1.4	1.2	1.3	0.7	1.0	**-0.2**	1.3	1.3	1.3	0.9	1.1	1.4
70%	1.4	1.3	1.1	1.0	1.0	0.7	1.2	1.4	1.5	0.9	1.1	1.4
80%	1.4	1.3	1.2	1.1	1.0	1.0	1.3	1.3	1.6	0.8	1.2	1.5
90%	1.5	1.4	1.4	1.2	1.2	1.3	1.3	1.4	1.6	0.9	1.3	1.4
Long Term Full Simulation Period[a]	1.5	0.8	0.9	0.5	0.4	0.1	0.8	0.8	1.1	1.0	1.1	1.2
Water Year Types[b]												
Wet (31%)	0.7	**0.0**	0.1	**0.0**	**-0.3**	**-0.7**	0.3	**-0.4**	0.2	0.7	0.8	0.5
Above Normal (25%)	2.1	1.0	0.9	**-0.3**	0.1	**-0.4**	0.0	0.5	1.3	1.3	1.0	1.0
Below Normal (6%)	1.9	1.2	1.6	0.7	**-0.6**	**-0.3**	1.0	0.7	1.4	0.4	0.7	1.1
Dry (13%)	1.4	0.8	1.1	1.0	0.8	0.3	1.1	1.5	1.4	1.3	1.1	1.3
Critical (25%)	2.0	1.3	1.1	0.9	1.0	0.9	1.3	1.5	1.6	1.0	1.4	1.7

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-30-2-5. Sacramento River d/s of North Delta Diversion, Monthly Averaged Daily Minimum Elevation

Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.7	4.6	8.8	8.3	10.2	9.5	6.2	3.0	1.5	2.0	1.4	1.6
20%	0.9	3.5	2.5	6.7	9.3	7.5	2.2	1.2	0.8	1.6	1.3	1.0
30%	0.7	1.1	1.8	4.8	5.0	5.8	1.7	1.1	0.8	1.6	1.2	0.9
40%	0.6	0.8	1.5	2.5	4.0	4.2	1.2	1.0	0.7	1.6	1.2	0.9
50%	0.6	0.6	1.3	2.4	2.6	3.3	1.0	0.8	0.7	1.6	1.1	0.8
60%	0.6	0.6	1.0	1.8	1.2	3.1	0.8	0.6	0.7	1.5	1.0	0.7
70%	0.5	0.5	0.9	1.1	1.1	1.8	0.8	0.5	0.5	1.4	0.9	0.6
80%	0.4	0.4	0.8	0.9	1.1	1.1	0.7	0.3	0.4	1.2	0.8	0.5
90%	0.3	0.2	0.4	0.6	0.5	0.6	0.5	0.1	0.3	1.1	0.6	0.5
Long Term Full Simulation Period[a]	0.8	1.7	2.7	3.5	4.1	4.4	2.2	1.4	1.1	1.6	1.1	1.0
Water Year Types[b]												
Wet (31%)	1.4	4.2	7.5	6.4	8.8	8.8	5.3	3.4	2.6	2.1	1.3	1.9
Above Normal (25%)	0.4	0.7	1.6	8.1	7.8	6.7	2.9	1.5	0.9	1.3	1.1	0.9
Below Normal (6%)	0.9	0.6	0.5	2.4	4.0	3.4	1.2	1.2	0.8	1.6	1.1	0.7
Dry (13%)	0.6	1.2	1.3	1.3	1.6	3.0	1.1	0.7	0.7	1.5	1.3	0.8
Critical (25%)	0.6	0.6	0.9	1.3	0.9	1.2	0.6	0.2	0.3	1.3	0.7	0.5

Alternative 4 H1 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.3	3.7	8.3	7.8	9.6	8.6	5.4	2.6	2.4	3.5	2.5	2.4
20%	2.3	2.8	2.7	6.8	8.6	7.0	2.9	2.4	2.3	3.1	2.4	2.2
30%	2.1	2.0	2.6	4.6	4.7	5.3	2.3	2.2	2.1	3.0	2.3	2.2
40%	2.0	1.9	2.5	3.0	3.3	3.3	2.2	2.0	2.1	2.8	2.3	2.2
50%	1.9	1.7	2.3	2.8	2.7	3.0	2.1	2.0	2.0	2.7	2.2	2.1
60%	1.8	1.6	2.2	2.7	2.1	2.8	2.0	1.9	2.0	2.4	2.1	2.1
70%	1.7	1.6	2.0	2.5	2.0	2.2	2.0	1.8	1.9	2.4	2.1	2.1
80%	1.7	1.6	1.9	2.2	1.9	1.9	1.9	1.7	1.9	2.2	2.1	1.8
90%	1.6	1.5	1.9	1.8	1.8	1.8	1.9	1.5	1.9	2.0	1.9	1.7
Long Term Full Simulation Period[a]	2.0	2.3	3.5	4.0	4.4	4.3	2.9	2.1	2.1	2.7	2.2	2.1
Water Year Types[b]												
Wet (31%)	1.9	3.9	7.4	6.1	8.2	7.8	5.3	2.8	2.5	3.0	2.1	2.2
Above Normal (25%)	2.1	1.6	2.6	7.6	7.6	6.1	2.6	2.0	1.9	3.2	2.2	1.7
Below Normal (6%)	2.3	1.6	1.9	3.0	3.3	3.0	2.2	1.9	2.0	1.8	1.7	1.6
Dry (13%)	1.7	1.9	2.2	2.1	2.2	3.1	2.2	2.2	2.2	2.9	2.5	2.3
Critical (25%)	2.1	1.8	2.1	2.5	1.9	2.0	1.9	1.7	1.9	2.3	2.2	2.1

Alternative 4 H1 (LLT) minus Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.6	**-0.8**	**-0.6**	**-0.4**	**-0.6**	**-0.9**	**-0.8**	**-0.4**	1.0	1.5	1.0	0.8
20%	1.4	**-0.7**	0.2	0.1	**-0.7**	**-0.5**	0.7	1.2	1.5	1.5	1.1	1.2
30%	1.4	0.8	0.8	**-0.2**	**-0.3**	**-0.5**	0.5	1.1	1.4	1.4	1.1	1.3
40%	1.5	1.1	1.0	0.6	**-0.8**	**-0.9**	1.0	1.0	1.3	1.3	1.2	1.3
50%	1.3	1.1	1.0	0.4	0.2	**-0.4**	1.0	1.2	1.3	1.2	1.1	1.4
60%	1.2	1.1	1.1	0.9	0.9	**-0.2**	1.2	1.3	1.3	0.9	1.1	1.4
70%	1.3	1.1	1.2	1.3	0.8	0.4	1.2	1.3	1.5	1.0	1.2	1.4
80%	1.3	1.2	1.1	1.3	0.9	0.8	1.3	1.3	1.6	1.0	1.3	1.3
90%	1.4	1.3	1.5	1.2	1.3	1.2	1.4	1.4	1.6	0.9	1.2	1.3
Long Term Full Simulation Period[a]	1.2	0.7	0.8	0.5	0.3	**0.0**	0.7	0.8	1.1	1.1	1.1	1.1
Water Year Types[b]												
Wet (31%)	0.5	**-0.3**	**-0.1**	**-0.3**	**-0.6**	**-1.0**	0.1	**-0.6**	**-0.1**	1.0	0.8	0.3
Above Normal (25%)	1.7	0.9	0.9	**-0.6**	**-0.2**	**-0.6**	**-0.3**	0.5	1.1	1.8	1.1	0.8
Below Normal (6%)	1.4	1.0	1.4	0.6	**-0.8**	**-0.4**	1.0	0.7	1.2	0.2	0.6	0.9
Dry (13%)	1.2	0.7	0.9	0.8	0.6	0.1	1.1	1.4	1.4	1.3	1.2	1.5
Critical (25%)	1.5	1.2	1.2	1.2	1.0	0.9	1.3	1.5	1.6	1.0	1.4	1.6

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-30-2-6. Sacramento River d/s of North Delta Diversion, Monthly Averaged Daily Minimum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.7	4.6	8.8	8.3	10.2	9.5	6.2	3.0	1.5	2.0	1.4	1.6
20%	0.9	3.5	2.5	6.7	9.3	7.5	2.2	1.2	0.8	1.6	1.3	1.0
30%	0.7	1.1	1.8	4.8	5.0	5.8	1.7	1.1	0.8	1.6	1.2	0.9
40%	0.6	0.8	1.5	2.5	4.0	4.2	1.2	1.0	0.7	1.6	1.2	0.9
50%	0.6	0.6	1.3	2.4	2.6	3.3	1.0	0.8	0.7	1.6	1.1	0.8
60%	0.6	0.6	1.0	1.8	1.2	3.1	0.8	0.6	0.7	1.5	1.0	0.7
70%	0.5	0.5	0.9	1.1	1.1	1.8	0.8	0.5	0.5	1.4	0.9	0.6
80%	0.4	0.4	0.8	0.9	1.1	1.1	0.7	0.3	0.4	1.2	0.8	0.5
90%	0.3	0.2	0.4	0.6	0.5	0.6	0.5	0.1	0.3	1.1	0.6	0.5
Long Term Full Simulation Period[a]	0.8	1.7	2.7	3.5	4.1	4.4	2.2	1.4	1.1	1.6	1.1	1.0
Water Year Types[b]												
Wet (31%)	1.4	4.2	7.5	6.4	8.8	8.8	5.3	3.4	2.6	2.1	1.3	1.9
Above Normal (25%)	0.4	0.7	1.6	8.1	7.8	6.7	2.9	1.5	0.9	1.3	1.1	0.9
Below Normal (6%)	0.9	0.6	0.5	2.4	4.0	3.4	1.2	1.2	0.8	1.6	1.1	0.7
Dry (13%)	0.6	1.2	1.3	1.3	1.6	3.0	1.1	0.7	0.7	1.5	1.3	0.8
Critical (25%)	0.6	0.6	0.9	1.3	0.9	1.2	0.6	0.2	0.3	1.3	0.7	0.5

Alternative 4 H2 (LLT)

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.5	3.8	8.4	7.8	9.6	8.6	5.8	2.7	2.4	3.0	2.4	2.3
20%	2.4	2.9	2.8	6.8	8.6	7.0	3.4	2.4	2.2	2.7	2.4	2.2
30%	2.1	2.0	2.6	4.6	4.8	5.5	3.0	2.4	2.1	2.6	2.3	2.2
40%	2.0	1.9	2.6	2.8	3.3	3.3	2.5	2.3	2.0	2.6	2.2	2.1
50%	1.9	1.7	2.2	2.7	2.7	3.1	2.2	2.0	2.0	2.5	2.2	2.1
60%	1.9	1.7	2.0	2.6	2.0	2.8	2.1	1.9	2.0	2.4	2.1	2.1
70%	1.8	1.6	1.9	2.4	2.0	2.3	2.0	1.8	1.9	2.1	2.1	2.0
80%	1.7	1.6	1.7	2.1	1.9	1.9	1.9	1.7	1.9	2.0	2.1	1.8
90%	1.7	1.5	1.7	1.9	1.6	1.8	1.8	1.5	1.9	1.9	1.9	1.7
Long Term Full Simulation Period[a]	2.0	2.3	3.4	4.0	4.3	4.4	3.2	2.2	2.1	2.4	2.2	2.1
Water Year Types[b]												
Wet (31%)	2.0	4.0	7.5	6.1	8.2	7.8	5.8	2.9	2.5	2.6	2.1	2.2
Above Normal (25%)	2.2	1.6	2.6	7.7	7.7	6.2	3.5	2.4	1.9	2.3	2.1	1.7
Below Normal (6%)	1.6	1.6	1.7	3.0	3.4	3.1	2.2	1.9	2.0	1.8	1.7	1.6
Dry (13%)	1.8	1.9	2.1	2.1	2.2	3.2	2.2	2.1	2.2	2.7	2.4	2.1
Critical (25%)	2.2	1.8	2.0	2.4	1.8	2.1	1.9	1.7	1.9	2.3	2.2	2.2

Alternative 4 H2 (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.7	**-0.7**	**-0.4**	**-0.4**	**-0.6**	**-0.9**	**-0.4**	**-0.2**	0.9	1.0	1.0	0.7
20%	1.5	**-0.6**	0.3	0.1	**-0.7**	**-0.5**	1.2	1.2	1.5	1.1	1.1	1.2
30%	1.4	0.8	0.8	**-0.2**	**-0.2**	**-0.3**	1.3	1.3	1.3	1.0	1.1	1.2
40%	1.4	1.1	1.1	0.3	**-0.7**	**-0.9**	1.3	1.4	1.3	1.0	1.1	1.2
50%	1.4	1.1	0.9	0.3	0.2	**-0.3**	1.1	1.2	1.3	0.9	1.1	1.4
60%	1.3	1.1	1.0	0.9	0.8	**-0.2**	1.3	1.3	1.3	0.9	1.1	1.4
70%	1.3	1.1	1.0	1.2	0.8	0.5	1.2	1.3	1.5	0.7	1.2	1.4
80%	1.3	1.2	0.9	1.2	0.9	0.8	1.2	1.3	1.5	0.7	1.3	1.3
90%	1.4	1.3	1.3	1.3	1.1	1.2	1.3	1.4	1.5	0.9	1.2	1.3
Long Term Full Simulation Period[a]	1.2	0.7	0.7	0.4	0.2	**0.0**	0.9	0.9	1.0	0.9	1.1	1.1
Water Year Types[b]												
Wet (31%)	0.6	**-0.2**	**-0.1**	**-0.3**	**-0.6**	**-1.0**	0.5	**-0.4**	**-0.2**	0.5	0.8	0.4
Above Normal (25%)	1.8	0.9	1.0	**-0.4**	**-0.1**	**-0.5**	0.6	0.9	1.0	0.9	1.0	0.8
Below Normal (6%)	0.7	1.1	1.2	0.6	**-0.6**	**-0.2**	1.0	0.7	1.2	0.2	0.6	0.9
Dry (13%)	1.3	0.7	0.8	0.7	0.6	0.1	1.1	1.4	1.5	1.1	1.1	1.3
Critical (25%)	1.5	1.2	1.1	1.1	0.9	0.9	1.3	1.5	1.6	1.1	1.5	1.7

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-30-2-7. Sacramento River d/s of North Delta Diversion, Monthly Averaged Daily Minimum Elevation

Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.7	4.6	8.8	8.3	10.2	9.5	6.2	3.0	1.5	2.0	1.4	1.6
20%	0.9	3.5	2.5	6.7	9.3	7.5	2.2	1.2	0.8	1.6	1.3	1.0
30%	0.7	1.1	1.8	4.8	5.0	5.8	1.7	1.1	0.8	1.6	1.2	0.9
40%	0.6	0.8	1.5	2.5	4.0	4.2	1.2	1.0	0.7	1.6	1.2	0.9
50%	0.6	0.6	1.3	2.4	2.6	3.3	1.0	0.8	0.7	1.6	1.1	0.8
60%	0.6	0.6	1.0	1.8	1.2	3.1	0.8	0.6	0.7	1.5	1.0	0.7
70%	0.5	0.5	0.9	1.1	1.1	1.8	0.8	0.5	0.5	1.4	0.9	0.6
80%	0.4	0.4	0.8	0.9	1.1	1.1	0.7	0.3	0.4	1.2	0.8	0.5
90%	0.3	0.2	0.4	0.6	0.5	0.6	0.5	0.1	0.3	1.1	0.6	0.5
Long Term												
Full Simulation Period[a]	0.8	1.7	2.7	3.5	4.1	4.4	2.2	1.4	1.1	1.6	1.1	1.0
Water Year Types[b]												
Wet (31%)	1.4	4.2	7.5	6.4	8.8	8.8	5.3	3.4	2.6	2.1	1.3	1.9
Above Normal (25%)	0.4	0.7	1.6	8.1	7.8	6.7	2.9	1.5	0.9	1.3	1.1	0.9
Below Normal (6%)	0.9	0.6	0.5	2.4	4.0	3.4	1.2	1.2	0.8	1.6	1.1	0.7
Dry (13%)	0.6	1.2	1.3	1.3	1.6	3.0	1.1	0.7	0.7	1.5	1.3	0.8
Critical (25%)	0.6	0.6	0.9	1.3	0.9	1.2	0.6	0.2	0.3	1.3	0.7	0.5

Alternative 4 H3 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.2	3.7	8.1	7.8	9.5	8.6	5.4	2.6	2.4	3.5	2.5	3.1
20%	2.1	2.9	2.6	6.8	8.6	7.0	2.9	2.4	2.3	3.1	2.3	2.8
30%	2.0	2.0	2.6	4.7	4.7	5.0	2.3	2.2	2.1	2.9	2.3	2.4
40%	1.9	2.0	2.6	3.0	3.3	3.3	2.1	2.1	2.1	2.8	2.3	2.2
50%	1.9	1.9	2.4	2.8	2.7	3.0	2.1	2.0	2.1	2.7	2.2	2.2
60%	1.8	1.7	2.2	2.6	2.1	2.8	2.0	1.9	2.0	2.5	2.2	2.2
70%	1.8	1.6	2.1	2.2	2.0	2.2	2.0	1.8	1.9	2.4	2.1	2.1
80%	1.7	1.6	1.9	2.0	1.9	1.9	1.9	1.7	1.9	2.2	2.1	2.1
90%	1.7	1.6	1.8	1.8	1.6	1.8	1.8	1.5	1.9	2.0	1.9	2.1
Long Term												
Full Simulation Period[a]	1.9	2.4	3.5	3.9	4.3	4.3	2.9	2.1	2.1	2.7	2.2	2.4
Water Year Types[b]												
Wet (31%)	1.9	3.9	7.3	6.1	8.2	7.8	5.4	2.8	2.5	3.0	2.1	3.1
Above Normal (25%)	2.3	1.6	2.6	7.5	7.5	6.1	2.6	2.0	1.9	3.1	2.2	2.2
Below Normal (6%)	1.8	1.6	1.7	3.0	3.3	3.0	2.2	1.9	2.1	1.8	1.7	2.0
Dry (13%)	1.8	2.0	2.2	2.1	2.2	3.0	2.2	2.2	2.2	2.9	2.4	2.2
Critical (25%)	2.0	1.9	2.1	2.4	1.8	2.0	1.9	1.7	1.9	2.3	2.1	2.2

Alternative 4 H3 (LLT) minus Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.5	**-0.8**	**-0.7**	**-0.5**	**-0.7**	**-0.9**	**-0.8**	**-0.4**	1.0	1.5	1.0	1.5
20%	1.2	**-0.6**	0.1	0.1	**-0.7**	**-0.5**	0.7	1.2	1.5	1.5	1.1	1.8
30%	1.2	0.9	0.7	**-0.1**	**-0.3**	**-0.8**	0.5	1.1	1.3	1.3	1.1	1.4
40%	1.3	1.2	1.1	0.6	**-0.8**	**-0.9**	0.9	1.1	1.3	1.2	1.1	1.3
50%	1.3	1.3	1.1	0.4	0.2	**-0.4**	1.0	1.2	1.3	1.1	1.1	1.5
60%	1.2	1.1	1.1	0.9	0.9	**-0.2**	1.2	1.3	1.3	0.9	1.2	1.5
70%	1.3	1.2	1.2	1.1	0.8	0.4	1.2	1.3	1.5	1.0	1.2	1.5
80%	1.3	1.2	1.1	1.0	0.9	0.8	1.2	1.3	1.6	1.0	1.3	1.6
90%	1.4	1.3	1.4	1.1	1.1	1.2	1.3	1.4	1.6	0.9	1.2	1.6
Long Term												
Full Simulation Period[a]	1.1	0.7	0.7	0.4	0.2	**-0.1**	0.7	0.8	1.1	1.1	1.1	1.4
Water Year Types[b]												
Wet (31%)	0.5	**-0.3**	**-0.2**	**-0.3**	**-0.6**	**-1.0**	0.1	**-0.6**	**-0.1**	1.0	0.8	1.2
Above Normal (25%)	1.9	0.9	1.0	**-0.7**	**-0.3**	**-0.6**	**-0.3**	0.5	1.1	1.8	1.2	1.3
Below Normal (6%)	0.9	1.1	1.2	0.6	**-0.8**	**-0.4**	1.0	0.7	1.3	0.2	0.6	1.3
Dry (13%)	1.2	0.8	0.9	0.7	0.6	**-0.1**	1.1	1.5	1.4	1.3	1.1	1.5
Critical (25%)	1.4	1.3	1.2	1.1	1.0	0.9	1.3	1.5	1.6	1.0	1.4	1.6

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-30-2-8. Sacramento River d/s of North Delta Diversion, Monthly Averaged Daily Minimum Elevation

Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.7	4.6	8.8	8.3	10.2	9.5	6.2	3.0	1.5	2.0	1.4	1.6
20%	0.9	3.5	2.5	6.7	9.3	7.5	2.2	1.2	0.8	1.6	1.3	1.0
30%	0.7	1.1	1.8	4.8	5.0	5.8	1.7	1.1	0.8	1.6	1.2	0.9
40%	0.6	0.8	1.5	2.5	4.0	4.2	1.2	1.0	0.7	1.6	1.2	0.9
50%	0.6	0.6	1.3	2.4	2.6	3.3	1.0	0.8	0.7	1.6	1.1	0.8
60%	0.6	0.6	1.0	1.8	1.2	3.1	0.8	0.6	0.7	1.5	1.0	0.7
70%	0.5	0.5	0.9	1.1	1.1	1.8	0.8	0.5	0.5	1.4	0.9	0.6
80%	0.4	0.4	0.8	0.9	1.1	1.1	0.7	0.3	0.4	1.2	0.8	0.5
90%	0.3	0.2	0.4	0.6	0.5	0.6	0.5	0.1	0.3	1.1	0.6	0.5
Long Term												
Full Simulation Period[a]	0.8	1.7	2.7	3.5	4.1	4.4	2.2	1.4	1.1	1.6	1.1	1.0
Water Year Types[b]												
Wet (31%)	1.4	4.2	7.5	6.4	8.8	8.8	5.3	3.4	2.6	2.1	1.3	1.9
Above Normal (25%)	0.4	0.7	1.6	8.1	7.8	6.7	2.9	1.5	0.9	1.3	1.1	0.9
Below Normal (6%)	0.9	0.6	0.5	2.4	4.0	3.4	1.2	1.2	0.8	1.6	1.1	0.7
Dry (13%)	0.6	1.2	1.3	1.3	1.6	3.0	1.1	0.7	0.7	1.5	1.3	0.8
Critical (25%)	0.6	0.6	0.9	1.3	0.9	1.2	0.6	0.2	0.3	1.3	0.7	0.5

Alternative 4 H4 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.3	3.6	8.1	7.9	9.5	8.6	5.8	2.7	2.4	2.9	2.4	3.1
20%	2.2	2.9	2.6	6.8	8.6	7.0	3.4	2.4	2.2	2.7	2.4	3.0
30%	2.1	2.0	2.6	4.6	4.8	5.4	3.0	2.4	2.1	2.6	2.3	2.3
40%	2.0	2.0	2.5	2.8	3.3	3.2	2.5	2.3	2.0	2.5	2.3	2.3
50%	2.0	1.9	2.2	2.6	2.7	3.0	2.2	2.0	2.0	2.4	2.2	2.2
60%	1.9	1.7	2.1	2.3	2.0	2.8	2.1	1.9	2.0	2.3	2.2	2.2
70%	1.9	1.7	1.9	2.0	2.0	2.2	2.0	1.8	1.9	2.2	2.1	2.2
80%	1.7	1.6	1.9	2.0	1.9	1.9	1.9	1.7	1.9	1.9	2.1	2.1
90%	1.7	1.5	1.7	1.7	1.6	1.8	1.8	1.5	1.8	1.9	2.0	2.1
Long Term												
Full Simulation Period[a]	2.0	2.4	3.4	3.9	4.3	4.3	3.2	2.2	2.1	2.4	2.2	2.4
Water Year Types[b]												
Wet (31%)	2.1	3.9	7.3	6.1	8.2	7.8	5.8	2.9	2.5	2.6	2.2	3.1
Above Normal (25%)	2.3	1.6	2.6	7.7	7.6	6.2	3.5	2.4	1.9	2.3	2.1	2.2
Below Normal (6%)	2.0	1.6	1.8	3.0	3.3	3.0	2.2	1.9	2.0	1.8	2.0	1.9
Dry (13%)	1.8	1.9	2.1	2.1	2.2	3.1	2.2	2.1	2.2	2.6	2.4	2.1
Critical (25%)	2.0	1.9	2.0	2.1	1.8	2.0	1.9	1.7	1.9	2.3	2.2	2.2

Alternative 4 H4 (LLT) minus Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.6	**-1.0**	**-0.7**	**-0.4**	**-0.7**	**-0.9**	**-0.4**	**-0.2**	0.9	0.9	1.0	1.4
20%	1.3	**-0.6**	0.1	0.1	**-0.7**	**-0.5**	1.2	1.2	1.5	1.1	1.1	2.0
30%	1.4	0.9	0.7	**-0.2**	**-0.3**	**-0.4**	1.3	1.3	1.3	1.0	1.1	1.4
40%	1.4	1.2	1.0	0.3	**-0.7**	**-0.9**	1.3	1.3	1.3	1.0	1.2	1.3
50%	1.4	1.3	0.9	0.2	0.2	**-0.4**	1.1	1.2	1.3	0.8	1.2	1.4
60%	1.3	1.1	1.0	0.6	0.8	**-0.2**	1.2	1.3	1.3	0.8	1.2	1.5
70%	1.4	1.2	1.0	0.9	0.8	0.4	1.2	1.3	1.5	0.8	1.2	1.5
80%	1.3	1.2	1.0	1.0	0.9	0.8	1.3	1.3	1.5	0.7	1.3	1.6
90%	1.4	1.3	1.3	1.1	1.1	1.2	1.3	1.4	1.5	0.9	1.3	1.6
Long Term												
Full Simulation Period[a]	1.2	0.7	0.7	0.3	0.2	**0.0**	0.9	0.9	1.0	0.8	1.1	1.4
Water Year Types[b]												
Wet (31%)	0.7	**-0.4**	**-0.2**	**-0.3**	**-0.6**	**-1.0**	0.5	**-0.4**	**-0.2**	0.5	0.9	1.2
Above Normal (25%)	1.9	0.9	0.9	**-0.5**	**-0.2**	**-0.5**	0.6	0.9	1.0	0.9	1.0	1.3
Below Normal (6%)	1.0	1.1	1.4	0.6	**-0.7**	**-0.4**	1.0	0.7	1.2	0.2	0.8	1.1
Dry (13%)	1.2	0.8	0.8	0.7	0.6	0.1	1.1	1.4	1.4	1.0	1.1	1.4
Critical (25%)	1.4	1.4	1.1	0.8	1.0	0.9	1.3	1.5	1.6	1.0	1.5	1.7

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-30-2-9. Sacramento River d/s of North Delta Diversion, Monthly Averaged Daily Minimum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.7	4.6	8.8	8.3	10.2	9.5	6.2	3.0	1.5	2.0	1.4	1.6
20%	0.9	3.5	2.5	6.7	9.3	7.5	2.2	1.2	0.8	1.6	1.3	1.0
30%	0.7	1.1	1.8	4.8	5.0	5.8	1.7	1.1	0.8	1.6	1.2	0.9
40%	0.6	0.8	1.5	2.5	4.0	4.2	1.2	1.0	0.7	1.6	1.2	0.9
50%	0.6	0.6	1.3	2.4	2.6	3.3	1.0	0.8	0.7	1.6	1.1	0.8
60%	0.6	0.6	1.0	1.8	1.2	3.1	0.8	0.6	0.7	1.5	1.0	0.7
70%	0.5	0.5	0.9	1.1	1.1	1.8	0.8	0.5	0.5	1.4	0.9	0.6
80%	0.4	0.4	0.8	0.9	1.1	1.1	0.7	0.3	0.4	1.2	0.8	0.5
90%	0.3	0.2	0.4	0.6	0.5	0.6	0.5	0.1	0.3	1.1	0.6	0.5
Long Term Full Simulation Period[a]	0.8	1.7	2.7	3.5	4.1	4.4	2.2	1.4	1.1	1.6	1.1	1.0
Water Year Types[b]												
Wet (31%)	1.4	4.2	7.5	6.4	8.8	8.8	5.3	3.4	2.6	2.1	1.3	1.9
Above Normal (25%)	0.4	0.7	1.6	8.1	7.8	6.7	2.9	1.5	0.9	1.3	1.1	0.9
Below Normal (6%)	0.9	0.6	0.5	2.4	4.0	3.4	1.2	1.2	0.8	1.6	1.1	0.7
Dry (13%)	0.6	1.2	1.3	1.3	1.6	3.0	1.1	0.7	0.7	1.5	1.3	0.8
Critical (25%)	0.6	0.6	0.9	1.3	0.9	1.2	0.6	0.2	0.3	1.3	0.7	0.5

Alternative 5 (LLT)

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.5	4.1	8.8	8.4	10.1	9.3	6.2	2.9	2.6	3.3	2.6	3.5
20%	2.3	3.0	2.8	7.4	9.3	7.7	3.0	2.3	2.4	3.1	2.5	3.2
30%	2.2	2.2	2.8	5.0	5.4	5.6	2.4	2.1	2.3	2.9	2.5	2.5
40%	2.1	2.0	2.6	3.2	3.6	3.7	2.2	1.9	2.2	2.8	2.3	2.2
50%	2.0	2.0	2.4	3.0	3.0	3.5	2.2	1.9	2.2	2.7	2.2	2.2
60%	2.0	1.9	2.4	2.6	2.3	2.9	2.1	1.9	2.1	2.6	2.2	2.1
70%	1.9	1.9	2.1	2.4	2.2	2.4	1.9	1.8	2.0	2.5	2.1	2.1
80%	1.9	1.8	2.0	2.1	2.1	2.0	1.9	1.7	1.9	2.5	2.0	2.0
90%	1.8	1.7	1.8	1.9	1.7	1.9	1.8	1.5	1.9	2.0	2.0	2.0
Long Term Full Simulation Period[a]	2.1	2.6	3.6	4.2	4.7	4.7	3.1	2.2	2.3	2.7	2.3	2.5
Water Year Types[b]												
Wet (31%)	2.2	4.4	7.8	6.7	8.9	8.4	5.8	3.1	2.9	2.9	2.5	3.5
Above Normal (25%)	2.0	1.9	2.7	8.2	8.2	6.7	3.0	2.0	2.3	2.9	2.3	2.5
Below Normal (6%)	2.0	1.9	2.1	3.2	3.6	3.4	2.2	1.9	2.4	2.5	2.0	1.9
Dry (13%)	2.0	2.1	2.3	2.3	2.5	3.3	2.2	2.1	2.2	2.8	2.4	2.0
Critical (25%)	2.2	1.9	2.1	2.4	2.0	2.2	1.9	1.6	1.9	2.4	2.1	2.1

Alternative 5 (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.7	**-0.5**	**0.0**	0.1	**-0.1**	**-0.2**	**0.0**	**-0.1**	1.2	1.3	1.1	1.9
20%	1.4	**-0.4**	0.3	0.7	**0.0**	0.2	0.8	1.1	1.6	1.4	1.3	2.2
30%	1.5	1.1	0.9	0.2	0.4	**-0.1**	0.7	1.0	1.5	1.3	1.3	1.5
40%	1.5	1.3	1.2	0.7	**-0.4**	**-0.5**	1.0	1.0	1.5	1.3	1.1	1.3
50%	1.5	1.4	1.1	0.6	0.5	0.2	1.1	1.1	1.5	1.2	1.2	1.4
60%	1.5	1.4	1.3	0.9	1.1	**-0.1**	1.3	1.3	1.5	1.0	1.2	1.4
70%	1.5	1.4	1.2	1.3	1.0	0.6	1.1	1.3	1.5	1.2	1.2	1.4
80%	1.5	1.4	1.1	1.2	1.0	1.0	1.2	1.3	1.6	1.2	1.3	1.5
90%	1.6	1.5	1.4	1.2	1.2	1.3	1.3	1.4	1.6	1.0	1.4	1.5
Long Term Full Simulation Period[a]	1.3	0.9	0.9	0.7	0.6	0.3	0.9	0.8	1.2	1.1	1.2	1.5
Water Year Types[b]												
Wet (31%)	0.8	0.1	0.3	0.3	0.1	**-0.3**	0.5	**-0.2**	0.3	0.9	1.2	1.6
Above Normal (25%)	1.6	1.1	1.1	0.1	0.4	0.0	0.1	0.5	1.4	1.6	1.2	1.5
Below Normal (6%)	1.1	1.4	1.6	0.8	**-0.4**	**0.0**	1.0	0.7	1.6	1.0	0.9	1.2
Dry (13%)	1.4	0.9	1.0	0.9	0.8	0.3	1.1	1.4	1.5	1.2	1.1	1.3
Critical (25%)	1.6	1.4	1.2	1.1	1.1	1.0	1.3	1.4	1.6	1.1	1.4	1.6

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-30-2-10. Sacramento River d/s of North Delta Diversion, Monthly Averaged Daily Minimum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.7	4.6	8.8	8.3	10.2	9.5	6.2	3.0	1.5	2.0	1.4	1.6
20%	0.9	3.5	2.5	6.7	9.3	7.5	2.2	1.2	0.8	1.6	1.3	1.0
30%	0.7	1.1	1.8	4.8	5.0	5.8	1.7	1.1	0.8	1.6	1.2	0.9
40%	0.6	0.8	1.5	2.5	4.0	4.2	1.2	1.0	0.7	1.6	1.2	0.9
50%	0.6	0.6	1.3	2.4	2.6	3.3	1.0	0.8	0.7	1.6	1.1	0.8
60%	0.6	0.6	1.0	1.8	1.2	3.1	0.8	0.6	0.7	1.5	1.0	0.7
70%	0.5	0.5	0.9	1.1	1.1	1.8	0.8	0.5	0.5	1.4	0.9	0.6
80%	0.4	0.4	0.8	0.9	1.1	1.1	0.7	0.3	0.4	1.2	0.8	0.5
90%	0.3	0.2	0.4	0.6	0.5	0.6	0.5	0.1	0.3	1.1	0.6	0.5
Long Term												
Full Simulation Period[a]	0.8	1.7	2.7	3.5	4.1	4.4	2.2	1.4	1.1	1.6	1.1	1.0
Water Year Types[b]												
Wet (31%)	1.4	4.2	7.5	6.4	8.8	8.8	5.3	3.4	2.6	2.1	1.3	1.9
Above Normal (25%)	0.4	0.7	1.6	8.1	7.8	6.7	2.9	1.5	0.9	1.3	1.1	0.9
Below Normal (6%)	0.9	0.6	0.5	2.4	4.0	3.4	1.2	1.2	0.8	1.6	1.1	0.7
Dry (13%)	0.6	1.2	1.3	1.3	1.6	3.0	1.1	0.7	0.7	1.5	1.3	0.8
Critical (25%)	0.6	0.6	0.9	1.3	0.9	1.2	0.6	0.2	0.3	1.3	0.7	0.5

Alternative 6A,6B,6C (LLT)

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.8	3.5	7.9	7.1	8.8	8.0	5.0	2.3	2.2	2.1	2.0	2.3
20%	1.7	2.7	2.6	6.2	8.0	6.5	2.8	2.1	2.2	2.0	2.0	2.2
30%	1.7	2.0	2.5	4.3	4.4	4.6	2.2	2.1	2.1	1.8	1.9	1.9
40%	1.6	1.7	2.2	2.7	3.2	3.0	2.1	2.1	2.0	1.8	1.9	1.8
50%	1.6	1.6	2.1	2.5	2.6	2.8	2.0	1.9	2.0	1.7	1.8	1.8
60%	1.5	1.6	2.0	2.2	2.4	2.6	2.0	1.8	2.0	1.7	1.7	1.7
70%	1.5	1.6	1.8	2.0	1.9	2.2	1.9	1.8	1.9	1.6	1.7	1.7
80%	1.4	1.4	1.7	1.8	1.9	1.8	1.9	1.7	1.9	1.6	1.6	1.6
90%	1.4	1.4	1.6	1.7	1.6	1.7	1.8	1.5	1.9	1.6	1.6	1.6
Long Term												
Full Simulation Period[a]	1.6	2.1	3.3	3.6	4.1	4.0	2.8	2.0	2.1	1.8	1.8	1.9
Water Year Types[b]												
Wet (31%)	1.7	3.6	7.1	5.6	7.7	7.3	5.0	2.6	2.3	2.1	1.9	2.4
Above Normal (25%)	1.6	1.4	2.4	7.0	6.9	5.6	2.5	2.1	2.0	1.7	1.7	1.6
Below Normal (6%)	1.6	1.4	1.7	2.9	3.2	2.7	2.1	1.9	2.2	1.5	1.5	1.5
Dry (13%)	1.5	1.8	2.0	2.0	2.1	2.9	2.2	2.0	2.1	1.6	1.7	1.7
Critical (25%)	1.6	1.7	1.9	1.9	1.9	1.9	1.8	1.6	1.9	1.8	1.9	1.8

Alternative 6A,6B,6C (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.0	**-1.0**	**-0.9**	**-1.2**	**-1.4**	**-1.5**	**-1.2**	**-0.7**	0.8	0.2	0.5	0.7
20%	0.8	**-0.8**	0.1	**-0.4**	**-1.3**	**-1.0**	0.6	0.9	1.4	0.3	0.7	1.2
30%	1.0	0.8	0.6	**-0.5**	**-0.6**	**-1.1**	0.5	1.0	1.4	0.2	0.7	1.0
40%	1.1	1.0	0.7	0.2	**-0.9**	**-1.2**	1.0	1.1	1.3	0.2	0.7	0.9
50%	1.0	1.0	0.8	0.1	0.0	**-0.5**	1.0	1.1	1.3	0.1	0.7	1.0
60%	0.9	1.0	0.9	0.4	1.3	**-0.4**	1.2	1.2	1.3	0.1	0.8	1.0
70%	1.0	1.1	1.0	0.9	0.8	0.3	1.1	1.3	1.4	0.3	0.8	1.0
80%	1.0	1.0	0.9	0.9	0.8	0.7	1.2	1.3	1.5	0.4	0.9	1.1
90%	1.1	1.2	1.2	1.0	1.1	1.1	1.3	1.4	1.5	0.5	1.0	1.1
Long Term												
Full Simulation Period[a]	0.8	0.5	0.6	0.1	0.0	**-0.4**	0.6	0.7	1.0	0.2	0.7	0.9
Water Year Types[b]												
Wet (31%)	0.3	**-0.6**	**-0.5**	**-0.8**	**-1.1**	**-1.5**	**-0.2**	**-0.7**	**-0.3**	0.1	0.6	0.5
Above Normal (25%)	1.1	0.7	0.8	**-1.1**	**-0.9**	**-1.1**	**-0.5**	0.6	1.1	0.4	0.6	0.7
Below Normal (6%)	0.7	0.9	1.2	0.4	**-0.9**	**-0.7**	1.0	0.7	1.5	**-0.1**	0.4	0.7
Dry (13%)	1.0	0.6	0.8	0.7	0.4	**-0.2**	1.1	1.2	1.4	0.1	0.5	0.9
Critical (25%)	1.0	1.1	1.0	0.6	1.0	0.7	1.2	1.4	1.5	0.5	1.2	1.3

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-30-2-11. Sacramento River d/s of North Delta Diversion, Monthly Averaged Daily Minimum Elevation

Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.7	4.6	8.8	8.3	10.2	9.5	6.2	3.0	1.5	2.0	1.4	1.6
20%	0.9	3.5	2.5	6.7	9.3	7.5	2.2	1.2	0.8	1.6	1.3	1.0
30%	0.7	1.1	1.8	4.8	5.0	5.8	1.7	1.1	0.8	1.6	1.2	0.9
40%	0.6	0.8	1.5	2.5	4.0	4.2	1.2	1.0	0.7	1.6	1.2	0.9
50%	0.6	0.6	1.3	2.4	2.6	3.3	1.0	0.8	0.7	1.6	1.1	0.8
60%	0.6	0.6	1.0	1.8	1.2	3.1	0.8	0.6	0.7	1.5	1.0	0.7
70%	0.5	0.5	0.9	1.1	1.1	1.8	0.8	0.5	0.5	1.4	0.9	0.6
80%	0.4	0.4	0.8	0.9	1.1	1.1	0.7	0.3	0.4	1.2	0.8	0.5
90%	0.3	0.2	0.4	0.6	0.5	0.6	0.5	0.1	0.3	1.1	0.6	0.5
Long Term Full Simulation Period[a]	0.8	1.7	2.7	3.5	4.1	4.4	2.2	1.4	1.1	1.6	1.1	1.0
Water Year Types[b]												
Wet (31%)	1.4	4.2	7.5	6.4	8.8	8.8	5.3	3.4	2.6	2.1	1.3	1.9
Above Normal (25%)	0.4	0.7	1.6	8.1	7.8	6.7	2.9	1.5	0.9	1.3	1.1	0.9
Below Normal (6%)	0.9	0.6	0.5	2.4	4.0	3.4	1.2	1.2	0.8	1.6	1.1	0.7
Dry (13%)	0.6	1.2	1.3	1.3	1.6	3.0	1.1	0.7	0.7	1.5	1.3	0.8
Critical (25%)	0.6	0.6	0.9	1.3	0.9	1.2	0.6	0.2	0.3	1.3	0.7	0.5

Alternative 7 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.0	3.7	8.4	7.6	9.4	8.6	5.5	2.6	2.2	3.2	2.6	3.1
20%	1.8	2.8	2.6	6.8	8.5	6.9	2.9	2.1	2.2	2.9	2.5	2.9
30%	1.8	2.0	2.6	4.5	4.7	4.8	2.3	2.1	2.1	2.9	2.4	2.2
40%	1.7	1.8	2.3	2.8	3.2	3.2	2.1	2.0	2.1	2.9	2.4	2.2
50%	1.7	1.7	2.2	2.7	2.8	3.0	2.1	1.9	2.1	2.7	2.4	2.1
60%	1.7	1.6	2.0	2.4	2.6	2.8	2.0	1.8	2.1	2.6	2.3	2.1
70%	1.6	1.6	1.9	2.1	2.0	2.4	1.9	1.8	2.0	2.5	2.3	2.1
80%	1.6	1.6	1.8	1.9	2.0	1.9	1.9	1.7	2.0	2.3	2.2	2.1
90%	1.6	1.5	1.7	1.7	1.6	1.7	1.9	1.6	1.9	2.2	2.2	2.0
Long Term Full Simulation Period[a]	1.7	2.3	3.4	3.8	4.4	4.3	3.0	2.1	2.2	2.7	2.4	2.3
Water Year Types[b]												
Wet (31%)	1.9	3.9	7.5	6.0	8.2	7.7	5.4	2.8	2.5	3.0	2.5	3.1
Above Normal (25%)	1.7	1.7	2.5	7.6	7.4	5.9	2.6	2.0	1.9	2.8	2.2	2.2
Below Normal (6%)	1.7	1.6	1.7	3.0	3.2	3.1	2.3	1.9	2.2	2.6	2.4	2.2
Dry (13%)	1.7	1.9	2.1	2.1	2.3	3.1	2.2	2.0	2.1	3.0	2.5	2.0
Critical (25%)	1.8	1.7	1.9	2.1	2.0	2.0	1.8	1.7	2.0	2.3	2.3	2.1

Alternative 7 (LLT) minus Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.3	**-0.8**	**-0.4**	**-0.6**	**-0.8**	**-0.9**	**-0.7**	**-0.4**	0.8	1.3	1.2	1.5
20%	0.9	**-0.7**	0.1	0.1	**-0.8**	**-0.6**	0.7	0.9	1.4	1.3	1.2	1.9
30%	1.0	0.9	0.8	**-0.3**	**-0.4**	**-0.9**	0.6	1.0	1.4	1.3	1.2	1.3
40%	1.2	1.1	0.8	0.4	**-0.8**	**-1.0**	1.0	1.0	1.4	1.3	1.2	1.3
50%	1.1	1.2	1.0	0.3	0.3	**-0.3**	1.0	1.1	1.4	1.1	1.3	1.4
60%	1.1	1.1	1.0	0.6	1.4	**-0.2**	1.2	1.2	1.4	1.1	1.4	1.4
70%	1.2	1.1	1.0	1.0	0.9	0.5	1.1	1.3	1.6	1.2	1.4	1.4
80%	1.2	1.2	1.0	0.9	0.9	0.9	1.2	1.4	1.6	1.1	1.4	1.5
90%	1.3	1.3	1.3	1.1	1.1	1.2	1.4	1.5	1.6	1.1	1.6	1.5
Long Term Full Simulation Period[a]	0.9	0.7	0.7	0.3	0.3	**-0.1**	0.7	0.8	1.1	1.1	1.3	1.3
Water Year Types[b]												
Wet (31%)	0.5	**-0.3**	**0.0**	**-0.4**	**-0.6**	**-1.0**	0.1	**-0.6**	**-0.1**	0.9	1.2	1.2
Above Normal (25%)	1.2	1.0	0.8	**-0.5**	**-0.3**	**-0.8**	**-0.3**	0.5	1.1	1.4	1.1	1.2
Below Normal (6%)	0.8	1.1	1.3	0.6	**-0.8**	**-0.3**	1.1	0.7	1.4	1.0	1.2	1.5
Dry (13%)	1.1	0.7	0.8	0.8	0.6	0.0	1.1	1.3	1.4	1.4	1.2	1.2
Critical (25%)	1.1	1.2	1.0	0.8	1.1	0.8	1.2	1.5	1.7	1.0	1.6	1.6

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-30-2-12. Sacramento River d/s of North Delta Diversion, Monthly Averaged Daily Minimum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.7	4.6	8.8	8.3	10.2	9.5	6.2	3.0	1.5	2.0	1.4	1.6
20%	0.9	3.5	2.5	6.7	9.3	7.5	2.2	1.2	0.8	1.6	1.3	1.0
30%	0.7	1.1	1.8	4.8	5.0	5.8	1.7	1.1	0.8	1.6	1.2	0.9
40%	0.6	0.8	1.5	2.5	4.0	4.2	1.2	1.0	0.7	1.6	1.2	0.9
50%	0.6	0.6	1.3	2.4	2.6	3.3	1.0	0.8	0.7	1.6	1.1	0.8
60%	0.6	0.6	1.0	1.8	1.2	3.1	0.8	0.6	0.7	1.5	1.0	0.7
70%	0.5	0.5	0.9	1.1	1.1	1.8	0.8	0.5	0.5	1.4	0.9	0.6
80%	0.4	0.4	0.8	0.9	1.1	1.1	0.7	0.3	0.4	1.2	0.8	0.5
90%	0.3	0.2	0.4	0.6	0.5	0.6	0.5	0.1	0.3	1.1	0.6	0.5
Long Term Full Simulation Period[a]	0.8	1.7	2.7	3.5	4.1	4.4	2.2	1.4	1.1	1.6	1.1	1.0
Water Year Types[b]												
Wet (31%)	1.4	4.2	7.5	6.4	8.8	8.8	5.3	3.4	2.6	2.1	1.3	1.9
Above Normal (25%)	0.4	0.7	1.6	8.1	7.8	6.7	2.9	1.5	0.9	1.3	1.1	0.9
Below Normal (6%)	0.9	0.6	0.5	2.4	4.0	3.4	1.2	1.2	0.8	1.6	1.1	0.7
Dry (13%)	0.6	1.2	1.3	1.3	1.6	3.0	1.1	0.7	0.7	1.5	1.3	0.8
Critical (25%)	0.6	0.6	0.9	1.3	0.9	1.2	0.6	0.2	0.3	1.3	0.7	0.5

Alternative 8 (LLT)

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.0	4.0	8.5	7.7	9.3	8.6	5.8	3.0	2.2	2.6	2.4	3.1
20%	2.0	2.9	2.7	6.8	8.5	6.8	3.4	2.3	2.1	2.4	2.4	2.9
30%	1.9	2.1	2.6	4.6	5.2	5.4	2.5	2.2	2.1	2.3	2.4	2.3
40%	1.9	1.9	2.3	3.2	3.2	3.5	2.5	2.0	2.1	2.3	2.3	2.1
50%	1.8	1.9	2.2	2.9	3.0	3.3	2.4	2.0	2.1	2.3	2.3	2.1
60%	1.8	1.7	2.0	2.5	2.8	2.9	2.3	2.0	2.1	2.2	2.3	2.1
70%	1.7	1.7	1.9	2.1	2.2	2.6	2.2	1.9	2.1	2.2	2.2	2.0
80%	1.6	1.6	1.8	1.8	2.0	2.2	2.1	1.9	2.0	2.1	2.2	2.0
90%	1.6	1.6	1.7	1.8	1.7	2.0	2.0	1.7	1.9	2.1	2.1	2.0
Long Term Full Simulation Period[a]	1.8	2.4	3.4	3.9	4.5	4.5	3.2	2.3	2.2	2.3	2.3	2.3
Water Year Types[b]												
Wet (31%)	1.9	4.1	7.5	6.2	8.1	7.7	5.5	3.2	2.6	2.5	2.4	3.1
Above Normal (25%)	1.7	1.6	2.5	7.8	7.5	6.0	3.0	2.2	1.9	2.2	2.3	2.3
Below Normal (6%)	1.9	1.7	1.7	3.2	4.0	3.3	2.5	2.3	2.1	2.1	2.2	2.0
Dry (13%)	1.8	2.0	2.1	2.2	2.5	3.5	2.6	2.1	2.1	2.3	2.3	2.0
Critical (25%)	1.8	1.9	1.9	2.1	2.0	2.2	2.0	1.8	2.0	2.2	2.2	2.1

Alternative 8 (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.3	**-0.5**	**-0.4**	**-0.6**	**-0.9**	**-0.9**	**-0.4**	**0.0**	0.8	0.7	1.0	1.5
20%	1.1	**-0.6**	0.2	0.1	**-0.8**	**-0.6**	1.2	1.1	1.4	0.7	1.1	1.9
30%	1.2	0.9	0.8	**-0.2**	0.2	**-0.4**	0.8	1.1	1.3	0.7	1.2	1.4
40%	1.3	1.2	0.8	0.8	**-0.8**	**-0.7**	1.3	1.1	1.4	0.7	1.2	1.2
50%	1.2	1.3	1.0	0.5	0.5	**0.0**	1.3	1.2	1.4	0.7	1.2	1.3
60%	1.2	1.1	1.0	0.8	1.6	**-0.1**	1.5	1.4	1.4	0.7	1.3	1.3
70%	1.3	1.2	1.0	1.0	1.1	0.7	1.3	1.4	1.6	0.8	1.3	1.4
80%	1.2	1.2	1.0	0.9	0.9	1.1	1.4	1.5	1.7	0.9	1.4	1.5
90%	1.4	1.3	1.3	1.1	1.2	1.5	1.5	1.6	1.6	1.0	1.5	1.5
Long Term Full Simulation Period[a]	1.0	0.8	0.7	0.4	0.4	0.1	1.0	1.0	1.1	0.7	1.2	1.3
Water Year Types[b]												
Wet (31%)	0.5	**-0.1**	**0.0**	**-0.2**	**-0.7**	**-1.0**	0.2	**-0.1**	0.0	0.5	1.2	1.2
Above Normal (25%)	1.3	0.9	0.8	**-0.3**	**-0.3**	**-0.7**	0.0	0.7	1.1	0.9	1.3	1.3
Below Normal (6%)	0.9	1.1	1.3	0.8	**0.0**	**-0.1**	1.3	1.1	1.4	0.5	1.1	1.3
Dry (13%)	1.2	0.8	0.8	0.9	0.8	0.5	1.5	1.4	1.4	0.7	1.0	1.2
Critical (25%)	1.2	1.3	1.0	0.8	1.2	1.1	1.4	1.6	1.7	1.0	1.5	1.6

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-30-2-13. Sacramento River d/s of North Delta Diversion, Monthly Averaged Daily Minimum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.7	4.6	8.8	8.3	10.2	9.5	6.2	3.0	1.5	2.0	1.4	1.6
20%	0.9	3.5	2.5	6.7	9.3	7.5	2.2	1.2	0.8	1.6	1.3	1.0
30%	0.7	1.1	1.8	4.8	5.0	5.8	1.7	1.1	0.8	1.6	1.2	0.9
40%	0.6	0.8	1.5	2.5	4.0	4.2	1.2	1.0	0.7	1.6	1.2	0.9
50%	0.6	0.6	1.3	2.4	2.6	3.3	1.0	0.8	0.7	1.6	1.1	0.8
60%	0.6	0.6	1.0	1.8	1.2	3.1	0.8	0.6	0.7	1.5	1.0	0.7
70%	0.5	0.5	0.9	1.1	1.1	1.8	0.8	0.5	0.5	1.4	0.9	0.6
80%	0.4	0.4	0.8	0.9	1.1	1.1	0.7	0.3	0.4	1.2	0.8	0.5
90%	0.3	0.2	0.4	0.6	0.5	0.6	0.5	0.1	0.3	1.1	0.6	0.5
Long Term Full Simulation Period[a]	0.8	1.7	2.7	3.5	4.1	4.4	2.2	1.4	1.1	1.6	1.1	1.0
Water Year Types[b]												
Wet (31%)	1.4	4.2	7.5	6.4	8.8	8.8	5.3	3.4	2.6	2.1	1.3	1.9
Above Normal (25%)	0.4	0.7	1.6	8.1	7.8	6.7	2.9	1.5	0.9	1.3	1.1	0.9
Below Normal (6%)	0.9	0.6	0.5	2.4	4.0	3.4	1.2	1.2	0.8	1.6	1.1	0.7
Dry (13%)	0.6	1.2	1.3	1.3	1.6	3.0	1.1	0.7	0.7	1.5	1.3	0.8
Critical (25%)	0.6	0.6	0.9	1.3	0.9	1.2	0.6	0.2	0.3	1.3	0.7	0.5

Alternative 9 (LLT)

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.5	4.3	9.3	9.1	10.8	10.0	6.5	3.2	2.7	3.1	2.7	4.2
20%	2.4	3.3	2.9	8.0	9.9	8.3	3.1	2.5	2.3	3.0	2.7	3.6
30%	2.3	2.6	2.8	5.3	5.9	6.0	2.6	2.4	2.3	3.0	2.7	2.9
40%	2.2	2.2	2.6	3.3	4.1	4.1	2.4	2.3	2.3	3.0	2.6	2.3
50%	2.0	2.1	2.5	3.2	3.2	3.8	2.3	2.2	2.3	2.9	2.6	2.2
60%	2.0	1.9	2.4	2.7	2.4	3.1	2.2	2.1	2.2	2.7	2.4	2.2
70%	2.0	1.9	2.2	2.3	2.2	2.6	2.1	2.0	2.1	2.6	2.3	2.1
80%	1.9	1.8	2.2	2.1	2.2	2.1	2.1	1.9	2.1	2.3	2.3	2.0
90%	1.8	1.7	2.0	2.0	1.9	2.0	2.0	1.7	2.0	2.3	2.1	2.0
Long Term Full Simulation Period[a]	2.1	2.7	3.8	4.5	5.0	5.0	3.3	2.5	2.4	2.8	2.5	2.7
Water Year Types[b]												
Wet (31%)	2.5	4.6	8.3	7.2	9.5	9.0	6.1	3.4	3.0	3.0	2.7	4.1
Above Normal (25%)	1.9	2.0	2.7	8.9	8.8	7.2	3.3	2.3	2.2	3.1	2.7	2.9
Below Normal (6%)	2.3	2.4	2.2	3.3	4.1	3.7	2.4	2.0	2.3	2.6	2.4	2.3
Dry (13%)	2.1	2.3	2.4	2.4	2.6	3.5	2.4	2.4	2.3	2.8	2.5	2.1
Critical (25%)	2.0	2.1	2.2	2.4	2.1	2.3	2.0	1.9	2.0	2.5	2.2	2.1

Alternative 9 (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.7	**-0.2**	0.4	0.8	0.6	0.5	0.3	0.2	1.2	1.2	1.3	2.6
20%	1.5	**-0.2**	0.4	1.4	0.7	0.8	0.9	1.3	1.6	1.4	1.4	2.6
30%	1.5	1.5	1.0	0.5	0.9	0.3	0.9	1.3	1.5	1.4	1.5	2.0
40%	1.6	1.5	1.1	0.9	0.0	**-0.1**	1.2	1.3	1.6	1.4	1.5	1.4
50%	1.5	1.5	1.2	0.8	0.6	0.5	1.2	1.4	1.6	1.3	1.5	1.4
60%	1.5	1.4	1.4	1.0	1.2	0.1	1.3	1.5	1.5	1.1	1.5	1.4
70%	1.5	1.4	1.3	1.2	1.1	0.7	1.3	1.5	1.6	1.2	1.4	1.4
80%	1.5	1.4	1.3	1.2	1.1	1.0	1.4	1.5	1.7	1.1	1.5	1.5
90%	1.5	1.5	1.6	1.3	1.4	1.4	1.5	1.6	1.7	1.2	1.4	1.5
Long Term Full Simulation Period[a]	1.3	1.1	1.1	1.0	0.9	0.6	1.1	1.1	1.3	1.2	1.4	1.7
Water Year Types[b]												
Wet (31%)	1.1	0.3	0.8	0.8	0.7	0.3	0.9	0.1	0.4	1.0	1.4	2.2
Above Normal (25%)	1.4	1.2	1.1	0.7	1.0	0.5	0.4	0.8	1.4	1.8	1.6	2.0
Below Normal (6%)	1.4	1.8	1.7	0.9	0.0	0.3	1.2	0.9	1.6	1.0	1.2	1.6
Dry (13%)	1.5	1.1	1.1	1.1	1.0	0.5	1.2	1.7	1.5	1.3	1.2	1.3
Critical (25%)	1.4	1.5	1.3	1.1	1.2	1.1	1.4	1.6	1.7	1.2	1.4	1.5

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-30-2-14. Sacramento River d/s of North Delta Diversion, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.2	4.2	9.4	9.4	10.8	10.0	6.8	3.0	2.2	3.3	2.5	3.9
20%	2.1	3.2	2.9	8.3	10.1	8.6	3.2	2.2	2.0	3.2	2.4	3.2
30%	1.9	2.4	2.8	5.7	6.3	6.6	2.5	2.1	1.9	3.1	2.4	2.6
40%	1.9	2.1	2.5	3.5	4.2	4.7	2.2	1.9	1.8	2.9	2.3	1.9
50%	1.8	1.9	2.3	3.3	3.3	4.0	2.0	1.7	1.8	2.8	2.1	1.9
60%	1.8	1.6	2.1	2.7	2.3	3.3	1.9	1.7	1.7	2.5	2.0	1.8
70%	1.8	1.6	1.9	2.4	2.0	2.5	1.9	1.6	1.7	2.4	1.9	1.7
80%	1.7	1.5	1.7	2.1	2.0	1.9	1.8	1.5	1.5	2.3	1.8	1.7
90%	1.5	1.4	1.5	1.8	1.6	1.7	1.6	1.3	1.5	2.0	1.7	1.6
Long Term												
Full Simulation Period[a]	1.9	2.5	3.6	4.5	5.0	5.1	3.2	2.1	1.9	2.7	2.1	2.3
Water Year Types[b]												
Wet (31%)	2.2	4.4	8.3	7.5	9.6	9.2	6.1	3.2	2.6	2.9	2.4	3.8
Above Normal (25%)	1.7	1.7	2.7	9.0	9.0	7.7	3.5	2.1	1.9	3.1	2.4	2.6
Below Normal (6%)	2.1	2.1	1.9	3.5	4.2	3.9	2.2	1.8	2.0	2.3	2.1	1.9
Dry (13%)	1.8	2.1	2.2	2.3	2.6	3.7	2.1	1.9	1.8	2.8	2.2	1.8
Critical (25%)	1.8	1.7	1.8	2.5	1.8	2.2	1.7	1.4	1.5	2.3	1.7	1.7

Alternative 1A,1B,1C (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3.1	3.1	7.7	7.3	9.0	8.1	5.1	2.4	2.5	3.1	2.4	2.3
20%	2.7	2.9	2.5	6.2	8.0	6.5	2.7	2.3	2.4	3.1	2.4	2.2
30%	2.4	2.3	2.5	4.6	4.4	4.9	2.4	2.1	2.3	2.9	2.3	2.2
40%	2.3	2.0	2.4	2.9	2.9	3.0	2.2	2.0	2.1	2.7	2.3	2.1
50%	2.0	1.8	2.4	2.5	2.5	2.8	2.2	2.0	2.1	2.6	2.1	2.1
60%	1.9	1.7	2.2	2.3	2.0	2.6	2.1	1.9	2.1	2.4	2.1	2.1
70%	1.8	1.6	2.0	2.1	1.9	2.2	2.0	1.9	2.0	2.3	2.0	1.9
80%	1.8	1.5	1.9	1.9	1.9	1.9	1.9	1.7	2.0	2.2	1.9	1.8
90%	1.8	1.4	1.8	1.8	1.9	1.7	1.9	1.5	1.9	2.1	1.9	1.7
Long Term												
Full Simulation Period[a]	2.3	2.2	3.3	3.7	4.1	4.1	2.9	2.1	2.2	2.6	2.2	2.0
Water Year Types[b]												
Wet (31%)	2.0	3.8	7.0	5.7	7.8	7.4	5.2	2.7	2.5	2.9	2.1	2.0
Above Normal (25%)	2.3	1.5	2.5	6.9	7.2	5.8	2.5	2.1	2.1	2.6	2.0	1.6
Below Normal (6%)	3.2	1.5	1.9	2.9	2.9	2.7	2.1	1.9	2.3	2.1	1.8	1.8
Dry (13%)	1.9	1.8	2.2	2.4	2.1	3.0	2.3	2.1	2.2	2.9	2.5	2.1
Critical (25%)	2.6	1.8	2.0	2.0	1.9	2.0	1.9	1.7	1.9	2.3	2.1	2.2

Alternative 1A,1B,1C (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.9	**-1.1**	**-1.7**	**-2.1**	**-1.8**	**-1.8**	**-1.7**	**-0.6**	0.3	**-0.2**	**-0.1**	**-1.6**
20%	0.7	**-0.3**	**-0.4**	**-2.1**	**-2.1**	**-2.1**	**-0.5**	0.0	0.3	**-0.2**	**-0.1**	**-1.0**
30%	0.5	**-0.1**	**-0.3**	**-1.1**	**-1.9**	**-1.7**	**-0.1**	0.1	0.4	**-0.2**	**-0.1**	**-0.4**
40%	0.4	**-0.1**	**0.0**	**-0.6**	**-1.3**	**-1.6**	0.1	0.1	0.3	**-0.2**	**-0.1**	0.2
50%	0.2	**-0.1**	0.0	**-0.8**	**-0.8**	**-1.2**	0.2	0.3	0.3	**-0.2**	**-0.1**	0.2
60%	0.1	0.1	0.1	**-0.4**	**-0.3**	**-0.7**	0.2	0.3	0.4	**-0.1**	0.0	0.2
70%	0.1	0.0	0.0	**-0.3**	**-0.1**	**-0.3**	0.2	0.3	0.3	**-0.1**	0.1	0.2
80%	0.1	**0.0**	0.2	**-0.2**	**0.0**	0.0	0.2	0.2	0.4	**-0.1**	0.1	0.2
90%	0.3	0.0	0.3	**0.0**	0.3	0.0	0.2	0.3	0.4	0.1	0.2	0.1
Long Term												
Full Simulation Period[a]	0.4	**-0.3**	**-0.3**	**-0.9**	**-0.9**	**-1.0**	**-0.3**	0.0	0.2	**-0.1**	0.0	**-0.3**
Water Year Types[b]												
Wet (31%)	**-0.2**	**-0.6**	**-1.3**	**-1.7**	**-1.8**	**-1.7**	**-0.9**	**-0.5**	**-0.1**	**-0.1**	**-0.3**	**-1.7**
Above Normal (25%)	0.7	**-0.2**	**-0.2**	**-2.0**	**-1.8**	**-1.8**	**-0.9**	**0.0**	0.2	**-0.4**	**-0.4**	**-1.0**
Below Normal (6%)	1.2	**-0.6**	**0.0**	**-0.6**	**-1.3**	**-1.2**	**-0.1**	0.2	0.2	**-0.3**	**-0.3**	**-0.1**
Dry (13%)	0.1	**-0.3**	0.0	0.1	**-0.5**	**-0.7**	0.1	0.2	0.4	0.0	0.3	0.3
Critical (25%)	0.8	0.1	0.1	**-0.5**	0.1	**-0.2**	0.2	0.2	0.4	0.1	0.4	0.5

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-30-2-15. Sacramento River d/s of North Delta Diversion, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.2	4.2	9.4	9.4	10.8	10.0	6.8	3.0	2.2	3.3	2.5	3.9
20%	2.1	3.2	2.9	8.3	10.1	8.6	3.2	2.2	2.0	3.2	2.4	3.2
30%	1.9	2.4	2.8	5.7	6.3	6.6	2.5	2.1	1.9	3.1	2.4	2.6
40%	1.9	2.1	2.5	3.5	4.2	4.7	2.2	1.9	1.8	2.9	2.3	1.9
50%	1.8	1.9	2.3	3.3	3.3	4.0	2.0	1.7	1.8	2.8	2.1	1.9
60%	1.8	1.6	2.1	2.7	2.3	3.3	1.9	1.7	1.7	2.5	2.0	1.8
70%	1.8	1.6	1.9	2.4	2.0	2.5	1.9	1.6	1.7	2.4	1.9	1.7
80%	1.7	1.5	1.7	2.1	2.0	1.9	1.8	1.5	1.5	2.3	1.8	1.7
90%	1.5	1.4	1.5	1.8	1.6	1.7	1.6	1.3	1.5	2.0	1.7	1.6
Long Term												
Full Simulation Period[a]	1.9	2.5	3.6	4.5	5.0	5.1	3.2	2.1	1.9	2.7	2.1	2.3
Water Year Types[b]												
Wet (31%)	2.2	4.4	8.3	7.5	9.6	9.2	6.1	3.2	2.6	2.9	2.4	3.8
Above Normal (25%)	1.7	1.7	2.7	9.0	9.0	7.7	3.5	2.1	1.9	3.1	2.4	2.6
Below Normal (6%)	2.1	2.1	1.9	3.5	4.2	3.9	2.2	1.8	2.0	2.3	2.1	1.9
Dry (13%)	1.8	2.1	2.2	2.3	2.6	3.7	2.1	1.9	1.8	2.8	2.2	1.8
Critical (25%)	1.8	1.7	1.8	2.5	1.8	2.2	1.7	1.4	1.5	2.3	1.7	1.7

Alternative 2A,2B,2C (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.3	3.0	7.6	7.5	9.1	8.2	5.3	2.4	2.4	3.2	2.4	3.0
20%	2.2	2.7	2.6	6.4	8.2	6.7	2.8	2.3	2.4	3.1	2.3	2.8
30%	2.1	2.0	2.5	4.4	4.5	4.7	2.3	2.2	2.2	2.9	2.3	2.4
40%	1.9	2.0	2.4	2.7	3.0	3.1	2.2	2.1	2.1	2.8	2.3	2.2
50%	1.8	1.9	2.2	2.6	2.6	2.9	2.1	2.0	2.1	2.8	2.2	2.2
60%	1.8	1.7	2.2	2.5	1.9	2.7	2.0	1.9	2.0	2.6	2.1	2.1
70%	1.8	1.7	2.0	2.2	1.9	2.2	2.0	1.8	2.0	2.4	2.1	2.1
80%	1.7	1.6	1.9	1.9	1.9	1.8	1.9	1.7	1.9	2.3	2.0	2.1
90%	1.6	1.5	1.8	1.8	1.6	1.8	1.8	1.5	1.9	2.0	2.0	2.0
Long Term												
Full Simulation Period[a]	1.9	2.2	3.3	3.7	4.1	4.1	2.9	2.1	2.1	2.7	2.2	2.3
Water Year Types[b]												
Wet (31%)	1.9	3.5	7.0	5.9	7.9	7.5	5.2	2.7	2.5	2.9	2.1	3.0
Above Normal (25%)	2.2	1.6	2.5	7.1	7.1	5.9	2.5	2.1	1.9	3.1	2.2	2.1
Below Normal (6%)	1.8	1.6	1.9	2.9	3.0	2.8	2.2	1.9	2.1	2.0	1.8	2.0
Dry (13%)	1.7	1.9	2.2	2.0	2.1	2.8	2.2	2.2	2.2	2.8	2.4	2.2
Critical (25%)	2.0	1.9	2.0	2.3	1.8	2.0	1.9	1.7	1.9	2.4	2.2	2.2

Alternative 2A,2B,2C (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.1	**-1.1**	**-1.8**	**-1.9**	**-1.7**	**-1.8**	**-1.6**	**-0.6**	0.2	**-0.1**	**0.0**	**-0.9**
20%	0.2	**-0.5**	**-0.3**	**-1.9**	**-1.9**	**-1.9**	**-0.4**	0.1	0.3	**-0.2**	**-0.1**	**-0.4**
30%	0.1	**-0.3**	**-0.3**	**-1.3**	**-1.8**	**-1.9**	**-0.3**	0.1	0.2	**-0.1**	**-0.1**	**-0.3**
40%	0.0	**-0.1**	**-0.1**	**-0.8**	**-1.2**	**-1.5**	0.0	0.2	0.3	**0.0**	**-0.1**	0.3
50%	0.0	0.0	**-0.1**	**-0.7**	**-0.7**	**-1.1**	0.1	0.3	0.3	0.0	0.1	0.3
60%	**0.0**	0.1	0.1	**-0.2**	**-0.4**	**-0.6**	0.1	0.2	0.3	0.0	0.1	0.3
70%	0.0	0.1	0.1	**-0.3**	**-0.1**	**-0.3**	0.1	0.2	0.3	**-0.1**	0.1	0.4
80%	0.1	0.1	0.2	**-0.1**	**-0.1**	**-0.1**	0.1	0.2	0.4	**-0.1**	0.2	0.4
90%	0.1	0.1	0.3	0.1	0.0	0.1	0.2	0.2	0.4	0.0	0.3	0.4
Long Term												
Full Simulation Period[a]	0.1	**-0.3**	**-0.3**	**-0.8**	**-0.9**	**-1.0**	**-0.3**	0.0	0.2	0.0	0.1	**0.0**
Water Year Types[b]												
Wet (31%)	**-0.2**	**-0.9**	**-1.3**	**-1.6**	**-1.7**	**-1.7**	**-0.9**	**-0.5**	**-0.2**	0.0	**-0.3**	**-0.8**
Above Normal (25%)	0.6	**-0.1**	**-0.2**	**-1.9**	**-1.9**	**-1.7**	**-0.9**	**0.0**	0.0	0.0	**-0.1**	**-0.5**
Below Normal (6%)	**-0.3**	**-0.5**	**-0.1**	**-0.6**	**-1.2**	**-1.1**	**0.0**	0.1	0.1	**-0.4**	**-0.2**	0.1
Dry (13%)	**-0.1**	**-0.2**	**0.0**	**-0.3**	**-0.5**	**-0.9**	0.1	0.2	0.4	**0.0**	0.2	0.4
Critical (25%)	0.3	0.2	0.2	**-0.2**	**-0.1**	**-0.2**	0.1	0.2	0.4	0.1	0.4	0.5

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-30-2-16. Sacramento River d/s of North Delta Diversion, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.2	4.2	9.4	9.4	10.8	10.0	6.8	3.0	2.2	3.3	2.5	3.9
20%	2.1	3.2	2.9	8.3	10.1	8.6	3.2	2.2	2.0	3.2	2.4	3.2
30%	1.9	2.4	2.8	5.7	6.3	6.6	2.5	2.1	1.9	3.1	2.4	2.6
40%	1.9	2.1	2.5	3.5	4.2	4.7	2.2	1.9	1.8	2.9	2.3	1.9
50%	1.8	1.9	2.3	3.3	3.3	4.0	2.0	1.7	1.8	2.8	2.1	1.9
60%	1.8	1.6	2.1	2.7	2.3	3.3	1.9	1.7	1.7	2.5	2.0	1.8
70%	1.8	1.6	1.9	2.4	2.0	2.5	1.9	1.6	1.7	2.4	1.9	1.7
80%	1.7	1.5	1.7	2.1	2.0	1.9	1.8	1.5	1.5	2.3	1.8	1.7
90%	1.5	1.4	1.5	1.8	1.6	1.7	1.6	1.3	1.5	2.0	1.7	1.6
Long Term												
Full Simulation Period[a]	1.9	2.5	3.6	4.5	5.0	5.1	3.2	2.1	1.9	2.7	2.1	2.3
Water Year Types[b]												
Wet (31%)	2.2	4.4	8.3	7.5	9.6	9.2	6.1	3.2	2.6	2.9	2.4	3.8
Above Normal (25%)	1.7	1.7	2.7	9.0	9.0	7.7	3.5	2.1	1.9	3.1	2.4	2.6
Below Normal (6%)	2.1	2.1	1.9	3.5	4.2	3.9	2.2	1.8	2.0	2.3	2.1	1.9
Dry (13%)	1.8	2.1	2.2	2.3	2.6	3.7	2.1	1.9	1.8	2.8	2.2	1.8
Critical (25%)	1.8	1.7	1.8	2.5	1.8	2.2	1.7	1.4	1.5	2.3	1.7	1.7

Alternative 3 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3.1	3.9	8.6	8.1	9.8	8.9	5.7	2.8	2.7	3.1	2.4	2.3
20%	2.8	2.9	2.9	7.1	8.9	7.3	2.9	2.3	2.4	3.0	2.3	2.2
30%	2.5	2.0	2.7	4.9	5.1	5.4	2.5	2.2	2.2	2.9	2.3	2.2
40%	2.2	1.9	2.4	3.1	3.4	3.4	2.2	2.0	2.1	2.6	2.2	2.1
50%	2.2	1.8	2.4	2.9	2.9	3.2	2.2	1.9	2.1	2.5	2.1	2.1
60%	1.9	1.8	2.3	2.5	2.2	2.8	2.1	1.9	2.0	2.4	2.1	2.1
70%	1.9	1.8	2.0	2.1	2.1	2.5	2.0	1.9	2.0	2.3	2.0	2.0
80%	1.8	1.7	2.0	2.0	2.0	2.1	2.0	1.7	1.9	2.0	2.0	2.0
90%	1.8	1.6	1.8	1.8	1.7	1.9	1.8	1.5	1.9	2.0	2.0	1.9
Long Term												
Full Simulation Period[a]	2.3	2.4	3.6	4.0	4.5	4.5	3.1	2.2	2.2	2.6	2.2	2.1
Water Year Types[b]												
Wet (31%)	2.1	4.2	7.6	6.3	8.5	8.1	5.6	3.0	2.8	2.8	2.1	2.4
Above Normal (25%)	2.5	1.8	2.6	7.8	7.9	6.3	2.9	2.0	2.2	2.6	2.0	2.0
Below Normal (6%)	2.8	1.8	2.0	3.1	3.4	3.1	2.2	1.9	2.1	2.0	1.8	1.8
Dry (13%)	1.9	2.0	2.3	2.3	2.4	3.3	2.3	2.2	2.1	2.9	2.4	2.1
Critical (25%)	2.7	1.8	2.0	2.2	1.9	2.1	1.9	1.7	1.9	2.3	2.2	2.2

Alternative 3 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.9	**-0.3**	**-0.8**	**-1.3**	**-1.0**	**-1.0**	**-1.1**	**-0.2**	0.5	**-0.2**	**-0.1**	**-1.6**
20%	0.8	**-0.3**	**0.0**	**-1.1**	**-1.2**	**-1.3**	**-0.3**	0.1	0.4	**-0.2**	**-0.1**	**-1.0**
30%	0.6	**-0.4**	**-0.1**	**-0.9**	**-1.2**	**-1.2**	**0.0**	0.1	0.3	**-0.1**	**0.0**	**-0.4**
40%	0.3	**-0.2**	**0.0**	**-0.3**	**-0.8**	**-1.3**	0.0	0.1	0.3	**-0.3**	**-0.1**	0.2
50%	0.3	**-0.1**	0.0	**-0.4**	**-0.4**	**-0.8**	0.2	0.2	0.3	**-0.3**	**-0.1**	0.2
60%	0.1	0.1	0.2	**-0.2**	**-0.1**	**-0.5**	0.2	0.2	0.3	**-0.1**	0.0	0.2
70%	0.1	0.2	0.1	**-0.3**	0.1	**0.0**	0.2	0.3	0.3	**-0.1**	0.1	0.3
80%	0.1	0.2	0.3	**-0.1**	0.1	0.2	0.2	0.2	0.4	**-0.3**	0.2	0.3
90%	0.3	0.2	0.3	0.1	0.1	0.1	0.2	0.2	0.4	0.0	0.3	0.3
Long Term												
Full Simulation Period[a]	0.4	**-0.1**	**-0.1**	**-0.5**	**-0.5**	**-0.6**	**-0.1**	0.1	0.3	**-0.1**	0.0	**-0.2**
Water Year Types[b]												
Wet (31%)	**-0.1**	**-0.2**	**-0.6**	**-1.1**	**-1.1**	**-1.1**	**-0.5**	**-0.3**	0.2	**-0.1**	**-0.3**	**-1.4**
Above Normal (25%)	0.9	0.1	**-0.1**	**-1.2**	**-1.1**	**-1.3**	**-0.5**	**-0.1**	0.3	**-0.4**	**-0.3**	**-0.6**
Below Normal (6%)	0.8	**-0.3**	0.1	**-0.3**	**-0.8**	**-0.8**	0.0	0.1	0.1	**-0.3**	**-0.3**	**-0.1**
Dry (13%)	0.1	**-0.2**	0.2	0.0	**-0.2**	**-0.4**	0.1	0.3	0.3	0.0	0.2	0.3
Critical (25%)	0.9	0.1	0.2	**-0.2**	0.1	**-0.1**	0.2	0.2	0.4	0.1	0.4	0.5

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-30-2-17. Sacramento River d/s of North Delta Diversion, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.2	4.2	9.4	9.4	10.8	10.0	6.8	3.0	2.2	3.3	2.5	3.9
20%	2.1	3.2	2.9	8.3	10.1	8.6	3.2	2.2	2.0	3.2	2.4	3.2
30%	1.9	2.4	2.8	5.7	6.3	6.6	2.5	2.1	1.9	3.1	2.4	2.6
40%	1.9	2.1	2.5	3.5	4.2	4.7	2.2	1.9	1.8	2.9	2.3	1.9
50%	1.8	1.9	2.3	3.3	3.3	4.0	2.0	1.7	1.8	2.8	2.1	1.9
60%	1.8	1.6	2.1	2.7	2.3	3.3	1.9	1.7	1.7	2.5	2.0	1.8
70%	1.8	1.6	1.9	2.4	2.0	2.5	1.9	1.6	1.7	2.4	1.9	1.7
80%	1.7	1.5	1.7	2.1	2.0	1.9	1.8	1.5	1.5	2.3	1.8	1.7
90%	1.5	1.4	1.5	1.8	1.6	1.7	1.6	1.3	1.5	2.0	1.7	1.6
Long Term Full Simulation Period[a]	1.9	2.5	3.6	4.5	5.0	5.1	3.2	2.1	1.9	2.7	2.1	2.3
Water Year Types[b]												
Wet (31%)	2.2	4.4	8.3	7.5	9.6	9.2	6.1	3.2	2.6	2.9	2.4	3.8
Above Normal (25%)	1.7	1.7	2.7	9.0	9.0	7.7	3.5	2.1	1.9	3.1	2.4	2.6
Below Normal (6%)	2.1	2.1	1.9	3.5	4.2	3.9	2.2	1.8	2.0	2.3	2.1	1.9
Dry (13%)	1.8	2.1	2.2	2.3	2.6	3.7	2.1	1.9	1.8	2.8	2.2	1.8
Critical (25%)	1.8	1.7	1.8	2.5	1.8	2.2	1.7	1.4	1.5	2.3	1.7	1.7

Alternative 4 H1 (LLT)

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.3	3.7	8.3	7.8	9.6	8.6	5.4	2.6	2.4	3.5	2.5	2.4
20%	2.3	2.8	2.7	6.8	8.6	7.0	2.9	2.4	2.3	3.1	2.4	2.2
30%	2.1	2.0	2.6	4.6	4.7	5.3	2.3	2.2	2.1	3.0	2.3	2.2
40%	2.0	1.9	2.5	3.0	3.3	3.3	2.2	2.0	2.1	2.8	2.3	2.2
50%	1.9	1.7	2.3	2.8	2.7	3.0	2.1	2.0	2.0	2.7	2.2	2.1
60%	1.8	1.6	2.2	2.7	2.1	2.8	2.0	1.9	2.0	2.4	2.1	2.1
70%	1.7	1.6	2.0	2.5	2.0	2.2	2.0	1.8	1.9	2.4	2.1	2.1
80%	1.7	1.6	1.9	2.2	1.9	1.9	1.9	1.7	1.9	2.2	2.1	1.8
90%	1.6	1.5	1.9	1.8	1.8	1.8	1.9	1.5	1.9	2.0	1.9	1.7
Long Term Full Simulation Period[a]	2.0	2.3	3.5	4.0	4.4	4.3	2.9	2.1	2.1	2.7	2.2	2.1
Water Year Types[b]												
Wet (31%)	1.9	3.9	7.4	6.1	8.2	7.8	5.3	2.8	2.5	3.0	2.1	2.2
Above Normal (25%)	2.1	1.6	2.6	7.6	7.6	6.1	2.6	2.0	1.9	3.2	2.2	1.7
Below Normal (6%)	2.3	1.6	1.9	3.0	3.3	3.0	2.2	1.9	2.0	1.8	1.7	1.6
Dry (13%)	1.7	1.9	2.2	2.1	2.2	3.1	2.2	2.2	2.2	2.9	2.5	2.3
Critical (25%)	2.1	1.8	2.1	2.5	1.9	2.0	1.9	1.7	1.9	2.3	2.2	2.1

Alternative 4 H1 (LLT) minus No Action Alternative (LLT)

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.2	**-0.4**	**-1.1**	**-1.6**	**-1.2**	**-1.4**	**-1.5**	**-0.4**	0.2	0.2	**0.0**	**-1.5**
20%	0.2	**-0.4**	**-0.2**	**-1.5**	**-1.5**	**-1.6**	**-0.3**	0.1	0.2	**-0.1**	**0.0**	**-1.0**
30%	0.2	**-0.4**	**-0.2**	**-1.1**	**-1.6**	**-1.3**	**-0.3**	0.1	0.2	**-0.1**	**0.0**	**-0.4**
40%	0.1	**-0.2**	0.0	**-0.4**	**-1.0**	**-1.4**	0.0	0.1	0.2	**0.0**	**0.0**	0.2
50%	0.0	**-0.2**	0.0	**-0.5**	**-0.6**	**-1.0**	0.1	0.2	0.2	**0.0**	0.1	0.3
60%	**0.0**	0.0	0.1	**-0.1**	**-0.3**	**-0.5**	0.1	0.2	0.3	**-0.1**	0.1	0.3
70%	**0.0**	0.0	0.1	0.0	**-0.1**	**-0.3**	0.1	0.2	0.3	**-0.1**	0.1	0.4
80%	0.0	0.1	0.2	0.2	**0.0**	**0.0**	0.1	0.2	0.4	**-0.1**	0.3	0.1
90%	0.2	0.2	0.3	0.1	0.2	0.1	0.2	0.2	0.4	0.0	0.2	0.1
Long Term Full Simulation Period[a]	0.1	**-0.2**	**-0.2**	**-0.6**	**-0.7**	**-0.8**	**-0.2**	0.0	0.2	0.0	0.1	**-0.2**
Water Year Types[b]												
Wet (31%)	**-0.3**	**-0.5**	**-0.9**	**-1.3**	**-1.4**	**-1.4**	**-0.8**	**-0.4**	**-0.1**	0.1	**-0.3**	**-1.5**
Above Normal (25%)	0.5	**-0.1**	**-0.1**	**-1.4**	**-1.4**	**-1.5**	**-0.9**	**-0.1**	0.1	0.1	**-0.2**	**-0.9**
Below Normal (6%)	0.2	**-0.5**	**0.0**	**-0.4**	**-1.0**	**-0.9**	0.0	0.1	**0.0**	**-0.6**	**-0.3**	**-0.3**
Dry (13%)	**-0.1**	**-0.2**	0.1	**-0.1**	**-0.4**	**-0.6**	0.1	0.2	0.4	0.0	0.3	0.5
Critical (25%)	0.3	0.1	0.2	**0.0**	0.0	**-0.1**	0.1	0.2	0.4	0.0	0.4	0.5

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-30-2-18. Sacramento River d/s of North Delta Diversion, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.2	4.2	9.4	9.4	10.8	10.0	6.8	3.0	2.2	3.3	2.5	3.9
20%	2.1	3.2	2.9	8.3	10.1	8.6	3.2	2.2	2.0	3.2	2.4	3.2
30%	1.9	2.4	2.8	5.7	6.3	6.6	2.5	2.1	1.9	3.1	2.4	2.6
40%	1.9	2.1	2.5	3.5	4.2	4.7	2.2	1.9	1.8	2.9	2.3	1.9
50%	1.8	1.9	2.3	3.3	3.3	4.0	2.0	1.7	1.8	2.8	2.1	1.9
60%	1.8	1.6	2.1	2.7	2.3	3.3	1.9	1.7	1.7	2.5	2.0	1.8
70%	1.8	1.6	1.9	2.4	2.0	2.5	1.9	1.6	1.7	2.4	1.9	1.7
80%	1.7	1.5	1.7	2.1	2.0	1.9	1.8	1.5	1.5	2.3	1.8	1.7
90%	1.5	1.4	1.5	1.8	1.6	1.7	1.6	1.3	1.5	2.0	1.7	1.6
Long Term												
Full Simulation Period[a]	1.9	2.5	3.6	4.5	5.0	5.1	3.2	2.1	1.9	2.7	2.1	2.3
Water Year Types[b]												
Wet (31%)	2.2	4.4	8.3	7.5	9.6	9.2	6.1	3.2	2.6	2.9	2.4	3.8
Above Normal (25%)	1.7	1.7	2.7	9.0	9.0	7.7	3.5	2.1	1.9	3.1	2.4	2.6
Below Normal (6%)	2.1	2.1	1.9	3.5	4.2	3.9	2.2	1.8	2.0	2.3	2.1	1.9
Dry (13%)	1.8	2.1	2.2	2.3	2.6	3.7	2.1	1.9	1.8	2.8	2.2	1.8
Critical (25%)	1.8	1.7	1.8	2.5	1.8	2.2	1.7	1.4	1.5	2.3	1.7	1.7

Alternative 4 H2 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.5	3.8	8.4	7.8	9.6	8.6	5.8	2.7	2.4	3.0	2.4	2.3
20%	2.4	2.9	2.8	6.8	8.6	7.0	3.4	2.4	2.2	2.7	2.4	2.2
30%	2.1	2.0	2.6	4.6	4.8	5.5	3.0	2.4	2.1	2.6	2.3	2.2
40%	2.0	1.9	2.6	2.8	3.3	3.3	2.5	2.3	2.0	2.6	2.2	2.1
50%	1.9	1.7	2.2	2.7	2.7	3.1	2.2	2.0	2.0	2.5	2.2	2.1
60%	1.9	1.7	2.0	2.6	2.0	2.8	2.1	1.9	2.0	2.4	2.1	2.1
70%	1.8	1.6	1.9	2.4	2.0	2.3	2.0	1.8	1.9	2.1	2.1	2.0
80%	1.7	1.6	1.7	2.1	1.9	1.9	1.9	1.7	1.9	2.0	2.1	1.8
90%	1.7	1.5	1.7	1.9	1.6	1.8	1.8	1.5	1.9	1.9	1.9	1.7
Long Term												
Full Simulation Period[a]	2.0	2.3	3.4	4.0	4.3	4.4	3.2	2.2	2.1	2.4	2.2	2.1
Water Year Types[b]												
Wet (31%)	2.0	4.0	7.5	6.1	8.2	7.8	5.8	2.9	2.5	2.6	2.1	2.2
Above Normal (25%)	2.2	1.6	2.6	7.7	7.7	6.2	3.5	2.4	1.9	2.3	2.1	1.7
Below Normal (6%)	1.6	1.6	1.7	3.0	3.4	3.1	2.2	1.9	2.0	1.8	1.7	1.6
Dry (13%)	1.8	1.9	2.1	2.1	2.2	3.2	2.2	2.1	2.2	2.7	2.4	2.1
Critical (25%)	2.2	1.8	2.0	2.4	1.8	2.1	1.9	1.7	1.9	2.3	2.2	2.2

Alternative 4 H2 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.3	**-0.4**	**-1.0**	**-1.6**	**-1.2**	**-1.4**	**-1.1**	**-0.2**	0.2	**-0.3**	**0.0**	**-1.6**
20%	0.3	**-0.3**	**-0.1**	**-1.5**	**-1.5**	**-1.6**	0.2	0.2	0.2	**-0.5**	**-0.1**	**-1.0**
30%	0.2	**-0.4**	**-0.2**	**-1.2**	**-1.5**	**-1.1**	0.5	0.3	0.2	**-0.4**	**-0.1**	**-0.4**
40%	0.1	**-0.2**	0.1	**-0.7**	**-0.9**	**-1.4**	0.3	0.4	0.2	**-0.3**	**-0.1**	0.2
50%	0.1	**-0.2**	**-0.2**	**-0.6**	**-0.6**	**-0.9**	0.2	0.3	0.2	**-0.3**	0.0	0.3
60%	0.0	0.0	**-0.1**	**-0.1**	**-0.3**	**-0.5**	0.2	0.2	0.3	**-0.1**	0.1	0.3
70%	0.0	0.0	0.0	**-0.1**	**-0.1**	**-0.3**	0.1	0.3	0.3	**-0.3**	0.1	0.3
80%	0.0	0.1	0.0	0.1	**0.0**	**0.0**	0.1	0.2	0.4	**-0.3**	0.3	0.2
90%	0.2	0.1	0.2	0.1	0.0	0.1	0.2	0.2	0.4	**-0.1**	0.2	0.1
Long Term												
Full Simulation Period[a]	0.1	**-0.2**	**-0.2**	**-0.6**	**-0.7**	**-0.7**	**0.0**	0.1	0.2	**-0.2**	0.0	**-0.3**
Water Year Types[b]												
Wet (31%)	**-0.2**	**-0.4**	**-0.8**	**-1.3**	**-1.4**	**-1.4**	**-0.3**	**-0.3**	**-0.2**	**-0.4**	**-0.3**	**-1.5**
Above Normal (25%)	0.6	**-0.1**	**-0.1**	**-1.2**	**-1.3**	**-1.5**	0.0	0.3	0.0	**-0.8**	**-0.3**	**-0.9**
Below Normal (6%)	**-0.5**	**-0.5**	**-0.2**	**-0.4**	**-0.8**	**-0.7**	0.0	0.2	**0.0**	**-0.6**	**-0.4**	**-0.3**
Dry (13%)	0.0	**-0.2**	**0.0**	**-0.2**	**-0.4**	**-0.5**	0.1	0.2	0.4	**-0.1**	0.2	0.3
Critical (25%)	0.4	0.1	0.1	**-0.1**	**0.0**	**-0.1**	0.1	0.2	0.4	0.1	0.4	0.5

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-30-2-19. Sacramento River d/s of North Delta Diversion, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.2	4.2	9.4	9.4	10.8	10.0	6.8	3.0	2.2	3.3	2.5	3.9
20%	2.1	3.2	2.9	8.3	10.1	8.6	3.2	2.2	2.0	3.2	2.4	3.2
30%	1.9	2.4	2.8	5.7	6.3	6.6	2.5	2.1	1.9	3.1	2.4	2.6
40%	1.9	2.1	2.5	3.5	4.2	4.7	2.2	1.9	1.8	2.9	2.3	1.9
50%	1.8	1.9	2.3	3.3	3.3	4.0	2.0	1.7	1.8	2.8	2.1	1.9
60%	1.8	1.6	2.1	2.7	2.3	3.3	1.9	1.7	1.7	2.5	2.0	1.8
70%	1.8	1.6	1.9	2.4	2.0	2.5	1.9	1.6	1.7	2.4	1.9	1.7
80%	1.7	1.5	1.7	2.1	2.0	1.9	1.8	1.5	1.5	2.3	1.8	1.7
90%	1.5	1.4	1.5	1.8	1.6	1.7	1.6	1.3	1.5	2.0	1.7	1.6
Long Term												
Full Simulation Period[a]	1.9	2.5	3.6	4.5	5.0	5.1	3.2	2.1	1.9	2.7	2.1	2.3
Water Year Types[b]												
Wet (31%)	2.2	4.4	8.3	7.5	9.6	9.2	6.1	3.2	2.6	2.9	2.4	3.8
Above Normal (25%)	1.7	1.7	2.7	9.0	9.0	7.7	3.5	2.1	1.9	3.1	2.4	2.6
Below Normal (6%)	2.1	2.1	1.9	3.5	4.2	3.9	2.2	1.8	2.0	2.3	2.1	1.9
Dry (13%)	1.8	2.1	2.2	2.3	2.6	3.7	2.1	1.9	1.8	2.8	2.2	1.8
Critical (25%)	1.8	1.7	1.8	2.5	1.8	2.2	1.7	1.4	1.5	2.3	1.7	1.7

Alternative 4 H3 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.2	3.7	8.1	7.8	9.5	8.6	5.4	2.6	2.4	3.5	2.5	3.1
20%	2.1	2.9	2.6	6.8	8.6	7.0	2.9	2.4	2.3	3.1	2.3	2.8
30%	2.0	2.0	2.6	4.7	4.7	5.0	2.3	2.2	2.1	2.9	2.3	2.4
40%	1.9	2.0	2.6	3.0	3.3	3.3	2.1	2.1	2.1	2.8	2.3	2.2
50%	1.9	1.9	2.4	2.8	2.7	3.0	2.1	2.0	2.1	2.7	2.2	2.2
60%	1.8	1.7	2.2	2.6	2.1	2.8	2.0	1.9	2.0	2.5	2.2	2.2
70%	1.8	1.6	2.1	2.2	2.0	2.2	2.0	1.8	1.9	2.4	2.1	2.1
80%	1.7	1.6	1.9	2.0	1.9	1.9	1.9	1.7	1.9	2.2	2.1	2.1
90%	1.7	1.6	1.8	1.8	1.6	1.8	1.8	1.5	1.9	2.0	1.9	2.1
Long Term												
Full Simulation Period[a]	1.9	2.4	3.5	3.9	4.3	4.3	2.9	2.1	2.1	2.7	2.2	2.4
Water Year Types[b]												
Wet (31%)	1.9	3.9	7.3	6.1	8.2	7.8	5.4	2.8	2.5	3.0	2.1	3.1
Above Normal (25%)	2.3	1.6	2.6	7.5	7.5	6.1	2.6	2.0	1.9	3.1	2.2	2.2
Below Normal (6%)	1.8	1.6	1.7	3.0	3.3	3.0	2.2	1.9	2.1	1.8	1.7	2.0
Dry (13%)	1.8	2.0	2.2	2.1	2.2	3.0	2.2	2.2	2.2	2.9	2.4	2.2
Critical (25%)	2.0	1.9	2.1	2.4	1.8	2.0	1.9	1.7	1.9	2.3	2.1	2.2

Alternative 4 H3 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.1	**-0.4**	**-1.3**	**-1.6**	**-1.4**	**-1.4**	**-1.5**	**-0.4**	0.2	0.2	0.0	**-0.8**
20%	0.0	**-0.3**	**-0.3**	**-1.5**	**-1.5**	**-1.6**	**-0.3**	0.1	0.3	**-0.1**	**-0.1**	**-0.4**
30%	0.0	**-0.3**	**-0.2**	**-1.0**	**-1.6**	**-1.6**	**-0.3**	0.1	0.2	**-0.1**	**-0.1**	**-0.2**
40%	0.0	**-0.1**	0.1	**-0.5**	**-1.0**	**-1.4**	**-0.1**	0.2	0.2	**-0.1**	**-0.1**	0.3
50%	0.0	0.0	0.0	**-0.5**	**-0.6**	**-1.0**	0.1	0.3	0.2	**-0.1**	0.0	0.4
60%	**0.0**	0.1	0.1	**-0.1**	**-0.3**	**-0.5**	0.1	0.2	0.3	**-0.1**	0.1	0.4
70%	**0.0**	0.1	0.1	**-0.2**	**-0.1**	**-0.3**	0.1	0.2	0.3	**-0.1**	0.2	0.4
80%	0.0	0.1	0.2	**-0.1**	**-0.1**	**0.0**	0.1	0.2	0.4	**-0.1**	0.3	0.5
90%	0.2	0.2	0.3	**0.0**	0.1	0.1	0.2	0.2	0.4	0.0	0.2	0.4
Long Term												
Full Simulation Period[a]	0.1	**-0.1**	**-0.2**	**-0.6**	**-0.7**	**-0.8**	**-0.2**	0.0	0.2	0.0	0.1	0.1
Water Year Types[b]												
Wet (31%)	**-0.3**	**-0.5**	**-1.0**	**-1.4**	**-1.4**	**-1.4**	**-0.8**	**-0.4**	**-0.1**	0.1	**-0.3**	**-0.7**
Above Normal (25%)	0.6	**-0.1**	**-0.1**	**-1.5**	**-1.5**	**-1.5**	**-0.9**	**-0.1**	0.1	0.1	**-0.1**	**-0.4**
Below Normal (6%)	**-0.3**	**-0.5**	**-0.2**	**-0.5**	**-1.0**	**-0.9**	0.0	0.1	0.0	**-0.6**	**-0.3**	0.1
Dry (13%)	**0.0**	**-0.2**	0.0	**-0.2**	**-0.4**	**-0.7**	0.1	0.3	0.4	0.0	0.2	0.5
Critical (25%)	0.2	0.2	0.2	**-0.1**	**0.0**	**-0.1**	0.1	0.2	0.4	0.0	0.4	0.5

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-30-2-20. Sacramento River d/s of North Delta Diversion, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.2	4.2	9.4	9.4	10.8	10.0	6.8	3.0	2.2	3.3	2.5	3.9
20%	2.1	3.2	2.9	8.3	10.1	8.6	3.2	2.2	2.0	3.2	2.4	3.2
30%	1.9	2.4	2.8	5.7	6.3	6.6	2.5	2.1	1.9	3.1	2.4	2.6
40%	1.9	2.1	2.5	3.5	4.2	4.7	2.2	1.9	1.8	2.9	2.3	1.9
50%	1.8	1.9	2.3	3.3	3.3	4.0	2.0	1.7	1.8	2.8	2.1	1.9
60%	1.8	1.6	2.1	2.7	2.3	3.3	1.9	1.7	1.7	2.5	2.0	1.8
70%	1.8	1.6	1.9	2.4	2.0	2.5	1.9	1.6	1.7	2.4	1.9	1.7
80%	1.7	1.5	1.7	2.1	2.0	1.9	1.8	1.5	1.5	2.3	1.8	1.7
90%	1.5	1.4	1.5	1.8	1.6	1.7	1.6	1.3	1.5	2.0	1.7	1.6
Long Term												
Full Simulation Period[a]	1.9	2.5	3.6	4.5	5.0	5.1	3.2	2.1	1.9	2.7	2.1	2.3
Water Year Types[b]												
Wet (31%)	2.2	4.4	8.3	7.5	9.6	9.2	6.1	3.2	2.6	2.9	2.4	3.8
Above Normal (25%)	1.7	1.7	2.7	9.0	9.0	7.7	3.5	2.1	1.9	3.1	2.4	2.6
Below Normal (6%)	2.1	2.1	1.9	3.5	4.2	3.9	2.2	1.8	2.0	2.3	2.1	1.9
Dry (13%)	1.8	2.1	2.2	2.3	2.6	3.7	2.1	1.9	1.8	2.8	2.2	1.8
Critical (25%)	1.8	1.7	1.8	2.5	1.8	2.2	1.7	1.4	1.5	2.3	1.7	1.7

Alternative 4 H4 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.3	3.6	8.1	7.9	9.5	8.6	5.8	2.7	2.4	2.9	2.4	3.1
20%	2.2	2.9	2.6	6.8	8.6	7.0	3.4	2.4	2.2	2.7	2.4	3.0
30%	2.1	2.0	2.6	4.6	4.8	5.4	3.0	2.4	2.1	2.6	2.3	2.3
40%	2.0	2.0	2.5	2.8	3.3	3.2	2.5	2.3	2.0	2.5	2.3	2.3
50%	2.0	1.9	2.2	2.6	2.7	3.0	2.2	2.0	2.0	2.4	2.2	2.2
60%	1.9	1.7	2.1	2.3	2.0	2.8	2.1	1.9	2.0	2.3	2.2	2.2
70%	1.9	1.7	1.9	2.0	2.0	2.2	2.0	1.8	1.9	2.2	2.1	2.2
80%	1.7	1.6	1.9	2.0	1.9	1.9	1.9	1.7	1.9	1.9	2.1	2.1
90%	1.7	1.5	1.7	1.7	1.6	1.8	1.8	1.5	1.8	1.9	2.0	2.1
Long Term												
Full Simulation Period[a]	2.0	2.4	3.4	3.9	4.3	4.3	3.2	2.2	2.1	2.4	2.2	2.4
Water Year Types[b]												
Wet (31%)	2.1	3.9	7.3	6.1	8.2	7.8	5.8	2.9	2.5	2.6	2.2	3.1
Above Normal (25%)	2.3	1.6	2.6	7.7	7.6	6.2	3.5	2.4	1.9	2.3	2.1	2.2
Below Normal (6%)	2.0	1.6	1.8	3.0	3.3	3.0	2.2	1.9	2.0	1.8	2.0	1.9
Dry (13%)	1.8	1.9	2.1	2.1	2.2	3.1	2.2	2.1	2.2	2.6	2.4	2.1
Critical (25%)	2.0	1.9	2.0	2.1	1.8	2.0	1.9	1.7	1.9	2.3	2.2	2.2

Alternative 4 H4 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.2	**-0.6**	**-1.3**	**-1.6**	**-1.4**	**-1.4**	**-1.0**	**-0.2**	0.2	**-0.4**	**0.0**	**-0.8**
20%	0.2	**-0.3**	**-0.3**	**-1.5**	**-1.5**	**-1.6**	0.2	0.2	0.2	**-0.5**	**-0.1**	**-0.2**
30%	0.2	**-0.3**	**-0.2**	**-1.2**	**-1.5**	**-1.2**	0.5	0.3	0.2	**-0.4**	**0.0**	**-0.3**
40%	0.1	**-0.1**	0.1	**-0.7**	**-0.9**	**-1.4**	0.3	0.4	0.2	**-0.3**	**0.0**	0.3
50%	0.1	0.0	**-0.2**	**-0.6**	**-0.6**	**-1.0**	0.2	0.3	0.2	**-0.4**	0.1	0.3
60%	0.1	0.1	**0.0**	**-0.4**	**-0.3**	**-0.5**	0.2	0.2	0.3	**-0.2**	0.1	0.4
70%	0.1	0.1	0.0	**-0.4**	**-0.1**	**-0.3**	0.1	0.2	0.3	**-0.3**	0.2	0.5
80%	0.1	0.1	0.2	**-0.1**	**-0.1**	**0.0**	0.1	0.2	0.4	**-0.4**	0.3	0.4
90%	0.2	0.2	0.2	**-0.1**	0.0	0.1	0.2	0.2	0.4	**-0.1**	0.3	0.4
Long Term												
Full Simulation Period[a]	0.1	**-0.1**	**-0.2**	**-0.7**	**-0.7**	**-0.8**	**0.0**	0.1	0.2	**-0.3**	0.1	0.0
Water Year Types[b]												
Wet (31%)	**-0.1**	**-0.5**	**-0.9**	**-1.4**	**-1.4**	**-1.4**	**-0.3**	**-0.3**	**-0.2**	**-0.4**	**-0.2**	**-0.7**
Above Normal (25%)	0.6	**-0.1**	**-0.1**	**-1.3**	**-1.4**	**-1.5**	0.0	0.3	0.0	**-0.8**	**-0.3**	**-0.4**
Below Normal (6%)	**-0.1**	**-0.5**	**-0.1**	**-0.4**	**-0.9**	**-0.9**	0.0	0.2	0.0	**-0.6**	**-0.1**	**-0.1**
Dry (13%)	**0.0**	**-0.2**	**-0.1**	**-0.2**	**-0.4**	**-0.5**	0.1	0.2	0.4	**-0.2**	0.2	0.4
Critical (25%)	0.3	0.2	0.1	**-0.4**	**0.0**	**-0.1**	0.1	0.2	0.4	0.1	0.5	0.5

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-30-2-21. Sacramento River d/s of North Delta Diversion, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.2	4.2	9.4	9.4	10.8	10.0	6.8	3.0	2.2	3.3	2.5	3.9
20%	2.1	3.2	2.9	8.3	10.1	8.6	3.2	2.2	2.0	3.2	2.4	3.2
30%	1.9	2.4	2.8	5.7	6.3	6.6	2.5	2.1	1.9	3.1	2.4	2.6
40%	1.9	2.1	2.5	3.5	4.2	4.7	2.2	1.9	1.8	2.9	2.3	1.9
50%	1.8	1.9	2.3	3.3	3.3	4.0	2.0	1.7	1.8	2.8	2.1	1.9
60%	1.8	1.6	2.1	2.7	2.3	3.3	1.9	1.7	1.7	2.5	2.0	1.8
70%	1.8	1.6	1.9	2.4	2.0	2.5	1.9	1.6	1.7	2.4	1.9	1.7
80%	1.7	1.5	1.7	2.1	2.0	1.9	1.8	1.5	1.5	2.3	1.8	1.7
90%	1.5	1.4	1.5	1.8	1.6	1.7	1.6	1.3	1.5	2.0	1.7	1.6
Long Term												
Full Simulation Period[a]	1.9	2.5	3.6	4.5	5.0	5.1	3.2	2.1	1.9	2.7	2.1	2.3
Water Year Types[b]												
Wet (31%)	2.2	4.4	8.3	7.5	9.6	9.2	6.1	3.2	2.6	2.9	2.4	3.8
Above Normal (25%)	1.7	1.7	2.7	9.0	9.0	7.7	3.5	2.1	1.9	3.1	2.4	2.6
Below Normal (6%)	2.1	2.1	1.9	3.5	4.2	3.9	2.2	1.8	2.0	2.3	2.1	1.9
Dry (13%)	1.8	2.1	2.2	2.3	2.6	3.7	2.1	1.9	1.8	2.8	2.2	1.8
Critical (25%)	1.8	1.7	1.8	2.5	1.8	2.2	1.7	1.4	1.5	2.3	1.7	1.7

Alternative 5 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.5	4.1	8.8	8.4	10.1	9.3	6.2	2.9	2.6	3.3	2.6	3.5
20%	2.3	3.0	2.8	7.4	9.3	7.7	3.0	2.3	2.4	3.1	2.5	3.2
30%	2.2	2.2	2.8	5.0	5.4	5.6	2.4	2.1	2.3	2.9	2.5	2.5
40%	2.1	2.0	2.6	3.2	3.6	3.7	2.2	1.9	2.2	2.8	2.3	2.2
50%	2.0	2.0	2.4	3.0	3.0	3.5	2.2	1.9	2.2	2.7	2.2	2.2
60%	2.0	1.9	2.4	2.6	2.3	2.9	2.1	1.9	2.1	2.6	2.2	2.1
70%	1.9	1.9	2.1	2.4	2.2	2.4	1.9	1.8	2.0	2.5	2.1	2.1
80%	1.9	1.8	2.0	2.1	2.1	2.0	1.9	1.7	1.9	2.5	2.0	2.0
90%	1.8	1.7	1.8	1.9	1.7	1.9	1.8	1.5	1.9	2.0	2.0	2.0
Long Term												
Full Simulation Period[a]	2.1	2.6	3.6	4.2	4.7	4.7	3.1	2.2	2.3	2.7	2.3	2.5
Water Year Types[b]												
Wet (31%)	2.2	4.4	7.8	6.7	8.9	8.4	5.8	3.1	2.9	2.9	2.5	3.5
Above Normal (25%)	2.0	1.9	2.7	8.2	8.2	6.7	3.0	2.0	2.3	2.9	2.3	2.5
Below Normal (6%)	2.0	1.9	2.1	3.2	3.6	3.4	2.2	1.9	2.4	2.5	2.0	1.9
Dry (13%)	2.0	2.1	2.3	2.3	2.5	3.3	2.2	2.1	2.2	2.8	2.4	2.0
Critical (25%)	2.2	1.9	2.1	2.4	2.0	2.2	1.9	1.6	1.9	2.4	2.1	2.1

Alternative 5 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.3	**-0.1**	**-0.6**	**-1.0**	**-0.7**	**-0.7**	**-0.6**	**-0.1**	0.4	0.0	0.1	**-0.4**
20%	0.3	**-0.1**	**-0.1**	**-0.9**	**-0.8**	**-0.9**	**-0.2**	0.0	0.3	**-0.2**	0.1	**0.0**
30%	0.3	**-0.1**	**0.0**	**-0.7**	**-0.9**	**-0.9**	**-0.2**	0.1	0.4	**-0.1**	0.1	**-0.1**
40%	0.2	**-0.1**	0.2	**-0.3**	**-0.6**	**-1.0**	0.0	**0.0**	0.4	**0.0**	**-0.1**	0.3
50%	0.2	0.1	0.1	**-0.3**	**-0.3**	**-0.5**	0.2	0.1	0.4	**0.0**	0.1	0.3
60%	0.2	0.3	0.3	**-0.1**	**-0.1**	**-0.4**	0.2	0.2	0.4	0.1	0.1	0.3
70%	0.2	0.3	0.2	**0.0**	0.1	**-0.1**	0.1	0.2	0.4	0.1	0.1	0.4
80%	0.2	0.3	0.3	0.1	0.1	0.1	0.1	0.2	0.4	0.1	0.3	0.4
90%	0.4	0.3	0.3	0.1	0.1	0.2	0.2	0.2	0.4	0.1	0.3	0.3
Long Term												
Full Simulation Period[a]	0.2	0.1	0.0	**-0.3**	**-0.3**	**-0.4**	**-0.1**	0.1	0.3	0.0	0.2	0.1
Water Year Types[b]												
Wet (31%)	0.1	**0.0**	**-0.5**	**-0.8**	**-0.7**	**-0.7**	**-0.3**	**-0.1**	0.3	0.0	0.1	**-0.3**
Above Normal (25%)	0.3	0.2	0.0	**-0.8**	**-0.8**	**-1.0**	**-0.5**	**-0.1**	0.4	**-0.1**	**-0.1**	**-0.1**
Below Normal (6%)	**0.0**	**-0.2**	0.2	**-0.2**	**-0.6**	**-0.5**	0.0	0.1	0.3	0.2	**0.0**	**0.0**
Dry (13%)	0.1	**0.0**	0.1	**0.0**	**-0.1**	**-0.4**	0.1	0.2	0.4	**0.0**	0.2	0.3
Critical (25%)	0.5	0.2	0.2	**0.0**	0.1	0.0	0.2	0.2	0.4	0.2	0.4	0.5

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-30-2-22. Sacramento River d/s of North Delta Diversion, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.2	4.2	9.4	9.4	10.8	10.0	6.8	3.0	2.2	3.3	2.5	3.9
20%	2.1	3.2	2.9	8.3	10.1	8.6	3.2	2.2	2.0	3.2	2.4	3.2
30%	1.9	2.4	2.8	5.7	6.3	6.6	2.5	2.1	1.9	3.1	2.4	2.6
40%	1.9	2.1	2.5	3.5	4.2	4.7	2.2	1.9	1.8	2.9	2.3	1.9
50%	1.8	1.9	2.3	3.3	3.3	4.0	2.0	1.7	1.8	2.8	2.1	1.9
60%	1.8	1.6	2.1	2.7	2.3	3.3	1.9	1.7	1.7	2.5	2.0	1.8
70%	1.8	1.6	1.9	2.4	2.0	2.5	1.9	1.6	1.7	2.4	1.9	1.7
80%	1.7	1.5	1.7	2.1	2.0	1.9	1.8	1.5	1.5	2.3	1.8	1.7
90%	1.5	1.4	1.5	1.8	1.6	1.7	1.6	1.3	1.5	2.0	1.7	1.6
Long Term Full Simulation Period[a]	1.9	2.5	3.6	4.5	5.0	5.1	3.2	2.1	1.9	2.7	2.1	2.3
Water Year Types[b]												
Wet (31%)	2.2	4.4	8.3	7.5	9.6	9.2	6.1	3.2	2.6	2.9	2.4	3.8
Above Normal (25%)	1.7	1.7	2.7	9.0	9.0	7.7	3.5	2.1	1.9	3.1	2.4	2.6
Below Normal (6%)	2.1	2.1	1.9	3.5	4.2	3.9	2.2	1.8	2.0	2.3	2.1	1.9
Dry (13%)	1.8	2.1	2.2	2.3	2.6	3.7	2.1	1.9	1.8	2.8	2.2	1.8
Critical (25%)	1.8	1.7	1.8	2.5	1.8	2.2	1.7	1.4	1.5	2.3	1.7	1.7

Alternative 6A,6B,6C (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.8	3.5	7.9	7.1	8.8	8.0	5.0	2.3	2.2	2.1	2.0	2.3
20%	1.7	2.7	2.6	6.2	8.0	6.5	2.8	2.1	2.2	2.0	2.0	2.2
30%	1.7	2.0	2.5	4.3	4.4	4.6	2.2	2.1	2.1	1.8	1.9	1.9
40%	1.6	1.7	2.2	2.7	3.2	3.0	2.1	2.1	2.0	1.8	1.9	1.8
50%	1.6	1.6	2.1	2.5	2.6	2.8	2.0	1.9	2.0	1.7	1.8	1.8
60%	1.5	1.6	2.0	2.2	2.4	2.6	2.0	1.8	2.0	1.7	1.7	1.7
70%	1.5	1.6	1.8	2.0	1.9	2.2	1.9	1.8	1.9	1.6	1.7	1.7
80%	1.4	1.4	1.7	1.8	1.9	1.8	1.9	1.7	1.9	1.6	1.6	1.6
90%	1.4	1.4	1.6	1.7	1.6	1.7	1.8	1.5	1.9	1.6	1.6	1.6
Long Term Full Simulation Period[a]	1.6	2.1	3.3	3.6	4.1	4.0	2.8	2.0	2.1	1.8	1.8	1.9
Water Year Types[b]												
Wet (31%)	1.7	3.6	7.1	5.6	7.7	7.3	5.0	2.6	2.3	2.1	1.9	2.4
Above Normal (25%)	1.6	1.4	2.4	7.0	6.9	5.6	2.5	2.1	2.0	1.7	1.7	1.6
Below Normal (6%)	1.6	1.4	1.7	2.9	3.2	2.7	2.1	1.9	2.2	1.5	1.5	1.5
Dry (13%)	1.5	1.8	2.0	2.0	2.1	2.9	2.2	2.0	2.1	1.6	1.7	1.7
Critical (25%)	1.6	1.7	1.9	1.9	1.9	1.9	1.8	1.6	1.9	1.8	1.9	1.8

Alternative 6A,6B,6C (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	**-0.4**	**-0.6**	**-1.5**	**-2.3**	**-2.0**	**-2.0**	**-1.8**	**-0.7**	0.0	**-1.2**	**-0.5**	**-1.6**
20%	**-0.3**	**-0.5**	**-0.3**	**-2.0**	**-2.1**	**-2.1**	**-0.5**	**-0.1**	0.1	**-1.3**	**-0.5**	**-1.0**
30%	**-0.2**	**-0.4**	**-0.3**	**-1.4**	**-1.9**	**-1.9**	**-0.3**	0.0	0.2	**-1.3**	**-0.4**	**-0.7**
40%	**-0.3**	**-0.4**	**-0.2**	**-0.8**	**-1.1**	**-1.6**	**0.0**	0.1	0.2	**-1.1**	**-0.5**	**-0.1**
50%	**-0.3**	**-0.3**	**-0.2**	**-0.7**	**-0.7**	**-1.2**	0.1	0.2	0.2	**-1.0**	**-0.4**	**-0.1**
60%	**-0.3**	**-0.1**	**-0.1**	**-0.5**	0.1	**-0.7**	0.1	0.1	0.2	**-0.8**	**-0.3**	**-0.1**
70%	**-0.3**	**0.0**	**-0.1**	**-0.4**	**-0.1**	**-0.4**	0.1	0.2	0.3	**-0.8**	**-0.2**	**0.0**
80%	**-0.3**	**0.0**	0.0	**-0.3**	**-0.1**	**-0.1**	0.1	0.2	0.4	**-0.7**	**-0.2**	**0.0**
90%	**-0.1**	0.0	0.1	**-0.1**	0.0	**-0.1**	0.2	0.2	0.4	**-0.4**	**-0.1**	**-0.1**
Long Term Full Simulation Period[a]	**-0.3**	**-0.4**	**-0.4**	**-1.0**	**-0.9**	**-1.1**	**-0.4**	**-0.1**	0.1	**-0.9**	**-0.3**	**-0.5**
Water Year Types[b]												
Wet (31%)	**-0.5**	**-0.8**	**-1.2**	**-1.8**	**-1.9**	**-1.9**	**-1.1**	**-0.6**	**-0.3**	**-0.8**	**-0.5**	**-1.4**
Above Normal (25%)	**-0.1**	**-0.3**	**-0.3**	**-1.9**	**-2.1**	**-2.1**	**-1.0**	**0.0**	0.1	**-1.3**	**-0.7**	**-1.0**
Below Normal (6%)	**-0.5**	**-0.6**	**-0.2**	**-0.6**	**-1.1**	**-1.1**	**0.0**	0.1	0.2	**-0.8**	**-0.5**	**-0.5**
Dry (13%)	**-0.3**	**-0.3**	**-0.1**	**-0.3**	**-0.5**	**-0.8**	0.1	0.0	0.3	**-1.2**	**-0.5**	**0.0**
Critical (25%)	**-0.2**	**0.0**	0.0	**-0.5**	0.1	**-0.3**	0.1	0.2	0.3	**-0.5**	0.1	0.2

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-30-2-23. Sacramento River d/s of North Delta Diversion, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.2	4.2	9.4	9.4	10.8	10.0	6.8	3.0	2.2	3.3	2.5	3.9
20%	2.1	3.2	2.9	8.3	10.1	8.6	3.2	2.2	2.0	3.2	2.4	3.2
30%	1.9	2.4	2.8	5.7	6.3	6.6	2.5	2.1	1.9	3.1	2.4	2.6
40%	1.9	2.1	2.5	3.5	4.2	4.7	2.2	1.9	1.8	2.9	2.3	1.9
50%	1.8	1.9	2.3	3.3	3.3	4.0	2.0	1.7	1.8	2.8	2.1	1.9
60%	1.8	1.6	2.1	2.7	2.3	3.3	1.9	1.7	1.7	2.5	2.0	1.8
70%	1.8	1.6	1.9	2.4	2.0	2.5	1.9	1.6	1.7	2.4	1.9	1.7
80%	1.7	1.5	1.7	2.1	2.0	1.9	1.8	1.5	1.5	2.3	1.8	1.7
90%	1.5	1.4	1.5	1.8	1.6	1.7	1.6	1.3	1.5	2.0	1.7	1.6
Long Term												
Full Simulation Period[a]	1.9	2.5	3.6	4.5	5.0	5.1	3.2	2.1	1.9	2.7	2.1	2.3
Water Year Types[b]												
Wet (31%)	2.2	4.4	8.3	7.5	9.6	9.2	6.1	3.2	2.6	2.9	2.4	3.8
Above Normal (25%)	1.7	1.7	2.7	9.0	9.0	7.7	3.5	2.1	1.9	3.1	2.4	2.6
Below Normal (6%)	2.1	2.1	1.9	3.5	4.2	3.9	2.2	1.8	2.0	2.3	2.1	1.9
Dry (13%)	1.8	2.1	2.2	2.3	2.6	3.7	2.1	1.9	1.8	2.8	2.2	1.8
Critical (25%)	1.8	1.7	1.8	2.5	1.8	2.2	1.7	1.4	1.5	2.3	1.7	1.7

Alternative 7 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.0	3.7	8.4	7.6	9.4	8.6	5.5	2.6	2.2	3.2	2.6	3.1
20%	1.8	2.8	2.6	6.8	8.5	6.9	2.9	2.1	2.2	2.9	2.5	2.9
30%	1.8	2.0	2.6	4.5	4.7	4.8	2.3	2.1	2.1	2.9	2.4	2.2
40%	1.7	1.8	2.3	2.8	3.2	3.2	2.1	2.0	2.1	2.9	2.4	2.2
50%	1.7	1.7	2.2	2.7	2.8	3.0	2.1	1.9	2.1	2.7	2.4	2.1
60%	1.7	1.6	2.0	2.4	2.6	2.8	2.0	1.8	2.1	2.6	2.3	2.1
70%	1.6	1.6	1.9	2.1	2.0	2.4	1.9	1.8	2.0	2.5	2.3	2.1
80%	1.6	1.6	1.8	1.9	2.0	1.9	1.9	1.7	2.0	2.3	2.2	2.1
90%	1.6	1.5	1.7	1.7	1.6	1.7	1.9	1.6	1.9	2.2	2.2	2.0
Long Term												
Full Simulation Period[a]	1.7	2.3	3.4	3.8	4.4	4.3	3.0	2.1	2.2	2.7	2.4	2.3
Water Year Types[b]												
Wet (31%)	1.9	3.9	7.5	6.0	8.2	7.7	5.4	2.8	2.5	3.0	2.5	3.1
Above Normal (25%)	1.7	1.7	2.5	7.6	7.4	5.9	2.6	2.0	1.9	2.8	2.2	2.2
Below Normal (6%)	1.7	1.6	1.7	3.0	3.2	3.1	2.3	1.9	2.2	2.6	2.4	2.2
Dry (13%)	1.7	1.9	2.1	2.1	2.3	3.1	2.2	2.0	2.1	3.0	2.5	2.0
Critical (25%)	1.8	1.7	1.9	2.1	2.0	2.0	1.8	1.7	2.0	2.3	2.3	2.1

Alternative 7 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	**-0.2**	**-0.4**	**-1.0**	**-1.8**	**-1.4**	**-1.4**	**-1.3**	**-0.4**	0.0	**-0.1**	0.2	**-0.8**
20%	**-0.3**	**-0.3**	**-0.3**	**-1.4**	**-1.6**	**-1.7**	**-0.3**	**-0.1**	0.2	**-0.3**	0.0	**-0.3**
30%	**-0.2**	**-0.3**	**-0.2**	**-1.2**	**-1.6**	**-1.7**	**-0.3**	0.0	0.2	**-0.2**	0.0	**-0.4**
40%	**-0.2**	**-0.3**	**-0.1**	**-0.6**	**-1.0**	**-1.5**	**0.0**	0.1	0.3	**0.0**	0.1	0.3
50%	**-0.1**	**-0.1**	**-0.1**	**-0.6**	**-0.5**	**-1.0**	0.1	0.1	0.3	**-0.1**	0.2	0.3
60%	**-0.1**	**0.0**	**-0.1**	**-0.3**	0.3	**-0.5**	0.1	0.1	0.3	0.1	0.3	0.3
70%	**-0.1**	0.0	**0.0**	**-0.4**	0.0	**-0.2**	0.1	0.2	0.4	0.1	0.4	0.4
80%	**-0.1**	0.1	0.1	**-0.2**	0.0	0.0	0.1	0.3	0.5	**0.0**	0.4	0.4
90%	0.1	0.1	0.2	**0.0**	0.1	0.0	0.2	0.3	0.4	0.2	0.5	0.4
Long Term												
Full Simulation Period[a]	**-0.1**	**-0.2**	**-0.2**	**-0.7**	**-0.7**	**-0.8**	**-0.2**	**0.0**	0.2	0.0	0.3	**0.0**
Water Year Types[b]												
Wet (31%)	**-0.3**	**-0.5**	**-0.8**	**-1.5**	**-1.4**	**-1.4**	**-0.7**	**-0.4**	**-0.2**	0.0	0.1	**-0.7**
Above Normal (25%)	0.0	**0.0**	**-0.2**	**-1.3**	**-1.6**	**-1.8**	**-0.8**	**-0.1**	0.1	**-0.3**	**-0.2**	**-0.5**
Below Normal (6%)	**-0.4**	**-0.5**	**-0.2**	**-0.4**	**-1.0**	**-0.7**	0.1	0.1	0.2	0.3	0.3	0.3
Dry (13%)	**-0.1**	**-0.2**	**-0.1**	**-0.2**	**-0.3**	**-0.6**	0.1	0.1	0.3	0.1	0.2	0.2
Critical (25%)	**0.0**	0.0	0.1	**-0.4**	0.1	**-0.2**	0.1	0.3	0.5	0.0	0.5	0.4

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-30-2-24. Sacramento River d/s of North Delta Diversion, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.2	4.2	9.4	9.4	10.8	10.0	6.8	3.0	2.2	3.3	2.5	3.9
20%	2.1	3.2	2.9	8.3	10.1	8.6	3.2	2.2	2.0	3.2	2.4	3.2
30%	1.9	2.4	2.8	5.7	6.3	6.6	2.5	2.1	1.9	3.1	2.4	2.6
40%	1.9	2.1	2.5	3.5	4.2	4.7	2.2	1.9	1.8	2.9	2.3	1.9
50%	1.8	1.9	2.3	3.3	3.3	4.0	2.0	1.7	1.8	2.8	2.1	1.9
60%	1.8	1.6	2.1	2.7	2.3	3.3	1.9	1.7	1.7	2.5	2.0	1.8
70%	1.8	1.6	1.9	2.4	2.0	2.5	1.9	1.6	1.7	2.4	1.9	1.7
80%	1.7	1.5	1.7	2.1	2.0	1.9	1.8	1.5	1.5	2.3	1.8	1.7
90%	1.5	1.4	1.5	1.8	1.6	1.7	1.6	1.3	1.5	2.0	1.7	1.6
Long Term												
Full Simulation Period[a]	1.9	2.5	3.6	4.5	5.0	5.1	3.2	2.1	1.9	2.7	2.1	2.3
Water Year Types[b]												
Wet (31%)	2.2	4.4	8.3	7.5	9.6	9.2	6.1	3.2	2.6	2.9	2.4	3.8
Above Normal (25%)	1.7	1.7	2.7	9.0	9.0	7.7	3.5	2.1	1.9	3.1	2.4	2.6
Below Normal (6%)	2.1	2.1	1.9	3.5	4.2	3.9	2.2	1.8	2.0	2.3	2.1	1.9
Dry (13%)	1.8	2.1	2.2	2.3	2.6	3.7	2.1	1.9	1.8	2.8	2.2	1.8
Critical (25%)	1.8	1.7	1.8	2.5	1.8	2.2	1.7	1.4	1.5	2.3	1.7	1.7

Alternative 8 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.0	4.0	8.5	7.7	9.3	8.6	5.8	3.0	2.2	2.6	2.4	3.1
20%	2.0	2.9	2.7	6.8	8.5	6.8	3.4	2.3	2.1	2.4	2.4	2.9
30%	1.9	2.1	2.6	4.6	5.2	5.4	2.5	2.2	2.1	2.3	2.4	2.3
40%	1.9	1.9	2.3	3.2	3.2	3.5	2.5	2.0	2.1	2.3	2.3	2.1
50%	1.8	1.9	2.2	2.9	3.0	3.3	2.4	2.0	2.1	2.3	2.3	2.1
60%	1.8	1.7	2.0	2.5	2.8	2.9	2.3	2.0	2.1	2.2	2.3	2.1
70%	1.7	1.7	1.9	2.1	2.2	2.6	2.2	1.9	2.1	2.2	2.2	2.0
80%	1.6	1.6	1.8	1.8	2.0	2.2	2.1	1.9	2.0	2.1	2.2	2.0
90%	1.6	1.6	1.7	1.8	1.7	2.0	2.0	1.7	1.9	2.1	2.1	2.0
Long Term												
Full Simulation Period[a]	1.8	2.4	3.4	3.9	4.5	4.5	3.2	2.3	2.2	2.3	2.3	2.3
Water Year Types[b]												
Wet (31%)	1.9	4.1	7.5	6.2	8.1	7.7	5.5	3.2	2.6	2.5	2.4	3.1
Above Normal (25%)	1.7	1.6	2.5	7.8	7.5	6.0	3.0	2.2	1.9	2.2	2.3	2.3
Below Normal (6%)	1.9	1.7	1.7	3.2	4.0	3.3	2.5	2.3	2.1	2.1	2.2	2.0
Dry (13%)	1.8	2.0	2.1	2.2	2.5	3.5	2.6	2.1	2.1	2.3	2.3	2.0
Critical (25%)	1.8	1.9	1.9	2.1	2.0	2.2	2.0	1.8	2.0	2.2	2.2	2.1

Alternative 8 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	**-0.1**	**-0.2**	**-1.0**	**-1.7**	**-1.5**	**-1.4**	**-1.0**	**0.0**	**0.0**	**-0.7**	**0.0**	**-0.8**
20%	**-0.1**	**-0.3**	**-0.3**	**-1.5**	**-1.6**	**-1.8**	0.2	0.1	0.1	**-0.9**	**-0.1**	**-0.3**
30%	**0.0**	**-0.3**	**-0.2**	**-1.1**	**-1.1**	**-1.2**	**0.0**	0.1	0.2	**-0.7**	**0.0**	**-0.3**
40%	**-0.1**	**-0.2**	**-0.1**	**-0.2**	**-1.0**	**-1.2**	0.3	0.1	0.3	**-0.6**	**0.0**	0.2
50%	**0.0**	**0.0**	**-0.1**	**-0.3**	**-0.3**	**-0.7**	0.4	0.3	0.3	**-0.5**	0.2	0.2
60%	**0.0**	0.1	**-0.1**	**-0.2**	0.4	**-0.4**	0.4	0.3	0.4	**-0.3**	0.2	0.2
70%	**0.0**	0.1	**0.0**	**-0.3**	0.2	0.0	0.3	0.3	0.4	**-0.2**	0.2	0.3
80%	**0.0**	0.1	0.1	**-0.2**	0.0	0.3	0.3	0.4	0.5	**-0.2**	0.4	0.3
90%	0.2	0.2	0.2	0.0	0.1	0.3	0.4	0.4	0.4	0.1	0.4	0.3
Long Term												
Full Simulation Period[a]	**-0.1**	**-0.1**	**-0.2**	**-0.6**	**-0.5**	**-0.6**	0.0	0.2	0.2	**-0.4**	0.2	**0.0**
Water Year Types[b]												
Wet (31%)	**-0.3**	**-0.3**	**-0.8**	**-1.3**	**-1.5**	**-1.4**	**-0.6**	0.0	**0.0**	**-0.4**	0.1	**-0.7**
Above Normal (25%)	0.1	**-0.1**	**-0.2**	**-1.2**	**-1.5**	**-1.7**	**-0.5**	0.1	0.1	**-0.8**	**0.0**	**-0.3**
Below Normal (6%)	**-0.2**	**-0.4**	**-0.2**	**-0.2**	**-0.3**	**-0.6**	0.3	0.5	0.1	**-0.2**	0.1	0.1
Dry (13%)	**0.0**	**-0.1**	**-0.1**	**-0.1**	**-0.1**	**-0.2**	0.5	0.2	0.3	**-0.6**	0.0	0.2
Critical (25%)	0.1	0.2	0.1	**-0.3**	0.2	0.1	0.2	0.4	0.5	**0.0**	0.5	0.4

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-30-2-25. Sacramento River d/s of North Delta Diversion, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.2	4.2	9.4	9.4	10.8	10.0	6.8	3.0	2.2	3.3	2.5	3.9
20%	2.1	3.2	2.9	8.3	10.1	8.6	3.2	2.2	2.0	3.2	2.4	3.2
30%	1.9	2.4	2.8	5.7	6.3	6.6	2.5	2.1	1.9	3.1	2.4	2.6
40%	1.9	2.1	2.5	3.5	4.2	4.7	2.2	1.9	1.8	2.9	2.3	1.9
50%	1.8	1.9	2.3	3.3	3.3	4.0	2.0	1.7	1.8	2.8	2.1	1.9
60%	1.8	1.6	2.1	2.7	2.3	3.3	1.9	1.7	1.7	2.5	2.0	1.8
70%	1.8	1.6	1.9	2.4	2.0	2.5	1.9	1.6	1.7	2.4	1.9	1.7
80%	1.7	1.5	1.7	2.1	2.0	1.9	1.8	1.5	1.5	2.3	1.8	1.7
90%	1.5	1.4	1.5	1.8	1.6	1.7	1.6	1.3	1.5	2.0	1.7	1.6
Long Term Full Simulation Period[a]	1.9	2.5	3.6	4.5	5.0	5.1	3.2	2.1	1.9	2.7	2.1	2.3
Water Year Types[b]												
Wet (31%)	2.2	4.4	8.3	7.5	9.6	9.2	6.1	3.2	2.6	2.9	2.4	3.8
Above Normal (25%)	1.7	1.7	2.7	9.0	9.0	7.7	3.5	2.1	1.9	3.1	2.4	2.6
Below Normal (6%)	2.1	2.1	1.9	3.5	4.2	3.9	2.2	1.8	2.0	2.3	2.1	1.9
Dry (13%)	1.8	2.1	2.2	2.3	2.6	3.7	2.1	1.9	1.8	2.8	2.2	1.8
Critical (25%)	1.8	1.7	1.8	2.5	1.8	2.2	1.7	1.4	1.5	2.3	1.7	1.7

Alternative 9 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.5	4.3	9.3	9.1	10.8	10.0	6.5	3.2	2.7	3.1	2.7	4.2
20%	2.4	3.3	2.9	8.0	9.9	8.3	3.1	2.5	2.3	3.0	2.7	3.6
30%	2.3	2.6	2.8	5.3	5.9	6.0	2.6	2.4	2.3	3.0	2.7	2.9
40%	2.2	2.2	2.6	3.3	4.1	4.1	2.4	2.3	2.3	3.0	2.6	2.3
50%	2.0	2.1	2.5	3.2	3.2	3.8	2.3	2.2	2.3	2.9	2.6	2.2
60%	2.0	1.9	2.4	2.7	2.4	3.1	2.2	2.1	2.2	2.7	2.4	2.2
70%	2.0	1.9	2.2	2.3	2.2	2.6	2.1	2.0	2.1	2.6	2.3	2.1
80%	1.9	1.8	2.2	2.1	2.2	2.1	2.1	1.9	2.1	2.3	2.3	2.0
90%	1.8	1.7	2.0	2.0	1.9	2.0	2.0	1.7	2.0	2.3	2.1	2.0
Long Term Full Simulation Period[a]	2.1	2.7	3.8	4.5	5.0	5.0	3.3	2.5	2.4	2.8	2.5	2.7
Water Year Types[b]												
Wet (31%)	2.5	4.6	8.3	7.2	9.5	9.0	6.1	3.4	3.0	3.0	2.7	4.1
Above Normal (25%)	1.9	2.0	2.7	8.9	8.8	7.2	3.3	2.3	2.2	3.1	2.7	2.9
Below Normal (6%)	2.3	2.4	2.2	3.3	4.1	3.7	2.4	2.0	2.3	2.6	2.4	2.3
Dry (13%)	2.1	2.3	2.4	2.4	2.6	3.5	2.4	2.4	2.3	2.8	2.5	2.1
Critical (25%)	2.0	2.1	2.2	2.4	2.1	2.3	2.0	1.9	2.0	2.5	2.2	2.1

Alternative 9 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.3	0.2	**-0.1**	**-0.3**	**0.0**	**0.0**	**-0.3**	0.2	0.4	**-0.1**	0.2	0.3
20%	0.3	0.1	**0.0**	**-0.2**	**-0.2**	**-0.3**	**-0.1**	0.3	0.3	**-0.2**	0.2	0.4
30%	0.3	0.2	0.0	**-0.4**	**-0.4**	**-0.6**	0.1	0.4	0.4	**-0.1**	0.3	0.3
40%	0.3	0.1	0.1	**-0.1**	**-0.2**	**-0.6**	0.2	0.3	0.5	0.1	0.3	0.4
50%	0.2	0.2	0.1	**-0.1**	**-0.1**	**-0.2**	0.3	0.4	0.5	0.1	0.5	0.3
60%	0.2	0.3	0.3	0.0	0.0	**-0.2**	0.2	0.4	0.5	0.1	0.4	0.3
70%	0.2	0.3	0.3	**-0.1**	0.2	0.0	0.2	0.4	0.4	0.2	0.4	0.4
80%	0.2	0.4	0.5	0.0	0.2	0.2	0.3	0.4	0.5	**0.0**	0.5	0.4
90%	0.3	0.3	0.5	0.2	0.3	0.3	0.3	0.5	0.5	0.3	0.4	0.4
Long Term Full Simulation Period[a]	0.3	0.2	0.2	**-0.1**	0.0	**-0.1**	0.1	0.4	0.4	0.1	0.3	0.3
Water Year Types[b]												
Wet (31%)	0.3	0.2	0.0	**-0.3**	**-0.1**	**-0.1**	0.0	0.2	0.4	0.1	0.3	0.3
Above Normal (25%)	0.2	0.3	0.0	**-0.1**	**-0.2**	**-0.4**	**-0.1**	0.2	0.3	0.1	0.3	0.3
Below Normal (6%)	0.2	0.3	0.2	**-0.1**	**-0.2**	**-0.1**	0.2	0.3	0.3	0.3	0.3	0.4
Dry (13%)	0.3	0.1	0.2	0.1	0.0	**-0.2**	0.2	0.5	0.5	**0.0**	0.3	0.3
Critical (25%)	0.3	0.3	0.4	**0.0**	0.3	0.1	0.3	0.4	0.5	0.2	0.4	0.4

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

C.31. Sacramento River downstream of Georgiana Slough

Table C-31-1-1. Sacramento River d/s of Georgiana Slough, Monthly Averaged Daily Maximum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3.6	5.2	7.4	7.1	8.3	7.7	5.7	4.2	3.8	4.2	3.9	3.9
20%	3.3	4.5	4.0	6.3	7.5	6.5	3.7	3.5	3.6	4.0	3.9	3.5
30%	3.2	3.4	3.9	5.1	5.4	5.4	3.5	3.5	3.6	4.0	3.7	3.5
40%	3.2	3.3	3.8	4.2	4.6	4.4	3.3	3.4	3.5	3.9	3.7	3.4
50%	3.2	3.3	3.6	4.1	4.0	4.2	3.2	3.3	3.4	3.9	3.6	3.4
60%	3.2	3.3	3.5	3.8	3.5	4.1	3.2	3.1	3.4	3.9	3.6	3.3
70%	3.1	3.2	3.5	3.6	3.4	3.5	3.1	3.1	3.3	3.8	3.6	3.3
80%	3.0	3.0	3.3	3.3	3.3	3.1	3.0	3.1	3.3	3.8	3.5	3.3
90%	3.0	2.9	3.1	3.2	3.0	3.0	2.9	2.8	3.2	3.6	3.4	3.2
Long Term												
Full Simulation Period[a]	3.2	3.7	4.3	4.7	4.9	4.8	3.8	3.5	3.6	3.9	3.7	3.5
Water Year Types[b]												
Wet (31%)	3.5	5.1	6.8	6.1	7.4	7.3	5.4	4.5	4.4	4.2	3.9	4.0
Above Normal (25%)	3.0	3.1	3.7	7.1	6.9	6.0	3.9	3.6	3.4	3.7	3.6	3.4
Below Normal (6%)	3.2	3.2	3.1	4.2	4.8	4.2	3.2	3.4	3.3	3.6	3.5	3.3
Dry (13%)	3.2	3.4	3.6	3.6	3.5	4.1	3.2	3.3	3.6	3.9	3.8	3.4
Critical (25%)	3.2	3.2	3.5	3.5	3.2	3.2	3.0	2.9	3.3	3.8	3.5	3.3

No Action Alternative (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.9	5.9	8.4	8.3	9.2	8.5	6.8	5.4	5.3	5.6	5.4	5.7
20%	4.8	5.3	5.3	7.8	8.5	7.8	5.1	5.0	5.1	5.6	5.3	5.4
30%	4.7	5.0	5.3	6.5	6.7	6.6	4.9	4.9	5.0	5.5	5.2	5.0
40%	4.7	4.8	5.3	5.5	5.7	5.5	4.7	4.8	5.0	5.5	5.2	4.9
50%	4.7	4.7	5.0	5.5	5.3	5.4	4.6	4.6	4.9	5.5	5.1	4.8
60%	4.6	4.7	4.9	5.2	4.9	5.1	4.6	4.6	4.9	5.4	5.1	4.8
70%	4.6	4.6	4.8	5.1	4.8	4.8	4.5	4.6	4.8	5.4	5.0	4.8
80%	4.5	4.5	4.7	5.0	4.7	4.5	4.5	4.5	4.8	5.2	4.9	4.8
90%	4.5	4.4	4.7	4.6	4.5	4.4	4.3	4.4	4.8	5.1	4.8	4.6
Long Term												
Full Simulation Period[a]	4.7	5.0	5.7	6.0	6.2	6.0	5.1	4.8	5.0	5.4	5.1	5.0
Water Year Types[b]												
Wet (31%)	4.9	6.0	7.9	7.4	8.5	8.1	6.6	5.3	5.4	5.6	5.4	5.7
Above Normal (25%)	4.5	4.6	5.1	8.2	8.2	7.2	5.1	4.8	4.8	5.4	5.1	5.0
Below Normal (6%)	4.7	4.8	4.8	5.6	5.7	5.3	4.6	4.6	4.9	5.0	4.9	4.8
Dry (13%)	4.7	4.8	5.0	5.0	4.9	5.3	4.6	4.8	5.0	5.5	5.2	4.8
Critical (25%)	4.7	4.7	4.8	5.0	4.6	4.5	4.4	4.5	4.8	5.2	4.9	4.7

No Action Alternative (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.3	0.7	1.0	1.2	0.9	0.8	1.1	1.2	1.4	1.5	1.5	1.8
20%	1.5	0.8	1.3	1.5	1.0	1.2	1.4	1.4	1.5	1.6	1.4	1.8
30%	1.5	1.6	1.4	1.3	1.3	1.1	1.4	1.4	1.4	1.6	1.5	1.5
40%	1.5	1.5	1.4	1.3	1.1	1.1	1.4	1.3	1.4	1.6	1.5	1.4
50%	1.5	1.5	1.4	1.4	1.3	1.2	1.4	1.3	1.4	1.6	1.5	1.4
60%	1.4	1.4	1.4	1.4	1.4	1.0	1.4	1.4	1.5	1.5	1.5	1.5
70%	1.5	1.5	1.3	1.5	1.4	1.3	1.4	1.4	1.5	1.6	1.4	1.5
80%	1.5	1.5	1.4	1.7	1.4	1.4	1.4	1.5	1.5	1.5	1.4	1.5
90%	1.5	1.5	1.6	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.4	1.5
Long Term												
Full Simulation Period[a]	1.5	1.3	1.3	1.4	1.3	1.2	1.3	1.3	1.4	1.5	1.4	1.5
Water Year Types[b]												
Wet (31%)	1.4	0.9	1.1	1.3	1.0	0.8	1.2	0.8	1.0	1.4	1.5	1.7
Above Normal (25%)	1.5	1.4	1.5	1.1	1.3	1.2	1.2	1.2	1.4	1.6	1.6	1.7
Below Normal (6%)	1.5	1.7	1.7	1.4	0.9	1.2	1.4	1.2	1.5	1.4	1.4	1.5
Dry (13%)	1.5	1.4	1.4	1.4	1.4	1.2	1.4	1.5	1.5	1.5	1.4	1.4
Critical (25%)	1.5	1.5	1.4	1.5	1.4	1.4	1.4	1.5	1.5	1.4	1.4	1.5

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

Table C-31-1-2. Sacramento River d/s of Georgiana Slough, Monthly Averaged Daily Maximum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3.6	5.2	7.4	7.1	8.3	7.7	5.7	4.2	3.8	4.2	3.9	3.9
20%	3.3	4.5	4.0	6.3	7.5	6.5	3.7	3.5	3.6	4.0	3.9	3.5
30%	3.2	3.4	3.9	5.1	5.4	5.4	3.5	3.5	3.6	4.0	3.7	3.5
40%	3.2	3.3	3.8	4.2	4.6	4.4	3.3	3.4	3.5	3.9	3.7	3.4
50%	3.2	3.3	3.6	4.1	4.0	4.2	3.2	3.3	3.4	3.9	3.6	3.4
60%	3.2	3.3	3.5	3.8	3.5	4.1	3.2	3.1	3.4	3.9	3.6	3.3
70%	3.1	3.2	3.5	3.6	3.4	3.5	3.1	3.1	3.3	3.8	3.6	3.3
80%	3.0	3.0	3.3	3.3	3.3	3.1	3.0	3.1	3.3	3.8	3.5	3.3
90%	3.0	2.9	3.1	3.2	3.0	3.0	2.9	2.8	3.2	3.6	3.4	3.2
Long Term												
Full Simulation Period[a]	3.2	3.7	4.3	4.7	4.9	4.8	3.8	3.5	3.6	3.9	3.7	3.5
Water Year Types[b]												
Wet (31%)	3.5	5.1	6.8	6.1	7.4	7.3	5.4	4.5	4.4	4.2	3.9	4.0
Above Normal (25%)	3.0	3.1	3.7	7.1	6.9	6.0	3.9	3.6	3.4	3.7	3.6	3.4
Below Normal (6%)	3.2	3.2	3.1	4.2	4.8	4.2	3.2	3.4	3.3	3.6	3.5	3.3
Dry (13%)	3.2	3.4	3.6	3.6	3.5	4.1	3.2	3.3	3.6	3.9	3.8	3.4
Critical (25%)	3.2	3.2	3.5	3.5	3.2	3.2	3.0	2.9	3.3	3.8	3.5	3.3

Alternative 1A,1B,1C (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.5	5.2	7.2	6.8	8.1	7.4	5.8	4.7	4.7	5.0	4.6	4.6
20%	4.5	4.8	4.7	6.3	7.2	6.6	4.4	4.4	4.5	4.7	4.6	4.4
30%	4.4	4.4	4.7	5.6	5.4	5.5	4.3	4.3	4.5	4.7	4.6	4.4
40%	4.4	4.2	4.7	4.9	4.7	4.6	4.2	4.2	4.4	4.7	4.6	4.3
50%	4.2	4.2	4.5	4.7	4.6	4.4	4.1	4.2	4.3	4.7	4.5	4.3
60%	4.1	4.2	4.4	4.5	4.3	4.4	4.1	4.2	4.3	4.7	4.4	4.3
70%	4.1	4.1	4.3	4.4	4.3	4.2	4.1	4.1	4.2	4.5	4.4	4.3
80%	4.1	3.9	4.2	4.2	4.2	4.0	4.0	4.1	4.2	4.4	4.3	4.1
90%	4.0	3.9	4.1	4.1	4.1	3.9	3.9	3.9	4.2	4.3	4.2	4.1
Long Term												
Full Simulation Period[a]	4.2	4.4	5.0	5.2	5.4	5.2	4.5	4.3	4.4	4.6	4.5	4.4
Water Year Types[b]												
Wet (31%)	4.4	5.4	7.0	6.3	7.3	7.1	5.8	4.7	4.7	4.8	4.7	4.7
Above Normal (25%)	4.1	4.0	4.6	6.7	7.2	6.1	4.3	4.2	4.3	4.5	4.4	4.2
Below Normal (6%)	4.5	4.2	4.2	4.9	4.7	4.5	4.0	4.1	4.2	4.2	4.2	4.1
Dry (13%)	4.1	4.2	4.5	4.5	4.3	4.6	4.1	4.3	4.4	4.7	4.5	4.3
Critical (25%)	4.3	4.1	4.3	4.3	4.2	4.0	4.0	4.0	4.2	4.5	4.3	4.2

Alternative 1A,1B,1C (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.9	**0.0**	**-0.2**	**-0.3**	**-0.2**	**-0.3**	0.1	0.5	0.8	0.8	0.7	0.7
20%	1.2	0.3	0.7	0.0	**-0.3**	0.0	0.7	0.9	0.9	0.7	0.7	0.9
30%	1.1	0.9	0.8	0.5	0.1	0.1	0.8	0.8	0.9	0.7	0.9	0.9
40%	1.2	0.9	0.8	0.7	0.1	0.2	0.9	0.8	0.9	0.8	0.9	0.9
50%	1.0	0.9	0.8	0.6	0.6	0.2	0.9	0.8	0.9	0.8	0.9	0.9
60%	1.0	0.9	0.9	0.8	0.8	0.3	0.9	1.0	0.9	0.8	0.8	1.0
70%	1.0	0.9	0.9	0.9	0.9	0.8	0.9	1.0	0.9	0.7	0.8	1.0
80%	1.1	1.0	0.9	0.9	0.9	0.9	1.0	1.0	0.9	0.6	0.7	0.9
90%	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	0.9	0.7	0.8	1.0
Long Term												
Full Simulation Period[a]	1.0	0.7	0.7	0.5	0.5	0.4	0.7	0.8	0.7	0.7	0.8	0.9
Water Year Types[b]												
Wet (31%)	0.8	0.3	0.1	0.3	**-0.1**	**-0.2**	0.4	0.2	0.3	0.6	0.8	0.7
Above Normal (25%)	1.1	0.9	0.9	**-0.4**	0.2	0.1	0.4	0.7	0.8	0.8	0.8	0.9
Below Normal (6%)	1.2	1.0	1.1	0.7	**-0.1**	0.3	0.8	0.7	0.9	0.5	0.7	0.9
Dry (13%)	0.9	0.8	0.9	0.9	0.8	0.5	0.9	1.0	0.9	0.8	0.8	0.9
Critical (25%)	1.1	0.9	0.9	0.8	0.9	0.8	1.0	1.1	0.9	0.7	0.8	1.0

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-31-1-3. Sacramento River d/s of Georgiana Slough, Monthly Averaged Daily Maximum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3.6	5.2	7.4	7.1	8.3	7.7	5.7	4.2	3.8	4.2	3.9	3.9
20%	3.3	4.5	4.0	6.3	7.5	6.5	3.7	3.5	3.6	4.0	3.9	3.5
30%	3.2	3.4	3.9	5.1	5.4	5.4	3.5	3.5	3.6	4.0	3.7	3.5
40%	3.2	3.3	3.8	4.2	4.6	4.4	3.3	3.4	3.5	3.9	3.7	3.4
50%	3.2	3.3	3.6	4.1	4.0	4.2	3.2	3.3	3.4	3.9	3.6	3.4
60%	3.2	3.3	3.5	3.8	3.5	4.1	3.2	3.1	3.4	3.9	3.6	3.3
70%	3.1	3.2	3.5	3.6	3.4	3.5	3.1	3.1	3.3	3.8	3.6	3.3
80%	3.0	3.0	3.3	3.3	3.3	3.1	3.0	3.1	3.3	3.8	3.5	3.3
90%	3.0	2.9	3.1	3.2	3.0	3.0	2.9	2.8	3.2	3.6	3.4	3.2
Long Term												
Full Simulation Period[a]	3.2	3.7	4.3	4.7	4.9	4.8	3.8	3.5	3.6	3.9	3.7	3.5
Water Year Types[b]												
Wet (31%)	3.5	5.1	6.8	6.1	7.4	7.3	5.4	4.5	4.4	4.2	3.9	4.0
Above Normal (25%)	3.0	3.1	3.7	7.1	6.9	6.0	3.9	3.6	3.4	3.7	3.6	3.4
Below Normal (6%)	3.2	3.2	3.1	4.2	4.8	4.2	3.2	3.4	3.3	3.6	3.5	3.3
Dry (13%)	3.2	3.4	3.6	3.6	3.5	4.1	3.2	3.3	3.6	3.9	3.8	3.4
Critical (25%)	3.2	3.2	3.5	3.5	3.2	3.2	3.0	2.9	3.3	3.8	3.5	3.3

Alternative 2A,2B,2C (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.4	5.1	7.0	6.8	7.9	7.3	5.8	4.7	4.7	5.0	4.6	4.9
20%	4.3	4.7	4.7	6.3	7.2	6.5	4.4	4.4	4.5	4.8	4.6	4.8
30%	4.3	4.3	4.7	5.6	5.4	5.3	4.3	4.3	4.5	4.7	4.6	4.4
40%	4.2	4.2	4.7	4.7	4.6	4.6	4.2	4.2	4.4	4.7	4.5	4.3
50%	4.2	4.2	4.5	4.7	4.6	4.4	4.1	4.2	4.3	4.7	4.5	4.3
60%	4.1	4.2	4.4	4.5	4.3	4.4	4.0	4.1	4.3	4.6	4.4	4.3
70%	4.1	4.1	4.3	4.5	4.2	4.2	4.0	4.1	4.3	4.5	4.4	4.3
80%	4.0	4.0	4.2	4.4	4.2	4.0	4.0	4.1	4.2	4.5	4.3	4.2
90%	4.0	3.9	4.1	4.2	4.0	3.9	3.8	3.9	4.2	4.3	4.3	4.1
Long Term												
Full Simulation Period[a]	4.2	4.4	5.0	5.2	5.3	5.1	4.5	4.3	4.4	4.6	4.5	4.4
Water Year Types[b]												
Wet (31%)	4.4	5.3	6.9	6.3	7.3	7.0	5.8	4.7	4.7	4.8	4.7	5.0
Above Normal (25%)	4.0	4.0	4.6	6.6	6.9	6.1	4.3	4.3	4.2	4.6	4.4	4.3
Below Normal (6%)	4.1	4.1	4.2	4.9	4.6	4.4	4.1	4.1	4.3	4.2	4.2	4.1
Dry (13%)	4.1	4.2	4.4	4.4	4.3	4.4	4.1	4.3	4.5	4.7	4.5	4.3
Critical (25%)	4.2	4.1	4.4	4.4	4.1	4.0	3.9	4.0	4.2	4.5	4.3	4.2

Alternative 2A,2B,2C (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.8	**-0.1**	**-0.4**	**-0.3**	**-0.4**	**-0.4**	0.1	0.5	0.8	0.8	0.7	1.0
20%	1.0	0.2	0.7	0.0	**-0.3**	**0.0**	0.7	0.9	0.9	0.8	0.7	1.3
30%	1.0	0.9	0.8	0.5	0.0	**-0.1**	0.8	0.8	0.9	0.8	0.9	0.9
40%	1.0	0.9	0.9	0.6	0.1	0.2	0.9	0.8	0.9	0.8	0.9	0.9
50%	1.0	0.9	0.9	0.6	0.6	0.2	0.8	0.8	0.9	0.8	0.8	0.9
60%	1.0	0.9	0.9	0.8	0.8	0.3	0.8	1.0	0.9	0.8	0.8	1.0
70%	1.0	1.0	0.8	0.9	0.8	0.7	0.9	1.0	0.9	0.7	0.8	1.0
80%	1.0	1.0	0.8	1.1	0.9	0.9	1.0	1.0	0.9	0.7	0.8	1.0
90%	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	0.9	0.7	0.8	0.9
Long Term												
Full Simulation Period[a]	1.0	0.7	0.7	0.5	0.4	0.3	0.7	0.8	0.8	0.7	0.8	0.9
Water Year Types[b]												
Wet (31%)	0.8	0.2	0.1	0.2	**-0.2**	**-0.3**	0.4	0.1	0.3	0.6	0.8	1.0
Above Normal (25%)	1.1	0.9	0.9	**-0.5**	**0.0**	0.1	0.4	0.7	0.8	0.9	0.8	1.0
Below Normal (6%)	0.9	1.0	1.1	0.7	**-0.1**	0.3	0.8	0.7	0.9	0.6	0.7	0.8
Dry (13%)	1.0	0.8	0.9	0.8	0.8	0.3	0.9	1.0	0.9	0.8	0.7	0.9
Critical (25%)	1.0	0.9	0.9	0.9	0.9	0.8	1.0	1.1	0.9	0.7	0.8	1.0

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-31-1-4. Sacramento River d/s of Georgiana Slough, Monthly Averaged Daily Maximum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3.6	5.2	7.4	7.1	8.3	7.7	5.7	4.2	3.8	4.2	3.9	3.9
20%	3.3	4.5	4.0	6.3	7.5	6.5	3.7	3.5	3.6	4.0	3.9	3.5
30%	3.2	3.4	3.9	5.1	5.4	5.4	3.5	3.5	3.6	4.0	3.7	3.5
40%	3.2	3.3	3.8	4.2	4.6	4.4	3.3	3.4	3.5	3.9	3.7	3.4
50%	3.2	3.3	3.6	4.1	4.0	4.2	3.2	3.3	3.4	3.9	3.6	3.4
60%	3.2	3.3	3.5	3.8	3.5	4.1	3.2	3.1	3.4	3.9	3.6	3.3
70%	3.1	3.2	3.5	3.6	3.4	3.5	3.1	3.1	3.3	3.8	3.6	3.3
80%	3.0	3.0	3.3	3.3	3.3	3.1	3.0	3.1	3.3	3.8	3.5	3.3
90%	3.0	2.9	3.1	3.2	3.0	3.0	2.9	2.8	3.2	3.6	3.4	3.2
Long Term												
Full Simulation Period[a]	3.2	3.7	4.3	4.7	4.9	4.8	3.8	3.5	3.6	3.9	3.7	3.5
Water Year Types[b]												
Wet (31%)	3.5	5.1	6.8	6.1	7.4	7.3	5.4	4.5	4.4	4.2	3.9	4.0
Above Normal (25%)	3.0	3.1	3.7	7.1	6.9	6.0	3.9	3.6	3.4	3.7	3.6	3.4
Below Normal (6%)	3.2	3.2	3.1	4.2	4.8	4.2	3.2	3.4	3.3	3.6	3.5	3.3
Dry (13%)	3.2	3.4	3.6	3.6	3.5	4.1	3.2	3.3	3.6	3.9	3.8	3.4
Critical (25%)	3.2	3.2	3.5	3.5	3.2	3.2	3.0	2.9	3.3	3.8	3.5	3.3

Alternative 3 (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.6	5.3	7.7	7.4	8.4	7.7	6.0	4.7	4.7	5.0	4.7	4.6
20%	4.5	4.8	4.7	6.9	7.6	6.8	4.4	4.5	4.6	4.7	4.6	4.4
30%	4.4	4.2	4.7	5.6	5.8	5.6	4.3	4.3	4.4	4.7	4.6	4.4
40%	4.3	4.2	4.7	4.9	4.8	4.7	4.2	4.2	4.4	4.7	4.5	4.3
50%	4.2	4.1	4.4	4.7	4.6	4.6	4.1	4.2	4.3	4.7	4.5	4.3
60%	4.1	4.1	4.4	4.5	4.3	4.4	4.1	4.1	4.3	4.6	4.4	4.3
70%	4.1	4.1	4.3	4.4	4.3	4.3	4.0	4.1	4.2	4.5	4.4	4.3
80%	4.1	4.0	4.2	4.3	4.2	4.0	4.0	4.1	4.2	4.4	4.3	4.2
90%	4.0	3.9	4.1	4.2	4.0	3.9	3.8	3.9	4.2	4.3	4.2	4.1
Long Term												
Full Simulation Period[a]	4.3	4.5	5.1	5.3	5.5	5.3	4.6	4.3	4.4	4.6	4.5	4.4
Water Year Types[b]												
Wet (31%)	4.4	5.5	7.2	6.4	7.6	7.3	5.9	4.8	4.7	4.8	4.7	4.7
Above Normal (25%)	4.2	4.0	4.5	7.2	7.3	6.2	4.4	4.2	4.3	4.5	4.4	4.2
Below Normal (6%)	4.3	4.1	4.2	4.9	4.8	4.5	4.0	4.1	4.2	4.1	4.2	4.2
Dry (13%)	4.1	4.2	4.4	4.5	4.3	4.7	4.1	4.3	4.4	4.7	4.5	4.3
Critical (25%)	4.3	4.1	4.3	4.4	4.1	4.0	3.9	4.0	4.2	4.5	4.3	4.3

Alternative 3 (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.0	0.2	0.3	0.3	0.0	**0.0**	0.2	0.5	0.9	0.8	0.7	0.7
20%	1.2	0.3	0.7	0.6	0.1	0.3	0.7	0.9	0.9	0.8	0.7	0.9
30%	1.1	0.8	0.8	0.5	0.4	0.2	0.8	0.8	0.9	0.8	0.9	0.9
40%	1.1	0.9	0.8	0.7	0.3	0.3	0.9	0.8	0.9	0.8	0.8	0.9
50%	1.0	0.8	0.8	0.6	0.6	0.3	0.8	0.9	0.9	0.8	0.9	0.9
60%	1.0	0.9	0.9	0.8	0.8	0.3	0.9	1.0	0.9	0.8	0.8	1.0
70%	1.1	0.9	0.9	0.9	0.9	0.8	0.9	1.0	0.9	0.7	0.8	1.0
80%	1.1	1.0	0.9	1.0	0.9	0.9	1.0	1.0	0.9	0.7	0.7	0.9
90%	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	0.9	0.7	0.8	0.9
Long Term												
Full Simulation Period[a]	1.0	0.7	0.8	0.6	0.6	0.4	0.8	0.8	0.8	0.7	0.8	0.9
Water Year Types[b]												
Wet (31%)	0.8	0.4	0.4	0.4	0.2	**0.0**	0.5	0.2	0.3	0.6	0.8	0.7
Above Normal (25%)	1.2	0.9	0.9	0.1	0.4	0.2	0.5	0.7	0.9	0.8	0.8	0.9
Below Normal (6%)	1.1	0.9	1.1	0.7	0.1	0.4	0.8	0.7	0.9	0.5	0.7	0.9
Dry (13%)	0.9	0.8	0.9	0.9	0.8	0.6	0.9	1.0	0.9	0.8	0.8	0.9
Critical (25%)	1.2	0.9	0.9	0.9	0.9	0.8	1.0	1.1	0.9	0.7	0.8	1.0

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-31-1-5. Sacramento River d/s of Georgiana Slough, Monthly Averaged Daily Maximum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3.6	5.2	7.4	7.1	8.3	7.7	5.7	4.2	3.8	4.2	3.9	3.9
20%	3.3	4.5	4.0	6.3	7.5	6.5	3.7	3.5	3.6	4.0	3.9	3.5
30%	3.2	3.4	3.9	5.1	5.4	5.4	3.5	3.5	3.6	4.0	3.7	3.5
40%	3.2	3.3	3.8	4.2	4.6	4.4	3.3	3.4	3.5	3.9	3.7	3.4
50%	3.2	3.3	3.6	4.1	4.0	4.2	3.2	3.3	3.4	3.9	3.6	3.4
60%	3.2	3.3	3.5	3.8	3.5	4.1	3.2	3.1	3.4	3.9	3.6	3.3
70%	3.1	3.2	3.5	3.6	3.4	3.5	3.1	3.1	3.3	3.8	3.6	3.3
80%	3.0	3.0	3.3	3.3	3.3	3.1	3.0	3.1	3.3	3.8	3.5	3.3
90%	3.0	2.9	3.1	3.2	3.0	3.0	2.9	2.8	3.2	3.6	3.4	3.2
Long Term												
Full Simulation Period[a]	3.2	3.7	4.3	4.7	4.9	4.8	3.8	3.5	3.6	3.9	3.7	3.5
Water Year Types[b]												
Wet (31%)	3.5	5.1	6.8	6.1	7.4	7.3	5.4	4.5	4.4	4.2	3.9	4.0
Above Normal (25%)	3.0	3.1	3.7	7.1	6.9	6.0	3.9	3.6	3.4	3.7	3.6	3.4
Below Normal (6%)	3.2	3.2	3.1	4.2	4.8	4.2	3.2	3.4	3.3	3.6	3.5	3.3
Dry (13%)	3.2	3.4	3.6	3.6	3.5	4.1	3.2	3.3	3.6	3.9	3.8	3.4
Critical (25%)	3.2	3.2	3.5	3.5	3.2	3.2	3.0	2.9	3.3	3.8	3.5	3.3

Alternative 4 H1 (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.4	5.3	7.5	7.1	8.2	7.4	5.8	4.7	4.7	5.0	4.7	4.6
20%	4.3	4.8	4.7	6.7	7.4	6.6	4.4	4.4	4.6	4.8	4.6	4.5
30%	4.3	4.2	4.7	5.5	5.6	5.6	4.3	4.3	4.5	4.8	4.6	4.4
40%	4.2	4.2	4.6	4.7	4.8	4.7	4.2	4.2	4.4	4.7	4.6	4.3
50%	4.2	4.2	4.5	4.7	4.5	4.5	4.1	4.2	4.3	4.7	4.5	4.3
60%	4.2	4.1	4.4	4.6	4.3	4.4	4.0	4.1	4.3	4.7	4.4	4.3
70%	4.1	4.1	4.3	4.5	4.2	4.2	4.0	4.1	4.2	4.5	4.4	4.3
80%	4.0	3.9	4.2	4.5	4.2	4.0	4.0	4.1	4.2	4.5	4.3	4.2
90%	4.0	3.9	4.1	4.2	4.0	3.9	3.8	3.9	4.2	4.3	4.3	4.1
Long Term												
Full Simulation Period[a]	4.2	4.4	5.1	5.3	5.4	5.2	4.5	4.3	4.4	4.7	4.5	4.4
Water Year Types[b]												
Wet (31%)	4.4	5.4	7.1	6.3	7.4	7.1	5.8	4.7	4.7	4.9	4.7	4.7
Above Normal (25%)	4.0	4.0	4.6	7.1	7.1	6.0	4.4	4.3	4.2	4.6	4.5	4.2
Below Normal (6%)	4.2	4.1	4.2	4.9	4.8	4.5	4.0	4.1	4.3	4.2	4.3	4.2
Dry (13%)	4.1	4.2	4.4	4.4	4.3	4.6	4.1	4.3	4.5	4.8	4.5	4.3
Critical (25%)	4.2	4.1	4.4	4.4	4.1	4.0	3.9	4.0	4.2	4.5	4.3	4.2

Alternative 4 H1 (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.8	0.1	0.1	0.0	**-0.1**	**-0.3**	0.1	0.5	0.8	0.8	0.8	0.7
20%	1.0	0.3	0.7	0.4	**-0.2**	0.1	0.7	0.9	0.9	0.8	0.7	1.0
30%	1.0	0.8	0.8	0.4	0.2	0.1	0.8	0.8	0.9	0.8	0.9	0.9
40%	1.0	0.8	0.8	0.5	0.2	0.2	0.9	0.8	0.9	0.8	0.9	0.9
50%	1.0	0.9	0.9	0.6	0.6	0.3	0.8	0.8	0.9	0.8	0.9	0.9
60%	1.0	0.9	0.9	0.8	0.8	0.3	0.9	1.0	0.9	0.8	0.8	1.0
70%	1.0	0.9	0.8	0.9	0.9	0.7	0.9	1.0	0.9	0.7	0.8	1.0
80%	1.0	0.9	0.8	1.2	0.9	0.9	1.0	1.0	0.9	0.7	0.8	0.9
90%	1.0	0.9	1.0	1.1	1.0	1.0	1.0	1.1	0.9	0.7	0.8	1.0
Long Term												
Full Simulation Period[a]	1.0	0.7	0.7	0.6	0.5	0.4	0.7	0.8	0.8	0.7	0.8	0.9
Water Year Types[b]												
Wet (31%)	0.8	0.3	0.3	0.2	**0.0**	**-0.2**	0.4	0.2	0.3	0.7	0.8	0.7
Above Normal (25%)	1.0	0.9	0.9	**0.0**	0.2	0.1	0.4	0.7	0.8	0.9	0.9	0.9
Below Normal (6%)	1.0	1.0	1.0	0.7	**0.0**	0.3	0.8	0.7	0.9	0.6	0.7	0.9
Dry (13%)	1.0	0.8	0.9	0.8	0.8	0.5	0.9	1.0	0.9	0.8	0.8	0.9
Critical (25%)	1.0	0.9	0.9	0.9	0.9	0.8	1.0	1.1	0.9	0.7	0.9	1.0

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-31-1-6. Sacramento River d/s of Georgiana Slough, Monthly Averaged Daily Maximum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3.6	5.2	7.4	7.1	8.3	7.7	5.7	4.2	3.8	4.2	3.9	3.9
20%	3.3	4.5	4.0	6.3	7.5	6.5	3.7	3.5	3.6	4.0	3.9	3.5
30%	3.2	3.4	3.9	5.1	5.4	5.4	3.5	3.5	3.6	4.0	3.7	3.5
40%	3.2	3.3	3.8	4.2	4.6	4.4	3.3	3.4	3.5	3.9	3.7	3.4
50%	3.2	3.3	3.6	4.1	4.0	4.2	3.2	3.3	3.4	3.9	3.6	3.4
60%	3.2	3.3	3.5	3.8	3.5	4.1	3.2	3.1	3.4	3.9	3.6	3.3
70%	3.1	3.2	3.5	3.6	3.4	3.5	3.1	3.1	3.3	3.8	3.6	3.3
80%	3.0	3.0	3.3	3.3	3.3	3.1	3.0	3.1	3.3	3.8	3.5	3.3
90%	3.0	2.9	3.1	3.2	3.0	3.0	2.9	2.8	3.2	3.6	3.4	3.2
Long Term												
Full Simulation Period[a]	3.2	3.7	4.3	4.7	4.9	4.8	3.8	3.5	3.6	3.9	3.7	3.5
Water Year Types[b]												
Wet (31%)	3.5	5.1	6.8	6.1	7.4	7.3	5.4	4.5	4.4	4.2	3.9	4.0
Above Normal (25%)	3.0	3.1	3.7	7.1	6.9	6.0	3.9	3.6	3.4	3.7	3.6	3.4
Below Normal (6%)	3.2	3.2	3.1	4.2	4.8	4.2	3.2	3.4	3.3	3.6	3.5	3.3
Dry (13%)	3.2	3.4	3.6	3.6	3.5	4.1	3.2	3.3	3.6	3.9	3.8	3.4
Critical (25%)	3.2	3.2	3.5	3.5	3.2	3.2	3.0	2.9	3.3	3.8	3.5	3.3

Alternative 4 H2 (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.5	5.4	7.6	7.1	8.2	7.5	5.8	4.7	4.6	4.9	4.7	4.6
20%	4.3	4.9	4.8	6.6	7.4	6.6	4.6	4.4	4.5	4.8	4.6	4.4
30%	4.3	4.2	4.7	5.5	5.7	5.7	4.4	4.4	4.4	4.7	4.6	4.4
40%	4.2	4.2	4.6	4.7	4.8	4.7	4.4	4.3	4.4	4.7	4.5	4.3
50%	4.1	4.2	4.5	4.7	4.5	4.5	4.2	4.2	4.3	4.6	4.5	4.3
60%	4.1	4.1	4.4	4.5	4.3	4.4	4.1	4.1	4.2	4.6	4.4	4.3
70%	4.1	4.1	4.3	4.5	4.2	4.2	4.0	4.1	4.2	4.5	4.4	4.3
80%	4.0	3.9	4.1	4.4	4.2	4.0	4.0	4.1	4.2	4.4	4.3	4.2
90%	4.0	3.9	4.1	4.3	4.0	3.9	3.9	3.9	4.1	4.3	4.3	4.1
Long Term												
Full Simulation Period[a]	4.2	4.5	5.1	5.3	5.4	5.2	4.6	4.3	4.4	4.6	4.5	4.4
Water Year Types[b]												
Wet (31%)	4.4	5.4	7.1	6.3	7.4	7.1	6.0	4.7	4.7	4.8	4.7	4.7
Above Normal (25%)	4.0	4.0	4.6	7.2	7.2	6.1	4.6	4.4	4.2	4.5	4.5	4.2
Below Normal (6%)	4.1	4.1	4.1	4.9	4.8	4.6	4.0	4.1	4.3	4.3	4.3	4.2
Dry (13%)	4.1	4.2	4.4	4.4	4.3	4.6	4.1	4.3	4.4	4.7	4.5	4.3
Critical (25%)	4.3	4.1	4.3	4.4	4.1	4.0	3.9	4.0	4.2	4.5	4.3	4.3

Alternative 4 H2 (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.9	0.2	0.1	0.1	**-0.1**	**-0.3**	0.1	0.5	0.8	0.7	0.8	0.7
20%	1.1	0.4	0.8	0.4	**-0.2**	0.1	0.9	0.9	0.9	0.8	0.7	0.9
30%	1.1	0.8	0.8	0.4	0.3	0.2	0.9	0.9	0.9	0.7	0.9	0.9
40%	1.0	0.8	0.8	0.5	0.2	0.2	1.1	0.9	0.9	0.7	0.8	0.9
50%	1.0	0.9	0.9	0.6	0.6	0.3	1.0	0.9	0.8	0.7	0.9	0.9
60%	0.9	0.9	0.9	0.7	0.8	0.3	0.9	1.0	0.9	0.7	0.8	1.0
70%	1.0	0.9	0.8	0.9	0.8	0.7	0.9	0.9	0.9	0.7	0.8	1.0
80%	1.0	1.0	0.8	1.1	0.9	0.9	0.9	1.0	0.9	0.6	0.8	0.9
90%	1.0	1.0	1.0	1.1	1.0	1.0	1.0	1.1	0.9	0.7	0.8	1.0
Long Term												
Full Simulation Period[a]	1.0	0.7	0.7	0.6	0.5	0.4	0.8	0.8	0.7	0.7	0.8	0.9
Water Year Types[b]												
Wet (31%)	0.8	0.3	0.3	0.2	**0.0**	**-0.2**	0.5	0.2	0.3	0.6	0.8	0.7
Above Normal (25%)	1.1	0.8	0.9	0.1	0.2	0.1	0.7	0.8	0.8	0.7	0.9	0.9
Below Normal (6%)	0.9	0.9	1.0	0.7	0.1	0.4	0.8	0.7	0.9	0.6	0.7	0.9
Dry (13%)	0.9	0.8	0.8	0.8	0.8	0.5	0.9	1.0	0.8	0.7	0.7	0.9
Critical (25%)	1.1	0.9	0.8	0.9	0.9	0.8	0.9	1.1	0.9	0.7	0.9	1.0

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-31-1-7. Sacramento River d/s of Georgiana Slough, Monthly Averaged Daily Maximum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3.6	5.2	7.4	7.1	8.3	7.7	5.7	4.2	3.8	4.2	3.9	3.9
20%	3.3	4.5	4.0	6.3	7.5	6.5	3.7	3.5	3.6	4.0	3.9	3.5
30%	3.2	3.4	3.9	5.1	5.4	5.4	3.5	3.5	3.6	4.0	3.7	3.5
40%	3.2	3.3	3.8	4.2	4.6	4.4	3.3	3.4	3.5	3.9	3.7	3.4
50%	3.2	3.3	3.6	4.1	4.0	4.2	3.2	3.3	3.4	3.9	3.6	3.4
60%	3.2	3.3	3.5	3.8	3.5	4.1	3.2	3.1	3.4	3.9	3.6	3.3
70%	3.1	3.2	3.5	3.6	3.4	3.5	3.1	3.1	3.3	3.8	3.6	3.3
80%	3.0	3.0	3.3	3.3	3.3	3.1	3.0	3.1	3.3	3.8	3.5	3.3
90%	3.0	2.9	3.1	3.2	3.0	3.0	2.9	2.8	3.2	3.6	3.4	3.2
Long Term												
Full Simulation Period[a]	3.2	3.7	4.3	4.7	4.9	4.8	3.8	3.5	3.6	3.9	3.7	3.5
Water Year Types[b]												
Wet (31%)	3.5	5.1	6.8	6.1	7.4	7.3	5.4	4.5	4.4	4.2	3.9	4.0
Above Normal (25%)	3.0	3.1	3.7	7.1	6.9	6.0	3.9	3.6	3.4	3.7	3.6	3.4
Below Normal (6%)	3.2	3.2	3.1	4.2	4.8	4.2	3.2	3.4	3.3	3.6	3.5	3.3
Dry (13%)	3.2	3.4	3.6	3.6	3.5	4.1	3.2	3.3	3.6	3.9	3.8	3.4
Critical (25%)	3.2	3.2	3.5	3.5	3.2	3.2	3.0	2.9	3.3	3.8	3.5	3.3

Alternative 4 H3 (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.4	5.3	7.4	7.1	8.2	7.4	5.8	4.7	4.7	5.0	4.7	4.9
20%	4.4	4.8	4.7	6.6	7.4	6.6	4.4	4.4	4.6	4.8	4.6	4.8
30%	4.2	4.3	4.7	5.5	5.6	5.4	4.3	4.3	4.5	4.8	4.6	4.4
40%	4.2	4.2	4.7	4.7	4.8	4.7	4.2	4.3	4.4	4.7	4.5	4.4
50%	4.1	4.2	4.6	4.7	4.5	4.5	4.0	4.2	4.3	4.7	4.5	4.3
60%	4.1	4.2	4.5	4.6	4.3	4.4	4.0	4.1	4.3	4.7	4.4	4.3
70%	4.0	4.1	4.3	4.5	4.2	4.2	4.0	4.1	4.3	4.5	4.3	4.3
80%	4.0	3.9	4.1	4.4	4.2	4.0	4.0	4.1	4.2	4.5	4.3	4.2
90%	4.0	3.9	4.1	4.1	4.0	3.9	3.8	3.9	4.2	4.3	4.3	4.1
Long Term												
Full Simulation Period[a]	4.2	4.5	5.1	5.2	5.4	5.2	4.5	4.3	4.4	4.7	4.5	4.4
Water Year Types[b]												
Wet (31%)	4.3	5.4	7.1	6.3	7.4	7.1	5.8	4.7	4.7	4.9	4.7	4.9
Above Normal (25%)	4.1	4.0	4.6	7.0	7.1	6.0	4.4	4.3	4.2	4.6	4.5	4.3
Below Normal (6%)	4.1	4.2	4.0	4.9	4.8	4.5	4.0	4.1	4.3	4.2	4.3	4.1
Dry (13%)	4.1	4.2	4.4	4.4	4.3	4.5	4.1	4.3	4.5	4.7	4.5	4.3
Critical (25%)	4.1	4.1	4.4	4.4	4.1	4.0	3.9	4.0	4.2	4.5	4.3	4.2

Alternative 4 H3 (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.8	0.1	**0.0**	0.0	**-0.2**	**-0.3**	0.1	0.5	0.8	0.8	0.8	1.0
20%	1.1	0.3	0.7	0.4	**-0.2**	0.1	0.7	0.9	0.9	0.8	0.7	1.3
30%	1.0	0.9	0.8	0.4	0.2	**0.0**	0.8	0.8	0.9	0.8	0.9	0.9
40%	1.0	0.9	0.9	0.5	0.2	0.2	0.9	0.8	0.9	0.8	0.9	0.9
50%	1.0	0.9	1.0	0.6	0.6	0.3	0.8	0.8	0.9	0.8	0.8	0.9
60%	0.9	0.9	1.0	0.9	0.8	0.3	0.8	1.0	0.9	0.8	0.8	1.0
70%	1.0	1.0	0.8	0.9	0.9	0.7	0.9	1.0	0.9	0.7	0.8	1.0
80%	1.0	0.9	0.8	1.1	0.9	0.9	1.0	1.0	0.9	0.7	0.8	1.0
90%	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	0.9	0.7	0.8	0.9
Long Term												
Full Simulation Period[a]	0.9	0.7	0.7	0.6	0.5	0.3	0.7	0.8	0.8	0.7	0.8	0.9
Water Year Types[b]												
Wet (31%)	0.8	0.3	0.2	0.2	**0.0**	**-0.2**	0.4	0.2	0.3	0.7	0.8	0.9
Above Normal (25%)	1.1	0.9	0.9	**-0.1**	0.2	0.1	0.4	0.7	0.8	0.9	0.9	1.0
Below Normal (6%)	0.9	1.0	0.9	0.7	**0.0**	0.3	0.8	0.7	0.9	0.6	0.7	0.8
Dry (13%)	1.0	0.8	0.9	0.8	0.8	0.4	0.9	1.0	0.9	0.8	0.7	0.9
Critical (25%)	1.0	0.9	0.9	0.9	0.9	0.8	0.9	1.1	0.9	0.7	0.8	1.0

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-31-1-8. Sacramento River d/s of Georgiana Slough, Monthly Averaged Daily Maximum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3.6	5.2	7.4	7.1	8.3	7.7	5.7	4.2	3.8	4.2	3.9	3.9
20%	3.3	4.5	4.0	6.3	7.5	6.5	3.7	3.5	3.6	4.0	3.9	3.5
30%	3.2	3.4	3.9	5.1	5.4	5.4	3.5	3.5	3.6	4.0	3.7	3.5
40%	3.2	3.3	3.8	4.2	4.6	4.4	3.3	3.4	3.5	3.9	3.7	3.4
50%	3.2	3.3	3.6	4.1	4.0	4.2	3.2	3.3	3.4	3.9	3.6	3.4
60%	3.2	3.3	3.5	3.8	3.5	4.1	3.2	3.1	3.4	3.9	3.6	3.3
70%	3.1	3.2	3.5	3.6	3.4	3.5	3.1	3.1	3.3	3.8	3.6	3.3
80%	3.0	3.0	3.3	3.3	3.3	3.1	3.0	3.1	3.3	3.8	3.5	3.3
90%	3.0	2.9	3.1	3.2	3.0	3.0	2.9	2.8	3.2	3.6	3.4	3.2
Long Term												
Full Simulation Period[a]	3.2	3.7	4.3	4.7	4.9	4.8	3.8	3.5	3.6	3.9	3.7	3.5
Water Year Types[b]												
Wet (31%)	3.5	5.1	6.8	6.1	7.4	7.3	5.4	4.5	4.4	4.2	3.9	4.0
Above Normal (25%)	3.0	3.1	3.7	7.1	6.9	6.0	3.9	3.6	3.4	3.7	3.6	3.4
Below Normal (6%)	3.2	3.2	3.1	4.2	4.8	4.2	3.2	3.4	3.3	3.6	3.5	3.3
Dry (13%)	3.2	3.4	3.6	3.6	3.5	4.1	3.2	3.3	3.6	3.9	3.8	3.4
Critical (25%)	3.2	3.2	3.5	3.5	3.2	3.2	3.0	2.9	3.3	3.8	3.5	3.3

Alternative 4 H4 (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.4	5.2	7.4	7.2	8.2	7.5	5.8	4.7	4.6	4.9	4.7	4.9
20%	4.4	4.8	4.7	6.7	7.4	6.6	4.6	4.4	4.5	4.8	4.6	4.8
30%	4.3	4.3	4.7	5.5	5.6	5.6	4.4	4.4	4.4	4.7	4.6	4.4
40%	4.2	4.2	4.6	4.7	4.8	4.7	4.4	4.3	4.4	4.6	4.5	4.4
50%	4.2	4.2	4.5	4.7	4.5	4.5	4.2	4.2	4.3	4.6	4.5	4.3
60%	4.1	4.2	4.4	4.5	4.3	4.4	4.0	4.1	4.2	4.6	4.4	4.3
70%	4.0	4.1	4.3	4.5	4.2	4.2	4.0	4.1	4.2	4.5	4.4	4.3
80%	4.0	4.0	4.1	4.2	4.2	4.0	4.0	4.1	4.2	4.4	4.3	4.2
90%	4.0	3.9	4.1	4.1	4.0	3.9	3.9	3.9	4.2	4.3	4.2	4.1
Long Term												
Full Simulation Period[a]	4.2	4.4	5.1	5.2	5.4	5.2	4.6	4.3	4.4	4.6	4.5	4.4
Water Year Types[b]												
Wet (31%)	4.4	5.3	7.1	6.3	7.4	7.1	6.0	4.7	4.7	4.8	4.7	5.0
Above Normal (25%)	4.1	4.0	4.6	7.1	7.1	6.0	4.6	4.4	4.2	4.5	4.5	4.3
Below Normal (6%)	4.0	4.2	4.1	4.9	4.8	4.5	4.0	4.1	4.3	4.3	4.2	4.1
Dry (13%)	4.1	4.2	4.4	4.4	4.3	4.6	4.1	4.3	4.4	4.6	4.5	4.3
Critical (25%)	4.2	4.1	4.3	4.3	4.1	4.0	3.9	4.0	4.2	4.5	4.4	4.3

Alternative 4 H4 (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.8	0.0	**0.0**	0.1	**-0.2**	**-0.3**	0.1	0.5	0.8	0.7	0.8	1.0
20%	1.1	0.3	0.7	0.4	**-0.2**	0.1	0.9	0.9	0.9	0.8	0.7	1.3
30%	1.0	0.9	0.8	0.4	0.3	0.2	0.9	0.9	0.9	0.7	0.9	0.9
40%	1.0	0.9	0.8	0.5	0.2	0.2	1.1	0.9	0.9	0.7	0.8	0.9
50%	1.0	0.9	0.9	0.6	0.6	0.3	1.0	0.9	0.8	0.7	0.9	0.9
60%	1.0	0.9	0.9	0.7	0.8	0.3	0.9	1.0	0.9	0.7	0.9	1.0
70%	1.0	1.0	0.8	0.9	0.8	0.7	0.9	0.9	0.9	0.7	0.8	1.0
80%	1.0	1.0	0.8	0.9	0.9	0.9	1.0	1.0	0.9	0.6	0.8	1.0
90%	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	0.9	0.7	0.8	1.0
Long Term												
Full Simulation Period[a]	1.0	0.7	0.7	0.6	0.5	0.4	0.8	0.8	0.7	0.7	0.8	1.0
Water Year Types[b]												
Wet (31%)	0.9	0.3	0.2	0.2	**0.0**	**-0.2**	0.5	0.2	0.3	0.6	0.8	1.0
Above Normal (25%)	1.1	0.8	0.9	0.0	0.2	0.1	0.7	0.8	0.8	0.7	0.9	1.0
Below Normal (6%)	0.8	1.0	1.0	0.7	0.0	0.3	0.8	0.7	0.9	0.6	0.7	0.9
Dry (13%)	1.0	0.8	0.8	0.8	0.8	0.5	0.9	1.0	0.8	0.7	0.7	0.9
Critical (25%)	1.0	0.9	0.8	0.8	0.9	0.8	1.0	1.1	0.9	0.7	0.9	1.0

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-31-1-9. Sacramento River d/s of Georgiana Slough, Monthly Averaged Daily Maximum Elevation

Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3.6	5.2	7.4	7.1	8.3	7.7	5.7	4.2	3.8	4.2	3.9	3.9
20%	3.3	4.5	4.0	6.3	7.5	6.5	3.7	3.5	3.6	4.0	3.9	3.5
30%	3.2	3.4	3.9	5.1	5.4	5.4	3.5	3.5	3.6	4.0	3.7	3.5
40%	3.2	3.3	3.8	4.2	4.6	4.4	3.3	3.4	3.5	3.9	3.7	3.4
50%	3.2	3.3	3.6	4.1	4.0	4.2	3.2	3.3	3.4	3.9	3.6	3.4
60%	3.2	3.3	3.5	3.8	3.5	4.1	3.2	3.1	3.4	3.9	3.6	3.3
70%	3.1	3.2	3.5	3.6	3.4	3.5	3.1	3.1	3.3	3.8	3.6	3.3
80%	3.0	3.0	3.3	3.3	3.3	3.1	3.0	3.1	3.3	3.8	3.5	3.3
90%	3.0	2.9	3.1	3.2	3.0	3.0	2.9	2.8	3.2	3.6	3.4	3.2
Long Term												
Full Simulation Period[a]	3.2	3.7	4.3	4.7	4.9	4.8	3.8	3.5	3.6	3.9	3.7	3.5
Water Year Types[b]												
Wet (31%)	3.5	5.1	6.8	6.1	7.4	7.3	5.4	4.5	4.4	4.2	3.9	4.0
Above Normal (25%)	3.0	3.1	3.7	7.1	6.9	6.0	3.9	3.6	3.4	3.7	3.6	3.4
Below Normal (6%)	3.2	3.2	3.1	4.2	4.8	4.2	3.2	3.4	3.3	3.6	3.5	3.3
Dry (13%)	3.2	3.4	3.6	3.6	3.5	4.1	3.2	3.3	3.6	3.9	3.8	3.4
Critical (25%)	3.2	3.2	3.5	3.5	3.2	3.2	3.0	2.9	3.3	3.8	3.5	3.3

Alternative 5 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.4	5.4	7.8	7.5	8.6	7.9	6.1	4.8	4.7	4.9	4.7	4.9
20%	4.3	4.8	4.7	7.0	7.8	7.0	4.5	4.4	4.6	4.8	4.6	4.8
30%	4.3	4.3	4.7	5.7	5.9	5.8	4.4	4.3	4.5	4.8	4.5	4.4
40%	4.2	4.2	4.7	4.8	4.9	4.8	4.2	4.2	4.4	4.7	4.5	4.3
50%	4.1	4.2	4.4	4.8	4.6	4.7	4.1	4.2	4.3	4.7	4.5	4.3
60%	4.0	4.2	4.4	4.5	4.3	4.4	4.0	4.1	4.3	4.7	4.4	4.3
70%	4.0	4.1	4.3	4.5	4.3	4.2	4.0	4.1	4.3	4.6	4.4	4.3
80%	4.0	3.9	4.2	4.4	4.2	4.0	4.0	4.1	4.2	4.5	4.3	4.2
90%	4.0	3.9	4.1	4.2	4.0	3.9	3.8	3.9	4.2	4.4	4.2	4.1
Long Term												
Full Simulation Period[a]	4.2	4.5	5.1	5.4	5.6	5.4	4.6	4.3	4.4	4.7	4.5	4.4
Water Year Types[b]												
Wet (31%)	4.3	5.5	7.3	6.6	7.8	7.5	6.0	4.8	4.8	4.9	4.7	5.0
Above Normal (25%)	3.9	4.0	4.6	7.4	7.5	6.4	4.5	4.3	4.3	4.6	4.4	4.3
Below Normal (6%)	4.0	4.2	4.2	4.9	4.9	4.6	4.0	4.1	4.3	4.4	4.2	4.1
Dry (13%)	4.1	4.2	4.4	4.4	4.3	4.7	4.1	4.3	4.4	4.7	4.5	4.2
Critical (25%)	4.2	4.1	4.3	4.4	4.1	4.0	4.0	4.0	4.2	4.5	4.3	4.2

Alternative 5 (LLT) minus Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.8	0.2	0.3	0.4	0.3	0.2	0.4	0.6	0.8	0.8	0.8	1.0
20%	1.0	0.3	0.7	0.7	0.3	0.5	0.8	0.9	0.9	0.8	0.8	1.3
30%	1.0	0.9	0.8	0.6	0.5	0.3	0.9	0.8	0.9	0.8	0.9	0.9
40%	1.0	0.9	0.8	0.6	0.4	0.4	0.9	0.8	0.9	0.8	0.8	0.9
50%	0.9	0.9	0.8	0.7	0.6	0.4	0.9	0.8	0.9	0.8	0.8	0.9
60%	0.9	0.9	0.9	0.8	0.8	0.4	0.9	1.0	0.9	0.8	0.8	1.0
70%	0.9	1.0	0.8	0.9	0.9	0.7	0.9	1.0	0.9	0.8	0.8	1.0
80%	1.0	1.0	0.9	1.1	0.9	0.9	1.0	1.0	0.9	0.8	0.7	0.9
90%	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	0.9	0.7	0.8	0.9
Long Term												
Full Simulation Period[a]	0.9	0.8	0.8	0.7	0.6	0.5	0.8	0.8	0.8	0.8	0.8	0.9
Water Year Types[b]												
Wet (31%)	0.8	0.4	0.5	0.5	0.4	0.1	0.6	0.3	0.4	0.7	0.8	1.0
Above Normal (25%)	1.0	0.9	0.9	0.3	0.5	0.4	0.5	0.7	0.9	0.9	0.8	1.0
Below Normal (6%)	0.8	1.0	1.1	0.7	0.1	0.4	0.8	0.7	0.9	0.7	0.7	0.8
Dry (13%)	1.0	0.8	0.8	0.8	0.8	0.6	0.9	1.0	0.9	0.8	0.8	0.8
Critical (25%)	1.0	0.9	0.8	0.9	0.9	0.9	1.0	1.1	0.9	0.7	0.8	1.0

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-31-1-10. Sacramento River d/s of Georgiana Slough, Monthly Averaged Daily Maximum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3.6	5.2	7.4	7.1	8.3	7.7	5.7	4.2	3.8	4.2	3.9	3.9
20%	3.3	4.5	4.0	6.3	7.5	6.5	3.7	3.5	3.6	4.0	3.9	3.5
30%	3.2	3.4	3.9	5.1	5.4	5.4	3.5	3.5	3.6	4.0	3.7	3.5
40%	3.2	3.3	3.8	4.2	4.6	4.4	3.3	3.4	3.5	3.9	3.7	3.4
50%	3.2	3.3	3.6	4.1	4.0	4.2	3.2	3.3	3.4	3.9	3.6	3.4
60%	3.2	3.3	3.5	3.8	3.5	4.1	3.2	3.1	3.4	3.9	3.6	3.3
70%	3.1	3.2	3.5	3.6	3.4	3.5	3.1	3.1	3.3	3.8	3.6	3.3
80%	3.0	3.0	3.3	3.3	3.3	3.1	3.0	3.1	3.3	3.8	3.5	3.3
90%	3.0	2.9	3.1	3.2	3.0	3.0	2.9	2.8	3.2	3.6	3.4	3.2
Long Term												
Full Simulation Period[a]	3.2	3.7	4.3	4.7	4.9	4.8	3.8	3.5	3.6	3.9	3.7	3.5
Water Year Types[b]												
Wet (31%)	3.5	5.1	6.8	6.1	7.4	7.3	5.4	4.5	4.4	4.2	3.9	4.0
Above Normal (25%)	3.0	3.1	3.7	7.1	6.9	6.0	3.9	3.6	3.4	3.7	3.6	3.4
Below Normal (6%)	3.2	3.2	3.1	4.2	4.8	4.2	3.2	3.4	3.3	3.6	3.5	3.3
Dry (13%)	3.2	3.4	3.6	3.6	3.5	4.1	3.2	3.3	3.6	3.9	3.8	3.4
Critical (25%)	3.2	3.2	3.5	3.5	3.2	3.2	3.0	2.9	3.3	3.8	3.5	3.3

Alternative 6A,6B,6C (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.4	5.5	7.3	6.8	7.7	7.2	5.7	4.6	4.6	4.8	4.7	4.9
20%	4.3	4.9	4.7	6.4	7.2	6.5	4.4	4.3	4.5	4.7	4.6	4.7
30%	4.2	4.3	4.7	5.6	5.5	5.4	4.3	4.3	4.4	4.7	4.6	4.4
40%	4.2	4.3	4.6	4.8	4.7	4.6	4.2	4.2	4.3	4.7	4.6	4.4
50%	4.1	4.2	4.5	4.7	4.6	4.5	4.1	4.2	4.2	4.6	4.5	4.4
60%	4.1	4.2	4.3	4.5	4.5	4.4	4.0	4.1	4.2	4.6	4.4	4.4
70%	4.1	4.2	4.3	4.5	4.2	4.2	4.0	4.0	4.2	4.5	4.4	4.3
80%	4.1	3.9	4.1	4.2	4.2	4.0	4.0	4.0	4.1	4.5	4.3	4.2
90%	4.0	3.9	4.1	4.1	4.0	3.9	3.8	3.9	4.1	4.4	4.3	4.1
Long Term												
Full Simulation Period[a]	4.2	4.5	5.0	5.2	5.3	5.1	4.5	4.3	4.3	4.6	4.5	4.4
Water Year Types[b]												
Wet (31%)	4.4	5.4	7.0	6.2	7.2	7.0	5.8	4.7	4.6	4.8	4.7	4.9
Above Normal (25%)	3.9	4.0	4.6	6.8	6.7	5.9	4.3	4.3	4.2	4.5	4.5	4.3
Below Normal (6%)	4.1	4.2	4.1	4.9	4.7	4.5	4.1	4.1	4.2	4.3	4.3	4.2
Dry (13%)	4.2	4.2	4.4	4.4	4.3	4.5	4.1	4.2	4.4	4.6	4.5	4.3
Critical (25%)	4.1	4.2	4.3	4.3	4.2	4.0	3.9	4.0	4.2	4.5	4.4	4.3

Alternative 6A,6B,6C (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.8	0.3	**-0.1**	**-0.3**	**-0.6**	**-0.5**	0.0	0.4	0.8	0.7	0.8	0.9
20%	1.0	0.4	0.7	0.1	**-0.3**	**0.0**	0.7	0.8	0.8	0.7	0.7	1.2
30%	1.0	0.9	0.8	0.5	0.1	**0.0**	0.8	0.8	0.8	0.7	0.9	0.9
40%	1.0	0.9	0.8	0.6	0.1	0.2	0.9	0.8	0.8	0.7	0.9	1.0
50%	1.0	0.9	0.8	0.6	0.6	0.2	0.8	0.8	0.8	0.7	0.9	1.0
60%	0.9	0.9	0.8	0.8	1.1	0.3	0.8	0.9	0.8	0.7	0.8	1.1
70%	1.0	1.0	0.8	0.9	0.9	0.7	0.9	0.9	0.9	0.7	0.8	1.0
80%	1.0	0.9	0.8	0.9	0.9	0.9	0.9	0.9	0.8	0.7	0.8	1.0
90%	1.0	1.0	1.0	0.9	1.0	0.9	1.0	1.1	0.9	0.8	0.9	1.0
Long Term												
Full Simulation Period[a]	0.9	0.7	0.7	0.5	0.4	0.3	0.7	0.7	0.7	0.7	0.8	0.9
Water Year Types[b]												
Wet (31%)	0.9	0.3	0.2	0.1	**-0.2**	**-0.3**	0.3	0.1	0.2	0.6	0.8	0.9
Above Normal (25%)	1.0	0.9	0.9	**-0.3**	**-0.2**	**0.0**	0.4	0.7	0.7	0.8	0.9	1.0
Below Normal (6%)	0.9	1.0	1.0	0.7	**0.0**	0.3	0.9	0.7	0.9	0.7	0.8	1.0
Dry (13%)	1.0	0.8	0.8	0.8	0.8	0.4	0.9	0.9	0.8	0.7	0.7	0.9
Critical (25%)	1.0	0.9	0.8	0.8	0.9	0.8	0.9	1.1	0.9	0.7	0.9	1.0

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-31-1-11. Sacramento River d/s of Georgiana Slough, Monthly Averaged Daily Maximum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3.6	5.2	7.4	7.1	8.3	7.7	5.7	4.2	3.8	4.2	3.9	3.9
20%	3.3	4.5	4.0	6.3	7.5	6.5	3.7	3.5	3.6	4.0	3.9	3.5
30%	3.2	3.4	3.9	5.1	5.4	5.4	3.5	3.5	3.6	4.0	3.7	3.5
40%	3.2	3.3	3.8	4.2	4.6	4.4	3.3	3.4	3.5	3.9	3.7	3.4
50%	3.2	3.3	3.6	4.1	4.0	4.2	3.2	3.3	3.4	3.9	3.6	3.4
60%	3.2	3.3	3.5	3.8	3.5	4.1	3.2	3.1	3.4	3.9	3.6	3.3
70%	3.1	3.2	3.5	3.6	3.4	3.5	3.1	3.1	3.3	3.8	3.6	3.3
80%	3.0	3.0	3.3	3.3	3.3	3.1	3.0	3.1	3.3	3.8	3.5	3.3
90%	3.0	2.9	3.1	3.2	3.0	3.0	2.9	2.8	3.2	3.6	3.4	3.2
Long Term												
Full Simulation Period[a]	3.2	3.7	4.3	4.7	4.9	4.8	3.8	3.5	3.6	3.9	3.7	3.5
Water Year Types[b]												
Wet (31%)	3.5	5.1	6.8	6.1	7.4	7.3	5.4	4.5	4.4	4.2	3.9	4.0
Above Normal (25%)	3.0	3.1	3.7	7.1	6.9	6.0	3.9	3.6	3.4	3.7	3.6	3.4
Below Normal (6%)	3.2	3.2	3.1	4.2	4.8	4.2	3.2	3.4	3.3	3.6	3.5	3.3
Dry (13%)	3.2	3.4	3.6	3.6	3.5	4.1	3.2	3.3	3.6	3.9	3.8	3.4
Critical (25%)	3.2	3.2	3.5	3.5	3.2	3.2	3.0	2.9	3.3	3.8	3.5	3.3

Alternative 7 (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.4	5.4	7.6	7.1	8.1	7.4	5.8	4.6	4.6	4.9	4.7	4.9
20%	4.3	4.8	4.8	6.7	7.3	6.6	4.4	4.3	4.5	4.8	4.6	4.8
30%	4.2	4.3	4.7	5.5	5.6	5.4	4.3	4.3	4.5	4.7	4.6	4.4
40%	4.2	4.3	4.6	4.7	4.7	4.6	4.2	4.2	4.4	4.7	4.5	4.3
50%	4.2	4.2	4.5	4.7	4.6	4.5	4.1	4.2	4.4	4.7	4.5	4.3
60%	4.1	4.2	4.3	4.5	4.6	4.4	4.0	4.1	4.3	4.6	4.4	4.3
70%	4.1	4.2	4.3	4.5	4.3	4.2	4.0	4.1	4.2	4.5	4.4	4.3
80%	4.1	4.0	4.1	4.2	4.2	4.0	4.0	4.0	4.2	4.5	4.4	4.2
90%	4.0	3.9	4.1	4.1	4.0	3.9	3.9	3.9	4.2	4.4	4.3	4.1
Long Term												
Full Simulation Period[a]	4.2	4.5	5.1	5.2	5.4	5.2	4.5	4.3	4.4	4.7	4.5	4.4
Water Year Types[b]												
Wet (31%)	4.4	5.4	7.2	6.2	7.4	7.1	5.8	4.7	4.7	4.9	4.7	5.0
Above Normal (25%)	3.9	4.1	4.6	7.1	7.1	5.9	4.4	4.3	4.3	4.5	4.5	4.4
Below Normal (6%)	4.1	4.2	4.1	4.9	4.8	4.5	4.1	4.1	4.2	4.4	4.3	4.2
Dry (13%)	4.2	4.2	4.4	4.4	4.3	4.6	4.1	4.2	4.4	4.7	4.5	4.2
Critical (25%)	4.1	4.2	4.3	4.3	4.2	4.0	3.9	4.1	4.3	4.5	4.4	4.2

Alternative 7 (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.8	0.2	0.2	**0.0**	**-0.2**	**-0.3**	0.1	0.5	0.8	0.8	0.8	1.0
20%	1.0	0.3	0.8	0.4	**-0.2**	0.0	0.7	0.8	0.9	0.8	0.8	1.3
30%	1.0	0.9	0.8	0.4	0.2	**0.0**	0.8	0.8	0.9	0.8	0.9	0.9
40%	1.0	1.0	0.8	0.5	0.2	0.2	0.9	0.8	0.9	0.7	0.9	0.9
50%	1.0	0.9	0.8	0.6	0.6	0.3	0.8	0.9	0.9	0.8	0.9	0.9
60%	1.0	0.9	0.8	0.8	1.1	0.3	0.9	1.0	1.0	0.8	0.9	0.9
70%	1.0	1.0	0.8	0.9	0.9	0.7	0.9	0.9	0.9	0.7	0.8	1.0
80%	1.0	1.0	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.7	0.9	1.0
90%	1.0	1.0	1.0	1.0	1.0	0.9	1.0	1.1	1.0	0.8	0.9	1.0
Long Term												
Full Simulation Period[a]	0.9	0.8	0.7	0.5	0.5	0.3	0.7	0.8	0.8	0.7	0.8	0.9
Water Year Types[b]												
Wet (31%)	0.9	0.3	0.3	0.2	**0.0**	**-0.2**	0.4	0.2	0.3	0.7	0.8	1.0
Above Normal (25%)	1.0	0.9	0.9	**0.0**	0.1	**0.0**	0.4	0.7	0.9	0.8	0.9	1.0
Below Normal (6%)	0.9	1.0	1.0	0.7	**0.0**	0.4	0.9	0.7	0.9	0.7	0.8	0.9
Dry (13%)	1.0	0.8	0.8	0.8	0.8	0.5	0.9	0.9	0.8	0.8	0.8	0.8
Critical (25%)	1.0	1.0	0.8	0.8	0.9	0.8	0.9	1.1	1.0	0.7	0.9	1.0

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-31-1-12. Sacramento River d/s of Georgiana Slough, Monthly Averaged Daily Maximum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3.6	5.2	7.4	7.1	8.3	7.7	5.7	4.2	3.8	4.2	3.9	3.9
20%	3.3	4.5	4.0	6.3	7.5	6.5	3.7	3.5	3.6	4.0	3.9	3.5
30%	3.2	3.4	3.9	5.1	5.4	5.4	3.5	3.5	3.6	4.0	3.7	3.5
40%	3.2	3.3	3.8	4.2	4.6	4.4	3.3	3.4	3.5	3.9	3.7	3.4
50%	3.2	3.3	3.6	4.1	4.0	4.2	3.2	3.3	3.4	3.9	3.6	3.4
60%	3.2	3.3	3.5	3.8	3.5	4.1	3.2	3.1	3.4	3.9	3.6	3.3
70%	3.1	3.2	3.5	3.6	3.4	3.5	3.1	3.1	3.3	3.8	3.6	3.3
80%	3.0	3.0	3.3	3.3	3.3	3.1	3.0	3.1	3.3	3.8	3.5	3.3
90%	3.0	2.9	3.1	3.2	3.0	3.0	2.9	2.8	3.2	3.6	3.4	3.2
Long Term												
Full Simulation Period[a]	3.2	3.7	4.3	4.7	4.9	4.8	3.8	3.5	3.6	3.9	3.7	3.5
Water Year Types[b]												
Wet (31%)	3.5	5.1	6.8	6.1	7.4	7.3	5.4	4.5	4.4	4.2	3.9	4.0
Above Normal (25%)	3.0	3.1	3.7	7.1	6.9	6.0	3.9	3.6	3.4	3.7	3.6	3.4
Below Normal (6%)	3.2	3.2	3.1	4.2	4.8	4.2	3.2	3.4	3.3	3.6	3.5	3.3
Dry (13%)	3.2	3.4	3.6	3.6	3.5	4.1	3.2	3.3	3.6	3.9	3.8	3.4
Critical (25%)	3.2	3.2	3.5	3.5	3.2	3.2	3.0	2.9	3.3	3.8	3.5	3.3

Alternative 8 (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.4	5.5	7.6	7.1	8.1	7.4	6.0	4.7	4.6	4.8	4.6	4.9
20%	4.2	4.9	4.7	6.7	7.3	6.5	4.5	4.4	4.5	4.6	4.5	4.8
30%	4.2	4.3	4.7	5.6	5.9	5.6	4.4	4.4	4.4	4.6	4.5	4.3
40%	4.1	4.3	4.6	5.0	4.7	4.8	4.2	4.3	4.4	4.6	4.5	4.3
50%	4.0	4.2	4.5	4.8	4.7	4.6	4.2	4.3	4.4	4.6	4.5	4.3
60%	4.0	4.2	4.3	4.6	4.6	4.5	4.1	4.2	4.3	4.5	4.4	4.3
70%	4.0	4.1	4.3	4.5	4.3	4.3	4.1	4.2	4.2	4.4	4.3	4.2
80%	3.9	3.9	4.1	4.2	4.2	4.1	4.0	4.1	4.2	4.4	4.3	4.1
90%	3.9	3.9	4.1	4.1	4.1	4.0	4.0	4.1	4.2	4.3	4.3	4.1
Long Term												
Full Simulation Period[a]	4.1	4.5	5.1	5.3	5.5	5.3	4.6	4.4	4.4	4.6	4.5	4.4
Water Year Types[b]												
Wet (31%)	4.3	5.5	7.2	6.3	7.4	7.1	5.9	4.9	4.7	4.8	4.6	4.9
Above Normal (25%)	3.9	4.0	4.6	7.2	7.1	6.0	4.5	4.4	4.3	4.4	4.4	4.3
Below Normal (6%)	4.0	4.1	4.1	5.0	5.1	4.7	4.1	4.2	4.2	4.2	4.2	4.1
Dry (13%)	4.0	4.2	4.4	4.5	4.4	4.7	4.2	4.2	4.4	4.6	4.5	4.2
Critical (25%)	4.0	4.1	4.3	4.4	4.2	4.1	4.0	4.1	4.2	4.5	4.4	4.2

Alternative 8 (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.8	0.3	0.2	0.0	**-0.2**	**-0.3**	0.2	0.5	0.8	0.6	0.7	1.0
20%	0.9	0.4	0.7	0.4	**-0.2**	0.0	0.8	0.9	0.8	0.6	0.7	1.2
30%	0.9	0.9	0.8	0.4	0.5	0.2	0.9	0.9	0.8	0.7	0.9	0.9
40%	0.9	0.9	0.8	0.8	0.1	0.3	1.0	0.9	0.9	0.7	0.8	0.9
50%	0.8	0.9	0.8	0.7	0.7	0.4	0.9	0.9	0.9	0.7	0.8	0.9
60%	0.8	0.9	0.8	0.8	1.1	0.4	0.9	1.1	1.0	0.7	0.8	1.0
70%	0.9	1.0	0.8	0.9	0.9	0.8	1.0	1.0	0.9	0.6	0.7	1.0
80%	0.9	0.9	0.8	0.9	0.9	1.0	1.0	1.0	0.8	0.7	0.8	0.9
90%	0.9	1.0	1.0	1.0	1.1	1.0	1.1	1.2	0.9	0.7	0.8	0.9
Long Term												
Full Simulation Period[a]	0.9	0.8	0.7	0.6	0.5	0.4	0.8	0.9	0.8	0.6	0.8	0.9
Water Year Types[b]												
Wet (31%)	0.8	0.5	0.4	0.3	**-0.1**	**-0.2**	0.4	0.3	0.3	0.6	0.7	0.9
Above Normal (25%)	1.0	0.9	0.9	0.1	0.2	0.0	0.5	0.8	0.8	0.7	0.8	1.0
Below Normal (6%)	0.8	1.0	1.0	0.8	0.3	0.5	0.9	0.9	0.8	0.6	0.7	0.8
Dry (13%)	0.9	0.8	0.8	0.8	0.9	0.6	1.0	0.9	0.8	0.6	0.7	0.8
Critical (25%)	0.9	0.9	0.8	0.8	1.0	0.9	1.0	1.2	1.0	0.7	0.9	0.9

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-31-1-13. Sacramento River d/s of Georgiana Slough, Monthly Averaged Daily Maximum Elevation

Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3.6	5.2	7.4	7.1	8.3	7.7	5.7	4.2	3.8	4.2	3.9	3.9
20%	3.3	4.5	4.0	6.3	7.5	6.5	3.7	3.5	3.6	4.0	3.9	3.5
30%	3.2	3.4	3.9	5.1	5.4	5.4	3.5	3.5	3.6	4.0	3.7	3.5
40%	3.2	3.3	3.8	4.2	4.6	4.4	3.3	3.4	3.5	3.9	3.7	3.4
50%	3.2	3.3	3.6	4.1	4.0	4.2	3.2	3.3	3.4	3.9	3.6	3.4
60%	3.2	3.3	3.5	3.8	3.5	4.1	3.2	3.1	3.4	3.9	3.6	3.3
70%	3.1	3.2	3.5	3.6	3.4	3.5	3.1	3.1	3.3	3.8	3.6	3.3
80%	3.0	3.0	3.3	3.3	3.3	3.1	3.0	3.1	3.3	3.8	3.5	3.3
90%	3.0	2.9	3.1	3.2	3.0	3.0	2.9	2.8	3.2	3.6	3.4	3.2
Long Term												
Full Simulation Period[a]	3.2	3.7	4.3	4.7	4.9	4.8	3.8	3.5	3.6	3.9	3.7	3.5
Water Year Types[b]												
Wet (31%)	3.5	5.1	6.8	6.1	7.4	7.3	5.4	4.5	4.4	4.2	3.9	4.0
Above Normal (25%)	3.0	3.1	3.7	7.1	6.9	6.0	3.9	3.6	3.4	3.7	3.6	3.4
Below Normal (6%)	3.2	3.2	3.1	4.2	4.8	4.2	3.2	3.4	3.3	3.6	3.5	3.3
Dry (13%)	3.2	3.4	3.6	3.6	3.5	4.1	3.2	3.3	3.6	3.9	3.8	3.4
Critical (25%)	3.2	3.2	3.5	3.5	3.2	3.2	3.0	2.9	3.3	3.8	3.5	3.3

Alternative 9 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.4	5.5	8.2	8.1	9.3	8.5	6.4	4.8	4.6	4.9	4.8	5.2
20%	4.3	4.8	4.6	7.5	8.5	7.5	4.4	4.3	4.5	4.8	4.7	5.0
30%	4.3	4.4	4.6	5.8	6.1	6.0	4.3	4.2	4.5	4.8	4.6	4.4
40%	4.1	4.3	4.5	4.8	5.1	4.9	4.1	4.2	4.4	4.7	4.6	4.4
50%	4.1	4.2	4.4	4.8	4.6	4.7	4.0	4.2	4.3	4.7	4.6	4.3
60%	4.1	4.2	4.3	4.5	4.2	4.4	4.0	4.1	4.3	4.7	4.5	4.3
70%	4.0	4.1	4.3	4.4	4.2	4.2	4.0	4.1	4.3	4.6	4.5	4.3
80%	4.0	3.9	4.1	4.1	4.1	4.0	4.0	4.0	4.2	4.5	4.4	4.2
90%	4.0	3.9	4.1	4.0	3.9	3.9	3.8	3.9	4.2	4.4	4.3	4.1
Long Term												
Full Simulation Period[a]	4.2	4.6	5.2	5.5	5.7	5.5	4.6	4.3	4.4	4.7	4.6	4.5
Water Year Types[b]												
Wet (31%)	4.4	5.6	7.7	6.9	8.4	8.0	6.3	4.8	4.8	4.9	4.8	5.2
Above Normal (25%)	3.9	4.0	4.5	8.0	8.0	6.7	4.5	4.2	4.2	4.6	4.5	4.4
Below Normal (6%)	4.1	4.3	4.1	4.9	5.1	4.7	4.0	4.0	4.3	4.4	4.4	4.2
Dry (13%)	4.2	4.2	4.3	4.4	4.3	4.7	4.1	4.3	4.5	4.7	4.6	4.3
Critical (25%)	4.1	4.2	4.3	4.3	4.1	4.0	3.9	4.0	4.2	4.6	4.4	4.2

Alternative 9 (LLT) minus Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.8	0.3	0.8	1.0	0.9	0.8	0.6	0.6	0.8	0.7	0.8	1.3
20%	1.0	0.4	0.6	1.2	0.9	0.9	0.7	0.8	0.9	0.8	0.8	1.5
30%	1.0	1.0	0.7	0.7	0.8	0.6	0.8	0.8	0.9	0.8	1.0	0.9
40%	0.9	1.0	0.7	0.6	0.5	0.4	0.8	0.7	0.9	0.8	0.9	0.9
50%	0.9	0.9	0.8	0.7	0.6	0.5	0.8	0.8	0.9	0.8	1.0	0.9
60%	0.9	0.9	0.8	0.7	0.7	0.4	0.8	1.0	0.9	0.8	0.9	1.0
70%	1.0	1.0	0.8	0.8	0.8	0.7	0.8	1.0	0.9	0.8	0.9	1.0
80%	1.0	1.0	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.8	0.9	1.0
90%	1.0	1.0	1.0	0.9	0.9	0.9	0.9	1.0	0.9	0.8	0.9	1.0
Long Term												
Full Simulation Period[a]	0.9	0.8	0.8	0.8	0.8	0.7	0.8	0.8	0.8	0.8	0.9	1.0
Water Year Types[b]												
Wet (31%)	0.9	0.5	0.9	0.9	0.9	0.7	0.9	0.3	0.4	0.7	0.9	1.2
Above Normal (25%)	0.9	0.9	0.8	0.9	1.0	0.7	0.6	0.6	0.8	0.9	1.0	1.1
Below Normal (6%)	0.9	1.1	1.0	0.7	0.3	0.5	0.8	0.6	0.9	0.7	0.8	1.0
Dry (13%)	1.0	0.8	0.8	0.7	0.8	0.6	0.8	1.0	0.9	0.8	0.8	0.9
Critical (25%)	0.9	1.0	0.8	0.8	0.8	0.8	0.9	1.1	1.0	0.8	0.9	1.0

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-31-1-14. Sacramento River d/s of Georgiana Slough, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.9	5.9	8.4	8.3	9.2	8.5	6.8	5.4	5.3	5.6	5.4	5.7
20%	4.8	5.3	5.3	7.8	8.5	7.8	5.1	5.0	5.1	5.6	5.3	5.4
30%	4.7	5.0	5.3	6.5	6.7	6.6	4.9	4.9	5.0	5.5	5.2	5.0
40%	4.7	4.8	5.3	5.5	5.7	5.5	4.7	4.8	5.0	5.5	5.2	4.9
50%	4.7	4.7	5.0	5.5	5.3	5.4	4.6	4.6	4.9	5.5	5.1	4.8
60%	4.6	4.7	4.9	5.2	4.9	5.1	4.6	4.6	4.9	5.4	5.1	4.8
70%	4.6	4.6	4.8	5.1	4.8	4.8	4.5	4.6	4.8	5.4	5.0	4.8
80%	4.5	4.5	4.7	5.0	4.7	4.5	4.5	4.5	4.8	5.2	4.9	4.8
90%	4.5	4.4	4.7	4.6	4.5	4.4	4.3	4.4	4.8	5.1	4.8	4.6
Long Term												
Full Simulation Period[a]	4.7	5.0	5.7	6.0	6.2	6.0	5.1	4.8	5.0	5.4	5.1	5.0
Water Year Types[b]												
Wet (31%)	4.9	6.0	7.9	7.4	8.5	8.1	6.6	5.3	5.4	5.6	5.4	5.7
Above Normal (25%)	4.5	4.6	5.1	8.2	8.2	7.2	5.1	4.8	4.8	5.4	5.1	5.0
Below Normal (6%)	4.7	4.8	4.8	5.6	5.7	5.3	4.6	4.6	4.9	5.0	4.9	4.8
Dry (13%)	4.7	4.8	5.0	5.0	4.9	5.3	4.6	4.8	5.0	5.5	5.2	4.8
Critical (25%)	4.7	4.7	4.8	5.0	4.6	4.5	4.4	4.5	4.8	5.2	4.9	4.7

Alternative 1A,1B,1C (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.5	5.2	7.2	6.8	8.1	7.4	5.8	4.7	4.7	5.0	4.6	4.6
20%	4.5	4.8	4.7	6.3	7.2	6.6	4.4	4.4	4.5	4.7	4.6	4.4
30%	4.4	4.4	4.7	5.6	5.4	5.5	4.3	4.3	4.5	4.7	4.6	4.4
40%	4.4	4.2	4.7	4.9	4.7	4.6	4.2	4.2	4.4	4.7	4.6	4.3
50%	4.2	4.2	4.5	4.7	4.6	4.4	4.1	4.2	4.3	4.7	4.5	4.3
60%	4.1	4.2	4.4	4.5	4.3	4.4	4.1	4.2	4.3	4.7	4.4	4.3
70%	4.1	4.1	4.3	4.4	4.3	4.2	4.1	4.1	4.2	4.5	4.4	4.3
80%	4.1	3.9	4.2	4.2	4.2	4.0	4.0	4.1	4.2	4.4	4.3	4.1
90%	4.0	3.9	4.1	4.1	4.1	3.9	3.9	3.9	4.2	4.3	4.2	4.1
Long Term												
Full Simulation Period[a]	4.2	4.4	5.0	5.2	5.4	5.2	4.5	4.3	4.4	4.6	4.5	4.4
Water Year Types[b]												
Wet (31%)	4.4	5.4	7.0	6.3	7.3	7.1	5.8	4.7	4.7	4.8	4.7	4.7
Above Normal (25%)	4.1	4.0	4.6	6.7	7.2	6.1	4.3	4.2	4.3	4.5	4.4	4.2
Below Normal (6%)	4.5	4.2	4.2	4.9	4.7	4.5	4.0	4.1	4.2	4.2	4.2	4.1
Dry (13%)	4.1	4.2	4.5	4.5	4.3	4.6	4.1	4.3	4.4	4.7	4.5	4.3
Critical (25%)	4.3	4.1	4.3	4.3	4.2	4.0	4.0	4.0	4.2	4.5	4.3	4.2

Alternative 1A,1B,1C (LLT) minus No Action Alternative (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	**-0.4**	**-0.7**	**-1.2**	**-1.5**	**-1.1**	**-1.1**	**-1.0**	**-0.7**	**-0.6**	**-0.6**	**-0.7**	**-1.1**
20%	**-0.3**	**-0.5**	**-0.6**	**-1.5**	**-1.4**	**-1.2**	**-0.7**	**-0.6**	**-0.6**	**-0.8**	**-0.6**	**-0.9**
30%	**-0.4**	**-0.6**	**-0.6**	**-0.8**	**-1.3**	**-1.0**	**-0.6**	**-0.6**	**-0.6**	**-0.8**	**-0.7**	**-0.6**
40%	**-0.3**	**-0.6**	**-0.6**	**-0.6**	**-1.0**	**-0.9**	**-0.5**	**-0.5**	**-0.6**	**-0.8**	**-0.6**	**-0.5**
50%	**-0.5**	**-0.6**	**-0.5**	**-0.7**	**-0.7**	**-1.0**	**-0.5**	**-0.4**	**-0.6**	**-0.8**	**-0.6**	**-0.5**
60%	**-0.5**	**-0.5**	**-0.5**	**-0.6**	**-0.5**	**-0.7**	**-0.5**	**-0.4**	**-0.6**	**-0.8**	**-0.7**	**-0.5**
70%	**-0.5**	**-0.5**	**-0.5**	**-0.7**	**-0.5**	**-0.6**	**-0.5**	**-0.4**	**-0.6**	**-0.9**	**-0.6**	**-0.5**
80%	**-0.4**	**-0.6**	**-0.6**	**-0.8**	**-0.5**	**-0.5**	**-0.4**	**-0.5**	**-0.6**	**-0.8**	**-0.7**	**-0.6**
90%	**-0.5**	**-0.5**	**-0.5**	**-0.5**	**-0.4**	**-0.5**	**-0.5**	**-0.4**	**-0.6**	**-0.8**	**-0.6**	**-0.5**
Long Term												
Full Simulation Period[a]	**-0.5**	**-0.6**	**-0.6**	**-0.8**	**-0.8**	**-0.8**	**-0.6**	**-0.5**	**-0.6**	**-0.8**	**-0.7**	**-0.7**
Water Year Types[b]												
Wet (31%)	**-0.6**	**-0.6**	**-1.0**	**-1.1**	**-1.1**	**-1.0**	**-0.8**	**-0.6**	**-0.7**	**-0.8**	**-0.7**	**-1.0**
Above Normal (25%)	**-0.4**	**-0.6**	**-0.6**	**-1.4**	**-1.0**	**-1.1**	**-0.8**	**-0.6**	**-0.6**	**-0.8**	**-0.7**	**-0.8**
Below Normal (6%)	**-0.2**	**-0.7**	**-0.6**	**-0.7**	**-1.0**	**-0.9**	**-0.6**	**-0.5**	**-0.7**	**-0.9**	**-0.7**	**-0.6**
Dry (13%)	**-0.6**	**-0.6**	**-0.5**	**-0.5**	**-0.6**	**-0.8**	**-0.5**	**-0.5**	**-0.6**	**-0.7**	**-0.6**	**-0.5**
Critical (25%)	**-0.4**	**-0.6**	**-0.5**	**-0.6**	**-0.4**	**-0.5**	**-0.5**	**-0.4**	**-0.6**	**-0.7**	**-0.6**	**-0.5**

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-31-1-15. Sacramento River d/s of Georgiana Slough, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.9	5.9	8.4	8.3	9.2	8.5	6.8	5.4	5.3	5.6	5.4	5.7
20%	4.8	5.3	5.3	7.8	8.5	7.8	5.1	5.0	5.1	5.6	5.3	5.4
30%	4.7	5.0	5.3	6.5	6.7	6.6	4.9	4.9	5.0	5.5	5.2	5.0
40%	4.7	4.8	5.3	5.5	5.7	5.5	4.7	4.8	5.0	5.5	5.2	4.9
50%	4.7	4.7	5.0	5.5	5.3	5.4	4.6	4.6	4.9	5.5	5.1	4.8
60%	4.6	4.7	4.9	5.2	4.9	5.1	4.6	4.6	4.9	5.4	5.1	4.8
70%	4.6	4.6	4.8	5.1	4.8	4.8	4.5	4.6	4.8	5.4	5.0	4.8
80%	4.5	4.5	4.7	5.0	4.7	4.5	4.5	4.5	4.8	5.2	4.9	4.8
90%	4.5	4.4	4.7	4.6	4.5	4.4	4.3	4.4	4.8	5.1	4.8	4.6
Long Term												
Full Simulation Period[a]	4.7	5.0	5.7	6.0	6.2	6.0	5.1	4.8	5.0	5.4	5.1	5.0
Water Year Types[b]												
Wet (31%)	4.9	6.0	7.9	7.4	8.5	8.1	6.6	5.3	5.4	5.6	5.4	5.7
Above Normal (25%)	4.5	4.6	5.1	8.2	8.2	7.2	5.1	4.8	4.8	5.4	5.1	5.0
Below Normal (6%)	4.7	4.8	4.8	5.6	5.7	5.3	4.6	4.6	4.9	5.0	4.9	4.8
Dry (13%)	4.7	4.8	5.0	5.0	4.9	5.3	4.6	4.8	5.0	5.5	5.2	4.8
Critical (25%)	4.7	4.7	4.8	5.0	4.6	4.5	4.4	4.5	4.8	5.2	4.9	4.7

Alternative 2A,2B,2C (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.4	5.1	7.0	6.8	7.9	7.3	5.8	4.7	4.7	5.0	4.6	4.9
20%	4.3	4.7	4.7	6.3	7.2	6.5	4.4	4.4	4.5	4.8	4.6	4.8
30%	4.3	4.3	4.7	5.6	5.4	5.3	4.3	4.3	4.5	4.7	4.6	4.4
40%	4.2	4.2	4.7	4.7	4.6	4.6	4.2	4.2	4.4	4.7	4.5	4.3
50%	4.2	4.2	4.5	4.7	4.6	4.4	4.1	4.2	4.3	4.7	4.5	4.3
60%	4.1	4.2	4.4	4.5	4.3	4.4	4.0	4.1	4.3	4.6	4.4	4.3
70%	4.1	4.1	4.3	4.5	4.2	4.2	4.0	4.1	4.3	4.5	4.4	4.3
80%	4.0	4.0	4.2	4.4	4.2	4.0	4.0	4.1	4.2	4.5	4.3	4.2
90%	4.0	3.9	4.1	4.2	4.0	3.9	3.8	3.9	4.2	4.3	4.3	4.1
Long Term												
Full Simulation Period[a]	4.2	4.4	5.0	5.2	5.3	5.1	4.5	4.3	4.4	4.6	4.5	4.4
Water Year Types[b]												
Wet (31%)	4.4	5.3	6.9	6.3	7.3	7.0	5.8	4.7	4.7	4.8	4.7	5.0
Above Normal (25%)	4.0	4.0	4.6	6.6	6.9	6.1	4.3	4.3	4.2	4.6	4.4	4.3
Below Normal (6%)	4.1	4.1	4.2	4.9	4.6	4.4	4.1	4.1	4.3	4.2	4.2	4.1
Dry (13%)	4.1	4.2	4.4	4.4	4.3	4.4	4.1	4.3	4.5	4.7	4.5	4.3
Critical (25%)	4.2	4.1	4.4	4.4	4.1	4.0	3.9	4.0	4.2	4.5	4.3	4.2

Alternative 2A,2B,2C (LLT) minus No Action Alternative (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	**-0.5**	**-0.7**	**-1.3**	**-1.6**	**-1.3**	**-1.2**	**-1.0**	**-0.7**	**-0.6**	**-0.6**	**-0.7**	**-0.8**
20%	**-0.5**	**-0.6**	**-0.6**	**-1.5**	**-1.3**	**-1.2**	**-0.7**	**-0.5**	**-0.6**	**-0.8**	**-0.7**	**-0.6**
30%	**-0.4**	**-0.7**	**-0.6**	**-0.9**	**-1.3**	**-1.3**	**-0.5**	**-0.6**	**-0.6**	**-0.8**	**-0.7**	**-0.6**
40%	**-0.5**	**-0.6**	**-0.6**	**-0.8**	**-1.0**	**-0.9**	**-0.5**	**-0.5**	**-0.6**	**-0.8**	**-0.7**	**-0.6**
50%	**-0.5**	**-0.6**	**-0.5**	**-0.8**	**-0.7**	**-1.0**	**-0.6**	**-0.4**	**-0.6**	**-0.8**	**-0.6**	**-0.5**
60%	**-0.5**	**-0.5**	**-0.5**	**-0.6**	**-0.5**	**-0.7**	**-0.5**	**-0.4**	**-0.6**	**-0.8**	**-0.7**	**-0.5**
70%	**-0.5**	**-0.5**	**-0.5**	**-0.6**	**-0.5**	**-0.6**	**-0.5**	**-0.5**	**-0.6**	**-0.9**	**-0.6**	**-0.5**
80%	**-0.5**	**-0.6**	**-0.6**	**-0.6**	**-0.5**	**-0.5**	**-0.5**	**-0.5**	**-0.6**	**-0.8**	**-0.6**	**-0.5**
90%	**-0.6**	**-0.5**	**-0.6**	**-0.4**	**-0.4**	**-0.5**	**-0.5**	**-0.4**	**-0.6**	**-0.8**	**-0.6**	**-0.5**
Long Term												
Full Simulation Period[a]	**-0.5**	**-0.6**	**-0.7**	**-0.8**	**-0.8**	**-0.9**	**-0.6**	**-0.5**	**-0.6**	**-0.8**	**-0.7**	**-0.6**
Water Year Types[b]												
Wet (31%)	**-0.5**	**-0.8**	**-1.0**	**-1.1**	**-1.2**	**-1.1**	**-0.8**	**-0.7**	**-0.7**	**-0.8**	**-0.7**	**-0.7**
Above Normal (25%)	**-0.4**	**-0.6**	**-0.6**	**-1.6**	**-1.3**	**-1.1**	**-0.8**	**-0.6**	**-0.6**	**-0.8**	**-0.7**	**-0.7**
Below Normal (6%)	**-0.6**	**-0.7**	**-0.6**	**-0.7**	**-1.0**	**-0.9**	**-0.5**	**-0.5**	**-0.6**	**-0.8**	**-0.7**	**-0.7**
Dry (13%)	**-0.5**	**-0.6**	**-0.6**	**-0.6**	**-0.6**	**-0.9**	**-0.5**	**-0.5**	**-0.6**	**-0.8**	**-0.7**	**-0.5**
Critical (25%)	**-0.5**	**-0.5**	**-0.5**	**-0.6**	**-0.5**	**-0.5**	**-0.5**	**-0.4**	**-0.6**	**-0.7**	**-0.6**	**-0.5**

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-31-1-16. Sacramento River d/s of Georgiana Slough, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.9	5.9	8.4	8.3	9.2	8.5	6.8	5.4	5.3	5.6	5.4	5.7
20%	4.8	5.3	5.3	7.8	8.5	7.8	5.1	5.0	5.1	5.6	5.3	5.4
30%	4.7	5.0	5.3	6.5	6.7	6.6	4.9	4.9	5.0	5.5	5.2	5.0
40%	4.7	4.8	5.3	5.5	5.7	5.5	4.7	4.8	5.0	5.5	5.2	4.9
50%	4.7	4.7	5.0	5.5	5.3	5.4	4.6	4.6	4.9	5.5	5.1	4.8
60%	4.6	4.7	4.9	5.2	4.9	5.1	4.6	4.6	4.9	5.4	5.1	4.8
70%	4.6	4.6	4.8	5.1	4.8	4.8	4.5	4.6	4.8	5.4	5.0	4.8
80%	4.5	4.5	4.7	5.0	4.7	4.5	4.5	4.5	4.8	5.2	4.9	4.8
90%	4.5	4.4	4.7	4.6	4.5	4.4	4.3	4.4	4.8	5.1	4.8	4.6
Long Term												
Full Simulation Period[a]	4.7	5.0	5.7	6.0	6.2	6.0	5.1	4.8	5.0	5.4	5.1	5.0
Water Year Types[b]												
Wet (31%)	4.9	6.0	7.9	7.4	8.5	8.1	6.6	5.3	5.4	5.6	5.4	5.7
Above Normal (25%)	4.5	4.6	5.1	8.2	8.2	7.2	5.1	4.8	4.8	5.4	5.1	5.0
Below Normal (6%)	4.7	4.8	4.8	5.6	5.7	5.3	4.6	4.6	4.9	5.0	4.9	4.8
Dry (13%)	4.7	4.8	5.0	5.0	4.9	5.3	4.6	4.8	5.0	5.5	5.2	4.8
Critical (25%)	4.7	4.7	4.8	5.0	4.6	4.5	4.4	4.5	4.8	5.2	4.9	4.7

Alternative 3 (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.6	5.3	7.7	7.4	8.4	7.7	6.0	4.7	4.7	5.0	4.7	4.6
20%	4.5	4.8	4.7	6.9	7.6	6.8	4.4	4.5	4.6	4.7	4.6	4.4
30%	4.4	4.2	4.7	5.6	5.8	5.6	4.3	4.3	4.4	4.7	4.6	4.4
40%	4.3	4.2	4.7	4.9	4.8	4.7	4.2	4.2	4.4	4.7	4.5	4.3
50%	4.2	4.1	4.4	4.7	4.6	4.6	4.1	4.2	4.3	4.7	4.5	4.3
60%	4.1	4.1	4.4	4.5	4.3	4.4	4.1	4.1	4.3	4.6	4.4	4.3
70%	4.1	4.1	4.3	4.4	4.3	4.3	4.0	4.1	4.2	4.5	4.4	4.3
80%	4.1	4.0	4.2	4.3	4.2	4.0	4.0	4.1	4.2	4.4	4.3	4.2
90%	4.0	3.9	4.1	4.2	4.0	3.9	3.8	3.9	4.2	4.3	4.2	4.1
Long Term												
Full Simulation Period[a]	4.3	4.5	5.1	5.3	5.5	5.3	4.6	4.3	4.4	4.6	4.5	4.4
Water Year Types[b]												
Wet (31%)	4.4	5.5	7.2	6.4	7.6	7.3	5.9	4.8	4.7	4.8	4.7	4.7
Above Normal (25%)	4.2	4.0	4.5	7.2	7.3	6.2	4.4	4.2	4.3	4.5	4.4	4.2
Below Normal (6%)	4.3	4.1	4.2	4.9	4.8	4.5	4.0	4.1	4.2	4.1	4.2	4.2
Dry (13%)	4.1	4.2	4.4	4.5	4.3	4.7	4.1	4.3	4.4	4.7	4.5	4.3
Critical (25%)	4.3	4.1	4.3	4.4	4.1	4.0	3.9	4.0	4.2	4.5	4.3	4.3

Alternative 3 (LLT) minus No Action Alternative (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	**-0.3**	**-0.5**	**-0.7**	**-1.0**	**-0.9**	**-0.9**	**-0.9**	**-0.6**	**-0.6**	**-0.6**	**-0.7**	**-1.1**
20%	**-0.3**	**-0.5**	**-0.6**	**-1.0**	**-0.9**	**-1.0**	**-0.7**	**-0.5**	**-0.6**	**-0.8**	**-0.6**	**-1.0**
30%	**-0.3**	**-0.8**	**-0.6**	**-0.8**	**-0.9**	**-0.9**	**-0.5**	**-0.6**	**-0.6**	**-0.8**	**-0.7**	**-0.6**
40%	**-0.4**	**-0.6**	**-0.6**	**-0.6**	**-0.8**	**-0.8**	**-0.5**	**-0.5**	**-0.6**	**-0.8**	**-0.7**	**-0.6**
50%	**-0.5**	**-0.6**	**-0.5**	**-0.8**	**-0.7**	**-0.9**	**-0.6**	**-0.4**	**-0.6**	**-0.8**	**-0.6**	**-0.5**
60%	**-0.5**	**-0.5**	**-0.5**	**-0.6**	**-0.5**	**-0.7**	**-0.5**	**-0.4**	**-0.6**	**-0.8**	**-0.7**	**-0.5**
70%	**-0.5**	**-0.5**	**-0.5**	**-0.7**	**-0.5**	**-0.5**	**-0.5**	**-0.4**	**-0.6**	**-0.8**	**-0.6**	**-0.5**
80%	**-0.5**	**-0.6**	**-0.6**	**-0.7**	**-0.5**	**-0.5**	**-0.4**	**-0.5**	**-0.6**	**-0.8**	**-0.7**	**-0.6**
90%	**-0.5**	**-0.5**	**-0.6**	**-0.4**	**-0.4**	**-0.5**	**-0.5**	**-0.4**	**-0.6**	**-0.8**	**-0.6**	**-0.5**
Long Term												
Full Simulation Period[a]	**-0.4**	**-0.6**	**-0.6**	**-0.7**	**-0.7**	**-0.7**	**-0.6**	**-0.5**	**-0.6**	**-0.8**	**-0.7**	**-0.7**
Water Year Types[b]												
Wet (31%)	**-0.5**	**-0.6**	**-0.7**	**-0.9**	**-0.9**	**-0.9**	**-0.7**	**-0.6**	**-0.6**	**-0.8**	**-0.7**	**-1.0**
Above Normal (25%)	**-0.3**	**-0.5**	**-0.6**	**-1.0**	**-0.9**	**-1.0**	**-0.7**	**-0.6**	**-0.6**	**-0.8**	**-0.7**	**-0.8**
Below Normal (6%)	**-0.4**	**-0.7**	**-0.6**	**-0.7**	**-0.8**	**-0.8**	**-0.6**	**-0.5**	**-0.7**	**-0.9**	**-0.7**	**-0.6**
Dry (13%)	**-0.6**	**-0.6**	**-0.5**	**-0.5**	**-0.6**	**-0.7**	**-0.5**	**-0.5**	**-0.6**	**-0.7**	**-0.7**	**-0.5**
Critical (25%)	**-0.3**	**-0.6**	**-0.5**	**-0.6**	**-0.5**	**-0.5**	**-0.5**	**-0.4**	**-0.6**	**-0.7**	**-0.6**	**-0.5**

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-31-1-17. Sacramento River d/s of Georgiana Slough, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.9	5.9	8.4	8.3	9.2	8.5	6.8	5.4	5.3	5.6	5.4	5.7
20%	4.8	5.3	5.3	7.8	8.5	7.8	5.1	5.0	5.1	5.6	5.3	5.4
30%	4.7	5.0	5.3	6.5	6.7	6.6	4.9	4.9	5.0	5.5	5.2	5.0
40%	4.7	4.8	5.3	5.5	5.7	5.5	4.7	4.8	5.0	5.5	5.2	4.9
50%	4.7	4.7	5.0	5.5	5.3	5.4	4.6	4.6	4.9	5.5	5.1	4.8
60%	4.6	4.7	4.9	5.2	4.9	5.1	4.6	4.6	4.9	5.4	5.1	4.8
70%	4.6	4.6	4.8	5.1	4.8	4.8	4.5	4.6	4.8	5.4	5.0	4.8
80%	4.5	4.5	4.7	5.0	4.7	4.5	4.5	4.5	4.8	5.2	4.9	4.8
90%	4.5	4.4	4.7	4.6	4.5	4.4	4.3	4.4	4.8	5.1	4.8	4.6
Long Term												
Full Simulation Period[a]	4.7	5.0	5.7	6.0	6.2	6.0	5.1	4.8	5.0	5.4	5.1	5.0
Water Year Types[b]												
Wet (31%)	4.9	6.0	7.9	7.4	8.5	8.1	6.6	5.3	5.4	5.6	5.4	5.7
Above Normal (25%)	4.5	4.6	5.1	8.2	8.2	7.2	5.1	4.8	4.8	5.4	5.1	5.0
Below Normal (6%)	4.7	4.8	4.8	5.6	5.7	5.3	4.6	4.6	4.9	5.0	4.9	4.8
Dry (13%)	4.7	4.8	5.0	5.0	4.9	5.3	4.6	4.8	5.0	5.5	5.2	4.8
Critical (25%)	4.7	4.7	4.8	5.0	4.6	4.5	4.4	4.5	4.8	5.2	4.9	4.7

Alternative 4 H1 (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.4	5.3	7.5	7.1	8.2	7.4	5.8	4.7	4.7	5.0	4.7	4.6
20%	4.3	4.8	4.7	6.7	7.4	6.6	4.4	4.4	4.6	4.8	4.6	4.5
30%	4.3	4.2	4.7	5.5	5.6	5.6	4.3	4.3	4.5	4.8	4.6	4.4
40%	4.2	4.2	4.6	4.7	4.8	4.7	4.2	4.2	4.4	4.7	4.6	4.3
50%	4.2	4.2	4.5	4.7	4.5	4.5	4.1	4.2	4.3	4.7	4.5	4.3
60%	4.2	4.1	4.4	4.6	4.3	4.4	4.0	4.1	4.3	4.7	4.4	4.3
70%	4.1	4.1	4.3	4.5	4.2	4.2	4.0	4.1	4.2	4.5	4.4	4.3
80%	4.0	3.9	4.2	4.5	4.2	4.0	4.0	4.1	4.2	4.5	4.3	4.2
90%	4.0	3.9	4.1	4.2	4.0	3.9	3.8	3.9	4.2	4.3	4.3	4.1
Long Term												
Full Simulation Period[a]	4.2	4.4	5.1	5.3	5.4	5.2	4.5	4.3	4.4	4.7	4.5	4.4
Water Year Types[b]												
Wet (31%)	4.4	5.4	7.1	6.3	7.4	7.1	5.8	4.7	4.7	4.9	4.7	4.7
Above Normal (25%)	4.0	4.0	4.6	7.1	7.1	6.0	4.4	4.3	4.2	4.6	4.5	4.2
Below Normal (6%)	4.2	4.1	4.2	4.9	4.8	4.5	4.0	4.1	4.3	4.2	4.3	4.2
Dry (13%)	4.1	4.2	4.4	4.4	4.3	4.6	4.1	4.3	4.5	4.8	4.5	4.3
Critical (25%)	4.2	4.1	4.4	4.4	4.1	4.0	3.9	4.0	4.2	4.5	4.3	4.2

Alternative 4 H1 (LLT) minus No Action Alternative (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	**-0.5**	**-0.6**	**-0.9**	**-1.2**	**-1.0**	**-1.1**	**-1.0**	**-0.7**	**-0.6**	**-0.6**	**-0.7**	**-1.1**
20%	**-0.5**	**-0.5**	**-0.6**	**-1.2**	**-1.2**	**-1.2**	**-0.7**	**-0.5**	**-0.6**	**-0.7**	**-0.6**	**-0.9**
30%	**-0.5**	**-0.8**	**-0.6**	**-0.9**	**-1.1**	**-1.0**	**-0.5**	**-0.6**	**-0.6**	**-0.8**	**-0.6**	**-0.6**
40%	**-0.5**	**-0.7**	**-0.6**	**-0.8**	**-0.9**	**-0.9**	**-0.5**	**-0.5**	**-0.6**	**-0.7**	**-0.6**	**-0.5**
50%	**-0.5**	**-0.6**	**-0.4**	**-0.8**	**-0.7**	**-0.9**	**-0.6**	**-0.4**	**-0.6**	**-0.8**	**-0.6**	**-0.5**
60%	**-0.5**	**-0.5**	**-0.5**	**-0.6**	**-0.5**	**-0.7**	**-0.5**	**-0.4**	**-0.6**	**-0.8**	**-0.6**	**-0.5**
70%	**-0.5**	**-0.5**	**-0.5**	**-0.6**	**-0.5**	**-0.6**	**-0.5**	**-0.5**	**-0.6**	**-0.8**	**-0.6**	**-0.5**
80%	**-0.5**	**-0.6**	**-0.6**	**-0.5**	**-0.5**	**-0.5**	**-0.5**	**-0.5**	**-0.6**	**-0.7**	**-0.7**	**-0.6**
90%	**-0.5**	**-0.5**	**-0.6**	**-0.4**	**-0.4**	**-0.5**	**-0.5**	**-0.4**	**-0.6**	**-0.8**	**-0.6**	**-0.5**
Long Term												
Full Simulation Period[a]	**-0.5**	**-0.6**	**-0.6**	**-0.8**	**-0.8**	**-0.8**	**-0.6**	**-0.5**	**-0.6**	**-0.7**	**-0.6**	**-0.7**
Water Year Types[b]												
Wet (31%)	**-0.6**	**-0.6**	**-0.8**	**-1.1**	**-1.0**	**-1.0**	**-0.8**	**-0.6**	**-0.7**	**-0.7**	**-0.7**	**-1.0**
Above Normal (25%)	**-0.5**	**-0.6**	**-0.6**	**-1.1**	**-1.1**	**-1.1**	**-0.8**	**-0.6**	**-0.6**	**-0.7**	**-0.7**	**-0.8**
Below Normal (6%)	**-0.5**	**-0.7**	**-0.6**	**-0.7**	**-0.9**	**-0.8**	**-0.5**	**-0.5**	**-0.6**	**-0.8**	**-0.7**	**-0.6**
Dry (13%)	**-0.5**	**-0.6**	**-0.5**	**-0.6**	**-0.6**	**-0.7**	**-0.5**	**-0.5**	**-0.6**	**-0.7**	**-0.6**	**-0.4**
Critical (25%)	**-0.5**	**-0.6**	**-0.5**	**-0.5**	**-0.5**	**-0.5**	**-0.5**	**-0.4**	**-0.6**	**-0.7**	**-0.5**	**-0.5**

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-31-1-18. Sacramento River d/s of Georgiana Slough, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.9	5.9	8.4	8.3	9.2	8.5	6.8	5.4	5.3	5.6	5.4	5.7
20%	4.8	5.3	5.3	7.8	8.5	7.8	5.1	5.0	5.1	5.6	5.3	5.4
30%	4.7	5.0	5.3	6.5	6.7	6.6	4.9	4.9	5.0	5.5	5.2	5.0
40%	4.7	4.8	5.3	5.5	5.7	5.5	4.7	4.8	5.0	5.5	5.2	4.9
50%	4.7	4.7	5.0	5.5	5.3	5.4	4.6	4.6	4.9	5.5	5.1	4.8
60%	4.6	4.7	4.9	5.2	4.9	5.1	4.6	4.6	4.9	5.4	5.1	4.8
70%	4.6	4.6	4.8	5.1	4.8	4.8	4.5	4.6	4.8	5.4	5.0	4.8
80%	4.5	4.5	4.7	5.0	4.7	4.5	4.5	4.5	4.8	5.2	4.9	4.8
90%	4.5	4.4	4.7	4.6	4.5	4.4	4.3	4.4	4.8	5.1	4.8	4.6
Long Term												
Full Simulation Period[a]	4.7	5.0	5.7	6.0	6.2	6.0	5.1	4.8	5.0	5.4	5.1	5.0
Water Year Types[b]												
Wet (31%)	4.9	6.0	7.9	7.4	8.5	8.1	6.6	5.3	5.4	5.6	5.4	5.7
Above Normal (25%)	4.5	4.6	5.1	8.2	8.2	7.2	5.1	4.8	4.8	5.4	5.1	5.0
Below Normal (6%)	4.7	4.8	4.8	5.6	5.7	5.3	4.6	4.6	4.9	5.0	4.9	4.8
Dry (13%)	4.7	4.8	5.0	5.0	4.9	5.3	4.6	4.8	5.0	5.5	5.2	4.8
Critical (25%)	4.7	4.7	4.8	5.0	4.6	4.5	4.4	4.5	4.8	5.2	4.9	4.7

Alternative 4 H2 (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.5	5.4	7.6	7.1	8.2	7.5	5.8	4.7	4.6	4.9	4.7	4.6
20%	4.3	4.9	4.8	6.6	7.4	6.6	4.6	4.4	4.5	4.8	4.6	4.4
30%	4.3	4.2	4.7	5.5	5.7	5.7	4.4	4.4	4.4	4.7	4.6	4.4
40%	4.2	4.2	4.6	4.7	4.8	4.7	4.4	4.3	4.4	4.7	4.5	4.3
50%	4.1	4.2	4.5	4.7	4.5	4.5	4.2	4.2	4.3	4.6	4.5	4.3
60%	4.1	4.1	4.4	4.5	4.3	4.4	4.1	4.1	4.2	4.6	4.4	4.3
70%	4.1	4.1	4.3	4.5	4.2	4.2	4.0	4.1	4.2	4.5	4.4	4.3
80%	4.0	3.9	4.1	4.4	4.2	4.0	4.0	4.1	4.2	4.4	4.3	4.2
90%	4.0	3.9	4.1	4.3	4.0	3.9	3.9	3.9	4.1	4.3	4.3	4.1
Long Term												
Full Simulation Period[a]	4.2	4.5	5.1	5.3	5.4	5.2	4.6	4.3	4.4	4.6	4.5	4.4
Water Year Types[b]												
Wet (31%)	4.4	5.4	7.1	6.3	7.4	7.1	6.0	4.7	4.7	4.8	4.7	4.7
Above Normal (25%)	4.0	4.0	4.6	7.2	7.2	6.1	4.6	4.4	4.2	4.5	4.5	4.2
Below Normal (6%)	4.1	4.1	4.1	4.9	4.8	4.6	4.0	4.1	4.3	4.3	4.3	4.2
Dry (13%)	4.1	4.2	4.4	4.4	4.3	4.6	4.1	4.3	4.4	4.7	4.5	4.3
Critical (25%)	4.3	4.1	4.3	4.4	4.1	4.0	3.9	4.0	4.2	4.5	4.3	4.3

Alternative 4 H2 (LLT) minus No Action Alternative (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	**-0.4**	**-0.5**	**-0.8**	**-1.2**	**-1.0**	**-1.1**	**-1.0**	**-0.7**	**-0.6**	**-0.7**	**-0.7**	**-1.1**
20%	**-0.4**	**-0.5**	**-0.6**	**-1.2**	**-1.2**	**-1.2**	**-0.5**	**-0.5**	**-0.6**	**-0.8**	**-0.7**	**-0.9**
30%	**-0.4**	**-0.7**	**-0.6**	**-0.9**	**-1.0**	**-0.9**	**-0.5**	**-0.5**	**-0.6**	**-0.8**	**-0.7**	**-0.6**
40%	**-0.5**	**-0.7**	**-0.7**	**-0.8**	**-0.9**	**-0.9**	**-0.3**	**-0.5**	**-0.6**	**-0.8**	**-0.7**	**-0.5**
50%	**-0.6**	**-0.6**	**-0.5**	**-0.8**	**-0.7**	**-0.9**	**-0.4**	**-0.4**	**-0.6**	**-0.9**	**-0.6**	**-0.5**
60%	**-0.5**	**-0.5**	**-0.6**	**-0.7**	**-0.5**	**-0.7**	**-0.5**	**-0.4**	**-0.6**	**-0.9**	**-0.7**	**-0.5**
70%	**-0.5**	**-0.5**	**-0.5**	**-0.6**	**-0.5**	**-0.6**	**-0.5**	**-0.5**	**-0.6**	**-0.8**	**-0.6**	**-0.5**
80%	**-0.5**	**-0.6**	**-0.7**	**-0.6**	**-0.5**	**-0.5**	**-0.5**	**-0.5**	**-0.6**	**-0.8**	**-0.7**	**-0.6**
90%	**-0.5**	**-0.5**	**-0.6**	**-0.3**	**-0.4**	**-0.5**	**-0.4**	**-0.4**	**-0.6**	**-0.7**	**-0.6**	**-0.5**
Long Term												
Full Simulation Period[a]	**-0.5**	**-0.6**	**-0.6**	**-0.8**	**-0.8**	**-0.8**	**-0.5**	**-0.5**	**-0.6**	**-0.8**	**-0.6**	**-0.7**
Water Year Types[b]												
Wet (31%)	**-0.6**	**-0.6**	**-0.8**	**-1.1**	**-1.1**	**-1.0**	**-0.6**	**-0.6**	**-0.7**	**-0.8**	**-0.7**	**-1.0**
Above Normal (25%)	**-0.4**	**-0.6**	**-0.5**	**-1.0**	**-1.0**	**-1.1**	**-0.5**	**-0.4**	**-0.6**	**-0.9**	**-0.7**	**-0.8**
Below Normal (6%)	**-0.6**	**-0.7**	**-0.7**	**-0.7**	**-0.8**	**-0.8**	**-0.5**	**-0.5**	**-0.6**	**-0.8**	**-0.7**	**-0.6**
Dry (13%)	**-0.6**	**-0.6**	**-0.6**	**-0.6**	**-0.6**	**-0.7**	**-0.5**	**-0.5**	**-0.6**	**-0.8**	**-0.7**	**-0.5**
Critical (25%)	**-0.4**	**-0.6**	**-0.5**	**-0.5**	**-0.5**	**-0.5**	**-0.5**	**-0.4**	**-0.6**	**-0.7**	**-0.5**	**-0.5**

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-31-1-19. Sacramento River d/s of Georgiana Slough, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.9	5.9	8.4	8.3	9.2	8.5	6.8	5.4	5.3	5.6	5.4	5.7
20%	4.8	5.3	5.3	7.8	8.5	7.8	5.1	5.0	5.1	5.6	5.3	5.4
30%	4.7	5.0	5.3	6.5	6.7	6.6	4.9	4.9	5.0	5.5	5.2	5.0
40%	4.7	4.8	5.3	5.5	5.7	5.5	4.7	4.8	5.0	5.5	5.2	4.9
50%	4.7	4.7	5.0	5.5	5.3	5.4	4.6	4.6	4.9	5.5	5.1	4.8
60%	4.6	4.7	4.9	5.2	4.9	5.1	4.6	4.6	4.9	5.4	5.1	4.8
70%	4.6	4.6	4.8	5.1	4.8	4.8	4.5	4.6	4.8	5.4	5.0	4.8
80%	4.5	4.5	4.7	5.0	4.7	4.5	4.5	4.5	4.8	5.2	4.9	4.8
90%	4.5	4.4	4.7	4.6	4.5	4.4	4.3	4.4	4.8	5.1	4.8	4.6
Long Term												
Full Simulation Period[a]	4.7	5.0	5.7	6.0	6.2	6.0	5.1	4.8	5.0	5.4	5.1	5.0
Water Year Types[b]												
Wet (31%)	4.9	6.0	7.9	7.4	8.5	8.1	6.6	5.3	5.4	5.6	5.4	5.7
Above Normal (25%)	4.5	4.6	5.1	8.2	8.2	7.2	5.1	4.8	4.8	5.4	5.1	5.0
Below Normal (6%)	4.7	4.8	4.8	5.6	5.7	5.3	4.6	4.6	4.9	5.0	4.9	4.8
Dry (13%)	4.7	4.8	5.0	5.0	4.9	5.3	4.6	4.8	5.0	5.5	5.2	4.8
Critical (25%)	4.7	4.7	4.8	5.0	4.6	4.5	4.4	4.5	4.8	5.2	4.9	4.7

Alternative 4 H3 (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.4	5.3	7.4	7.1	8.2	7.4	5.8	4.7	4.7	5.0	4.7	4.9
20%	4.4	4.8	4.7	6.6	7.4	6.6	4.4	4.4	4.6	4.8	4.6	4.8
30%	4.2	4.3	4.7	5.5	5.6	5.4	4.3	4.3	4.5	4.8	4.6	4.4
40%	4.2	4.2	4.7	4.7	4.8	4.7	4.2	4.3	4.4	4.7	4.5	4.4
50%	4.1	4.2	4.6	4.7	4.5	4.5	4.0	4.2	4.3	4.7	4.5	4.3
60%	4.1	4.2	4.5	4.6	4.3	4.4	4.0	4.1	4.3	4.7	4.4	4.3
70%	4.0	4.1	4.3	4.5	4.2	4.2	4.0	4.1	4.3	4.5	4.3	4.3
80%	4.0	3.9	4.1	4.4	4.2	4.0	4.0	4.1	4.2	4.5	4.3	4.2
90%	4.0	3.9	4.1	4.1	4.0	3.9	3.8	3.9	4.2	4.3	4.3	4.1
Long Term												
Full Simulation Period[a]	4.2	4.5	5.1	5.2	5.4	5.2	4.5	4.3	4.4	4.7	4.5	4.4
Water Year Types[b]												
Wet (31%)	4.3	5.4	7.1	6.3	7.4	7.1	5.8	4.7	4.7	4.9	4.7	4.9
Above Normal (25%)	4.1	4.0	4.6	7.0	7.1	6.0	4.4	4.3	4.2	4.6	4.5	4.3
Below Normal (6%)	4.1	4.2	4.0	4.9	4.8	4.5	4.0	4.1	4.3	4.2	4.3	4.1
Dry (13%)	4.1	4.2	4.4	4.4	4.3	4.5	4.1	4.3	4.5	4.7	4.5	4.3
Critical (25%)	4.1	4.1	4.4	4.4	4.1	4.0	3.9	4.0	4.2	4.5	4.3	4.2

Alternative 4 H3 (LLT) minus No Action Alternative (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	**-0.5**	**-0.5**	**-1.0**	**-1.2**	**-1.1**	**-1.1**	**-1.0**	**-0.7**	**-0.6**	**-0.6**	**-0.7**	**-0.8**
20%	**-0.4**	**-0.5**	**-0.6**	**-1.2**	**-1.2**	**-1.2**	**-0.7**	**-0.6**	**-0.6**	**-0.7**	**-0.6**	**-0.6**
30%	**-0.5**	**-0.7**	**-0.6**	**-0.9**	**-1.1**	**-1.2**	**-0.6**	**-0.6**	**-0.6**	**-0.8**	**-0.7**	**-0.6**
40%	**-0.5**	**-0.6**	**-0.6**	**-0.8**	**-0.9**	**-0.9**	**-0.5**	**-0.5**	**-0.6**	**-0.8**	**-0.7**	**-0.5**
50%	**-0.6**	**-0.6**	**-0.4**	**-0.8**	**-0.7**	**-0.9**	**-0.6**	**-0.4**	**-0.6**	**-0.8**	**-0.6**	**-0.5**
60%	**-0.5**	**-0.5**	**-0.5**	**-0.5**	**-0.5**	**-0.7**	**-0.5**	**-0.4**	**-0.6**	**-0.7**	**-0.6**	**-0.5**
70%	**-0.6**	**-0.5**	**-0.5**	**-0.6**	**-0.5**	**-0.6**	**-0.5**	**-0.5**	**-0.6**	**-0.9**	**-0.7**	**-0.5**
80%	**-0.5**	**-0.6**	**-0.6**	**-0.6**	**-0.5**	**-0.5**	**-0.5**	**-0.5**	**-0.6**	**-0.7**	**-0.6**	**-0.5**
90%	**-0.5**	**-0.5**	**-0.6**	**-0.4**	**-0.4**	**-0.5**	**-0.5**	**-0.4**	**-0.6**	**-0.8**	**-0.6**	**-0.5**
Long Term												
Full Simulation Period[a]	**-0.5**	**-0.6**	**-0.6**	**-0.8**	**-0.8**	**-0.8**	**-0.6**	**-0.5**	**-0.6**	**-0.7**	**-0.6**	**-0.6**
Water Year Types[b]												
Wet (31%)	**-0.6**	**-0.6**	**-0.9**	**-1.1**	**-1.1**	**-1.1**	**-0.8**	**-0.6**	**-0.7**	**-0.7**	**-0.7**	**-0.8**
Above Normal (25%)	**-0.4**	**-0.6**	**-0.5**	**-1.2**	**-1.1**	**-1.1**	**-0.8**	**-0.5**	**-0.6**	**-0.7**	**-0.7**	**-0.7**
Below Normal (6%)	**-0.6**	**-0.7**	**-0.7**	**-0.7**	**-0.9**	**-0.8**	**-0.5**	**-0.5**	**-0.6**	**-0.8**	**-0.7**	**-0.7**
Dry (13%)	**-0.5**	**-0.6**	**-0.6**	**-0.6**	**-0.6**	**-0.8**	**-0.5**	**-0.5**	**-0.6**	**-0.7**	**-0.7**	**-0.5**
Critical (25%)	**-0.5**	**-0.6**	**-0.5**	**-0.6**	**-0.5**	**-0.5**	**-0.5**	**-0.4**	**-0.6**	**-0.8**	**-0.6**	**-0.5**

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-31-1-20. Sacramento River d/s of Georgiana Slough, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.9	5.9	8.4	8.3	9.2	8.5	6.8	5.4	5.3	5.6	5.4	5.7
20%	4.8	5.3	5.3	7.8	8.5	7.8	5.1	5.0	5.1	5.6	5.3	5.4
30%	4.7	5.0	5.3	6.5	6.7	6.6	4.9	4.9	5.0	5.5	5.2	5.0
40%	4.7	4.8	5.3	5.5	5.7	5.5	4.7	4.8	5.0	5.5	5.2	4.9
50%	4.7	4.7	5.0	5.5	5.3	5.4	4.6	4.6	4.9	5.5	5.1	4.8
60%	4.6	4.7	4.9	5.2	4.9	5.1	4.6	4.6	4.9	5.4	5.1	4.8
70%	4.6	4.6	4.8	5.1	4.8	4.8	4.5	4.6	4.8	5.4	5.0	4.8
80%	4.5	4.5	4.7	5.0	4.7	4.5	4.5	4.5	4.8	5.2	4.9	4.8
90%	4.5	4.4	4.7	4.6	4.5	4.4	4.3	4.4	4.8	5.1	4.8	4.6
Long Term												
Full Simulation Period[a]	4.7	5.0	5.7	6.0	6.2	6.0	5.1	4.8	5.0	5.4	5.1	5.0
Water Year Types[b]												
Wet (31%)	4.9	6.0	7.9	7.4	8.5	8.1	6.6	5.3	5.4	5.6	5.4	5.7
Above Normal (25%)	4.5	4.6	5.1	8.2	8.2	7.2	5.1	4.8	4.8	5.4	5.1	5.0
Below Normal (6%)	4.7	4.8	4.8	5.6	5.7	5.3	4.6	4.6	4.9	5.0	4.9	4.8
Dry (13%)	4.7	4.8	5.0	5.0	4.9	5.3	4.6	4.8	5.0	5.5	5.2	4.8
Critical (25%)	4.7	4.7	4.8	5.0	4.6	4.5	4.4	4.5	4.8	5.2	4.9	4.7

Alternative 4 H4 (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.4	5.2	7.4	7.2	8.2	7.5	5.8	4.7	4.6	4.9	4.7	4.9
20%	4.4	4.8	4.7	6.7	7.4	6.6	4.6	4.4	4.5	4.8	4.6	4.8
30%	4.3	4.3	4.7	5.5	5.6	5.6	4.4	4.4	4.4	4.7	4.6	4.4
40%	4.2	4.2	4.6	4.7	4.8	4.7	4.4	4.3	4.4	4.6	4.5	4.4
50%	4.2	4.2	4.5	4.7	4.5	4.5	4.2	4.2	4.3	4.6	4.5	4.3
60%	4.1	4.2	4.4	4.5	4.3	4.4	4.0	4.1	4.2	4.6	4.4	4.3
70%	4.0	4.1	4.3	4.5	4.2	4.2	4.0	4.1	4.2	4.5	4.4	4.3
80%	4.0	4.0	4.1	4.2	4.2	4.0	4.0	4.1	4.2	4.4	4.3	4.2
90%	4.0	3.9	4.1	4.1	4.0	3.9	3.9	3.9	4.2	4.3	4.2	4.1
Long Term												
Full Simulation Period[a]	4.2	4.4	5.1	5.2	5.4	5.2	4.6	4.3	4.4	4.6	4.5	4.4
Water Year Types[b]												
Wet (31%)	4.4	5.3	7.1	6.3	7.4	7.1	6.0	4.7	4.7	4.8	4.7	5.0
Above Normal (25%)	4.1	4.0	4.6	7.1	7.1	6.0	4.6	4.4	4.2	4.5	4.5	4.3
Below Normal (6%)	4.0	4.2	4.1	4.9	4.8	4.5	4.0	4.1	4.3	4.3	4.2	4.1
Dry (13%)	4.1	4.2	4.4	4.4	4.3	4.6	4.1	4.3	4.4	4.6	4.5	4.3
Critical (25%)	4.2	4.1	4.3	4.3	4.1	4.0	3.9	4.0	4.2	4.5	4.4	4.3

Alternative 4 H4 (LLT) minus No Action Alternative (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	**-0.5**	**-0.7**	**-1.0**	**-1.2**	**-1.1**	**-1.1**	**-1.0**	**-0.7**	**-0.6**	**-0.7**	**-0.7**	**-0.8**
20%	**-0.4**	**-0.5**	**-0.6**	**-1.2**	**-1.2**	**-1.2**	**-0.5**	**-0.5**	**-0.6**	**-0.8**	**-0.7**	**-0.6**
30%	**-0.5**	**-0.7**	**-0.6**	**-0.9**	**-1.1**	**-1.0**	**-0.5**	**-0.5**	**-0.6**	**-0.8**	**-0.7**	**-0.6**
40%	**-0.5**	**-0.6**	**-0.6**	**-0.8**	**-0.9**	**-0.9**	**-0.3**	**-0.5**	**-0.6**	**-0.9**	**-0.7**	**-0.5**
50%	**-0.5**	**-0.6**	**-0.5**	**-0.8**	**-0.7**	**-0.9**	**-0.4**	**-0.4**	**-0.6**	**-0.9**	**-0.6**	**-0.5**
60%	**-0.5**	**-0.5**	**-0.5**	**-0.7**	**-0.5**	**-0.7**	**-0.5**	**-0.4**	**-0.6**	**-0.9**	**-0.6**	**-0.5**
70%	**-0.6**	**-0.5**	**-0.5**	**-0.6**	**-0.5**	**-0.6**	**-0.5**	**-0.5**	**-0.6**	**-0.8**	**-0.6**	**-0.5**
80%	**-0.5**	**-0.6**	**-0.6**	**-0.8**	**-0.5**	**-0.5**	**-0.5**	**-0.5**	**-0.6**	**-0.8**	**-0.6**	**-0.5**
90%	**-0.6**	**-0.5**	**-0.6**	**-0.5**	**-0.4**	**-0.5**	**-0.4**	**-0.4**	**-0.6**	**-0.7**	**-0.6**	**-0.5**
Long Term												
Full Simulation Period[a]	**-0.5**	**-0.6**	**-0.6**	**-0.8**	**-0.8**	**-0.8**	**-0.5**	**-0.5**	**-0.6**	**-0.8**	**-0.6**	**-0.6**
Water Year Types[b]												
Wet (31%)	**-0.5**	**-0.7**	**-0.9**	**-1.1**	**-1.1**	**-1.0**	**-0.6**	**-0.6**	**-0.7**	**-0.8**	**-0.7**	**-0.8**
Above Normal (25%)	**-0.4**	**-0.6**	**-0.5**	**-1.0**	**-1.1**	**-1.1**	**-0.5**	**-0.5**	**-0.6**	**-0.9**	**-0.7**	**-0.7**
Below Normal (6%)	**-0.7**	**-0.7**	**-0.6**	**-0.7**	**-0.9**	**-0.8**	**-0.5**	**-0.5**	**-0.6**	**-0.8**	**-0.7**	**-0.6**
Dry (13%)	**-0.5**	**-0.6**	**-0.6**	**-0.6**	**-0.6**	**-0.7**	**-0.5**	**-0.5**	**-0.6**	**-0.8**	**-0.7**	**-0.5**
Critical (25%)	**-0.5**	**-0.5**	**-0.5**	**-0.7**	**-0.5**	**-0.5**	**-0.5**	**-0.4**	**-0.6**	**-0.7**	**-0.5**	**-0.4**

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-31-1-21. Sacramento River d/s of Georgiana Slough, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.9	5.9	8.4	8.3	9.2	8.5	6.8	5.4	5.3	5.6	5.4	5.7
20%	4.8	5.3	5.3	7.8	8.5	7.8	5.1	5.0	5.1	5.6	5.3	5.4
30%	4.7	5.0	5.3	6.5	6.7	6.6	4.9	4.9	5.0	5.5	5.2	5.0
40%	4.7	4.8	5.3	5.5	5.7	5.5	4.7	4.8	5.0	5.5	5.2	4.9
50%	4.7	4.7	5.0	5.5	5.3	5.4	4.6	4.6	4.9	5.5	5.1	4.8
60%	4.6	4.7	4.9	5.2	4.9	5.1	4.6	4.6	4.9	5.4	5.1	4.8
70%	4.6	4.6	4.8	5.1	4.8	4.8	4.5	4.6	4.8	5.4	5.0	4.8
80%	4.5	4.5	4.7	5.0	4.7	4.5	4.5	4.5	4.8	5.2	4.9	4.8
90%	4.5	4.4	4.7	4.6	4.5	4.4	4.3	4.4	4.8	5.1	4.8	4.6
Long Term												
Full Simulation Period[a]	4.7	5.0	5.7	6.0	6.2	6.0	5.1	4.8	5.0	5.4	5.1	5.0
Water Year Types[b]												
Wet (31%)	4.9	6.0	7.9	7.4	8.5	8.1	6.6	5.3	5.4	5.6	5.4	5.7
Above Normal (25%)	4.5	4.6	5.1	8.2	8.2	7.2	5.1	4.8	4.8	5.4	5.1	5.0
Below Normal (6%)	4.7	4.8	4.8	5.6	5.7	5.3	4.6	4.6	4.9	5.0	4.9	4.8
Dry (13%)	4.7	4.8	5.0	5.0	4.9	5.3	4.6	4.8	5.0	5.5	5.2	4.8
Critical (25%)	4.7	4.7	4.8	5.0	4.6	4.5	4.4	4.5	4.8	5.2	4.9	4.7

Alternative 5 (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.4	5.4	7.8	7.5	8.6	7.9	6.1	4.8	4.7	4.9	4.7	4.9
20%	4.3	4.8	4.7	7.0	7.8	7.0	4.5	4.4	4.6	4.8	4.6	4.8
30%	4.3	4.3	4.7	5.7	5.9	5.8	4.4	4.3	4.5	4.8	4.5	4.4
40%	4.2	4.2	4.7	4.8	4.9	4.8	4.2	4.2	4.4	4.7	4.5	4.3
50%	4.1	4.2	4.4	4.8	4.6	4.7	4.1	4.2	4.3	4.7	4.5	4.3
60%	4.0	4.2	4.4	4.5	4.3	4.4	4.0	4.1	4.3	4.7	4.4	4.3
70%	4.0	4.1	4.3	4.5	4.3	4.2	4.0	4.1	4.3	4.6	4.4	4.3
80%	4.0	3.9	4.2	4.4	4.2	4.0	4.0	4.1	4.2	4.5	4.3	4.2
90%	4.0	3.9	4.1	4.2	4.0	3.9	3.8	3.9	4.2	4.4	4.2	4.1
Long Term												
Full Simulation Period[a]	4.2	4.5	5.1	5.4	5.6	5.4	4.6	4.3	4.4	4.7	4.5	4.4
Water Year Types[b]												
Wet (31%)	4.3	5.5	7.3	6.6	7.8	7.5	6.0	4.8	4.8	4.9	4.7	5.0
Above Normal (25%)	3.9	4.0	4.6	7.4	7.5	6.4	4.5	4.3	4.3	4.6	4.4	4.3
Below Normal (6%)	4.0	4.2	4.2	4.9	4.9	4.6	4.0	4.1	4.3	4.4	4.2	4.1
Dry (13%)	4.1	4.2	4.4	4.4	4.3	4.7	4.1	4.3	4.4	4.7	4.5	4.2
Critical (25%)	4.2	4.1	4.3	4.4	4.1	4.0	4.0	4.0	4.2	4.5	4.3	4.2

Alternative 5 (LLT) minus No Action Alternative (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	**-0.5**	**-0.5**	**-0.6**	**-0.8**	**-0.6**	**-0.6**	**-0.7**	**-0.6**	**-0.6**	**-0.7**	**-0.7**	**-0.8**
20%	**-0.4**	**-0.6**	**-0.6**	**-0.8**	**-0.7**	**-0.8**	**-0.7**	**-0.6**	**-0.6**	**-0.7**	**-0.6**	**-0.5**
30%	**-0.4**	**-0.7**	**-0.6**	**-0.7**	**-0.8**	**-0.8**	**-0.5**	**-0.6**	**-0.5**	**-0.8**	**-0.7**	**-0.6**
40%	**-0.5**	**-0.6**	**-0.6**	**-0.8**	**-0.7**	**-0.7**	**-0.5**	**-0.5**	**-0.6**	**-0.8**	**-0.7**	**-0.5**
50%	**-0.6**	**-0.6**	**-0.6**	**-0.7**	**-0.7**	**-0.8**	**-0.5**	**-0.4**	**-0.6**	**-0.8**	**-0.6**	**-0.5**
60%	**-0.6**	**-0.5**	**-0.5**	**-0.6**	**-0.5**	**-0.7**	**-0.5**	**-0.5**	**-0.6**	**-0.7**	**-0.7**	**-0.5**
70%	**-0.6**	**-0.5**	**-0.5**	**-0.6**	**-0.5**	**-0.6**	**-0.5**	**-0.5**	**-0.6**	**-0.8**	**-0.6**	**-0.5**
80%	**-0.5**	**-0.6**	**-0.6**	**-0.6**	**-0.5**	**-0.5**	**-0.5**	**-0.5**	**-0.6**	**-0.7**	**-0.7**	**-0.5**
90%	**-0.5**	**-0.5**	**-0.6**	**-0.4**	**-0.4**	**-0.5**	**-0.5**	**-0.4**	**-0.6**	**-0.7**	**-0.6**	**-0.5**
Long Term												
Full Simulation Period[a]	**-0.5**	**-0.6**	**-0.6**	**-0.7**	**-0.6**	**-0.6**	**-0.5**	**-0.5**	**-0.6**	**-0.7**	**-0.7**	**-0.6**
Water Year Types[b]												
Wet (31%)	**-0.6**	**-0.5**	**-0.6**	**-0.8**	**-0.7**	**-0.7**	**-0.6**	**-0.5**	**-0.6**	**-0.7**	**-0.7**	**-0.7**
Above Normal (25%)	**-0.5**	**-0.5**	**-0.6**	**-0.7**	**-0.7**	**-0.8**	**-0.7**	**-0.6**	**-0.6**	**-0.8**	**-0.7**	**-0.7**
Below Normal (6%)	**-0.7**	**-0.7**	**-0.6**	**-0.7**	**-0.7**	**-0.7**	**-0.5**	**-0.5**	**-0.6**	**-0.7**	**-0.7**	**-0.7**
Dry (13%)	**-0.6**	**-0.6**	**-0.6**	**-0.6**	**-0.6**	**-0.7**	**-0.5**	**-0.5**	**-0.6**	**-0.8**	**-0.7**	**-0.5**
Critical (25%)	**-0.5**	**-0.5**	**-0.5**	**-0.6**	**-0.5**	**-0.5**	**-0.5**	**-0.5**	**-0.6**	**-0.7**	**-0.6**	**-0.5**

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-31-1-22. Sacramento River d/s of Georgiana Slough, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.9	5.9	8.4	8.3	9.2	8.5	6.8	5.4	5.3	5.6	5.4	5.7
20%	4.8	5.3	5.3	7.8	8.5	7.8	5.1	5.0	5.1	5.6	5.3	5.4
30%	4.7	5.0	5.3	6.5	6.7	6.6	4.9	4.9	5.0	5.5	5.2	5.0
40%	4.7	4.8	5.3	5.5	5.7	5.5	4.7	4.8	5.0	5.5	5.2	4.9
50%	4.7	4.7	5.0	5.5	5.3	5.4	4.6	4.6	4.9	5.5	5.1	4.8
60%	4.6	4.7	4.9	5.2	4.9	5.1	4.6	4.6	4.9	5.4	5.1	4.8
70%	4.6	4.6	4.8	5.1	4.8	4.8	4.5	4.6	4.8	5.4	5.0	4.8
80%	4.5	4.5	4.7	5.0	4.7	4.5	4.5	4.5	4.8	5.2	4.9	4.8
90%	4.5	4.4	4.7	4.6	4.5	4.4	4.3	4.4	4.8	5.1	4.8	4.6
Long Term												
Full Simulation Period[a]	4.7	5.0	5.7	6.0	6.2	6.0	5.1	4.8	5.0	5.4	5.1	5.0
Water Year Types[b]												
Wet (31%)	4.9	6.0	7.9	7.4	8.5	8.1	6.6	5.3	5.4	5.6	5.4	5.7
Above Normal (25%)	4.5	4.6	5.1	8.2	8.2	7.2	5.1	4.8	4.8	5.4	5.1	5.0
Below Normal (6%)	4.7	4.8	4.8	5.6	5.7	5.3	4.6	4.6	4.9	5.0	4.9	4.8
Dry (13%)	4.7	4.8	5.0	5.0	4.9	5.3	4.6	4.8	5.0	5.5	5.2	4.8
Critical (25%)	4.7	4.7	4.8	5.0	4.6	4.5	4.4	4.5	4.8	5.2	4.9	4.7

Alternative 6A,6B,6C (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.4	5.5	7.3	6.8	7.7	7.2	5.7	4.6	4.6	4.8	4.7	4.9
20%	4.3	4.9	4.7	6.4	7.2	6.5	4.4	4.3	4.5	4.7	4.6	4.7
30%	4.2	4.3	4.7	5.6	5.5	5.4	4.3	4.3	4.4	4.7	4.6	4.4
40%	4.2	4.3	4.6	4.8	4.7	4.6	4.2	4.2	4.3	4.7	4.6	4.4
50%	4.1	4.2	4.5	4.7	4.6	4.5	4.1	4.2	4.2	4.6	4.5	4.4
60%	4.1	4.2	4.3	4.5	4.5	4.4	4.0	4.1	4.2	4.6	4.4	4.4
70%	4.1	4.2	4.3	4.5	4.2	4.2	4.0	4.0	4.2	4.5	4.4	4.3
80%	4.1	3.9	4.1	4.2	4.2	4.0	4.0	4.0	4.1	4.5	4.3	4.2
90%	4.0	3.9	4.1	4.1	4.0	3.9	3.8	3.9	4.1	4.4	4.3	4.1
Long Term												
Full Simulation Period[a]	4.2	4.5	5.0	5.2	5.3	5.1	4.5	4.3	4.3	4.6	4.5	4.4
Water Year Types[b]												
Wet (31%)	4.4	5.4	7.0	6.2	7.2	7.0	5.8	4.7	4.6	4.8	4.7	4.9
Above Normal (25%)	3.9	4.0	4.6	6.8	6.7	5.9	4.3	4.3	4.2	4.5	4.5	4.3
Below Normal (6%)	4.1	4.2	4.1	4.9	4.7	4.5	4.1	4.1	4.2	4.3	4.3	4.2
Dry (13%)	4.2	4.2	4.4	4.4	4.3	4.5	4.1	4.2	4.4	4.6	4.5	4.3
Critical (25%)	4.1	4.2	4.3	4.3	4.2	4.0	3.9	4.0	4.2	4.5	4.4	4.3

Alternative 6A,6B,6C (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	**-0.5**	**-0.4**	**-1.0**	**-1.6**	**-1.5**	**-1.3**	**-1.1**	**-0.7**	**-0.7**	**-0.8**	**-0.7**	**-0.9**
20%	**-0.5**	**-0.5**	**-0.6**	**-1.4**	**-1.3**	**-1.3**	**-0.7**	**-0.6**	**-0.7**	**-0.9**	**-0.6**	**-0.7**
30%	**-0.5**	**-0.7**	**-0.6**	**-0.8**	**-1.2**	**-1.2**	**-0.6**	**-0.6**	**-0.6**	**-0.9**	**-0.7**	**-0.6**
40%	**-0.5**	**-0.6**	**-0.7**	**-0.7**	**-1.0**	**-0.9**	**-0.5**	**-0.5**	**-0.7**	**-0.8**	**-0.6**	**-0.5**
50%	**-0.6**	**-0.5**	**-0.5**	**-0.7**	**-0.7**	**-1.0**	**-0.6**	**-0.4**	**-0.7**	**-0.9**	**-0.6**	**-0.5**
60%	**-0.5**	**-0.5**	**-0.6**	**-0.6**	**-0.3**	**-0.7**	**-0.5**	**-0.5**	**-0.7**	**-0.8**	**-0.6**	**-0.4**
70%	**-0.5**	**-0.5**	**-0.5**	**-0.6**	**-0.5**	**-0.6**	**-0.5**	**-0.5**	**-0.6**	**-0.8**	**-0.6**	**-0.5**
80%	**-0.5**	**-0.6**	**-0.6**	**-0.8**	**-0.5**	**-0.5**	**-0.5**	**-0.5**	**-0.7**	**-0.8**	**-0.6**	**-0.5**
90%	**-0.5**	**-0.5**	**-0.6**	**-0.5**	**-0.4**	**-0.5**	**-0.5**	**-0.5**	**-0.6**	**-0.7**	**-0.5**	**-0.5**
Long Term												
Full Simulation Period[a]	**-0.5**	**-0.6**	**-0.7**	**-0.9**	**-0.8**	**-0.9**	**-0.6**	**-0.6**	**-0.7**	**-0.8**	**-0.6**	**-0.6**
Water Year Types[b]												
Wet (31%)	**-0.5**	**-0.7**	**-0.9**	**-1.2**	**-1.3**	**-1.1**	**-0.8**	**-0.6**	**-0.7**	**-0.8**	**-0.6**	**-0.8**
Above Normal (25%)	**-0.6**	**-0.5**	**-0.6**	**-1.4**	**-1.5**	**-1.2**	**-0.8**	**-0.6**	**-0.7**	**-0.9**	**-0.7**	**-0.7**
Below Normal (6%)	**-0.6**	**-0.7**	**-0.7**	**-0.7**	**-0.9**	**-0.9**	**-0.5**	**-0.5**	**-0.6**	**-0.7**	**-0.6**	**-0.5**
Dry (13%)	**-0.5**	**-0.6**	**-0.6**	**-0.6**	**-0.6**	**-0.8**	**-0.5**	**-0.6**	**-0.7**	**-0.9**	**-0.7**	**-0.4**
Critical (25%)	**-0.5**	**-0.5**	**-0.5**	**-0.7**	**-0.4**	**-0.6**	**-0.5**	**-0.5**	**-0.6**	**-0.7**	**-0.5**	**-0.5**

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-31-1-23. Sacramento River d/s of Georgiana Slough, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.9	5.9	8.4	8.3	9.2	8.5	6.8	5.4	5.3	5.6	5.4	5.7
20%	4.8	5.3	5.3	7.8	8.5	7.8	5.1	5.0	5.1	5.6	5.3	5.4
30%	4.7	5.0	5.3	6.5	6.7	6.6	4.9	4.9	5.0	5.5	5.2	5.0
40%	4.7	4.8	5.3	5.5	5.7	5.5	4.7	4.8	5.0	5.5	5.2	4.9
50%	4.7	4.7	5.0	5.5	5.3	5.4	4.6	4.6	4.9	5.5	5.1	4.8
60%	4.6	4.7	4.9	5.2	4.9	5.1	4.6	4.6	4.9	5.4	5.1	4.8
70%	4.6	4.6	4.8	5.1	4.8	4.8	4.5	4.6	4.8	5.4	5.0	4.8
80%	4.5	4.5	4.7	5.0	4.7	4.5	4.5	4.5	4.8	5.2	4.9	4.8
90%	4.5	4.4	4.7	4.6	4.5	4.4	4.3	4.4	4.8	5.1	4.8	4.6
Long Term												
Full Simulation Period[a]	4.7	5.0	5.7	6.0	6.2	6.0	5.1	4.8	5.0	5.4	5.1	5.0
Water Year Types[b]												
Wet (31%)	4.9	6.0	7.9	7.4	8.5	8.1	6.6	5.3	5.4	5.6	5.4	5.7
Above Normal (25%)	4.5	4.6	5.1	8.2	8.2	7.2	5.1	4.8	4.8	5.4	5.1	5.0
Below Normal (6%)	4.7	4.8	4.8	5.6	5.7	5.3	4.6	4.6	4.9	5.0	4.9	4.8
Dry (13%)	4.7	4.8	5.0	5.0	4.9	5.3	4.6	4.8	5.0	5.5	5.2	4.8
Critical (25%)	4.7	4.7	4.8	5.0	4.6	4.5	4.4	4.5	4.8	5.2	4.9	4.7

Alternative 7 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.4	5.4	7.6	7.1	8.1	7.4	5.8	4.6	4.6	4.9	4.7	4.9
20%	4.3	4.8	4.8	6.7	7.3	6.6	4.4	4.3	4.5	4.8	4.6	4.8
30%	4.2	4.3	4.7	5.5	5.6	5.4	4.3	4.3	4.5	4.7	4.6	4.4
40%	4.2	4.3	4.6	4.7	4.7	4.6	4.2	4.2	4.4	4.7	4.5	4.3
50%	4.2	4.2	4.5	4.7	4.6	4.5	4.1	4.2	4.4	4.7	4.5	4.3
60%	4.1	4.2	4.3	4.5	4.6	4.4	4.0	4.1	4.3	4.6	4.4	4.3
70%	4.1	4.2	4.3	4.5	4.3	4.2	4.0	4.1	4.2	4.5	4.4	4.3
80%	4.1	4.0	4.1	4.2	4.2	4.0	4.0	4.0	4.2	4.5	4.4	4.2
90%	4.0	3.9	4.1	4.1	4.0	3.9	3.9	3.9	4.2	4.4	4.3	4.1
Long Term												
Full Simulation Period[a]	4.2	4.5	5.1	5.2	5.4	5.2	4.5	4.3	4.4	4.7	4.5	4.4
Water Year Types[b]												
Wet (31%)	4.4	5.4	7.2	6.2	7.4	7.1	5.8	4.7	4.7	4.9	4.7	5.0
Above Normal (25%)	3.9	4.1	4.6	7.1	7.1	5.9	4.4	4.3	4.3	4.5	4.5	4.4
Below Normal (6%)	4.1	4.2	4.1	4.9	4.8	4.5	4.1	4.1	4.2	4.4	4.3	4.2
Dry (13%)	4.2	4.2	4.4	4.4	4.3	4.6	4.1	4.2	4.4	4.7	4.5	4.2
Critical (25%)	4.1	4.2	4.3	4.3	4.2	4.0	3.9	4.1	4.3	4.5	4.4	4.2

Alternative 7 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	**-0.5**	**-0.5**	**-0.8**	**-1.3**	**-1.1**	**-1.1**	**-1.0**	**-0.7**	**-0.6**	**-0.7**	**-0.7**	**-0.8**
20%	**-0.5**	**-0.5**	**-0.6**	**-1.1**	**-1.2**	**-1.2**	**-0.7**	**-0.6**	**-0.6**	**-0.8**	**-0.6**	**-0.5**
30%	**-0.5**	**-0.7**	**-0.6**	**-1.0**	**-1.1**	**-1.2**	**-0.6**	**-0.6**	**-0.6**	**-0.8**	**-0.7**	**-0.6**
40%	**-0.5**	**-0.6**	**-0.6**	**-0.8**	**-0.9**	**-0.9**	**-0.5**	**-0.5**	**-0.6**	**-0.8**	**-0.6**	**-0.6**
50%	**-0.5**	**-0.5**	**-0.5**	**-0.8**	**-0.7**	**-0.9**	**-0.6**	**-0.4**	**-0.5**	**-0.8**	**-0.6**	**-0.6**
60%	**-0.5**	**-0.5**	**-0.6**	**-0.6**	**-0.3**	**-0.7**	**-0.5**	**-0.5**	**-0.5**	**-0.8**	**-0.6**	**-0.5**
70%	**-0.5**	**-0.5**	**-0.5**	**-0.6**	**-0.5**	**-0.6**	**-0.5**	**-0.5**	**-0.6**	**-0.8**	**-0.6**	**-0.6**
80%	**-0.5**	**-0.5**	**-0.6**	**-0.8**	**-0.5**	**-0.5**	**-0.5**	**-0.5**	**-0.6**	**-0.8**	**-0.6**	**-0.5**
90%	**-0.5**	**-0.5**	**-0.6**	**-0.5**	**-0.4**	**-0.5**	**-0.4**	**-0.4**	**-0.6**	**-0.7**	**-0.5**	**-0.5**
Long Term												
Full Simulation Period[a]	**-0.5**	**-0.5**	**-0.6**	**-0.8**	**-0.8**	**-0.8**	**-0.6**	**-0.5**	**-0.6**	**-0.8**	**-0.6**	**-0.6**
Water Year Types[b]												
Wet (31%)	**-0.5**	**-0.6**	**-0.8**	**-1.1**	**-1.1**	**-1.1**	**-0.8**	**-0.6**	**-0.6**	**-0.7**	**-0.7**	**-0.7**
Above Normal (25%)	**-0.5**	**-0.5**	**-0.6**	**-1.1**	**-1.2**	**-1.2**	**-0.8**	**-0.5**	**-0.6**	**-0.8**	**-0.7**	**-0.7**
Below Normal (6%)	**-0.6**	**-0.7**	**-0.7**	**-0.7**	**-0.9**	**-0.8**	**-0.5**	**-0.5**	**-0.7**	**-0.7**	**-0.6**	**-0.6**
Dry (13%)	**-0.5**	**-0.6**	**-0.6**	**-0.6**	**-0.6**	**-0.8**	**-0.5**	**-0.6**	**-0.6**	**-0.7**	**-0.6**	**-0.5**
Critical (25%)	**-0.5**	**-0.5**	**-0.5**	**-0.7**	**-0.4**	**-0.6**	**-0.5**	**-0.4**	**-0.5**	**-0.7**	**-0.5**	**-0.5**

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-31-1-24. Sacramento River d/s of Georgiana Slough, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.9	5.9	8.4	8.3	9.2	8.5	6.8	5.4	5.3	5.6	5.4	5.7
20%	4.8	5.3	5.3	7.8	8.5	7.8	5.1	5.0	5.1	5.6	5.3	5.4
30%	4.7	5.0	5.3	6.5	6.7	6.6	4.9	4.9	5.0	5.5	5.2	5.0
40%	4.7	4.8	5.3	5.5	5.7	5.5	4.7	4.8	5.0	5.5	5.2	4.9
50%	4.7	4.7	5.0	5.5	5.3	5.4	4.6	4.6	4.9	5.5	5.1	4.8
60%	4.6	4.7	4.9	5.2	4.9	5.1	4.6	4.6	4.9	5.4	5.1	4.8
70%	4.6	4.6	4.8	5.1	4.8	4.8	4.5	4.6	4.8	5.4	5.0	4.8
80%	4.5	4.5	4.7	5.0	4.7	4.5	4.5	4.5	4.8	5.2	4.9	4.8
90%	4.5	4.4	4.7	4.6	4.5	4.4	4.3	4.4	4.8	5.1	4.8	4.6
Long Term												
Full Simulation Period[a]	4.7	5.0	5.7	6.0	6.2	6.0	5.1	4.8	5.0	5.4	5.1	5.0
Water Year Types[b]												
Wet (31%)	4.9	6.0	7.9	7.4	8.5	8.1	6.6	5.3	5.4	5.6	5.4	5.7
Above Normal (25%)	4.5	4.6	5.1	8.2	8.2	7.2	5.1	4.8	4.8	5.4	5.1	5.0
Below Normal (6%)	4.7	4.8	4.8	5.6	5.7	5.3	4.6	4.6	4.9	5.0	4.9	4.8
Dry (13%)	4.7	4.8	5.0	5.0	4.9	5.3	4.6	4.8	5.0	5.5	5.2	4.8
Critical (25%)	4.7	4.7	4.8	5.0	4.6	4.5	4.4	4.5	4.8	5.2	4.9	4.7

Alternative 8 (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.4	5.5	7.6	7.1	8.1	7.4	6.0	4.7	4.6	4.8	4.6	4.9
20%	4.2	4.9	4.7	6.7	7.3	6.5	4.5	4.4	4.5	4.6	4.5	4.8
30%	4.2	4.3	4.7	5.6	5.9	5.6	4.4	4.4	4.4	4.6	4.5	4.3
40%	4.1	4.3	4.6	5.0	4.7	4.8	4.2	4.3	4.4	4.6	4.5	4.3
50%	4.0	4.2	4.5	4.8	4.7	4.6	4.2	4.3	4.4	4.6	4.5	4.3
60%	4.0	4.2	4.3	4.6	4.6	4.5	4.1	4.2	4.3	4.5	4.4	4.3
70%	4.0	4.1	4.3	4.5	4.3	4.3	4.1	4.2	4.2	4.4	4.3	4.2
80%	3.9	3.9	4.1	4.2	4.2	4.1	4.0	4.1	4.2	4.4	4.3	4.1
90%	3.9	3.9	4.1	4.1	4.1	4.0	4.0	4.1	4.2	4.3	4.3	4.1
Long Term												
Full Simulation Period[a]	4.1	4.5	5.1	5.3	5.5	5.3	4.6	4.4	4.4	4.6	4.5	4.4
Water Year Types[b]												
Wet (31%)	4.3	5.5	7.2	6.3	7.4	7.1	5.9	4.9	4.7	4.8	4.6	4.9
Above Normal (25%)	3.9	4.0	4.6	7.2	7.1	6.0	4.5	4.4	4.3	4.4	4.4	4.3
Below Normal (6%)	4.0	4.1	4.1	5.0	5.1	4.7	4.1	4.2	4.2	4.2	4.2	4.1
Dry (13%)	4.0	4.2	4.4	4.5	4.4	4.7	4.2	4.2	4.4	4.6	4.5	4.2
Critical (25%)	4.0	4.1	4.3	4.4	4.2	4.1	4.0	4.1	4.2	4.5	4.4	4.2

Alternative 8 (LLT) minus No Action Alternative (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	**-0.6**	**-0.3**	**-0.8**	**-1.2**	**-1.2**	**-1.1**	**-0.9**	**-0.6**	**-0.6**	**-0.8**	**-0.7**	**-0.9**
20%	**-0.6**	**-0.5**	**-0.6**	**-1.1**	**-1.2**	**-1.2**	**-0.6**	**-0.6**	**-0.7**	**-0.9**	**-0.7**	**-0.6**
30%	**-0.6**	**-0.7**	**-0.6**	**-0.9**	**-0.8**	**-1.0**	**-0.5**	**-0.5**	**-0.6**	**-0.9**	**-0.7**	**-0.7**
40%	**-0.6**	**-0.6**	**-0.7**	**-0.6**	**-1.0**	**-0.8**	**-0.5**	**-0.4**	**-0.6**	**-0.9**	**-0.7**	**-0.6**
50%	**-0.7**	**-0.6**	**-0.5**	**-0.7**	**-0.6**	**-0.8**	**-0.5**	**-0.3**	**-0.5**	**-0.9**	**-0.6**	**-0.6**
60%	**-0.6**	**-0.5**	**-0.6**	**-0.6**	**-0.3**	**-0.6**	**-0.4**	**-0.3**	**-0.6**	**-0.9**	**-0.7**	**-0.5**
70%	**-0.6**	**-0.5**	**-0.5**	**-0.6**	**-0.5**	**-0.5**	**-0.4**	**-0.4**	**-0.6**	**-0.9**	**-0.7**	**-0.6**
80%	**-0.6**	**-0.6**	**-0.6**	**-0.8**	**-0.5**	**-0.4**	**-0.5**	**-0.4**	**-0.6**	**-0.8**	**-0.7**	**-0.6**
90%	**-0.6**	**-0.5**	**-0.6**	**-0.5**	**-0.4**	**-0.4**	**-0.3**	**-0.3**	**-0.6**	**-0.8**	**-0.6**	**-0.6**
Long Term												
Full Simulation Period[a]	**-0.6**	**-0.5**	**-0.6**	**-0.8**	**-0.7**	**-0.7**	**-0.5**	**-0.4**	**-0.6**	**-0.8**	**-0.7**	**-0.6**
Water Year Types[b]												
Wet (31%)	**-0.6**	**-0.5**	**-0.7**	**-1.0**	**-1.1**	**-1.1**	**-0.8**	**-0.4**	**-0.6**	**-0.8**	**-0.7**	**-0.8**
Above Normal (25%)	**-0.5**	**-0.5**	**-0.6**	**-1.0**	**-1.1**	**-1.1**	**-0.7**	**-0.5**	**-0.6**	**-1.0**	**-0.8**	**-0.7**
Below Normal (6%)	**-0.7**	**-0.7**	**-0.7**	**-0.6**	**-0.6**	**-0.7**	**-0.5**	**-0.3**	**-0.7**	**-0.8**	**-0.7**	**-0.7**
Dry (13%)	**-0.6**	**-0.6**	**-0.6**	**-0.5**	**-0.5**	**-0.6**	**-0.4**	**-0.5**	**-0.6**	**-0.9**	**-0.7**	**-0.5**
Critical (25%)	**-0.6**	**-0.5**	**-0.5**	**-0.6**	**-0.4**	**-0.5**	**-0.4**	**-0.3**	**-0.5**	**-0.8**	**-0.5**	**-0.5**

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-31-1-25. Sacramento River d/s of Georgiana Slough, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.9	5.9	8.4	8.3	9.2	8.5	6.8	5.4	5.3	5.6	5.4	5.7
20%	4.8	5.3	5.3	7.8	8.5	7.8	5.1	5.0	5.1	5.6	5.3	5.4
30%	4.7	5.0	5.3	6.5	6.7	6.6	4.9	4.9	5.0	5.5	5.2	5.0
40%	4.7	4.8	5.3	5.5	5.7	5.5	4.7	4.8	5.0	5.5	5.2	4.9
50%	4.7	4.7	5.0	5.5	5.3	5.4	4.6	4.6	4.9	5.5	5.1	4.8
60%	4.6	4.7	4.9	5.2	4.9	5.1	4.6	4.6	4.9	5.4	5.1	4.8
70%	4.6	4.6	4.8	5.1	4.8	4.8	4.5	4.6	4.8	5.4	5.0	4.8
80%	4.5	4.5	4.7	5.0	4.7	4.5	4.5	4.5	4.8	5.2	4.9	4.8
90%	4.5	4.4	4.7	4.6	4.5	4.4	4.3	4.4	4.8	5.1	4.8	4.6
Long Term												
Full Simulation Period[a]	4.7	5.0	5.7	6.0	6.2	6.0	5.1	4.8	5.0	5.4	5.1	5.0
Water Year Types[b]												
Wet (31%)	4.9	6.0	7.9	7.4	8.5	8.1	6.6	5.3	5.4	5.6	5.4	5.7
Above Normal (25%)	4.5	4.6	5.1	8.2	8.2	7.2	5.1	4.8	4.8	5.4	5.1	5.0
Below Normal (6%)	4.7	4.8	4.8	5.6	5.7	5.3	4.6	4.6	4.9	5.0	4.9	4.8
Dry (13%)	4.7	4.8	5.0	5.0	4.9	5.3	4.6	4.8	5.0	5.5	5.2	4.8
Critical (25%)	4.7	4.7	4.8	5.0	4.6	4.5	4.4	4.5	4.8	5.2	4.9	4.7

Alternative 9 (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.4	5.5	8.2	8.1	9.3	8.5	6.4	4.8	4.6	4.9	4.8	5.2
20%	4.3	4.8	4.6	7.5	8.5	7.5	4.4	4.3	4.5	4.8	4.7	5.0
30%	4.3	4.4	4.6	5.8	6.1	6.0	4.3	4.2	4.5	4.8	4.6	4.4
40%	4.1	4.3	4.5	4.8	5.1	4.9	4.1	4.2	4.4	4.7	4.6	4.4
50%	4.1	4.2	4.4	4.8	4.6	4.7	4.0	4.2	4.3	4.7	4.6	4.3
60%	4.1	4.2	4.3	4.5	4.2	4.4	4.0	4.1	4.3	4.7	4.5	4.3
70%	4.0	4.1	4.3	4.4	4.2	4.2	4.0	4.1	4.3	4.6	4.5	4.3
80%	4.0	3.9	4.1	4.1	4.1	4.0	4.0	4.0	4.2	4.5	4.4	4.2
90%	4.0	3.9	4.1	4.0	3.9	3.9	3.8	3.9	4.2	4.4	4.3	4.1
Long Term												
Full Simulation Period[a]	4.2	4.6	5.2	5.5	5.7	5.5	4.6	4.3	4.4	4.7	4.6	4.5
Water Year Types[b]												
Wet (31%)	4.4	5.6	7.7	6.9	8.4	8.0	6.3	4.8	4.8	4.9	4.8	5.2
Above Normal (25%)	3.9	4.0	4.5	8.0	8.0	6.7	4.5	4.2	4.2	4.6	4.5	4.4
Below Normal (6%)	4.1	4.3	4.1	4.9	5.1	4.7	4.0	4.0	4.3	4.4	4.4	4.2
Dry (13%)	4.2	4.2	4.3	4.4	4.3	4.7	4.1	4.3	4.5	4.7	4.6	4.3
Critical (25%)	4.1	4.2	4.3	4.3	4.1	4.0	3.9	4.0	4.2	4.6	4.4	4.2

Alternative 9 (LLT) minus No Action Alternative (LLT)

Statistic	Monthly Averaged Daily Maximum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	**-0.5**	**-0.4**	**-0.2**	**-0.3**	0.0	**0.0**	**-0.5**	**-0.6**	**-0.6**	**-0.7**	**-0.6**	**-0.5**
20%	**-0.5**	**-0.5**	**-0.7**	**-0.3**	**-0.1**	**-0.3**	**-0.7**	**-0.7**	**-0.6**	**-0.8**	**-0.6**	**-0.3**
30%	**-0.5**	**-0.6**	**-0.7**	**-0.6**	**-0.5**	**-0.6**	**-0.6**	**-0.6**	**-0.5**	**-0.8**	**-0.6**	**-0.6**
40%	**-0.6**	**-0.5**	**-0.7**	**-0.7**	**-0.6**	**-0.7**	**-0.6**	**-0.6**	**-0.5**	**-0.8**	**-0.6**	**-0.5**
50%	**-0.6**	**-0.5**	**-0.6**	**-0.7**	**-0.7**	**-0.7**	**-0.6**	**-0.4**	**-0.6**	**-0.8**	**-0.5**	**-0.5**
60%	**-0.5**	**-0.5**	**-0.6**	**-0.7**	**-0.6**	**-0.7**	**-0.5**	**-0.4**	**-0.6**	**-0.7**	**-0.6**	**-0.5**
70%	**-0.5**	**-0.5**	**-0.5**	**-0.7**	**-0.6**	**-0.6**	**-0.6**	**-0.5**	**-0.6**	**-0.8**	**-0.5**	**-0.5**
80%	**-0.5**	**-0.6**	**-0.6**	**-0.9**	**-0.6**	**-0.6**	**-0.5**	**-0.5**	**-0.6**	**-0.7**	**-0.6**	**-0.5**
90%	**-0.5**	**-0.5**	**-0.6**	**-0.6**	**-0.5**	**-0.6**	**-0.5**	**-0.5**	**-0.6**	**-0.6**	**-0.5**	**-0.5**
Long Term												
Full Simulation Period[a]	**-0.5**	**-0.5**	**-0.5**	**-0.6**	**-0.4**	**-0.5**	**-0.5**	**-0.5**	**-0.6**	**-0.7**	**-0.6**	**-0.5**
Water Year Types[b]												
Wet (31%)	**-0.5**	**-0.4**	**-0.2**	**-0.4**	**-0.1**	**-0.1**	**-0.3**	**-0.5**	**-0.6**	**-0.7**	**-0.6**	**-0.5**
Above Normal (25%)	**-0.6**	**-0.5**	**-0.7**	**-0.2**	**-0.2**	**-0.4**	**-0.6**	**-0.6**	**-0.6**	**-0.8**	**-0.6**	**-0.6**
Below Normal (6%)	**-0.6**	**-0.5**	**-0.6**	**-0.7**	**-0.6**	**-0.7**	**-0.6**	**-0.6**	**-0.6**	**-0.7**	**-0.6**	**-0.5**
Dry (13%)	**-0.5**	**-0.6**	**-0.7**	**-0.7**	**-0.6**	**-0.6**	**-0.5**	**-0.5**	**-0.6**	**-0.8**	**-0.6**	**-0.5**
Critical (25%)	**-0.5**	**-0.5**	**-0.6**	**-0.7**	**-0.5**	**-0.6**	**-0.5**	**-0.5**	**-0.6**	**-0.7**	**-0.5**	**-0.5**

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-31-2-1. Sacramento River d/s of Georgiana Slough, Monthly Averaged Daily Minimum Elevation

Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.1	3.1	6.2	5.9	7.4	6.8	4.3	1.9	0.6	0.9	0.6	0.8
20%	0.3	2.3	1.6	4.7	6.6	5.3	1.3	0.6	0.2	0.7	0.5	0.4
30%	0.2	0.5	1.1	3.2	3.5	3.9	1.0	0.5	0.2	0.7	0.4	0.3
40%	0.1	0.3	0.7	1.6	2.7	2.8	0.6	0.5	0.2	0.6	0.4	0.3
50%	0.1	0.1	0.7	1.5	1.6	2.2	0.5	0.4	0.1	0.6	0.4	0.3
60%	0.1	0.1	0.5	1.0	0.6	2.0	0.4	0.2	0.1	0.6	0.4	0.2
70%	0.0	0.0	0.3	0.6	0.6	1.1	0.4	0.1	0.0	0.5	0.3	0.2
80%	0.0	-0.1	0.3	0.4	0.5	0.5	0.2	0.0	-0.1	0.4	0.2	0.1
90%	-0.1	-0.2	-0.1	0.2	0.2	0.2	0.1	-0.1	-0.1	0.4	0.2	0.1
Long Term												
Full Simulation Period[a]	0.3	0.9	1.7	2.3	2.8	3.0	1.4	0.8	0.4	0.7	0.4	0.4
Water Year Types[b]												
Wet (31%)	0.8	2.8	5.2	4.4	6.3	6.3	3.6	2.2	1.6	1.1	0.6	1.1
Above Normal (25%)	0.0	0.3	1.0	5.8	5.5	4.7	1.9	0.9	0.2	0.5	0.4	0.3
Below Normal (6%)	0.3	0.1	0.0	1.6	2.7	2.3	0.6	0.6	0.2	0.6	0.4	0.2
Dry (13%)	0.1	0.5	0.6	0.7	0.9	2.0	0.6	0.3	0.1	0.6	0.5	0.2
Critical (25%)	0.2	0.1	0.4	0.7	0.4	0.6	0.2	-0.1	-0.1	0.5	0.2	0.1

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.7	3.1	6.8	6.9	8.1	7.3	5.0	2.3	1.6	2.3	1.7	2.9
20%	1.5	2.4	2.2	6.1	7.4	6.4	2.3	1.7	1.4	2.2	1.7	2.3
30%	1.4	1.8	2.1	4.2	4.7	4.8	2.0	1.6	1.3	2.1	1.6	1.8
40%	1.4	1.5	1.9	2.7	3.2	3.4	1.7	1.5	1.3	1.9	1.6	1.5
50%	1.4	1.4	1.7	2.5	2.5	3.0	1.6	1.4	1.3	1.9	1.5	1.4
60%	1.3	1.3	1.6	2.1	1.7	2.5	1.5	1.3	1.2	1.8	1.5	1.4
70%	1.3	1.2	1.4	1.9	1.6	2.0	1.5	1.3	1.2	1.7	1.4	1.4
80%	1.3	1.1	1.3	1.6	1.6	1.5	1.4	1.2	1.1	1.5	1.4	1.3
90%	1.1	1.0	1.1	1.3	1.3	1.4	1.2	1.0	1.1	1.4	1.3	1.3
Long Term												
Full Simulation Period[a]	1.4	1.9	2.7	3.4	3.8	3.8	2.4	1.6	1.4	1.8	1.5	1.8
Water Year Types[b]												
Wet (31%)	1.7	3.3	6.0	5.5	7.1	6.8	4.5	2.4	1.9	2.1	1.7	2.8
Above Normal (25%)	1.3	1.3	2.1	6.6	6.7	5.6	2.6	1.7	1.3	2.1	1.7	1.8
Below Normal (6%)	1.5	1.5	1.4	2.7	3.2	2.9	1.7	1.4	1.4	1.5	1.5	1.4
Dry (13%)	1.3	1.6	1.6	1.8	2.0	2.7	1.6	1.5	1.3	1.9	1.6	1.3
Critical (25%)	1.3	1.3	1.4	1.9	1.5	1.7	1.3	1.1	1.1	1.6	1.4	1.3

No Action Alternative (LLT) minus Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.6	0.0	0.6	1.1	0.7	0.6	0.7	0.4	1.0	1.4	1.1	2.1
20%	1.2	0.1	0.6	1.4	0.8	1.1	1.0	1.1	1.2	1.5	1.2	1.9
30%	1.2	1.3	1.0	0.9	1.2	0.9	0.9	1.1	1.1	1.4	1.2	1.5
40%	1.3	1.3	1.1	1.1	0.5	0.6	1.0	1.0	1.1	1.3	1.2	1.2
50%	1.3	1.3	1.0	1.0	0.9	0.8	1.0	1.0	1.1	1.3	1.1	1.1
60%	1.3	1.2	1.1	1.1	1.1	0.5	1.1	1.1	1.1	1.3	1.1	1.2
70%	1.3	1.2	1.0	1.3	1.0	0.9	1.1	1.1	1.2	1.2	1.1	1.2
80%	1.3	1.2	1.0	1.2	1.0	1.0	1.1	1.2	1.2	1.1	1.2	1.2
90%	1.2	1.2	1.2	1.1	1.1	1.2	1.1	1.2	1.2	1.0	1.2	1.2
Long Term												
Full Simulation Period[a]	1.1	1.0	1.0	1.0	1.0	0.8	1.0	0.9	1.0	1.2	1.1	1.3
Water Year Types[b]												
Wet (31%)	0.9	0.4	0.8	1.0	0.8	0.5	0.9	0.2	0.3	1.0	1.1	1.7
Above Normal (25%)	1.3	1.0	1.1	0.8	1.1	1.0	0.7	0.8	1.1	1.6	1.2	1.5
Below Normal (6%)	1.2	1.4	1.3	1.1	0.5	0.7	1.0	0.8	1.2	0.9	1.1	1.2
Dry (13%)	1.3	1.0	1.0	1.0	1.0	0.8	1.1	1.2	1.1	1.3	1.1	1.1
Critical (25%)	1.2	1.2	1.0	1.2	1.0	1.1	1.2	1.2	1.2	1.1	1.1	1.2

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

Table C-31-2-2. Sacramento River d/s of Georgiana Slough, Monthly Averaged Daily Minimum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.1	3.1	6.2	5.9	7.4	6.8	4.3	1.9	0.6	0.9	0.6	0.8
20%	0.3	2.3	1.6	4.7	6.6	5.3	1.3	0.6	0.2	0.7	0.5	0.4
30%	0.2	0.5	1.1	3.2	3.5	3.9	1.0	0.5	0.2	0.7	0.4	0.3
40%	0.1	0.3	0.7	1.6	2.7	2.8	0.6	0.5	0.2	0.6	0.4	0.3
50%	0.1	0.1	0.7	1.5	1.6	2.2	0.5	0.4	0.1	0.6	0.4	0.3
60%	0.1	0.1	0.5	1.0	0.6	2.0	0.4	0.2	0.1	0.6	0.4	0.2
70%	0.0	0.0	0.3	0.6	0.6	1.1	0.4	0.1	0.0	0.5	0.3	0.2
80%	0.0	-0.1	0.3	0.4	0.5	0.5	0.2	0.0	-0.1	0.4	0.2	0.1
90%	-0.1	-0.2	-0.1	0.2	0.2	0.2	0.1	-0.1	-0.1	0.4	0.2	0.1
Long Term												
Full Simulation Period[a]	0.3	0.9	1.7	2.3	2.8	3.0	1.4	0.8	0.4	0.7	0.4	0.4
Water Year Types[b]												
Wet (31%)	0.8	2.8	5.2	4.4	6.3	6.3	3.6	2.2	1.6	1.1	0.6	1.1
Above Normal (25%)	0.0	0.3	1.0	5.8	5.5	4.7	1.9	0.9	0.2	0.5	0.4	0.3
Below Normal (6%)	0.3	0.1	0.0	1.6	2.7	2.3	0.6	0.6	0.2	0.6	0.4	0.2
Dry (13%)	0.1	0.5	0.6	0.7	0.9	2.0	0.6	0.3	0.1	0.6	0.5	0.2
Critical (25%)	0.2	0.1	0.4	0.7	0.4	0.6	0.2	-0.1	-0.1	0.5	0.2	0.1

Alternative 1A,1B,1C (LLT)

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.4	2.6	5.7	5.6	6.9	6.2	4.0	2.0	2.1	2.4	2.1	2.1
20%	2.1	2.2	2.1	4.8	6.0	5.0	2.2	1.8	2.0	2.4	2.1	2.0
30%	2.0	2.0	2.1	3.6	3.6	3.9	2.1	1.8	1.9	2.4	2.1	2.0
40%	1.9	1.7	2.0	2.4	2.5	2.6	1.9	1.7	1.8	2.3	1.9	1.9
50%	1.8	1.6	2.0	2.2	2.2	2.4	1.8	1.7	1.8	2.1	1.9	1.9
60%	1.8	1.5	1.8	2.0	1.8	2.3	1.8	1.6	1.7	2.0	1.9	1.8
70%	1.7	1.5	1.7	1.7	1.7	2.0	1.7	1.6	1.7	1.9	1.8	1.8
80%	1.7	1.4	1.6	1.6	1.7	1.7	1.6	1.5	1.7	1.9	1.8	1.7
90%	1.6	1.4	1.5	1.6	1.6	1.6	1.5	1.3	1.6	1.8	1.7	1.6
Long Term												
Full Simulation Period[a]	1.9	1.9	2.7	3.0	3.3	3.3	2.4	1.8	1.8	2.1	1.9	1.9
Water Year Types[b]												
Wet (31%)	1.8	3.1	5.3	4.5	6.0	5.8	4.0	2.2	2.1	2.3	1.9	2.0
Above Normal (25%)	2.0	1.4	2.1	5.3	5.6	4.6	2.2	1.7	1.7	2.1	1.8	1.6
Below Normal (6%)	2.6	1.5	1.6	2.4	2.5	2.4	1.9	1.6	1.8	1.8	1.6	1.7
Dry (13%)	1.7	1.6	1.8	2.0	1.8	2.5	1.9	1.8	1.8	2.3	2.1	1.9
Critical (25%)	2.1	1.6	1.7	1.7	1.7	1.7	1.6	1.4	1.6	2.0	1.9	1.9

Alternative 1A,1B,1C (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.4	**-0.5**	**-0.5**	**-0.3**	**-0.5**	**-0.6**	**-0.3**	0.1	1.5	1.5	1.5	1.2
20%	1.8	**0.0**	0.6	0.1	**-0.5**	**-0.2**	0.9	1.2	1.7	1.7	1.6	1.6
30%	1.8	1.5	1.0	0.4	0.1	**-0.1**	1.1	1.2	1.7	1.7	1.6	1.6
40%	1.7	1.5	1.3	0.8	**-0.2**	**-0.2**	1.2	1.2	1.6	1.6	1.5	1.6
50%	1.8	1.5	1.3	0.7	0.6	0.2	1.3	1.3	1.7	1.5	1.5	1.6
60%	1.7	1.4	1.3	0.9	1.1	0.3	1.4	1.4	1.6	1.4	1.5	1.6
70%	1.7	1.4	1.4	1.1	1.1	0.9	1.4	1.5	1.7	1.5	1.5	1.6
80%	1.7	1.5	1.3	1.2	1.2	1.2	1.4	1.5	1.8	1.5	1.5	1.6
90%	1.7	1.5	1.6	1.4	1.5	1.4	1.4	1.5	1.7	1.4	1.6	1.5
Long Term												
Full Simulation Period[a]	1.7	1.0	1.0	0.6	0.5	0.3	1.0	1.0	1.4	1.5	1.5	1.4
Water Year Types[b]												
Wet (31%)	1.0	0.2	0.0	0.0	**-0.3**	**-0.5**	0.4	0.0	0.5	1.2	1.3	0.9
Above Normal (25%)	2.0	1.2	1.2	**-0.4**	0.0	**-0.1**	0.3	0.9	1.5	1.6	1.4	1.3
Below Normal (6%)	2.3	1.3	1.6	0.8	**-0.2**	0.1	1.2	1.0	1.7	1.2	1.2	1.5
Dry (13%)	1.6	1.1	1.2	1.2	0.9	0.5	1.3	1.4	1.7	1.7	1.6	1.6
Critical (25%)	1.9	1.5	1.4	1.0	1.3	1.1	1.4	1.5	1.8	1.5	1.7	1.8

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-31-2-3. Sacramento River d/s of Georgiana Slough, Monthly Averaged Daily Minimum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.1	3.1	6.2	5.9	7.4	6.8	4.3	1.9	0.6	0.9	0.6	0.8
20%	0.3	2.3	1.6	4.7	6.6	5.3	1.3	0.6	0.2	0.7	0.5	0.4
30%	0.2	0.5	1.1	3.2	3.5	3.9	1.0	0.5	0.2	0.7	0.4	0.3
40%	0.1	0.3	0.7	1.6	2.7	2.8	0.6	0.5	0.2	0.6	0.4	0.3
50%	0.1	0.1	0.7	1.5	1.6	2.2	0.5	0.4	0.1	0.6	0.4	0.3
60%	0.1	0.1	0.5	1.0	0.6	2.0	0.4	0.2	0.1	0.6	0.4	0.2
70%	0.0	0.0	0.3	0.6	0.6	1.1	0.4	0.1	0.0	0.5	0.3	0.2
80%	0.0	-0.1	0.3	0.4	0.5	0.5	0.2	0.0	-0.1	0.4	0.2	0.1
90%	-0.1	-0.2	-0.1	0.2	0.2	0.2	0.1	-0.1	-0.1	0.4	0.2	0.1
Long Term												
Full Simulation Period[a]	0.3	0.9	1.7	2.3	2.8	3.0	1.4	0.8	0.4	0.7	0.4	0.4
Water Year Types[b]												
Wet (31%)	0.8	2.8	5.2	4.4	6.3	6.3	3.6	2.2	1.6	1.1	0.6	1.1
Above Normal (25%)	0.0	0.3	1.0	5.8	5.5	4.7	1.9	0.9	0.2	0.5	0.4	0.3
Below Normal (6%)	0.3	0.1	0.0	1.6	2.7	2.3	0.6	0.6	0.2	0.6	0.4	0.2
Dry (13%)	0.1	0.5	0.6	0.7	0.9	2.0	0.6	0.3	0.1	0.6	0.5	0.2
Critical (25%)	0.2	0.1	0.4	0.7	0.4	0.6	0.2	-0.1	-0.1	0.5	0.2	0.1

Alternative 2A,2B,2C (LLT)

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.0	2.4	5.5	5.4	6.7	6.0	3.9	2.0	2.0	2.5	2.1	2.5
20%	1.9	2.2	2.1	4.7	5.9	4.9	2.2	1.9	1.9	2.4	2.1	2.2
30%	1.8	1.8	2.0	3.4	3.4	3.5	1.9	1.8	1.8	2.4	2.1	2.0
40%	1.8	1.8	2.0	2.2	2.4	2.5	1.8	1.7	1.8	2.3	2.0	2.0
50%	1.7	1.7	1.9	2.1	2.1	2.4	1.8	1.6	1.7	2.2	2.0	1.9
60%	1.7	1.5	1.8	2.1	1.7	2.2	1.7	1.6	1.7	2.1	1.9	1.9
70%	1.6	1.5	1.8	1.8	1.7	1.9	1.6	1.5	1.7	2.0	1.8	1.9
80%	1.6	1.5	1.6	1.6	1.6	1.6	1.6	1.5	1.6	1.9	1.8	1.9
90%	1.5	1.4	1.5	1.6	1.4	1.6	1.5	1.3	1.6	1.7	1.8	1.8
Long Term												
Full Simulation Period[a]	1.7	1.9	2.6	2.9	3.2	3.2	2.3	1.7	1.8	2.2	1.9	2.0
Water Year Types[b]												
Wet (31%)	1.8	2.7	5.1	4.4	5.9	5.6	3.9	2.2	2.0	2.4	1.9	2.5
Above Normal (25%)	1.9	1.4	2.1	5.1	5.3	4.5	2.0	1.8	1.6	2.4	1.9	1.8
Below Normal (6%)	1.7	1.5	1.6	2.4	2.4	2.3	1.9	1.6	1.7	1.7	1.7	1.8
Dry (13%)	1.6	1.7	1.8	1.7	1.8	2.2	1.8	1.8	1.8	2.3	2.0	1.9
Critical (25%)	1.8	1.7	1.7	1.9	1.6	1.7	1.6	1.4	1.6	2.0	1.9	1.9

Alternative 2A,2B,2C (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.9	**-0.7**	**-0.7**	**-0.4**	**-0.7**	**-0.8**	**-0.4**	0.0	1.3	1.6	1.4	1.7
20%	1.6	**-0.1**	0.6	**0.0**	**-0.7**	**-0.4**	0.9	1.3	1.7	1.7	1.6	1.8
30%	1.6	1.3	0.9	0.2	**0.0**	**-0.4**	0.9	1.2	1.6	1.7	1.6	1.7
40%	1.6	1.5	1.3	0.6	**-0.3**	**-0.2**	1.2	1.3	1.6	1.6	1.6	1.7
50%	1.6	1.6	1.2	0.6	0.5	0.1	1.3	1.3	1.6	1.6	1.5	1.7
60%	1.6	1.4	1.3	1.1	1.1	0.2	1.3	1.4	1.6	1.5	1.5	1.7
70%	1.6	1.5	1.4	1.3	1.1	0.8	1.3	1.4	1.7	1.5	1.5	1.7
80%	1.6	1.6	1.3	1.2	1.1	1.1	1.4	1.5	1.7	1.5	1.6	1.8
90%	1.6	1.5	1.6	1.3	1.3	1.4	1.4	1.5	1.7	1.4	1.6	1.7
Long Term												
Full Simulation Period[a]	1.5	1.0	0.9	0.6	0.4	0.2	0.9	1.0	1.3	1.5	1.5	1.6
Water Year Types[b]												
Wet (31%)	1.0	**-0.1**	**-0.2**	**-0.1**	**-0.4**	**-0.7**	0.3	**-0.1**	0.4	1.3	1.3	1.4
Above Normal (25%)	1.9	1.2	1.1	**-0.6**	**-0.2**	**-0.2**	0.1	0.9	1.4	1.9	1.5	1.5
Below Normal (6%)	1.4	1.4	1.6	0.8	**-0.3**	0.0	1.2	1.0	1.5	1.1	1.3	1.6
Dry (13%)	1.5	1.1	1.2	1.0	0.8	0.3	1.2	1.4	1.7	1.7	1.5	1.7
Critical (25%)	1.6	1.6	1.4	1.2	1.2	1.1	1.4	1.5	1.8	1.5	1.7	1.8

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-31-2-4. Sacramento River d/s of Georgiana Slough, Monthly Averaged Daily Minimum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.1	3.1	6.2	5.9	7.4	6.8	4.3	1.9	0.6	0.9	0.6	0.8
20%	0.3	2.3	1.6	4.7	6.6	5.3	1.3	0.6	0.2	0.7	0.5	0.4
30%	0.2	0.5	1.1	3.2	3.5	3.9	1.0	0.5	0.2	0.7	0.4	0.3
40%	0.1	0.3	0.7	1.6	2.7	2.8	0.6	0.5	0.2	0.6	0.4	0.3
50%	0.1	0.1	0.7	1.5	1.6	2.2	0.5	0.4	0.1	0.6	0.4	0.3
60%	0.1	0.1	0.5	1.0	0.6	2.0	0.4	0.2	0.1	0.6	0.4	0.2
70%	0.0	0.0	0.3	0.6	0.6	1.1	0.4	0.1	0.0	0.5	0.3	0.2
80%	0.0	-0.1	0.3	0.4	0.5	0.5	0.2	0.0	-0.1	0.4	0.2	0.1
90%	-0.1	-0.2	-0.1	0.2	0.2	0.2	0.1	-0.1	-0.1	0.4	0.2	0.1
Long Term												
Full Simulation Period[a]	0.3	0.9	1.7	2.3	2.8	3.0	1.4	0.8	0.4	0.7	0.4	0.4
Water Year Types[b]												
Wet (31%)	0.8	2.8	5.2	4.4	6.3	6.3	3.6	2.2	1.6	1.1	0.6	1.1
Above Normal (25%)	0.0	0.3	1.0	5.8	5.5	4.7	1.9	0.9	0.2	0.5	0.4	0.3
Below Normal (6%)	0.3	0.1	0.0	1.6	2.7	2.3	0.6	0.6	0.2	0.6	0.4	0.2
Dry (13%)	0.1	0.5	0.6	0.7	0.9	2.0	0.6	0.3	0.1	0.6	0.5	0.2
Critical (25%)	0.2	0.1	0.4	0.7	0.4	0.6	0.2	-0.1	-0.1	0.5	0.2	0.1

Alternative 3 (LLT)

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.4	3.1	6.4	6.1	7.4	6.7	4.4	2.3	2.2	2.4	2.1	2.1
20%	2.2	2.4	2.3	5.4	6.6	5.5	2.2	1.9	1.9	2.4	2.1	2.0
30%	2.1	1.7	2.2	3.7	3.9	4.1	2.0	1.8	1.8	2.3	2.0	2.0
40%	2.0	1.7	2.0	2.6	2.8	2.7	1.8	1.7	1.8	2.3	2.0	1.9
50%	1.9	1.6	2.0	2.3	2.3	2.6	1.8	1.6	1.7	2.1	1.9	1.9
60%	1.8	1.6	1.9	2.1	1.9	2.3	1.7	1.6	1.7	2.0	1.9	1.8
70%	1.7	1.6	1.7	1.8	1.8	2.1	1.7	1.5	1.7	2.0	1.9	1.8
80%	1.7	1.5	1.7	1.7	1.8	1.7	1.6	1.5	1.7	1.8	1.9	1.8
90%	1.6	1.5	1.5	1.6	1.5	1.6	1.5	1.3	1.6	1.7	1.8	1.8
Long Term												
Full Simulation Period[a]	2.0	2.1	2.8	3.2	3.5	3.5	2.4	1.8	1.9	2.1	1.9	2.0
Water Year Types[b]												
Wet (31%)	1.9	3.3	5.7	4.8	6.4	6.1	4.3	2.4	2.3	2.3	2.0	2.2
Above Normal (25%)	2.1	1.6	2.1	5.9	6.0	4.8	2.4	1.7	1.8	2.1	1.9	1.8
Below Normal (6%)	2.2	1.6	1.7	2.6	2.8	2.5	1.8	1.6	1.8	1.7	1.7	1.7
Dry (13%)	1.7	1.7	1.9	1.9	2.0	2.6	1.8	1.8	1.8	2.3	2.0	1.9
Critical (25%)	2.2	1.6	1.7	1.9	1.7	1.8	1.6	1.4	1.6	2.0	1.9	1.9

Alternative 3 (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.4	**0.0**	0.2	0.2	0.1	**-0.1**	0.1	0.3	1.6	1.5	1.5	1.2
20%	1.9	0.1	0.8	0.7	0.0	0.3	0.9	1.3	1.7	1.7	1.6	1.6
30%	1.9	1.2	1.1	0.5	0.5	0.1	1.0	1.3	1.7	1.7	1.6	1.7
40%	1.9	1.4	1.3	1.0	0.0	**0.0**	1.2	1.2	1.6	1.7	1.6	1.6
50%	1.8	1.5	1.3	0.8	0.7	0.4	1.3	1.3	1.6	1.5	1.5	1.6
60%	1.7	1.5	1.4	1.0	1.2	0.3	1.4	1.4	1.7	1.4	1.5	1.6
70%	1.7	1.5	1.4	1.2	1.2	1.0	1.3	1.4	1.7	1.5	1.5	1.7
80%	1.7	1.6	1.4	1.3	1.2	1.2	1.4	1.5	1.8	1.4	1.6	1.7
90%	1.7	1.6	1.6	1.4	1.3	1.4	1.4	1.4	1.7	1.4	1.6	1.7
Long Term												
Full Simulation Period[a]	1.7	1.1	1.1	0.8	0.7	0.5	1.0	1.1	1.4	1.5	1.5	1.5
Water Year Types[b]												
Wet (31%)	1.1	0.5	0.5	0.4	0.1	**-0.1**	0.6	0.2	0.7	1.2	1.4	1.1
Above Normal (25%)	2.1	1.3	1.2	0.1	0.5	0.1	0.5	0.8	1.6	1.6	1.5	1.5
Below Normal (6%)	1.9	1.5	1.6	1.0	0.0	0.3	1.2	1.0	1.6	1.2	1.3	1.5
Dry (13%)	1.6	1.1	1.3	1.2	1.0	0.7	1.3	1.5	1.7	1.7	1.5	1.6
Critical (25%)	2.0	1.5	1.4	1.2	1.2	1.2	1.4	1.5	1.7	1.5	1.7	1.8

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-31-2-5. Sacramento River d/s of Georgiana Slough, Monthly Averaged Daily Minimum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.1	3.1	6.2	5.9	7.4	6.8	4.3	1.9	0.6	0.9	0.6	0.8
20%	0.3	2.3	1.6	4.7	6.6	5.3	1.3	0.6	0.2	0.7	0.5	0.4
30%	0.2	0.5	1.1	3.2	3.5	3.9	1.0	0.5	0.2	0.7	0.4	0.3
40%	0.1	0.3	0.7	1.6	2.7	2.8	0.6	0.5	0.2	0.6	0.4	0.3
50%	0.1	0.1	0.7	1.5	1.6	2.2	0.5	0.4	0.1	0.6	0.4	0.3
60%	0.1	0.1	0.5	1.0	0.6	2.0	0.4	0.2	0.1	0.6	0.4	0.2
70%	0.0	0.0	0.3	0.6	0.6	1.1	0.4	0.1	0.0	0.5	0.3	0.2
80%	0.0	-0.1	0.3	0.4	0.5	0.5	0.2	0.0	-0.1	0.4	0.2	0.1
90%	-0.1	-0.2	-0.1	0.2	0.2	0.2	0.1	-0.1	-0.1	0.4	0.2	0.1
Long Term												
Full Simulation Period[a]	0.3	0.9	1.7	2.3	2.8	3.0	1.4	0.8	0.4	0.7	0.4	0.4
Water Year Types[b]												
Wet (31%)	0.8	2.8	5.2	4.4	6.3	6.3	3.6	2.2	1.6	1.1	0.6	1.1
Above Normal (25%)	0.0	0.3	1.0	5.8	5.5	4.7	1.9	0.9	0.2	0.5	0.4	0.3
Below Normal (6%)	0.3	0.1	0.0	1.6	2.7	2.3	0.6	0.6	0.2	0.6	0.4	0.2
Dry (13%)	0.1	0.5	0.6	0.7	0.9	2.0	0.6	0.3	0.1	0.6	0.5	0.2
Critical (25%)	0.2	0.1	0.4	0.7	0.4	0.6	0.2	-0.1	-0.1	0.5	0.2	0.1

Alternative 4 H1 (LLT)

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.0	3.0	6.1	5.8	7.3	6.4	4.1	2.1	2.0	2.6	2.1	2.1
20%	2.0	2.3	2.3	5.1	6.3	5.3	2.3	1.9	1.9	2.5	2.1	2.0
30%	2.0	1.7	2.1	3.5	3.7	4.0	1.9	1.8	1.8	2.3	2.0	2.0
40%	1.8	1.6	2.1	2.4	2.6	2.6	1.8	1.7	1.8	2.3	2.0	1.9
50%	1.7	1.6	1.9	2.3	2.3	2.4	1.8	1.6	1.7	2.2	2.0	1.9
60%	1.6	1.5	1.8	2.3	1.8	2.3	1.7	1.6	1.7	2.0	1.9	1.9
70%	1.6	1.5	1.8	2.0	1.7	1.9	1.6	1.5	1.7	2.0	1.9	1.9
80%	1.6	1.5	1.6	1.9	1.7	1.6	1.6	1.5	1.7	1.9	1.8	1.7
90%	1.6	1.4	1.5	1.6	1.5	1.6	1.5	1.3	1.6	1.7	1.8	1.7
Long Term												
Full Simulation Period[a]	1.8	2.0	2.8	3.1	3.4	3.4	2.3	1.8	1.8	2.2	1.9	1.9
Water Year Types[b]												
Wet (31%)	1.8	3.1	5.5	4.6	6.2	5.9	4.1	2.3	2.1	2.4	1.9	2.1
Above Normal (25%)	1.9	1.5	2.1	5.7	5.8	4.7	2.1	1.7	1.7	2.4	1.9	1.7
Below Normal (6%)	2.0	1.6	1.6	2.5	2.7	2.5	1.8	1.6	1.7	1.6	1.6	1.6
Dry (13%)	1.6	1.6	1.9	1.8	1.9	2.5	1.8	1.8	1.8	2.3	2.1	2.0
Critical (25%)	1.8	1.6	1.8	2.0	1.6	1.7	1.6	1.4	1.6	1.9	1.9	1.9

Alternative 4 H1 (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.9	**-0.1**	**-0.1**	**0.0**	**-0.1**	**-0.4**	**-0.2**	0.2	1.4	1.7	1.5	1.3
20%	1.7	0.0	0.7	0.4	**-0.3**	**0.0**	1.0	1.3	1.7	1.8	1.6	1.6
30%	1.7	1.2	1.0	0.3	0.2	0.1	0.9	1.3	1.6	1.7	1.6	1.7
40%	1.7	1.4	1.3	0.8	**-0.1**	**-0.1**	1.2	1.2	1.6	1.7	1.6	1.6
50%	1.6	1.5	1.2	0.8	0.6	0.2	1.2	1.3	1.6	1.6	1.6	1.6
60%	1.6	1.4	1.4	1.2	1.2	0.3	1.3	1.4	1.6	1.4	1.5	1.7
70%	1.6	1.4	1.5	1.5	1.1	0.8	1.3	1.4	1.7	1.5	1.5	1.7
80%	1.6	1.5	1.3	1.4	1.2	1.1	1.4	1.5	1.7	1.5	1.6	1.6
90%	1.6	1.6	1.6	1.3	1.4	1.4	1.4	1.4	1.7	1.4	1.6	1.6
Long Term												
Full Simulation Period[a]	1.5	1.1	1.1	0.8	0.6	0.4	0.9	1.0	1.4	1.5	1.5	1.5
Water Year Types[b]												
Wet (31%)	1.0	0.3	0.2	0.2	**-0.1**	**-0.4**	0.4	0.1	0.6	1.3	1.3	1.0
Above Normal (25%)	1.8	1.2	1.2	**-0.1**	0.3	0.0	0.2	0.8	1.4	1.9	1.5	1.4
Below Normal (6%)	1.7	1.5	1.6	0.9	**-0.1**	0.2	1.2	1.0	1.5	1.0	1.2	1.4
Dry (13%)	1.5	1.1	1.2	1.1	0.9	0.5	1.2	1.5	1.7	1.7	1.6	1.7
Critical (25%)	1.7	1.5	1.4	1.3	1.2	1.1	1.4	1.5	1.7	1.5	1.7	1.8

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-31-2-6. Sacramento River d/s of Georgiana Slough, Monthly Averaged Daily Minimum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.1	3.1	6.2	5.9	7.4	6.8	4.3	1.9	0.6	0.9	0.6	0.8
20%	0.3	2.3	1.6	4.7	6.6	5.3	1.3	0.6	0.2	0.7	0.5	0.4
30%	0.2	0.5	1.1	3.2	3.5	3.9	1.0	0.5	0.2	0.7	0.4	0.3
40%	0.1	0.3	0.7	1.6	2.7	2.8	0.6	0.5	0.2	0.6	0.4	0.3
50%	0.1	0.1	0.7	1.5	1.6	2.2	0.5	0.4	0.1	0.6	0.4	0.3
60%	0.1	0.1	0.5	1.0	0.6	2.0	0.4	0.2	0.1	0.6	0.4	0.2
70%	0.0	0.0	0.3	0.6	0.6	1.1	0.4	0.1	0.0	0.5	0.3	0.2
80%	0.0	-0.1	0.3	0.4	0.5	0.5	0.2	0.0	-0.1	0.4	0.2	0.1
90%	-0.1	-0.2	-0.1	0.2	0.2	0.2	0.1	-0.1	-0.1	0.4	0.2	0.1
Long Term												
Full Simulation Period[a]	0.3	0.9	1.7	2.3	2.8	3.0	1.4	0.8	0.4	0.7	0.4	0.4
Water Year Types[b]												
Wet (31%)	0.8	2.8	5.2	4.4	6.3	6.3	3.6	2.2	1.6	1.1	0.6	1.1
Above Normal (25%)	0.0	0.3	1.0	5.8	5.5	4.7	1.9	0.9	0.2	0.5	0.4	0.3
Below Normal (6%)	0.3	0.1	0.0	1.6	2.7	2.3	0.6	0.6	0.2	0.6	0.4	0.2
Dry (13%)	0.1	0.5	0.6	0.7	0.9	2.0	0.6	0.3	0.1	0.6	0.5	0.2
Critical (25%)	0.2	0.1	0.4	0.7	0.4	0.6	0.2	-0.1	-0.1	0.5	0.2	0.1

Alternative 4 H2 (LLT)

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.1	3.0	6.2	5.8	7.3	6.4	4.4	2.2	2.0	2.4	2.1	2.1
20%	2.0	2.4	2.3	5.1	6.3	5.3	2.6	2.0	1.9	2.3	2.1	2.0
30%	2.0	1.7	2.1	3.5	3.8	4.2	2.4	1.9	1.8	2.2	2.0	2.0
40%	1.8	1.6	2.1	2.3	2.6	2.6	2.0	1.9	1.8	2.1	2.0	2.0
50%	1.7	1.6	1.8	2.2	2.3	2.5	1.8	1.7	1.7	2.0	1.9	1.9
60%	1.7	1.5	1.8	2.2	1.7	2.3	1.8	1.6	1.7	2.0	1.9	1.8
70%	1.6	1.5	1.7	2.0	1.7	1.9	1.7	1.6	1.7	1.9	1.9	1.8
80%	1.6	1.5	1.5	1.8	1.7	1.6	1.6	1.5	1.7	1.8	1.8	1.7
90%	1.6	1.4	1.5	1.6	1.4	1.6	1.5	1.3	1.6	1.7	1.7	1.7
Long Term												
Full Simulation Period[a]	1.8	2.0	2.7	3.1	3.4	3.4	2.5	1.8	1.8	2.0	1.9	1.9
Water Year Types[b]												
Wet (31%)	1.8	3.1	5.5	4.6	6.2	5.9	4.4	2.4	2.1	2.2	1.9	2.1
Above Normal (25%)	1.9	1.5	2.1	5.8	5.8	4.7	2.8	2.0	1.7	1.9	1.9	1.7
Below Normal (6%)	1.6	1.6	1.5	2.5	2.8	2.6	1.8	1.6	1.7	1.6	1.6	1.6
Dry (13%)	1.7	1.6	1.8	1.8	1.9	2.5	1.8	1.8	1.8	2.1	2.0	1.9
Critical (25%)	1.9	1.6	1.7	2.0	1.6	1.8	1.5	1.4	1.6	2.0	1.9	2.0

Alternative 4 H2 (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.0	**-0.1**	**0.0**	**0.0**	**-0.1**	**-0.4**	0.1	0.3	1.4	1.4	1.4	1.2
20%	1.7	0.1	0.8	0.4	**-0.3**	0.0	1.3	1.3	1.6	1.6	1.6	1.6
30%	1.8	1.2	1.0	0.3	0.3	0.2	1.4	1.4	1.6	1.5	1.6	1.6
40%	1.6	1.4	1.4	0.7	**-0.1**	**-0.1**	1.4	1.4	1.6	1.5	1.6	1.6
50%	1.7	1.5	1.1	0.7	0.7	0.2	1.3	1.3	1.6	1.4	1.5	1.6
60%	1.6	1.4	1.3	1.2	1.1	0.3	1.4	1.4	1.6	1.4	1.5	1.6
70%	1.6	1.4	1.4	1.4	1.1	0.9	1.3	1.4	1.7	1.4	1.5	1.6
80%	1.6	1.5	1.2	1.4	1.2	1.1	1.4	1.5	1.7	1.4	1.6	1.6
90%	1.6	1.6	1.5	1.4	1.3	1.4	1.4	1.4	1.7	1.3	1.6	1.6
Long Term												
Full Simulation Period[a]	1.5	1.1	1.0	0.8	0.6	0.4	1.1	1.1	1.4	1.4	1.5	1.5
Water Year Types[b]												
Wet (31%)	1.1	0.3	0.3	0.2	**-0.1**	**-0.4**	0.7	0.2	0.5	1.1	1.3	1.0
Above Normal (25%)	1.9	1.2	1.2	0.0	0.3	0.0	0.9	1.1	1.4	1.4	1.4	1.4
Below Normal (6%)	1.3	1.4	1.5	0.9	0.0	0.3	1.2	1.0	1.5	1.0	1.2	1.4
Dry (13%)	1.6	1.1	1.2	1.0	0.9	0.6	1.2	1.4	1.7	1.5	1.5	1.6
Critical (25%)	1.7	1.5	1.3	1.3	1.2	1.1	1.3	1.5	1.7	1.5	1.7	1.8

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-31-2-7. Sacramento River d/s of Georgiana Slough, Monthly Averaged Daily Minimum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.1	3.1	6.2	5.9	7.4	6.8	4.3	1.9	0.6	0.9	0.6	0.8
20%	0.3	2.3	1.6	4.7	6.6	5.3	1.3	0.6	0.2	0.7	0.5	0.4
30%	0.2	0.5	1.1	3.2	3.5	3.9	1.0	0.5	0.2	0.7	0.4	0.3
40%	0.1	0.3	0.7	1.6	2.7	2.8	0.6	0.5	0.2	0.6	0.4	0.3
50%	0.1	0.1	0.7	1.5	1.6	2.2	0.5	0.4	0.1	0.6	0.4	0.3
60%	0.1	0.1	0.5	1.0	0.6	2.0	0.4	0.2	0.1	0.6	0.4	0.2
70%	0.0	0.0	0.3	0.6	0.6	1.1	0.4	0.1	0.0	0.5	0.3	0.2
80%	0.0	-0.1	0.3	0.4	0.5	0.5	0.2	0.0	-0.1	0.4	0.2	0.1
90%	-0.1	-0.2	-0.1	0.2	0.2	0.2	0.1	-0.1	-0.1	0.4	0.2	0.1
Long Term												
Full Simulation Period[a]	0.3	0.9	1.7	2.3	2.8	3.0	1.4	0.8	0.4	0.7	0.4	0.4
Water Year Types[b]												
Wet (31%)	0.8	2.8	5.2	4.4	6.3	6.3	3.6	2.2	1.6	1.1	0.6	1.1
Above Normal (25%)	0.0	0.3	1.0	5.8	5.5	4.7	1.9	0.9	0.2	0.5	0.4	0.3
Below Normal (6%)	0.3	0.1	0.0	1.6	2.7	2.3	0.6	0.6	0.2	0.6	0.4	0.2
Dry (13%)	0.1	0.5	0.6	0.7	0.9	2.0	0.6	0.3	0.1	0.6	0.5	0.2
Critical (25%)	0.2	0.1	0.4	0.7	0.4	0.6	0.2	-0.1	-0.1	0.5	0.2	0.1

Alternative 4 H3 (LLT)

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.0	3.0	6.0	5.8	7.1	6.4	4.1	2.1	2.0	2.6	2.1	2.5
20%	1.9	2.3	2.1	5.1	6.3	5.3	2.3	1.9	1.9	2.5	2.1	2.4
30%	1.8	1.8	2.1	3.6	3.7	3.8	1.9	1.8	1.8	2.3	2.1	2.0
40%	1.8	1.7	2.1	2.5	2.6	2.6	1.8	1.7	1.8	2.3	2.0	2.0
50%	1.7	1.7	2.0	2.3	2.3	2.4	1.7	1.6	1.7	2.2	2.0	2.0
60%	1.7	1.6	1.8	2.2	1.8	2.3	1.7	1.6	1.7	2.1	1.9	1.9
70%	1.6	1.5	1.8	1.9	1.7	1.9	1.6	1.5	1.7	2.0	1.9	1.9
80%	1.6	1.5	1.5	1.7	1.7	1.6	1.6	1.5	1.7	1.9	1.8	1.9
90%	1.6	1.4	1.5	1.5	1.5	1.6	1.5	1.3	1.6	1.7	1.8	1.9
Long Term												
Full Simulation Period[a]	1.8	2.0	2.7	3.1	3.4	3.3	2.3	1.8	1.8	2.2	1.9	2.1
Water Year Types[b]												
Wet (31%)	1.8	3.1	5.4	4.6	6.2	5.9	4.1	2.3	2.1	2.4	1.9	2.6
Above Normal (25%)	2.0	1.5	2.1	5.6	5.7	4.7	2.1	1.7	1.7	2.4	1.9	2.0
Below Normal (6%)	1.7	1.6	1.5	2.5	2.7	2.5	1.8	1.6	1.7	1.6	1.6	1.8
Dry (13%)	1.6	1.7	1.8	1.8	1.9	2.4	1.8	1.8	1.8	2.3	2.0	1.9
Critical (25%)	1.8	1.7	1.8	2.0	1.6	1.8	1.5	1.4	1.6	1.9	1.9	1.9

Alternative 4 H3 (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.9	**-0.1**	**-0.2**	**0.0**	**-0.3**	**-0.4**	**-0.2**	0.2	1.4	1.7	1.4	1.7
20%	1.6	0.1	0.6	0.4	**-0.3**	**0.0**	0.9	1.3	1.7	1.8	1.6	2.1
30%	1.6	1.3	1.0	0.4	0.2	**-0.1**	0.9	1.3	1.6	1.7	1.6	1.7
40%	1.6	1.5	1.4	0.9	**-0.1**	**-0.1**	1.1	1.3	1.6	1.6	1.6	1.7
50%	1.6	1.6	1.3	0.8	0.7	0.2	1.2	1.3	1.6	1.6	1.6	1.7
60%	1.6	1.5	1.3	1.2	1.2	0.3	1.3	1.4	1.6	1.5	1.5	1.7
70%	1.6	1.5	1.4	1.3	1.1	0.8	1.3	1.4	1.7	1.5	1.5	1.8
80%	1.6	1.5	1.3	1.3	1.2	1.1	1.4	1.5	1.7	1.5	1.6	1.8
90%	1.7	1.6	1.6	1.3	1.3	1.4	1.4	1.4	1.7	1.4	1.6	1.7
Long Term												
Full Simulation Period[a]	1.5	1.1	1.0	0.7	0.6	0.4	0.9	1.0	1.4	1.5	1.5	1.7
Water Year Types[b]												
Wet (31%)	1.0	0.3	0.2	0.2	**-0.1**	**-0.4**	0.4	0.0	0.6	1.3	1.3	1.5
Above Normal (25%)	1.9	1.2	1.2	**-0.2**	0.1	0.0	0.2	0.8	1.4	1.9	1.5	1.6
Below Normal (6%)	1.4	1.5	1.5	0.9	**-0.1**	0.2	1.2	1.0	1.6	1.0	1.2	1.6
Dry (13%)	1.6	1.2	1.2	1.0	1.0	0.4	1.2	1.5	1.7	1.7	1.5	1.7
Critical (25%)	1.6	1.6	1.4	1.3	1.2	1.1	1.4	1.5	1.7	1.5	1.7	1.8

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-31-2-8. Sacramento River d/s of Georgiana Slough, Monthly Averaged Daily Minimum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.1	3.1	6.2	5.9	7.4	6.8	4.3	1.9	0.6	0.9	0.6	0.8
20%	0.3	2.3	1.6	4.7	6.6	5.3	1.3	0.6	0.2	0.7	0.5	0.4
30%	0.2	0.5	1.1	3.2	3.5	3.9	1.0	0.5	0.2	0.7	0.4	0.3
40%	0.1	0.3	0.7	1.6	2.7	2.8	0.6	0.5	0.2	0.6	0.4	0.3
50%	0.1	0.1	0.7	1.5	1.6	2.2	0.5	0.4	0.1	0.6	0.4	0.3
60%	0.1	0.1	0.5	1.0	0.6	2.0	0.4	0.2	0.1	0.6	0.4	0.2
70%	0.0	0.0	0.3	0.6	0.6	1.1	0.4	0.1	0.0	0.5	0.3	0.2
80%	0.0	-0.1	0.3	0.4	0.5	0.5	0.2	0.0	-0.1	0.4	0.2	0.1
90%	-0.1	-0.2	-0.1	0.2	0.2	0.2	0.1	-0.1	-0.1	0.4	0.2	0.1
Long Term												
Full Simulation Period[a]	0.3	0.9	1.7	2.3	2.8	3.0	1.4	0.8	0.4	0.7	0.4	0.4
Water Year Types[b]												
Wet (31%)	0.8	2.8	5.2	4.4	6.3	6.3	3.6	2.2	1.6	1.1	0.6	1.1
Above Normal (25%)	0.0	0.3	1.0	5.8	5.5	4.7	1.9	0.9	0.2	0.5	0.4	0.3
Below Normal (6%)	0.3	0.1	0.0	1.6	2.7	2.3	0.6	0.6	0.2	0.6	0.4	0.2
Dry (13%)	0.1	0.5	0.6	0.7	0.9	2.0	0.6	0.3	0.1	0.6	0.5	0.2
Critical (25%)	0.2	0.1	0.4	0.7	0.4	0.6	0.2	-0.1	-0.1	0.5	0.2	0.1

Alternative 4 H4 (LLT)

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.0	2.9	6.0	5.9	7.1	6.4	4.4	2.2	2.0	2.3	2.1	2.6
20%	2.0	2.3	2.2	5.1	6.3	5.3	2.6	1.9	1.9	2.3	2.1	2.5
30%	1.9	1.8	2.1	3.5	3.7	4.1	2.4	1.9	1.8	2.2	2.1	2.0
40%	1.8	1.8	2.1	2.3	2.6	2.6	2.1	1.9	1.8	2.1	2.0	2.0
50%	1.8	1.7	1.8	2.2	2.3	2.4	1.8	1.7	1.7	2.0	2.0	2.0
60%	1.7	1.6	1.8	2.0	1.8	2.3	1.8	1.6	1.7	2.0	1.9	2.0
70%	1.7	1.5	1.7	1.8	1.7	1.9	1.7	1.6	1.7	1.9	1.9	1.9
80%	1.6	1.5	1.6	1.7	1.7	1.6	1.6	1.5	1.7	1.8	1.8	1.9
90%	1.6	1.4	1.5	1.5	1.5	1.6	1.5	1.3	1.6	1.7	1.8	1.8
Long Term												
Full Simulation Period[a]	1.8	2.0	2.7	3.0	3.4	3.4	2.5	1.8	1.8	2.0	1.9	2.1
Water Year Types[b]												
Wet (31%)	1.9	3.1	5.5	4.6	6.2	5.9	4.4	2.4	2.1	2.2	2.0	2.6
Above Normal (25%)	1.9	1.5	2.1	5.8	5.7	4.7	2.8	2.0	1.7	1.9	1.9	2.0
Below Normal (6%)	1.8	1.6	1.6	2.5	2.7	2.5	1.8	1.6	1.7	1.6	1.8	1.7
Dry (13%)	1.6	1.7	1.8	1.8	1.9	2.5	1.8	1.7	1.8	2.1	2.0	1.9
Critical (25%)	1.8	1.7	1.7	1.8	1.6	1.7	1.6	1.4	1.6	2.0	1.9	2.0

Alternative 4 H4 (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.9	**-0.2**	**-0.2**	**0.0**	**-0.3**	**-0.4**	0.1	0.3	1.4	1.4	1.4	1.7
20%	1.7	0.1	0.6	0.4	**-0.3**	0.0	1.3	1.3	1.6	1.6	1.6	2.1
30%	1.7	1.3	1.0	0.3	0.3	0.1	1.4	1.4	1.6	1.5	1.6	1.7
40%	1.7	1.5	1.3	0.7	**-0.1**	**-0.1**	1.4	1.4	1.6	1.4	1.6	1.7
50%	1.7	1.6	1.1	0.7	0.7	0.2	1.3	1.3	1.6	1.4	1.6	1.7
60%	1.7	1.5	1.3	0.9	1.1	0.3	1.4	1.4	1.6	1.4	1.5	1.7
70%	1.7	1.5	1.4	1.2	1.1	0.8	1.3	1.4	1.7	1.4	1.5	1.8
80%	1.6	1.6	1.3	1.3	1.2	1.1	1.4	1.5	1.7	1.4	1.6	1.8
90%	1.6	1.6	1.5	1.3	1.3	1.4	1.4	1.4	1.7	1.3	1.6	1.7
Long Term												
Full Simulation Period[a]	1.5	1.1	1.0	0.7	0.6	0.4	1.1	1.1	1.4	1.3	1.5	1.7
Water Year Types[b]												
Wet (31%)	1.1	0.2	0.2	0.2	**-0.1**	**-0.4**	0.7	0.1	0.5	1.1	1.4	1.5
Above Normal (25%)	1.9	1.2	1.2	**0.0**	0.2	0.0	0.9	1.1	1.4	1.4	1.4	1.6
Below Normal (6%)	1.5	1.5	1.5	0.9	**0.0**	0.2	1.2	1.0	1.5	1.0	1.3	1.5
Dry (13%)	1.6	1.2	1.1	1.0	0.9	0.6	1.2	1.4	1.7	1.5	1.5	1.7
Critical (25%)	1.6	1.6	1.3	1.1	1.2	1.1	1.4	1.5	1.7	1.5	1.7	1.8

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-31-2-9. Sacramento River d/s of Georgiana Slough, Monthly Averaged Daily Minimum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.1	3.1	6.2	5.9	7.4	6.8	4.3	1.9	0.6	0.9	0.6	0.8
20%	0.3	2.3	1.6	4.7	6.6	5.3	1.3	0.6	0.2	0.7	0.5	0.4
30%	0.2	0.5	1.1	3.2	3.5	3.9	1.0	0.5	0.2	0.7	0.4	0.3
40%	0.1	0.3	0.7	1.6	2.7	2.8	0.6	0.5	0.2	0.6	0.4	0.3
50%	0.1	0.1	0.7	1.5	1.6	2.2	0.5	0.4	0.1	0.6	0.4	0.3
60%	0.1	0.1	0.5	1.0	0.6	2.0	0.4	0.2	0.1	0.6	0.4	0.2
70%	0.0	0.0	0.3	0.6	0.6	1.1	0.4	0.1	0.0	0.5	0.3	0.2
80%	0.0	-0.1	0.3	0.4	0.5	0.5	0.2	0.0	-0.1	0.4	0.2	0.1
90%	-0.1	-0.2	-0.1	0.2	0.2	0.2	0.1	-0.1	-0.1	0.4	0.2	0.1
Long Term												
Full Simulation Period[a]	0.3	0.9	1.7	2.3	2.8	3.0	1.4	0.8	0.4	0.7	0.4	0.4
Water Year Types[b]												
Wet (31%)	0.8	2.8	5.2	4.4	6.3	6.3	3.6	2.2	1.6	1.1	0.6	1.1
Above Normal (25%)	0.0	0.3	1.0	5.8	5.5	4.7	1.9	0.9	0.2	0.5	0.4	0.3
Below Normal (6%)	0.3	0.1	0.0	1.6	2.7	2.3	0.6	0.6	0.2	0.6	0.4	0.2
Dry (13%)	0.1	0.5	0.6	0.7	0.9	2.0	0.6	0.3	0.1	0.6	0.5	0.2
Critical (25%)	0.2	0.1	0.4	0.7	0.4	0.6	0.2	-0.1	-0.1	0.5	0.2	0.1

Alternative 5 (LLT)

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.1	3.2	6.5	6.3	7.7	6.9	4.7	2.3	2.1	2.5	2.2	2.8
20%	2.0	2.4	2.3	5.6	6.8	5.8	2.3	1.9	1.9	2.4	2.1	2.6
30%	1.9	1.9	2.2	3.8	4.2	4.2	2.0	1.8	1.9	2.3	2.1	2.1
40%	1.9	1.8	2.2	2.5	2.9	2.9	1.8	1.6	1.9	2.3	2.0	2.0
50%	1.8	1.7	2.0	2.4	2.4	2.8	1.8	1.6	1.8	2.2	2.0	2.0
60%	1.7	1.7	1.9	2.2	1.9	2.3	1.7	1.5	1.8	2.1	2.0	1.9
70%	1.7	1.7	1.7	2.0	1.8	2.0	1.6	1.5	1.7	2.1	1.9	1.9
80%	1.7	1.5	1.7	1.8	1.8	1.7	1.6	1.5	1.7	2.0	1.9	1.9
90%	1.7	1.5	1.5	1.6	1.5	1.6	1.5	1.3	1.6	1.8	1.8	1.8
Long Term												
Full Simulation Period[a]	1.9	2.1	2.9	3.3	3.7	3.6	2.5	1.8	1.9	2.2	2.0	2.1
Water Year Types[b]												
Wet (31%)	2.0	3.4	5.8	5.0	6.7	6.4	4.4	2.5	2.4	2.4	2.2	2.8
Above Normal (25%)	1.8	1.6	2.2	6.1	6.2	5.1	2.4	1.7	1.8	2.3	2.0	2.1
Below Normal (6%)	1.8	1.7	1.7	2.6	2.9	2.7	1.8	1.6	1.9	2.0	1.8	1.8
Dry (13%)	1.7	1.8	1.9	1.9	2.0	2.6	1.8	1.7	1.8	2.2	2.0	1.8
Critical (25%)	1.9	1.7	1.7	2.0	1.7	1.8	1.6	1.4	1.6	2.0	1.9	1.9

Alternative 5 (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.0	0.1	0.3	0.4	0.3	0.1	0.4	0.4	1.5	1.6	1.6	1.9
20%	1.7	0.2	0.7	0.9	0.3	0.5	1.0	1.3	1.7	1.7	1.6	2.2
30%	1.7	1.3	1.1	0.6	0.7	0.3	0.9	1.2	1.7	1.7	1.6	1.8
40%	1.7	1.5	1.4	0.9	0.2	0.1	1.2	1.2	1.7	1.7	1.6	1.7
50%	1.7	1.6	1.3	0.9	0.8	0.5	1.3	1.2	1.7	1.6	1.6	1.7
60%	1.7	1.6	1.4	1.1	1.2	0.3	1.4	1.3	1.7	1.5	1.6	1.7
70%	1.7	1.6	1.4	1.4	1.2	0.9	1.3	1.4	1.7	1.6	1.5	1.7
80%	1.7	1.6	1.4	1.3	1.3	1.2	1.3	1.5	1.8	1.6	1.6	1.8
90%	1.7	1.7	1.6	1.4	1.3	1.4	1.4	1.4	1.7	1.4	1.7	1.7
Long Term												
Full Simulation Period[a]	1.6	1.2	1.2	0.9	0.8	0.6	1.1	1.1	1.5	1.5	1.6	1.7
Water Year Types[b]												
Wet (31%)	1.2	0.6	0.6	0.6	0.4	0.1	0.8	0.3	0.8	1.3	1.6	1.7
Above Normal (25%)	1.7	1.4	1.3	0.4	0.7	0.4	0.5	0.9	1.6	1.7	1.6	1.8
Below Normal (6%)	1.5	1.6	1.7	1.0	0.2	0.4	1.2	1.0	1.7	1.4	1.4	1.6
Dry (13%)	1.7	1.3	1.2	1.1	1.1	0.7	1.2	1.4	1.7	1.6	1.5	1.6
Critical (25%)	1.7	1.6	1.4	1.3	1.3	1.2	1.4	1.5	1.7	1.6	1.7	1.8

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-31-2-10. Sacramento River d/s of Georgiana Slough, Monthly Averaged Daily Minimum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.1	3.1	6.2	5.9	7.4	6.8	4.3	1.9	0.6	0.9	0.6	0.8
20%	0.3	2.3	1.6	4.7	6.6	5.3	1.3	0.6	0.2	0.7	0.5	0.4
30%	0.2	0.5	1.1	3.2	3.5	3.9	1.0	0.5	0.2	0.7	0.4	0.3
40%	0.1	0.3	0.7	1.6	2.7	2.8	0.6	0.5	0.2	0.6	0.4	0.3
50%	0.1	0.1	0.7	1.5	1.6	2.2	0.5	0.4	0.1	0.6	0.4	0.3
60%	0.1	0.1	0.5	1.0	0.6	2.0	0.4	0.2	0.1	0.6	0.4	0.2
70%	0.0	0.0	0.3	0.6	0.6	1.1	0.4	0.1	0.0	0.5	0.3	0.2
80%	0.0	-0.1	0.3	0.4	0.5	0.5	0.2	0.0	-0.1	0.4	0.2	0.1
90%	-0.1	-0.2	-0.1	0.2	0.2	0.2	0.1	-0.1	-0.1	0.4	0.2	0.1
Long Term												
Full Simulation Period[a]	0.3	0.9	1.7	2.3	2.8	3.0	1.4	0.8	0.4	0.7	0.4	0.4
Water Year Types[b]												
Wet (31%)	0.8	2.8	5.2	4.4	6.3	6.3	3.6	2.2	1.6	1.1	0.6	1.1
Above Normal (25%)	0.0	0.3	1.0	5.8	5.5	4.7	1.9	0.9	0.2	0.5	0.4	0.3
Below Normal (6%)	0.3	0.1	0.0	1.6	2.7	2.3	0.6	0.6	0.2	0.6	0.4	0.2
Dry (13%)	0.1	0.5	0.6	0.7	0.9	2.0	0.6	0.3	0.1	0.6	0.5	0.2
Critical (25%)	0.2	0.1	0.4	0.7	0.4	0.6	0.2	-0.1	-0.1	0.5	0.2	0.1

Alternative 6A,6B,6C (LLT)

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.7	2.9	5.9	5.3	6.7	6.0	3.9	2.0	1.9	2.0	1.9	2.2
20%	1.7	2.3	2.2	4.8	6.0	5.0	2.3	1.8	1.8	1.7	1.8	2.1
30%	1.6	1.7	2.1	3.5	3.6	3.6	1.9	1.8	1.8	1.7	1.8	1.8
40%	1.6	1.6	1.9	2.3	2.6	2.6	1.9	1.7	1.8	1.6	1.7	1.7
50%	1.5	1.5	1.8	2.2	2.2	2.5	1.8	1.6	1.7	1.6	1.7	1.7
60%	1.5	1.5	1.8	1.9	2.1	2.3	1.7	1.5	1.7	1.6	1.6	1.7
70%	1.4	1.5	1.7	1.7	1.7	1.9	1.6	1.5	1.7	1.6	1.6	1.6
80%	1.4	1.4	1.5	1.6	1.7	1.6	1.6	1.5	1.6	1.5	1.6	1.5
90%	1.4	1.3	1.4	1.4	1.5	1.5	1.5	1.3	1.6	1.5	1.6	1.5
Long Term												
Full Simulation Period[a]	1.5	1.9	2.6	2.9	3.3	3.2	2.3	1.7	1.8	1.7	1.7	1.8
Water Year Types[b]												
Wet (31%)	1.6	2.9	5.3	4.4	6.0	5.7	3.9	2.2	2.0	1.9	1.8	2.2
Above Normal (25%)	1.5	1.4	2.0	5.3	5.3	4.4	2.1	1.8	1.7	1.6	1.7	1.6
Below Normal (6%)	1.6	1.5	1.5	2.4	2.6	2.4	1.9	1.6	1.8	1.5	1.5	1.5
Dry (13%)	1.5	1.6	1.8	1.7	1.8	2.4	1.8	1.7	1.8	1.6	1.6	1.6
Critical (25%)	1.6	1.6	1.7	1.7	1.7	1.7	1.5	1.4	1.6	1.6	1.8	1.7

Alternative 6A,6B,6C (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.6	**-0.2**	**-0.3**	**-0.5**	**-0.7**	**-0.8**	**-0.4**	0.0	1.3	1.1	1.2	1.4
20%	1.4	**0.0**	0.6	0.0	**-0.5**	**-0.3**	1.0	1.2	1.6	1.0	1.3	1.7
30%	1.4	1.2	1.0	0.3	0.1	**-0.3**	0.9	1.2	1.6	1.1	1.3	1.5
40%	1.4	1.3	1.2	0.7	**-0.1**	**-0.2**	1.2	1.3	1.6	1.0	1.3	1.4
50%	1.5	1.4	1.1	0.7	0.6	0.2	1.2	1.3	1.6	1.0	1.3	1.4
60%	1.4	1.4	1.3	0.9	1.5	0.3	1.3	1.3	1.6	1.0	1.2	1.5
70%	1.4	1.4	1.3	1.2	1.1	0.9	1.2	1.4	1.7	1.1	1.3	1.5
80%	1.4	1.5	1.2	1.2	1.1	1.1	1.4	1.5	1.7	1.1	1.3	1.4
90%	1.5	1.5	1.5	1.2	1.3	1.3	1.4	1.4	1.7	1.1	1.4	1.4
Long Term												
Full Simulation Period[a]	1.3	1.0	0.9	0.5	0.5	0.3	0.9	1.0	1.3	1.0	1.3	1.4
Water Year Types[b]												
Wet (31%)	0.9	0.1	0.1	**-0.1**	**-0.3**	**-0.6**	0.2	**0.0**	0.4	0.8	1.2	1.1
Above Normal (25%)	1.5	1.1	1.1	**-0.5**	**-0.2**	**-0.3**	0.2	0.9	1.5	1.1	1.2	1.3
Below Normal (6%)	1.3	1.4	1.5	0.8	**-0.1**	0.2	1.3	1.0	1.7	0.9	1.1	1.3
Dry (13%)	1.4	1.1	1.1	1.0	0.9	0.5	1.3	1.4	1.6	1.0	1.1	1.4
Critical (25%)	1.4	1.5	1.3	1.0	1.3	1.1	1.3	1.5	1.7	1.2	1.5	1.6

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-31-2-11. Sacramento River d/s of Georgiana Slough, Monthly Averaged Daily Minimum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.1	3.1	6.2	5.9	7.4	6.8	4.3	1.9	0.6	0.9	0.6	0.8
20%	0.3	2.3	1.6	4.7	6.6	5.3	1.3	0.6	0.2	0.7	0.5	0.4
30%	0.2	0.5	1.1	3.2	3.5	3.9	1.0	0.5	0.2	0.7	0.4	0.3
40%	0.1	0.3	0.7	1.6	2.7	2.8	0.6	0.5	0.2	0.6	0.4	0.3
50%	0.1	0.1	0.7	1.5	1.6	2.2	0.5	0.4	0.1	0.6	0.4	0.3
60%	0.1	0.1	0.5	1.0	0.6	2.0	0.4	0.2	0.1	0.6	0.4	0.2
70%	0.0	0.0	0.3	0.6	0.6	1.1	0.4	0.1	0.0	0.5	0.3	0.2
80%	0.0	-0.1	0.3	0.4	0.5	0.5	0.2	0.0	-0.1	0.4	0.2	0.1
90%	-0.1	-0.2	-0.1	0.2	0.2	0.2	0.1	-0.1	-0.1	0.4	0.2	0.1
Long Term												
Full Simulation Period[a]	0.3	0.9	1.7	2.3	2.8	3.0	1.4	0.8	0.4	0.7	0.4	0.4
Water Year Types[b]												
Wet (31%)	0.8	2.8	5.2	4.4	6.3	6.3	3.6	2.2	1.6	1.1	0.6	1.1
Above Normal (25%)	0.0	0.3	1.0	5.8	5.5	4.7	1.9	0.9	0.2	0.5	0.4	0.3
Below Normal (6%)	0.3	0.1	0.0	1.6	2.7	2.3	0.6	0.6	0.2	0.6	0.4	0.2
Dry (13%)	0.1	0.5	0.6	0.7	0.9	2.0	0.6	0.3	0.1	0.6	0.5	0.2
Critical (25%)	0.2	0.1	0.4	0.7	0.4	0.6	0.2	-0.1	-0.1	0.5	0.2	0.1

Alternative 7 (LLT)

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.9	3.0	6.2	5.7	7.1	6.4	4.2	2.1	1.9	2.5	2.2	2.6
20%	1.7	2.3	2.2	5.2	6.2	5.2	2.3	1.8	1.8	2.4	2.1	2.5
30%	1.7	1.8	2.2	3.5	3.7	3.7	1.9	1.7	1.8	2.3	2.1	2.0
40%	1.6	1.6	2.0	2.3	2.6	2.6	1.8	1.7	1.8	2.2	2.1	1.9
50%	1.6	1.6	1.9	2.3	2.3	2.5	1.8	1.6	1.8	2.2	2.0	1.9
60%	1.6	1.6	1.8	2.0	2.2	2.3	1.7	1.5	1.8	2.1	2.0	1.9
70%	1.6	1.5	1.7	1.8	1.8	2.0	1.6	1.5	1.7	2.0	2.0	1.9
80%	1.5	1.5	1.5	1.6	1.7	1.7	1.6	1.4	1.7	1.9	1.9	1.9
90%	1.5	1.4	1.4	1.5	1.5	1.5	1.5	1.4	1.6	1.9	1.9	1.8
Long Term												
Full Simulation Period[a]	1.6	2.0	2.7	3.0	3.4	3.3	2.3	1.8	1.8	2.2	2.0	2.1
Water Year Types[b]												
Wet (31%)	1.8	3.1	5.6	4.5	6.2	5.8	4.1	2.3	2.1	2.4	2.2	2.6
Above Normal (25%)	1.6	1.5	2.1	5.7	5.6	4.5	2.2	1.7	1.7	2.2	1.9	1.9
Below Normal (6%)	1.6	1.6	1.5	2.5	2.7	2.6	1.9	1.6	1.8	2.0	2.0	1.9
Dry (13%)	1.6	1.7	1.8	1.8	1.9	2.5	1.8	1.7	1.8	2.3	2.1	1.8
Critical (25%)	1.7	1.6	1.7	1.8	1.7	1.7	1.5	1.4	1.7	1.9	2.0	1.9

Alternative 7 (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.8	**-0.1**	0.0	**-0.2**	**-0.3**	**-0.4**	**-0.1**	0.2	1.3	1.5	1.6	1.7
20%	1.4	0.1	0.6	0.4	**-0.3**	**-0.1**	0.9	1.2	1.6	1.7	1.6	2.1
30%	1.5	1.3	1.1	0.3	0.2	**-0.2**	0.9	1.2	1.6	1.6	1.6	1.6
40%	1.5	1.3	1.2	0.7	**-0.1**	**-0.1**	1.2	1.2	1.6	1.6	1.6	1.6
50%	1.5	1.5	1.2	0.8	0.7	0.2	1.2	1.2	1.6	1.6	1.6	1.6
60%	1.6	1.5	1.4	1.0	1.6	0.3	1.3	1.3	1.7	1.5	1.6	1.7
70%	1.6	1.4	1.4	1.2	1.2	0.9	1.2	1.4	1.7	1.5	1.6	1.7
80%	1.5	1.5	1.3	1.2	1.2	1.2	1.4	1.4	1.8	1.5	1.7	1.7
90%	1.6	1.5	1.5	1.3	1.3	1.3	1.4	1.5	1.7	1.5	1.7	1.7
Long Term												
Full Simulation Period[a]	1.4	1.1	1.0	0.7	0.6	0.4	1.0	1.0	1.4	1.5	1.6	1.6
Water Year Types[b]												
Wet (31%)	1.0	0.3	0.3	0.1	**-0.1**	**-0.4**	0.4	0.1	0.5	1.3	1.6	1.5
Above Normal (25%)	1.6	1.3	1.1	**-0.1**	0.1	**-0.2**	0.3	0.9	1.4	1.7	1.5	1.6
Below Normal (6%)	1.3	1.5	1.5	0.9	**-0.1**	0.4	1.3	1.0	1.6	1.5	1.6	1.7
Dry (13%)	1.5	1.2	1.2	1.1	1.0	0.5	1.2	1.4	1.7	1.7	1.6	1.6
Critical (25%)	1.5	1.5	1.3	1.1	1.3	1.1	1.3	1.5	1.8	1.5	1.8	1.8

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-31-2-12. Sacramento River d/s of Georgiana Slough, Monthly Averaged Daily Minimum Elevation

Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.1	3.1	6.2	5.9	7.4	6.8	4.3	1.9	0.6	0.9	0.6	0.8
20%	0.3	2.3	1.6	4.7	6.6	5.3	1.3	0.6	0.2	0.7	0.5	0.4
30%	0.2	0.5	1.1	3.2	3.5	3.9	1.0	0.5	0.2	0.7	0.4	0.3
40%	0.1	0.3	0.7	1.6	2.7	2.8	0.6	0.5	0.2	0.6	0.4	0.3
50%	0.1	0.1	0.7	1.5	1.6	2.2	0.5	0.4	0.1	0.6	0.4	0.3
60%	0.1	0.1	0.5	1.0	0.6	2.0	0.4	0.2	0.1	0.6	0.4	0.2
70%	0.0	0.0	0.3	0.6	0.6	1.1	0.4	0.1	0.0	0.5	0.3	0.2
80%	0.0	-0.1	0.3	0.4	0.5	0.5	0.2	0.0	-0.1	0.4	0.2	0.1
90%	-0.1	-0.2	-0.1	0.2	0.2	0.2	0.1	-0.1	-0.1	0.4	0.2	0.1
Long Term												
Full Simulation Period[a]	0.3	0.9	1.7	2.3	2.8	3.0	1.4	0.8	0.4	0.7	0.4	0.4
Water Year Types[b]												
Wet (31%)	0.8	2.8	5.2	4.4	6.3	6.3	3.6	2.2	1.6	1.1	0.6	1.1
Above Normal (25%)	0.0	0.3	1.0	5.8	5.5	4.7	1.9	0.9	0.2	0.5	0.4	0.3
Below Normal (6%)	0.3	0.1	0.0	1.6	2.7	2.3	0.6	0.6	0.2	0.6	0.4	0.2
Dry (13%)	0.1	0.5	0.6	0.7	0.9	2.0	0.6	0.3	0.1	0.6	0.5	0.2
Critical (25%)	0.2	0.1	0.4	0.7	0.4	0.6	0.2	-0.1	-0.1	0.5	0.2	0.1

Alternative 8 (LLT)

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.9	3.2	6.2	5.7	7.0	6.4	4.4	2.4	1.9	2.2	2.1	2.6
20%	1.8	2.4	2.2	5.1	6.2	5.2	2.6	1.9	1.8	2.0	2.1	2.5
30%	1.8	1.8	2.1	3.6	4.0	4.1	2.1	1.8	1.8	2.0	2.1	2.1
40%	1.7	1.7	2.0	2.6	2.7	2.8	2.0	1.7	1.8	2.0	2.0	1.9
50%	1.7	1.7	1.9	2.4	2.5	2.7	1.9	1.7	1.8	1.9	2.0	1.9
60%	1.7	1.6	1.8	2.1	2.3	2.4	1.8	1.7	1.8	1.9	2.0	1.9
70%	1.6	1.5	1.7	1.8	1.9	2.1	1.8	1.6	1.7	1.9	1.9	1.9
80%	1.6	1.5	1.5	1.6	1.8	1.9	1.7	1.5	1.7	1.9	1.9	1.8
90%	1.6	1.4	1.5	1.5	1.5	1.8	1.7	1.5	1.6	1.8	1.9	1.8
Long Term												
Full Simulation Period[a]	1.7	2.0	2.7	3.1	3.5	3.5	2.5	1.9	1.8	2.0	2.0	2.1
Water Year Types[b]												
Wet (31%)	1.8	3.2	5.6	4.7	6.1	5.8	4.2	2.5	2.2	2.2	2.1	2.6
Above Normal (25%)	1.6	1.5	2.1	5.8	5.7	4.6	2.4	1.8	1.7	1.9	2.0	2.0
Below Normal (6%)	1.7	1.6	1.5	2.7	3.2	2.7	2.0	1.8	1.8	1.8	1.9	1.8
Dry (13%)	1.6	1.7	1.8	1.9	2.1	2.8	2.1	1.7	1.8	1.9	2.0	1.8
Critical (25%)	1.7	1.7	1.7	1.8	1.8	1.9	1.6	1.5	1.7	1.9	2.0	1.9

Alternative 8 (LLT) minus Existing Condition

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.8	0.1	0.0	**-0.1**	**-0.3**	**-0.4**	0.1	0.4	1.3	1.3	1.5	1.7
20%	1.5	0.1	0.6	0.4	**-0.3**	**-0.1**	1.3	1.3	1.6	1.3	1.6	2.1
30%	1.5	1.3	1.0	0.4	0.6	0.1	1.0	1.2	1.6	1.3	1.6	1.7
40%	1.6	1.5	1.2	1.0	**-0.1**	0.0	1.4	1.2	1.6	1.3	1.6	1.6
50%	1.6	1.6	1.2	0.9	0.8	0.4	1.4	1.3	1.6	1.3	1.6	1.6
60%	1.6	1.5	1.4	1.1	1.6	0.4	1.4	1.4	1.7	1.3	1.6	1.7
70%	1.6	1.5	1.4	1.2	1.3	1.0	1.4	1.4	1.7	1.4	1.6	1.7
80%	1.6	1.5	1.3	1.2	1.2	1.4	1.5	1.5	1.8	1.5	1.6	1.7
90%	1.6	1.6	1.5	1.3	1.3	1.6	1.6	1.6	1.7	1.4	1.7	1.7
Long Term												
Full Simulation Period[a]	1.4	1.1	1.0	0.8	0.7	0.5	1.1	1.1	1.4	1.3	1.6	1.6
Water Year Types[b]												
Wet (31%)	1.0	0.4	0.3	0.2	**-0.2**	**-0.4**	0.5	0.3	0.6	1.1	1.5	1.5
Above Normal (25%)	1.6	1.2	1.1	0.1	0.1	**-0.1**	0.5	0.9	1.4	1.4	1.6	1.7
Below Normal (6%)	1.4	1.5	1.5	1.1	0.4	0.4	1.4	1.2	1.6	1.2	1.5	1.6
Dry (13%)	1.6	1.2	1.2	1.1	1.1	0.8	1.5	1.4	1.6	1.3	1.5	1.6
Critical (25%)	1.5	1.6	1.3	1.1	1.3	1.3	1.4	1.6	1.8	1.5	1.7	1.8

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-31-2-13. Sacramento River d/s of Georgiana Slough, Monthly Averaged Daily Minimum Elevation

Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.1	3.1	6.2	5.9	7.4	6.8	4.3	1.9	0.6	0.9	0.6	0.8
20%	0.3	2.3	1.6	4.7	6.6	5.3	1.3	0.6	0.2	0.7	0.5	0.4
30%	0.2	0.5	1.1	3.2	3.5	3.9	1.0	0.5	0.2	0.7	0.4	0.3
40%	0.1	0.3	0.7	1.6	2.7	2.8	0.6	0.5	0.2	0.6	0.4	0.3
50%	0.1	0.1	0.7	1.5	1.6	2.2	0.5	0.4	0.1	0.6	0.4	0.3
60%	0.1	0.1	0.5	1.0	0.6	2.0	0.4	0.2	0.1	0.6	0.4	0.2
70%	0.0	0.0	0.3	0.6	0.6	1.1	0.4	0.1	0.0	0.5	0.3	0.2
80%	0.0	-0.1	0.3	0.4	0.5	0.5	0.2	0.0	-0.1	0.4	0.2	0.1
90%	-0.1	-0.2	-0.1	0.2	0.2	0.2	0.1	-0.1	-0.1	0.4	0.2	0.1
Long Term												
Full Simulation Period[a]	0.3	0.9	1.7	2.3	2.8	3.0	1.4	0.8	0.4	0.7	0.4	0.4
Water Year Types[b]												
Wet (31%)	0.8	2.8	5.2	4.4	6.3	6.3	3.6	2.2	1.6	1.1	0.6	1.1
Above Normal (25%)	0.0	0.3	1.0	5.8	5.5	4.7	1.9	0.9	0.2	0.5	0.4	0.3
Below Normal (6%)	0.3	0.1	0.0	1.6	2.7	2.3	0.6	0.6	0.2	0.6	0.4	0.2
Dry (13%)	0.1	0.5	0.6	0.7	0.9	2.0	0.6	0.3	0.1	0.6	0.5	0.2
Critical (25%)	0.2	0.1	0.4	0.7	0.4	0.6	0.2	-0.1	-0.1	0.5	0.2	0.1

Alternative 9 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.0	3.4	7.0	6.9	8.4	7.6	5.0	2.5	2.1	2.4	2.2	3.3
20%	1.9	2.6	2.2	6.1	7.5	6.3	2.3	2.1	1.9	2.4	2.2	2.8
30%	1.9	2.1	2.2	4.0	4.5	4.5	2.1	1.9	1.9	2.3	2.1	2.3
40%	1.9	1.8	2.1	2.6	3.2	3.0	1.9	1.9	1.9	2.3	2.1	2.0
50%	1.8	1.8	2.0	2.5	2.4	2.9	1.8	1.8	1.8	2.2	2.1	1.9
60%	1.7	1.7	2.0	2.1	2.0	2.4	1.8	1.8	1.8	2.1	2.0	1.9
70%	1.7	1.6	1.9	1.9	1.9	2.0	1.8	1.7	1.8	2.1	2.0	1.9
80%	1.7	1.5	1.7	1.8	1.8	1.7	1.7	1.7	1.8	2.0	1.9	1.8
90%	1.6	1.5	1.6	1.7	1.7	1.7	1.6	1.5	1.7	1.9	1.8	1.8
Long Term												
Full Simulation Period[a]	1.8	2.2	3.0	3.5	4.0	3.9	2.6	2.0	1.9	2.2	2.1	2.2
Water Year Types[b]												
Wet (31%)	2.1	3.6	6.3	5.4	7.3	7.0	4.7	2.7	2.4	2.4	2.2	3.2
Above Normal (25%)	1.7	1.7	2.2	6.8	6.8	5.5	2.6	2.0	1.8	2.3	2.1	2.3
Below Normal (6%)	1.9	1.9	1.7	2.6	3.2	2.9	1.9	1.8	1.9	2.0	1.9	1.9
Dry (13%)	1.8	1.8	1.9	1.9	2.1	2.7	1.9	1.9	1.8	2.2	2.1	1.8
Critical (25%)	1.7	1.7	1.9	2.0	1.8	1.9	1.7	1.6	1.7	2.0	1.9	1.8

Alternative 9 (LLT) minus Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.0	0.3	0.8	1.1	1.0	0.8	0.7	0.6	1.5	1.5	1.6	2.4
20%	1.6	0.3	0.7	1.4	1.0	1.1	1.0	1.4	1.7	1.7	1.7	2.4
30%	1.7	1.6	1.1	0.8	1.0	0.6	1.1	1.4	1.7	1.7	1.7	1.9
40%	1.7	1.5	1.4	1.0	0.5	0.3	1.3	1.4	1.7	1.7	1.7	1.6
50%	1.7	1.7	1.3	1.0	0.8	0.7	1.3	1.5	1.7	1.6	1.6	1.6
60%	1.7	1.6	1.5	1.1	1.3	0.4	1.4	1.5	1.7	1.5	1.6	1.7
70%	1.7	1.6	1.6	1.3	1.3	1.0	1.4	1.5	1.8	1.6	1.7	1.7
80%	1.7	1.6	1.4	1.4	1.3	1.2	1.5	1.7	1.9	1.6	1.7	1.7
90%	1.7	1.6	1.7	1.4	1.5	1.5	1.5	1.7	1.8	1.5	1.7	1.7
Long Term												
Full Simulation Period[a]	1.5	1.3	1.3	1.1	1.2	0.9	1.2	1.3	1.5	1.5	1.6	1.8
Water Year Types[b]												
Wet (31%)	1.3	0.7	1.1	1.0	1.0	0.7	1.1	0.5	0.8	1.3	1.6	2.1
Above Normal (25%)	1.6	1.4	1.2	1.0	1.3	0.8	0.7	1.1	1.6	1.8	1.7	1.9
Below Normal (6%)	1.6	1.8	1.7	1.0	0.5	0.6	1.3	1.2	1.7	1.4	1.5	1.7
Dry (13%)	1.7	1.3	1.3	1.2	1.1	0.8	1.3	1.6	1.7	1.6	1.6	1.6
Critical (25%)	1.6	1.6	1.5	1.3	1.4	1.3	1.5	1.7	1.9	1.6	1.7	1.7

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-31-2-14. Sacramento River d/s of Georgiana Slough, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.7	3.1	6.8	6.9	8.1	7.3	5.0	2.3	1.6	2.3	1.7	2.9
20%	1.5	2.4	2.2	6.1	7.4	6.4	2.3	1.7	1.4	2.2	1.7	2.3
30%	1.4	1.8	2.1	4.2	4.7	4.8	2.0	1.6	1.3	2.1	1.6	1.8
40%	1.4	1.5	1.9	2.7	3.2	3.4	1.7	1.5	1.3	1.9	1.6	1.5
50%	1.4	1.4	1.7	2.5	2.5	3.0	1.6	1.4	1.3	1.9	1.5	1.4
60%	1.3	1.3	1.6	2.1	1.7	2.5	1.5	1.3	1.2	1.8	1.5	1.4
70%	1.3	1.2	1.4	1.9	1.6	2.0	1.5	1.3	1.2	1.7	1.4	1.4
80%	1.3	1.1	1.3	1.6	1.6	1.5	1.4	1.2	1.1	1.5	1.4	1.3
90%	1.1	1.0	1.1	1.3	1.3	1.4	1.2	1.0	1.1	1.4	1.3	1.3
Long Term												
Full Simulation Period[a]	1.4	1.9	2.7	3.4	3.8	3.8	2.4	1.6	1.4	1.8	1.5	1.8
Water Year Types[b]												
Wet (31%)	1.7	3.3	6.0	5.5	7.1	6.8	4.5	2.4	1.9	2.1	1.7	2.8
Above Normal (25%)	1.3	1.3	2.1	6.6	6.7	5.6	2.6	1.7	1.3	2.1	1.7	1.8
Below Normal (6%)	1.5	1.5	1.4	2.7	3.2	2.9	1.7	1.4	1.4	1.5	1.5	1.4
Dry (13%)	1.3	1.6	1.6	1.8	2.0	2.7	1.6	1.5	1.3	1.9	1.6	1.3
Critical (25%)	1.3	1.3	1.4	1.9	1.5	1.7	1.3	1.1	1.1	1.6	1.4	1.3

Alternative 1A,1B,1C (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.4	2.6	5.7	5.6	6.9	6.2	4.0	2.0	2.1	2.4	2.1	2.1
20%	2.1	2.2	2.1	4.8	6.0	5.0	2.2	1.8	2.0	2.4	2.1	2.0
30%	2.0	2.0	2.1	3.6	3.6	3.9	2.1	1.8	1.9	2.4	2.1	2.0
40%	1.9	1.7	2.0	2.4	2.5	2.6	1.9	1.7	1.8	2.3	1.9	1.9
50%	1.8	1.6	2.0	2.2	2.2	2.4	1.8	1.7	1.8	2.1	1.9	1.9
60%	1.8	1.5	1.8	2.0	1.8	2.3	1.8	1.6	1.7	2.0	1.9	1.8
70%	1.7	1.5	1.7	1.7	1.7	2.0	1.7	1.6	1.7	1.9	1.8	1.8
80%	1.7	1.4	1.6	1.6	1.7	1.7	1.6	1.5	1.7	1.9	1.8	1.7
90%	1.6	1.4	1.5	1.6	1.6	1.6	1.5	1.3	1.6	1.8	1.7	1.6
Long Term												
Full Simulation Period[a]	1.9	1.9	2.7	3.0	3.3	3.3	2.4	1.8	1.8	2.1	1.9	1.9
Water Year Types[b]												
Wet (31%)	1.8	3.1	5.3	4.5	6.0	5.8	4.0	2.2	2.1	2.3	1.9	2.0
Above Normal (25%)	2.0	1.4	2.1	5.3	5.6	4.6	2.2	1.7	1.7	2.1	1.8	1.6
Below Normal (6%)	2.6	1.5	1.6	2.4	2.5	2.4	1.9	1.6	1.8	1.8	1.6	1.7
Dry (13%)	1.7	1.6	1.8	2.0	1.8	2.5	1.9	1.8	1.8	2.3	2.1	1.9
Critical (25%)	2.1	1.6	1.7	1.7	1.7	1.7	1.6	1.4	1.6	2.0	1.9	1.9

Alternative 1A,1B,1C (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.8	**-0.6**	**-1.1**	**-1.3**	**-1.2**	**-1.2**	**-1.0**	**-0.3**	0.5	0.2	0.4	**-0.9**
20%	0.6	**-0.1**	**-0.1**	**-1.3**	**-1.3**	**-1.3**	**-0.1**	0.1	0.6	0.1	0.4	**-0.3**
30%	0.6	0.2	**0.0**	**-0.5**	**-1.1**	**-0.9**	0.1	0.2	0.5	0.3	0.4	0.2
40%	0.5	0.2	0.1	**-0.2**	**-0.7**	**-0.8**	0.2	0.2	0.5	0.4	0.3	0.4
50%	0.5	0.2	0.3	**-0.3**	**-0.3**	**-0.6**	0.3	0.3	0.5	0.3	0.4	0.4
60%	0.4	0.2	0.2	**-0.1**	0.0	**-0.2**	0.3	0.3	0.5	0.2	0.3	0.4
70%	0.4	0.3	0.4	**-0.1**	0.1	0.0	0.3	0.3	0.5	0.3	0.4	0.4
80%	0.5	0.3	0.3	0.0	0.1	0.2	0.3	0.3	0.6	0.3	0.4	0.4
90%	0.5	0.3	0.4	0.2	0.3	0.2	0.3	0.3	0.5	0.4	0.4	0.4
Long Term												
Full Simulation Period[a]	0.5	0.1	**0.0**	**-0.4**	**-0.4**	**-0.5**	**0.0**	0.1	0.5	0.3	0.4	0.1
Water Year Types[b]												
Wet (31%)	0.2	**-0.2**	**-0.8**	**-1.0**	**-1.1**	**-1.0**	**-0.5**	**-0.2**	0.2	0.3	0.2	**-0.9**
Above Normal (25%)	0.7	0.2	0.1	**-1.3**	**-1.1**	**-1.1**	**-0.4**	0.1	0.4	0.0	0.1	**-0.2**
Below Normal (6%)	1.0	**-0.1**	0.3	**-0.2**	**-0.7**	**-0.5**	0.2	0.2	0.5	0.2	0.2	0.3
Dry (13%)	0.4	0.0	0.2	0.2	**-0.1**	**-0.3**	0.2	0.3	0.6	0.4	0.5	0.5
Critical (25%)	0.8	0.3	0.3	**-0.1**	0.2	0.1	0.3	0.3	0.6	0.4	0.6	0.6

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-31-2-15. Sacramento River d/s of Georgiana Slough, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.7	3.1	6.8	6.9	8.1	7.3	5.0	2.3	1.6	2.3	1.7	2.9
20%	1.5	2.4	2.2	6.1	7.4	6.4	2.3	1.7	1.4	2.2	1.7	2.3
30%	1.4	1.8	2.1	4.2	4.7	4.8	2.0	1.6	1.3	2.1	1.6	1.8
40%	1.4	1.5	1.9	2.7	3.2	3.4	1.7	1.5	1.3	1.9	1.6	1.5
50%	1.4	1.4	1.7	2.5	2.5	3.0	1.6	1.4	1.3	1.9	1.5	1.4
60%	1.3	1.3	1.6	2.1	1.7	2.5	1.5	1.3	1.2	1.8	1.5	1.4
70%	1.3	1.2	1.4	1.9	1.6	2.0	1.5	1.3	1.2	1.7	1.4	1.4
80%	1.3	1.1	1.3	1.6	1.6	1.5	1.4	1.2	1.1	1.5	1.4	1.3
90%	1.1	1.0	1.1	1.3	1.3	1.4	1.2	1.0	1.1	1.4	1.3	1.3
Long Term												
Full Simulation Period[a]	1.4	1.9	2.7	3.4	3.8	3.8	2.4	1.6	1.4	1.8	1.5	1.8
Water Year Types[b]												
Wet (31%)	1.7	3.3	6.0	5.5	7.1	6.8	4.5	2.4	1.9	2.1	1.7	2.8
Above Normal (25%)	1.3	1.3	2.1	6.6	6.7	5.6	2.6	1.7	1.3	2.1	1.7	1.8
Below Normal (6%)	1.5	1.5	1.4	2.7	3.2	2.9	1.7	1.4	1.4	1.5	1.5	1.4
Dry (13%)	1.3	1.6	1.6	1.8	2.0	2.7	1.6	1.5	1.3	1.9	1.6	1.3
Critical (25%)	1.3	1.3	1.4	1.9	1.5	1.7	1.3	1.1	1.1	1.6	1.4	1.3

Alternative 2A,2B,2C (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.0	2.4	5.5	5.4	6.7	6.0	3.9	2.0	2.0	2.5	2.1	2.5
20%	1.9	2.2	2.1	4.7	5.9	4.9	2.2	1.9	1.9	2.4	2.1	2.2
30%	1.8	1.8	2.0	3.4	3.4	3.5	1.9	1.8	1.8	2.4	2.1	2.0
40%	1.8	1.8	2.0	2.2	2.4	2.5	1.8	1.7	1.8	2.3	2.0	2.0
50%	1.7	1.7	1.9	2.1	2.1	2.4	1.8	1.6	1.7	2.2	2.0	1.9
60%	1.7	1.5	1.8	2.1	1.7	2.2	1.7	1.6	1.7	2.1	1.9	1.9
70%	1.6	1.5	1.8	1.8	1.7	1.9	1.6	1.5	1.7	2.0	1.8	1.9
80%	1.6	1.5	1.6	1.6	1.6	1.6	1.6	1.5	1.6	1.9	1.8	1.9
90%	1.5	1.4	1.5	1.6	1.4	1.6	1.5	1.3	1.6	1.7	1.8	1.8
Long Term												
Full Simulation Period[a]	1.7	1.9	2.6	2.9	3.2	3.2	2.3	1.7	1.8	2.2	1.9	2.0
Water Year Types[b]												
Wet (31%)	1.8	2.7	5.1	4.4	5.9	5.6	3.9	2.2	2.0	2.4	1.9	2.5
Above Normal (25%)	1.9	1.4	2.1	5.1	5.3	4.5	2.0	1.8	1.6	2.4	1.9	1.8
Below Normal (6%)	1.7	1.5	1.6	2.4	2.4	2.3	1.9	1.6	1.7	1.7	1.7	1.8
Dry (13%)	1.6	1.7	1.8	1.7	1.8	2.2	1.8	1.8	1.8	2.3	2.0	1.9
Critical (25%)	1.8	1.7	1.7	1.9	1.6	1.7	1.6	1.4	1.6	2.0	1.9	1.9

Alternative 2A,2B,2C (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.3	**-0.8**	**-1.4**	**-1.5**	**-1.4**	**-1.4**	**-1.1**	**-0.3**	0.4	0.2	0.3	**-0.4**
20%	0.3	**-0.2**	**-0.1**	**-1.4**	**-1.5**	**-1.4**	**-0.1**	0.2	0.5	0.2	0.4	**-0.1**
30%	0.4	0.0	**-0.1**	**-0.8**	**-1.2**	**-1.3**	**-0.1**	0.2	0.5	0.3	0.4	0.2
40%	0.4	0.2	0.1	**-0.5**	**-0.8**	**-0.9**	0.1	0.2	0.5	0.4	0.4	0.5
50%	0.3	0.3	0.2	**-0.3**	**-0.4**	**-0.7**	0.2	0.3	0.5	0.4	0.4	0.5
60%	0.3	0.3	0.2	0.0	**-0.1**	**-0.2**	0.2	0.3	0.5	0.3	0.3	0.5
70%	0.3	0.3	0.4	**0.0**	0.1	**-0.1**	0.2	0.3	0.5	0.3	0.4	0.5
80%	0.3	0.4	0.3	0.1	0.1	0.1	0.2	0.3	0.5	0.4	0.4	0.6
90%	0.4	0.3	0.4	0.2	0.1	0.2	0.3	0.3	0.5	0.4	0.5	0.5
Long Term												
Full Simulation Period[a]	0.3	0.0	**-0.1**	**-0.5**	**-0.5**	**-0.6**	**-0.1**	0.1	0.4	0.3	0.4	0.3
Water Year Types[b]												
Wet (31%)	0.1	**-0.6**	**-1.0**	**-1.1**	**-1.3**	**-1.2**	**-0.6**	**-0.3**	0.1	0.3	0.2	**-0.4**
Above Normal (25%)	0.6	0.1	0.0	**-1.5**	**-1.4**	**-1.2**	**-0.6**	0.1	0.3	0.3	0.3	0.0
Below Normal (6%)	0.1	**0.0**	0.2	**-0.3**	**-0.8**	**-0.6**	0.2	0.2	0.3	0.2	0.2	0.4
Dry (13%)	0.2	0.1	0.2	**-0.1**	**-0.2**	**-0.5**	0.2	0.3	0.5	0.3	0.5	0.6
Critical (25%)	0.5	0.4	0.3	0.0	0.1	0.0	0.2	0.3	0.6	0.4	0.6	0.6

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-31-2-16. Sacramento River d/s of Georgiana Slough, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.7	3.1	6.8	6.9	8.1	7.3	5.0	2.3	1.6	2.3	1.7	2.9
20%	1.5	2.4	2.2	6.1	7.4	6.4	2.3	1.7	1.4	2.2	1.7	2.3
30%	1.4	1.8	2.1	4.2	4.7	4.8	2.0	1.6	1.3	2.1	1.6	1.8
40%	1.4	1.5	1.9	2.7	3.2	3.4	1.7	1.5	1.3	1.9	1.6	1.5
50%	1.4	1.4	1.7	2.5	2.5	3.0	1.6	1.4	1.3	1.9	1.5	1.4
60%	1.3	1.3	1.6	2.1	1.7	2.5	1.5	1.3	1.2	1.8	1.5	1.4
70%	1.3	1.2	1.4	1.9	1.6	2.0	1.5	1.3	1.2	1.7	1.4	1.4
80%	1.3	1.1	1.3	1.6	1.6	1.5	1.4	1.2	1.1	1.5	1.4	1.3
90%	1.1	1.0	1.1	1.3	1.3	1.4	1.2	1.0	1.1	1.4	1.3	1.3
Long Term												
Full Simulation Period[a]	1.4	1.9	2.7	3.4	3.8	3.8	2.4	1.6	1.4	1.8	1.5	1.8
Water Year Types[b]												
Wet (31%)	1.7	3.3	6.0	5.5	7.1	6.8	4.5	2.4	1.9	2.1	1.7	2.8
Above Normal (25%)	1.3	1.3	2.1	6.6	6.7	5.6	2.6	1.7	1.3	2.1	1.7	1.8
Below Normal (6%)	1.5	1.5	1.4	2.7	3.2	2.9	1.7	1.4	1.4	1.5	1.5	1.4
Dry (13%)	1.3	1.6	1.6	1.8	2.0	2.7	1.6	1.5	1.3	1.9	1.6	1.3
Critical (25%)	1.3	1.3	1.4	1.9	1.5	1.7	1.3	1.1	1.1	1.6	1.4	1.3

Alternative 3 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.4	3.1	6.4	6.1	7.4	6.7	4.4	2.3	2.2	2.4	2.1	2.1
20%	2.2	2.4	2.3	5.4	6.6	5.5	2.2	1.9	1.9	2.4	2.1	2.0
30%	2.1	1.7	2.2	3.7	3.9	4.1	2.0	1.8	1.8	2.3	2.0	2.0
40%	2.0	1.7	2.0	2.6	2.8	2.7	1.8	1.7	1.8	2.3	2.0	1.9
50%	1.9	1.6	2.0	2.3	2.3	2.6	1.8	1.6	1.7	2.1	1.9	1.9
60%	1.8	1.6	1.9	2.1	1.9	2.3	1.7	1.6	1.7	2.0	1.9	1.8
70%	1.7	1.6	1.7	1.8	1.8	2.1	1.7	1.5	1.7	2.0	1.9	1.8
80%	1.7	1.5	1.7	1.7	1.8	1.7	1.6	1.5	1.7	1.8	1.9	1.8
90%	1.6	1.5	1.5	1.6	1.5	1.6	1.5	1.3	1.6	1.7	1.8	1.8
Long Term												
Full Simulation Period[a]	2.0	2.1	2.8	3.2	3.5	3.5	2.4	1.8	1.9	2.1	1.9	2.0
Water Year Types[b]												
Wet (31%)	1.9	3.3	5.7	4.8	6.4	6.1	4.3	2.4	2.3	2.3	2.0	2.2
Above Normal (25%)	2.1	1.6	2.1	5.9	6.0	4.8	2.4	1.7	1.8	2.1	1.9	1.8
Below Normal (6%)	2.2	1.6	1.7	2.6	2.8	2.5	1.8	1.6	1.8	1.7	1.7	1.7
Dry (13%)	1.7	1.7	1.9	1.9	2.0	2.6	1.8	1.8	1.8	2.3	2.0	1.9
Critical (25%)	2.2	1.6	1.7	1.9	1.7	1.8	1.6	1.4	1.6	2.0	1.9	1.9

Alternative 3 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.8	**-0.1**	**-0.5**	**-0.8**	**-0.7**	**-0.7**	**-0.7**	**0.0**	0.6	0.2	0.3	**-0.8**
20%	0.7	**0.0**	0.1	**-0.7**	**-0.8**	**-0.8**	**-0.1**	0.2	0.5	0.1	0.4	**-0.3**
30%	0.7	**0.0**	0.1	**-0.4**	**-0.7**	**-0.7**	0.1	0.2	0.5	0.2	0.4	0.2
40%	0.6	0.1	0.1	**-0.1**	**-0.4**	**-0.7**	0.1	0.2	0.5	0.4	0.4	0.5
50%	0.5	0.2	0.3	**-0.1**	**-0.2**	**-0.5**	0.2	0.3	0.5	0.2	0.4	0.5
60%	0.4	0.3	0.3	**0.0**	0.1	**-0.2**	0.2	0.3	0.5	0.1	0.4	0.4
70%	0.4	0.4	0.4	**-0.1**	0.2	0.1	0.2	0.3	0.5	0.3	0.4	0.5
80%	0.4	0.4	0.4	0.1	0.2	0.3	0.3	0.3	0.6	0.3	0.5	0.5
90%	0.5	0.4	0.4	0.3	0.2	0.2	0.3	0.3	0.5	0.4	0.5	0.5
Long Term												
Full Simulation Period[a]	0.6	0.2	0.1	**-0.2**	**-0.2**	**-0.3**	0.0	0.2	0.5	0.3	0.4	0.2
Water Year Types[b]												
Wet (31%)	0.2	0.0	**-0.3**	**-0.7**	**-0.7**	**-0.7**	**-0.3**	**-0.1**	0.4	0.2	0.2	**-0.6**
Above Normal (25%)	0.8	0.3	0.1	**-0.7**	**-0.7**	**-0.8**	**-0.2**	0.1	0.5	0.0	0.2	0.0
Below Normal (6%)	0.7	0.1	0.3	**-0.1**	**-0.4**	**-0.4**	0.1	0.2	0.4	0.2	0.2	0.3
Dry (13%)	0.4	0.1	0.3	0.2	0.0	**-0.1**	0.2	0.3	0.5	0.4	0.5	0.5
Critical (25%)	0.9	0.3	0.3	0.0	0.2	0.1	0.2	0.3	0.6	0.4	0.6	0.6

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-31-2-17. Sacramento River d/s of Georgiana Slough, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.7	3.1	6.8	6.9	8.1	7.3	5.0	2.3	1.6	2.3	1.7	2.9
20%	1.5	2.4	2.2	6.1	7.4	6.4	2.3	1.7	1.4	2.2	1.7	2.3
30%	1.4	1.8	2.1	4.2	4.7	4.8	2.0	1.6	1.3	2.1	1.6	1.8
40%	1.4	1.5	1.9	2.7	3.2	3.4	1.7	1.5	1.3	1.9	1.6	1.5
50%	1.4	1.4	1.7	2.5	2.5	3.0	1.6	1.4	1.3	1.9	1.5	1.4
60%	1.3	1.3	1.6	2.1	1.7	2.5	1.5	1.3	1.2	1.8	1.5	1.4
70%	1.3	1.2	1.4	1.9	1.6	2.0	1.5	1.3	1.2	1.7	1.4	1.4
80%	1.3	1.1	1.3	1.6	1.6	1.5	1.4	1.2	1.1	1.5	1.4	1.3
90%	1.1	1.0	1.1	1.3	1.3	1.4	1.2	1.0	1.1	1.4	1.3	1.3
Long Term												
Full Simulation Period[a]	1.4	1.9	2.7	3.4	3.8	3.8	2.4	1.6	1.4	1.8	1.5	1.8
Water Year Types[b]												
Wet (31%)	1.7	3.3	6.0	5.5	7.1	6.8	4.5	2.4	1.9	2.1	1.7	2.8
Above Normal (25%)	1.3	1.3	2.1	6.6	6.7	5.6	2.6	1.7	1.3	2.1	1.7	1.8
Below Normal (6%)	1.5	1.5	1.4	2.7	3.2	2.9	1.7	1.4	1.4	1.5	1.5	1.4
Dry (13%)	1.3	1.6	1.6	1.8	2.0	2.7	1.6	1.5	1.3	1.9	1.6	1.3
Critical (25%)	1.3	1.3	1.4	1.9	1.5	1.7	1.3	1.1	1.1	1.6	1.4	1.3

Alternative 4 H1 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.0	3.0	6.1	5.8	7.3	6.4	4.1	2.1	2.0	2.6	2.1	2.1
20%	2.0	2.3	2.3	5.1	6.3	5.3	2.3	1.9	1.9	2.5	2.1	2.0
30%	2.0	1.7	2.1	3.5	3.7	4.0	1.9	1.8	1.8	2.3	2.0	2.0
40%	1.8	1.6	2.1	2.4	2.6	2.6	1.8	1.7	1.8	2.3	2.0	1.9
50%	1.7	1.6	1.9	2.3	2.3	2.4	1.8	1.6	1.7	2.2	2.0	1.9
60%	1.6	1.5	1.8	2.3	1.8	2.3	1.7	1.6	1.7	2.0	1.9	1.9
70%	1.6	1.5	1.8	2.0	1.7	1.9	1.6	1.5	1.7	2.0	1.9	1.9
80%	1.6	1.5	1.6	1.9	1.7	1.6	1.6	1.5	1.7	1.9	1.8	1.7
90%	1.6	1.4	1.5	1.6	1.5	1.6	1.5	1.3	1.6	1.7	1.8	1.7
Long Term												
Full Simulation Period[a]	1.8	2.0	2.8	3.1	3.4	3.4	2.3	1.8	1.8	2.2	1.9	1.9
Water Year Types[b]												
Wet (31%)	1.8	3.1	5.5	4.6	6.2	5.9	4.1	2.3	2.1	2.4	1.9	2.1
Above Normal (25%)	1.9	1.5	2.1	5.7	5.8	4.7	2.1	1.7	1.7	2.4	1.9	1.7
Below Normal (6%)	2.0	1.6	1.6	2.5	2.7	2.5	1.8	1.6	1.7	1.6	1.6	1.6
Dry (13%)	1.6	1.6	1.9	1.8	1.9	2.5	1.8	1.8	1.8	2.3	2.1	2.0
Critical (25%)	1.8	1.6	1.8	2.0	1.6	1.7	1.6	1.4	1.6	1.9	1.9	1.9

Alternative 4 H1 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.3	**-0.2**	**-0.8**	**-1.1**	**-0.8**	**-1.0**	**-0.9**	**-0.2**	0.4	0.3	0.4	**-0.8**
20%	0.5	**-0.1**	0.1	**-1.0**	**-1.1**	**-1.1**	**-0.1**	0.2	0.5	0.3	0.4	**-0.3**
30%	0.5	**0.0**	0.0	**-0.6**	**-1.0**	**-0.8**	**-0.1**	0.2	0.5	0.2	0.4	0.2
40%	0.4	0.1	0.2	**-0.2**	**-0.6**	**-0.8**	0.1	0.2	0.5	0.4	0.4	0.5
50%	0.4	0.2	0.2	**-0.2**	**-0.2**	**-0.6**	0.2	0.2	0.4	0.4	0.5	0.5
60%	0.3	0.2	0.3	0.2	0.0	**-0.2**	0.2	0.3	0.5	0.2	0.4	0.5
70%	0.3	0.3	0.4	0.2	0.1	**0.0**	0.2	0.3	0.5	0.3	0.4	0.5
80%	0.3	0.3	0.3	0.3	0.1	0.2	0.2	0.3	0.6	0.4	0.4	0.4
90%	0.4	0.4	0.4	0.2	0.2	0.2	0.3	0.3	0.5	0.4	0.4	0.4
Long Term												
Full Simulation Period[a]	0.4	0.1	0.1	**-0.3**	**-0.3**	**-0.4**	**-0.1**	0.1	0.4	0.3	0.4	0.2
Water Year Types[b]												
Wet (31%)	0.1	**-0.1**	**-0.6**	**-0.8**	**-0.9**	**-0.9**	**-0.5**	**-0.2**	0.2	0.4	0.2	**-0.7**
Above Normal (25%)	0.6	0.2	0.1	**-0.9**	**-0.9**	**-1.0**	**-0.5**	0.1	0.4	0.3	0.3	**-0.1**
Below Normal (6%)	0.5	0.0	0.2	**-0.1**	**-0.5**	**-0.5**	0.2	0.2	0.3	0.1	0.2	0.2
Dry (13%)	0.3	0.1	0.3	0.1	**-0.1**	**-0.2**	0.2	0.3	0.5	0.4	0.5	0.6
Critical (25%)	0.5	0.3	0.4	0.2	0.2	0.1	0.2	0.3	0.6	0.4	0.6	0.6

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-31-2-18. Sacramento River d/s of Georgiana Slough, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.7	3.1	6.8	6.9	8.1	7.3	5.0	2.3	1.6	2.3	1.7	2.9
20%	1.5	2.4	2.2	6.1	7.4	6.4	2.3	1.7	1.4	2.2	1.7	2.3
30%	1.4	1.8	2.1	4.2	4.7	4.8	2.0	1.6	1.3	2.1	1.6	1.8
40%	1.4	1.5	1.9	2.7	3.2	3.4	1.7	1.5	1.3	1.9	1.6	1.5
50%	1.4	1.4	1.7	2.5	2.5	3.0	1.6	1.4	1.3	1.9	1.5	1.4
60%	1.3	1.3	1.6	2.1	1.7	2.5	1.5	1.3	1.2	1.8	1.5	1.4
70%	1.3	1.2	1.4	1.9	1.6	2.0	1.5	1.3	1.2	1.7	1.4	1.4
80%	1.3	1.1	1.3	1.6	1.6	1.5	1.4	1.2	1.1	1.5	1.4	1.3
90%	1.1	1.0	1.1	1.3	1.3	1.4	1.2	1.0	1.1	1.4	1.3	1.3
Long Term												
Full Simulation Period[a]	1.4	1.9	2.7	3.4	3.8	3.8	2.4	1.6	1.4	1.8	1.5	1.8
Water Year Types[b]												
Wet (31%)	1.7	3.3	6.0	5.5	7.1	6.8	4.5	2.4	1.9	2.1	1.7	2.8
Above Normal (25%)	1.3	1.3	2.1	6.6	6.7	5.6	2.6	1.7	1.3	2.1	1.7	1.8
Below Normal (6%)	1.5	1.5	1.4	2.7	3.2	2.9	1.7	1.4	1.4	1.5	1.5	1.4
Dry (13%)	1.3	1.6	1.6	1.8	2.0	2.7	1.6	1.5	1.3	1.9	1.6	1.3
Critical (25%)	1.3	1.3	1.4	1.9	1.5	1.7	1.3	1.1	1.1	1.6	1.4	1.3

Alternative 4 H2 (LLT)

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.1	3.0	6.2	5.8	7.3	6.4	4.4	2.2	2.0	2.4	2.1	2.1
20%	2.0	2.4	2.3	5.1	6.3	5.3	2.6	2.0	1.9	2.3	2.1	2.0
30%	2.0	1.7	2.1	3.5	3.8	4.2	2.4	1.9	1.8	2.2	2.0	2.0
40%	1.8	1.6	2.1	2.3	2.6	2.6	2.0	1.9	1.8	2.1	2.0	2.0
50%	1.7	1.6	1.8	2.2	2.3	2.5	1.8	1.7	1.7	2.0	1.9	1.9
60%	1.7	1.5	1.8	2.2	1.7	2.3	1.8	1.6	1.7	2.0	1.9	1.8
70%	1.6	1.5	1.7	2.0	1.7	1.9	1.7	1.6	1.7	1.9	1.9	1.8
80%	1.6	1.5	1.5	1.8	1.7	1.6	1.6	1.5	1.7	1.8	1.8	1.7
90%	1.6	1.4	1.5	1.6	1.4	1.6	1.5	1.3	1.6	1.7	1.7	1.7
Long Term												
Full Simulation Period[a]	1.8	2.0	2.7	3.1	3.4	3.4	2.5	1.8	1.8	2.0	1.9	1.9
Water Year Types[b]												
Wet (31%)	1.8	3.1	5.5	4.6	6.2	5.9	4.4	2.4	2.1	2.2	1.9	2.1
Above Normal (25%)	1.9	1.5	2.1	5.8	5.8	4.7	2.8	2.0	1.7	1.9	1.9	1.7
Below Normal (6%)	1.6	1.6	1.5	2.5	2.8	2.6	1.8	1.6	1.7	1.6	1.6	1.6
Dry (13%)	1.7	1.6	1.8	1.8	1.9	2.5	1.8	1.8	1.8	2.1	2.0	1.9
Critical (25%)	1.9	1.6	1.7	2.0	1.6	1.8	1.5	1.4	1.6	2.0	1.9	2.0

Alternative 4 H2 (LLT) minus No Action Alternative (LLT)

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.4	**-0.1**	**-0.7**	**-1.1**	**-0.8**	**-1.0**	**-0.7**	**-0.1**	0.4	0.1	0.3	**-0.9**
20%	0.5	**0.0**	0.1	**-1.0**	**-1.1**	**-1.1**	0.3	0.3	0.5	0.1	0.4	**-0.3**
30%	0.6	**0.0**	0.0	**-0.6**	**-0.9**	**-0.6**	0.4	0.3	0.5	0.1	0.4	0.2
40%	0.4	0.1	0.2	**-0.4**	**-0.6**	**-0.8**	0.3	0.4	0.5	0.2	0.4	0.5
50%	0.4	0.1	0.1	**-0.2**	**-0.2**	**-0.6**	0.2	0.3	0.5	0.2	0.4	0.5
60%	0.3	0.2	0.2	0.1	0.0	**-0.2**	0.3	0.3	0.5	0.2	0.4	0.4
70%	0.3	0.3	0.4	0.1	0.1	**0.0**	0.2	0.3	0.5	0.2	0.4	0.5
80%	0.3	0.3	0.2	0.3	0.1	0.2	0.2	0.3	0.6	0.2	0.4	0.4
90%	0.4	0.4	0.3	0.3	0.2	0.2	0.2	0.3	0.5	0.3	0.4	0.4
Long Term												
Full Simulation Period[a]	0.4	0.1	0.0	**-0.3**	**-0.3**	**-0.4**	0.1	0.2	0.4	0.2	0.4	0.1
Water Year Types[b]												
Wet (31%)	0.2	**-0.1**	**-0.5**	**-0.9**	**-0.9**	**-0.9**	**-0.2**	**-0.1**	0.2	0.1	0.2	**-0.7**
Above Normal (25%)	0.6	0.2	0.1	**-0.8**	**-0.8**	**-0.9**	0.2	0.3	0.3	**-0.1**	0.2	**-0.1**
Below Normal (6%)	0.0	0.0	0.1	**-0.2**	**-0.4**	**-0.4**	0.2	0.2	0.3	0.1	0.2	0.2
Dry (13%)	0.3	0.1	0.2	0.0	**-0.1**	**-0.2**	0.2	0.3	0.5	0.2	0.5	0.5
Critical (25%)	0.5	0.3	0.3	0.1	0.1	0.1	0.2	0.3	0.5	0.4	0.6	0.6

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-31-2-19. Sacramento River d/s of Georgiana Slough, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.7	3.1	6.8	6.9	8.1	7.3	5.0	2.3	1.6	2.3	1.7	2.9
20%	1.5	2.4	2.2	6.1	7.4	6.4	2.3	1.7	1.4	2.2	1.7	2.3
30%	1.4	1.8	2.1	4.2	4.7	4.8	2.0	1.6	1.3	2.1	1.6	1.8
40%	1.4	1.5	1.9	2.7	3.2	3.4	1.7	1.5	1.3	1.9	1.6	1.5
50%	1.4	1.4	1.7	2.5	2.5	3.0	1.6	1.4	1.3	1.9	1.5	1.4
60%	1.3	1.3	1.6	2.1	1.7	2.5	1.5	1.3	1.2	1.8	1.5	1.4
70%	1.3	1.2	1.4	1.9	1.6	2.0	1.5	1.3	1.2	1.7	1.4	1.4
80%	1.3	1.1	1.3	1.6	1.6	1.5	1.4	1.2	1.1	1.5	1.4	1.3
90%	1.1	1.0	1.1	1.3	1.3	1.4	1.2	1.0	1.1	1.4	1.3	1.3
Long Term												
Full Simulation Period[a]	1.4	1.9	2.7	3.4	3.8	3.8	2.4	1.6	1.4	1.8	1.5	1.8
Water Year Types[b]												
Wet (31%)	1.7	3.3	6.0	5.5	7.1	6.8	4.5	2.4	1.9	2.1	1.7	2.8
Above Normal (25%)	1.3	1.3	2.1	6.6	6.7	5.6	2.6	1.7	1.3	2.1	1.7	1.8
Below Normal (6%)	1.5	1.5	1.4	2.7	3.2	2.9	1.7	1.4	1.4	1.5	1.5	1.4
Dry (13%)	1.3	1.6	1.6	1.8	2.0	2.7	1.6	1.5	1.3	1.9	1.6	1.3
Critical (25%)	1.3	1.3	1.4	1.9	1.5	1.7	1.3	1.1	1.1	1.6	1.4	1.3

Alternative 4 H3 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.0	3.0	6.0	5.8	7.1	6.4	4.1	2.1	2.0	2.6	2.1	2.5
20%	1.9	2.3	2.1	5.1	6.3	5.3	2.3	1.9	1.9	2.5	2.1	2.4
30%	1.8	1.8	2.1	3.6	3.7	3.8	1.9	1.8	1.8	2.3	2.1	2.0
40%	1.8	1.7	2.1	2.5	2.6	2.6	1.8	1.7	1.8	2.3	2.0	2.0
50%	1.7	1.7	2.0	2.3	2.3	2.4	1.7	1.6	1.7	2.2	2.0	2.0
60%	1.7	1.6	1.8	2.2	1.8	2.3	1.7	1.6	1.7	2.1	1.9	1.9
70%	1.6	1.5	1.8	1.9	1.7	1.9	1.6	1.5	1.7	2.0	1.9	1.9
80%	1.6	1.5	1.5	1.7	1.7	1.6	1.6	1.5	1.7	1.9	1.8	1.9
90%	1.6	1.4	1.5	1.5	1.5	1.6	1.5	1.3	1.6	1.7	1.8	1.9
Long Term												
Full Simulation Period[a]	1.8	2.0	2.7	3.1	3.4	3.3	2.3	1.8	1.8	2.2	1.9	2.1
Water Year Types[b]												
Wet (31%)	1.8	3.1	5.4	4.6	6.2	5.9	4.1	2.3	2.1	2.4	1.9	2.6
Above Normal (25%)	2.0	1.5	2.1	5.6	5.7	4.7	2.1	1.7	1.7	2.4	1.9	2.0
Below Normal (6%)	1.7	1.6	1.5	2.5	2.7	2.5	1.8	1.6	1.7	1.6	1.6	1.8
Dry (13%)	1.6	1.7	1.8	1.8	1.9	2.4	1.8	1.8	1.8	2.3	2.0	1.9
Critical (25%)	1.8	1.7	1.8	2.0	1.6	1.8	1.5	1.4	1.6	1.9	1.9	1.9

Alternative 4 H3 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.3	**-0.1**	**-0.9**	**-1.1**	**-1.0**	**-1.0**	**-0.9**	**-0.2**	0.4	0.3	0.3	**-0.4**
20%	0.4	**-0.1**	**-0.1**	**-1.0**	**-1.1**	**-1.1**	**-0.1**	0.2	0.5	0.3	0.4	0.2
30%	0.4	0.0	0.0	**-0.6**	**-1.0**	**-1.0**	**-0.1**	0.2	0.4	0.2	0.4	0.2
40%	0.4	0.2	0.2	**-0.2**	**-0.6**	**-0.8**	0.1	0.2	0.5	0.4	0.4	0.5
50%	0.3	0.3	0.2	**-0.2**	**-0.2**	**-0.6**	0.2	0.3	0.5	0.3	0.5	0.6
60%	0.3	0.3	0.2	0.2	0.0	**-0.2**	0.2	0.3	0.5	0.2	0.4	0.5
70%	0.3	0.3	0.4	0.0	0.1	**0.0**	0.2	0.3	0.5	0.3	0.4	0.6
80%	0.3	0.4	0.2	0.1	0.1	0.2	0.2	0.3	0.5	0.4	0.4	0.6
90%	0.5	0.4	0.4	0.2	0.2	0.2	0.3	0.3	0.5	0.4	0.4	0.6
Long Term												
Full Simulation Period[a]	0.3	0.1	0.0	**-0.3**	**-0.4**	**-0.5**	**-0.1**	0.1	0.4	0.3	0.4	0.3
Water Year Types[b]												
Wet (31%)	0.1	**-0.2**	**-0.6**	**-0.9**	**-0.9**	**-1.0**	**-0.5**	**-0.2**	0.2	0.3	0.2	**-0.2**
Above Normal (25%)	0.7	0.2	0.1	**-1.0**	**-1.0**	**-1.0**	**-0.5**	0.1	0.4	0.3	0.3	0.2
Below Normal (6%)	0.2	0.0	0.1	**-0.2**	**-0.5**	**-0.5**	0.2	0.2	0.3	0.1	0.2	0.4
Dry (13%)	0.3	0.1	0.2	0.0	**0.0**	**-0.4**	0.2	0.3	0.5	0.4	0.5	0.6
Critical (25%)	0.5	0.4	0.4	0.1	0.1	0.1	0.2	0.3	0.6	0.4	0.6	0.6

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-31-2-20. Sacramento River d/s of Georgiana Slough, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.7	3.1	6.8	6.9	8.1	7.3	5.0	2.3	1.6	2.3	1.7	2.9
20%	1.5	2.4	2.2	6.1	7.4	6.4	2.3	1.7	1.4	2.2	1.7	2.3
30%	1.4	1.8	2.1	4.2	4.7	4.8	2.0	1.6	1.3	2.1	1.6	1.8
40%	1.4	1.5	1.9	2.7	3.2	3.4	1.7	1.5	1.3	1.9	1.6	1.5
50%	1.4	1.4	1.7	2.5	2.5	3.0	1.6	1.4	1.3	1.9	1.5	1.4
60%	1.3	1.3	1.6	2.1	1.7	2.5	1.5	1.3	1.2	1.8	1.5	1.4
70%	1.3	1.2	1.4	1.9	1.6	2.0	1.5	1.3	1.2	1.7	1.4	1.4
80%	1.3	1.1	1.3	1.6	1.6	1.5	1.4	1.2	1.1	1.5	1.4	1.3
90%	1.1	1.0	1.1	1.3	1.3	1.4	1.2	1.0	1.1	1.4	1.3	1.3
Long Term												
Full Simulation Period[a]	1.4	1.9	2.7	3.4	3.8	3.8	2.4	1.6	1.4	1.8	1.5	1.8
Water Year Types[b]												
Wet (31%)	1.7	3.3	6.0	5.5	7.1	6.8	4.5	2.4	1.9	2.1	1.7	2.8
Above Normal (25%)	1.3	1.3	2.1	6.6	6.7	5.6	2.6	1.7	1.3	2.1	1.7	1.8
Below Normal (6%)	1.5	1.5	1.4	2.7	3.2	2.9	1.7	1.4	1.4	1.5	1.5	1.4
Dry (13%)	1.3	1.6	1.6	1.8	2.0	2.7	1.6	1.5	1.3	1.9	1.6	1.3
Critical (25%)	1.3	1.3	1.4	1.9	1.5	1.7	1.3	1.1	1.1	1.6	1.4	1.3

Alternative 4 H4 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.0	2.9	6.0	5.9	7.1	6.4	4.4	2.2	2.0	2.3	2.1	2.6
20%	2.0	2.3	2.2	5.1	6.3	5.3	2.6	1.9	1.9	2.3	2.1	2.5
30%	1.9	1.8	2.1	3.5	3.7	4.1	2.4	1.9	1.8	2.2	2.1	2.0
40%	1.8	1.8	2.1	2.3	2.6	2.6	2.1	1.9	1.8	2.1	2.0	2.0
50%	1.8	1.7	1.8	2.2	2.3	2.4	1.8	1.7	1.7	2.0	2.0	2.0
60%	1.7	1.6	1.8	2.0	1.8	2.3	1.8	1.6	1.7	2.0	1.9	2.0
70%	1.7	1.5	1.7	1.8	1.7	1.9	1.7	1.6	1.7	1.9	1.9	1.9
80%	1.6	1.5	1.6	1.7	1.7	1.6	1.6	1.5	1.7	1.8	1.8	1.9
90%	1.6	1.4	1.5	1.5	1.5	1.6	1.5	1.3	1.6	1.7	1.8	1.8
Long Term												
Full Simulation Period[a]	1.8	2.0	2.7	3.0	3.4	3.4	2.5	1.8	1.8	2.0	1.9	2.1
Water Year Types[b]												
Wet (31%)	1.9	3.1	5.5	4.6	6.2	5.9	4.4	2.4	2.1	2.2	2.0	2.6
Above Normal (25%)	1.9	1.5	2.1	5.8	5.7	4.7	2.8	2.0	1.7	1.9	1.9	2.0
Below Normal (6%)	1.8	1.6	1.6	2.5	2.7	2.5	1.8	1.6	1.7	1.6	1.8	1.7
Dry (13%)	1.6	1.7	1.8	1.8	1.9	2.5	1.8	1.7	1.8	2.1	2.0	1.9
Critical (25%)	1.8	1.7	1.7	1.8	1.6	1.7	1.6	1.4	1.6	2.0	1.9	2.0

Alternative 4 H4 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.3	**-0.3**	**-0.8**	**-1.1**	**-1.0**	**-1.0**	**-0.7**	**-0.1**	0.4	0.1	0.3	**-0.4**
20%	0.4	**-0.1**	**-0.1**	**-1.0**	**-1.1**	**-1.1**	0.3	0.3	0.5	0.1	0.4	0.2
30%	0.5	0.0	0.0	**-0.6**	**-0.9**	**-0.7**	0.4	0.3	0.5	0.1	0.4	0.2
40%	0.4	0.2	0.2	**-0.4**	**-0.6**	**-0.8**	0.4	0.3	0.5	0.2	0.4	0.5
50%	0.4	0.3	0.1	**-0.3**	**-0.2**	**-0.6**	0.2	0.3	0.5	0.1	0.4	0.5
60%	0.4	0.3	0.2	**-0.1**	0.0	**-0.2**	0.3	0.3	0.5	0.1	0.4	0.5
70%	0.4	0.3	0.4	**-0.1**	0.1	**0.0**	0.2	0.3	0.5	0.2	0.4	0.6
80%	0.4	0.4	0.3	0.1	0.1	0.2	0.2	0.3	0.6	0.2	0.4	0.6
90%	0.4	0.4	0.4	0.2	0.2	0.2	0.3	0.3	0.5	0.3	0.5	0.6
Long Term												
Full Simulation Period[a]	0.4	0.1	0.0	**-0.4**	**-0.4**	**-0.4**	0.1	0.2	0.4	0.2	0.4	0.3
Water Year Types[b]												
Wet (31%)	0.2	**-0.2**	**-0.6**	**-0.9**	**-0.9**	**-0.9**	**-0.2**	**-0.1**	0.2	0.1	0.2	**-0.2**
Above Normal (25%)	0.7	0.2	0.1	**-0.9**	**-1.0**	**-0.9**	0.2	0.3	0.3	**-0.1**	0.2	0.2
Below Normal (6%)	0.3	0.1	0.2	**-0.1**	**-0.5**	**-0.5**	0.2	0.2	0.3	0.1	0.3	0.3
Dry (13%)	0.3	0.1	0.2	0.0	**-0.1**	**-0.2**	0.2	0.2	0.5	0.2	0.5	0.6
Critical (25%)	0.5	0.4	0.3	**-0.1**	0.1	0.1	0.2	0.3	0.5	0.4	0.6	0.6

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-31-2-21. Sacramento River d/s of Georgiana Slough, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.7	3.1	6.8	6.9	8.1	7.3	5.0	2.3	1.6	2.3	1.7	2.9
20%	1.5	2.4	2.2	6.1	7.4	6.4	2.3	1.7	1.4	2.2	1.7	2.3
30%	1.4	1.8	2.1	4.2	4.7	4.8	2.0	1.6	1.3	2.1	1.6	1.8
40%	1.4	1.5	1.9	2.7	3.2	3.4	1.7	1.5	1.3	1.9	1.6	1.5
50%	1.4	1.4	1.7	2.5	2.5	3.0	1.6	1.4	1.3	1.9	1.5	1.4
60%	1.3	1.3	1.6	2.1	1.7	2.5	1.5	1.3	1.2	1.8	1.5	1.4
70%	1.3	1.2	1.4	1.9	1.6	2.0	1.5	1.3	1.2	1.7	1.4	1.4
80%	1.3	1.1	1.3	1.6	1.6	1.5	1.4	1.2	1.1	1.5	1.4	1.3
90%	1.1	1.0	1.1	1.3	1.3	1.4	1.2	1.0	1.1	1.4	1.3	1.3
Long Term												
Full Simulation Period[a]	1.4	1.9	2.7	3.4	3.8	3.8	2.4	1.6	1.4	1.8	1.5	1.8
Water Year Types[b]												
Wet (31%)	1.7	3.3	6.0	5.5	7.1	6.8	4.5	2.4	1.9	2.1	1.7	2.8
Above Normal (25%)	1.3	1.3	2.1	6.6	6.7	5.6	2.6	1.7	1.3	2.1	1.7	1.8
Below Normal (6%)	1.5	1.5	1.4	2.7	3.2	2.9	1.7	1.4	1.4	1.5	1.5	1.4
Dry (13%)	1.3	1.6	1.6	1.8	2.0	2.7	1.6	1.5	1.3	1.9	1.6	1.3
Critical (25%)	1.3	1.3	1.4	1.9	1.5	1.7	1.3	1.1	1.1	1.6	1.4	1.3

Alternative 5 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.1	3.2	6.5	6.3	7.7	6.9	4.7	2.3	2.1	2.5	2.2	2.8
20%	2.0	2.4	2.3	5.6	6.8	5.8	2.3	1.9	1.9	2.4	2.1	2.6
30%	1.9	1.9	2.2	3.8	4.2	4.2	2.0	1.8	1.9	2.3	2.1	2.1
40%	1.9	1.8	2.2	2.5	2.9	2.9	1.8	1.6	1.9	2.3	2.0	2.0
50%	1.8	1.7	2.0	2.4	2.4	2.8	1.8	1.6	1.8	2.2	2.0	2.0
60%	1.7	1.7	1.9	2.2	1.9	2.3	1.7	1.5	1.8	2.1	2.0	1.9
70%	1.7	1.7	1.7	2.0	1.8	2.0	1.6	1.5	1.7	2.1	1.9	1.9
80%	1.7	1.5	1.7	1.8	1.8	1.7	1.6	1.5	1.7	2.0	1.9	1.9
90%	1.7	1.5	1.5	1.6	1.5	1.6	1.5	1.3	1.6	1.8	1.8	1.8
Long Term												
Full Simulation Period[a]	1.9	2.1	2.9	3.3	3.7	3.6	2.5	1.8	1.9	2.2	2.0	2.1
Water Year Types[b]												
Wet (31%)	2.0	3.4	5.8	5.0	6.7	6.4	4.4	2.5	2.4	2.4	2.2	2.8
Above Normal (25%)	1.8	1.6	2.2	6.1	6.2	5.1	2.4	1.7	1.8	2.3	2.0	2.1
Below Normal (6%)	1.8	1.7	1.7	2.6	2.9	2.7	1.8	1.6	1.9	2.0	1.8	1.8
Dry (13%)	1.7	1.8	1.9	1.9	2.0	2.6	1.8	1.7	1.8	2.2	2.0	1.8
Critical (25%)	1.9	1.7	1.7	2.0	1.7	1.8	1.6	1.4	1.6	2.0	1.9	1.9

Alternative 5 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.4	0.1	**-0.4**	**-0.6**	**-0.4**	**-0.4**	**-0.4**	0.0	0.6	0.3	0.5	**-0.2**
20%	0.5	0.0	0.0	**-0.5**	**-0.5**	**-0.6**	**-0.1**	0.2	0.5	0.1	0.5	0.3
30%	0.5	0.1	0.1	**-0.3**	**-0.5**	**-0.6**	0.0	0.2	0.6	0.2	0.4	0.3
40%	0.5	0.2	0.3	**-0.2**	**-0.3**	**-0.5**	0.1	0.1	0.6	0.4	0.4	0.5
50%	0.4	0.3	0.3	**0.0**	**-0.1**	**-0.3**	0.2	0.2	0.6	0.4	0.5	0.5
60%	0.4	0.5	0.3	0.1	0.1	**-0.1**	0.3	0.3	0.6	0.2	0.4	0.5
70%	0.4	0.5	0.4	0.1	0.2	0.0	0.2	0.2	0.5	0.4	0.4	0.5
80%	0.5	0.4	0.4	0.2	0.2	0.2	0.2	0.3	0.6	0.5	0.5	0.6
90%	0.5	0.5	0.4	0.3	0.2	0.3	0.3	0.3	0.5	0.4	0.5	0.5
Long Term												
Full Simulation Period[a]	0.4	0.3	0.2	**-0.1**	**-0.1**	**-0.2**	0.1	0.2	0.5	0.3	0.5	0.4
Water Year Types[b]												
Wet (31%)	0.3	0.1	**-0.2**	**-0.5**	**-0.5**	**-0.4**	**-0.1**	0.0	0.4	0.3	0.4	**0.0**
Above Normal (25%)	0.5	0.3	0.2	**-0.5**	**-0.5**	**-0.6**	**-0.2**	0.1	0.5	0.2	0.3	0.3
Below Normal (6%)	0.3	0.2	0.4	**0.0**	**-0.3**	**-0.2**	0.1	0.2	0.5	0.5	0.3	0.4
Dry (13%)	0.4	0.2	0.3	0.1	0.1	**-0.1**	0.2	0.2	0.6	0.3	0.5	0.5
Critical (25%)	0.6	0.4	0.4	0.1	0.2	0.1	0.2	0.3	0.5	0.4	0.5	0.6

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-31-2-22. Sacramento River d/s of Georgiana Slough, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.7	3.1	6.8	6.9	8.1	7.3	5.0	2.3	1.6	2.3	1.7	2.9
20%	1.5	2.4	2.2	6.1	7.4	6.4	2.3	1.7	1.4	2.2	1.7	2.3
30%	1.4	1.8	2.1	4.2	4.7	4.8	2.0	1.6	1.3	2.1	1.6	1.8
40%	1.4	1.5	1.9	2.7	3.2	3.4	1.7	1.5	1.3	1.9	1.6	1.5
50%	1.4	1.4	1.7	2.5	2.5	3.0	1.6	1.4	1.3	1.9	1.5	1.4
60%	1.3	1.3	1.6	2.1	1.7	2.5	1.5	1.3	1.2	1.8	1.5	1.4
70%	1.3	1.2	1.4	1.9	1.6	2.0	1.5	1.3	1.2	1.7	1.4	1.4
80%	1.3	1.1	1.3	1.6	1.6	1.5	1.4	1.2	1.1	1.5	1.4	1.3
90%	1.1	1.0	1.1	1.3	1.3	1.4	1.2	1.0	1.1	1.4	1.3	1.3
Long Term												
Full Simulation Period[a]	1.4	1.9	2.7	3.4	3.8	3.8	2.4	1.6	1.4	1.8	1.5	1.8
Water Year Types[b]												
Wet (31%)	1.7	3.3	6.0	5.5	7.1	6.8	4.5	2.4	1.9	2.1	1.7	2.8
Above Normal (25%)	1.3	1.3	2.1	6.6	6.7	5.6	2.6	1.7	1.3	2.1	1.7	1.8
Below Normal (6%)	1.5	1.5	1.4	2.7	3.2	2.9	1.7	1.4	1.4	1.5	1.5	1.4
Dry (13%)	1.3	1.6	1.6	1.8	2.0	2.7	1.6	1.5	1.3	1.9	1.6	1.3
Critical (25%)	1.3	1.3	1.4	1.9	1.5	1.7	1.3	1.1	1.1	1.6	1.4	1.3

Alternative 6A,6B,6C (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.7	2.9	5.9	5.3	6.7	6.0	3.9	2.0	1.9	2.0	1.9	2.2
20%	1.7	2.3	2.2	4.8	6.0	5.0	2.3	1.8	1.8	1.7	1.8	2.1
30%	1.6	1.7	2.1	3.5	3.6	3.6	1.9	1.8	1.8	1.7	1.8	1.8
40%	1.6	1.6	1.9	2.3	2.6	2.6	1.9	1.7	1.8	1.6	1.7	1.7
50%	1.5	1.5	1.8	2.2	2.2	2.5	1.8	1.6	1.7	1.6	1.7	1.7
60%	1.5	1.5	1.8	1.9	2.1	2.3	1.7	1.5	1.7	1.6	1.6	1.7
70%	1.4	1.5	1.7	1.7	1.7	1.9	1.6	1.5	1.7	1.6	1.6	1.6
80%	1.4	1.4	1.5	1.6	1.7	1.6	1.6	1.5	1.6	1.5	1.6	1.5
90%	1.4	1.3	1.4	1.4	1.5	1.5	1.5	1.3	1.6	1.5	1.6	1.5
Long Term												
Full Simulation Period[a]	1.5	1.9	2.6	2.9	3.3	3.2	2.3	1.7	1.8	1.7	1.7	1.8
Water Year Types[b]												
Wet (31%)	1.6	2.9	5.3	4.4	6.0	5.7	3.9	2.2	2.0	1.9	1.8	2.2
Above Normal (25%)	1.5	1.4	2.0	5.3	5.3	4.4	2.1	1.8	1.7	1.6	1.7	1.6
Below Normal (6%)	1.6	1.5	1.5	2.4	2.6	2.4	1.9	1.6	1.8	1.5	1.5	1.5
Dry (13%)	1.5	1.6	1.8	1.7	1.8	2.4	1.8	1.7	1.8	1.6	1.6	1.6
Critical (25%)	1.6	1.6	1.7	1.7	1.7	1.7	1.5	1.4	1.6	1.6	1.8	1.7

Alternative 6A,6B,6C (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.1	**-0.2**	**-1.0**	**-1.6**	**-1.4**	**-1.3**	**-1.2**	**-0.3**	0.3	**-0.3**	0.1	**-0.7**
20%	0.1	**-0.1**	**0.0**	**-1.4**	**-1.3**	**-1.4**	**0.0**	0.1	0.4	**-0.5**	0.1	**-0.2**
30%	0.2	**0.0**	**0.0**	**-0.7**	**-1.1**	**-1.2**	**-0.1**	0.2	0.5	**-0.4**	0.2	0.0
40%	0.2	0.1	0.0	**-0.3**	**-0.6**	**-0.8**	0.2	0.2	0.5	**-0.3**	0.1	0.3
50%	0.2	0.1	0.1	**-0.3**	**-0.3**	**-0.6**	0.2	0.2	0.5	**-0.3**	0.2	0.3
60%	0.1	0.2	0.2	**-0.2**	0.4	**-0.2**	0.2	0.2	0.5	**-0.2**	0.1	0.3
70%	0.1	0.3	0.3	**-0.1**	0.1	**0.0**	0.2	0.2	0.5	**-0.1**	0.2	0.3
80%	0.2	0.3	0.2	0.0	0.1	0.2	0.2	0.3	0.5	0.0	0.2	0.2
90%	0.3	0.3	0.3	0.1	0.2	0.1	0.3	0.3	0.5	0.1	0.2	0.3
Long Term												
Full Simulation Period[a]	0.1	0.0	**-0.1**	**-0.5**	**-0.5**	**-0.6**	**-0.1**	0.1	0.4	**-0.2**	0.2	0.0
Water Year Types[b]												
Wet (31%)	**0.0**	**-0.4**	**-0.7**	**-1.1**	**-1.2**	**-1.2**	**-0.7**	**-0.3**	0.1	**-0.1**	0.1	**-0.6**
Above Normal (25%)	0.2	0.1	**0.0**	**-1.3**	**-1.4**	**-1.3**	**-0.5**	0.1	0.4	**-0.4**	**0.0**	**-0.2**
Below Normal (6%)	0.0	**-0.1**	0.1	**-0.2**	**-0.6**	**-0.5**	0.2	0.2	0.4	**-0.1**	0.1	0.1
Dry (13%)	0.1	0.1	0.2	**0.0**	**-0.1**	**-0.3**	0.2	0.2	0.5	**-0.4**	0.1	0.3
Critical (25%)	0.2	0.3	0.3	**-0.1**	0.2	0.0	0.2	0.3	0.5	0.1	0.4	0.4

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-31-2-23. Sacramento River d/s of Georgiana Slough, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.7	3.1	6.8	6.9	8.1	7.3	5.0	2.3	1.6	2.3	1.7	2.9
20%	1.5	2.4	2.2	6.1	7.4	6.4	2.3	1.7	1.4	2.2	1.7	2.3
30%	1.4	1.8	2.1	4.2	4.7	4.8	2.0	1.6	1.3	2.1	1.6	1.8
40%	1.4	1.5	1.9	2.7	3.2	3.4	1.7	1.5	1.3	1.9	1.6	1.5
50%	1.4	1.4	1.7	2.5	2.5	3.0	1.6	1.4	1.3	1.9	1.5	1.4
60%	1.3	1.3	1.6	2.1	1.7	2.5	1.5	1.3	1.2	1.8	1.5	1.4
70%	1.3	1.2	1.4	1.9	1.6	2.0	1.5	1.3	1.2	1.7	1.4	1.4
80%	1.3	1.1	1.3	1.6	1.6	1.5	1.4	1.2	1.1	1.5	1.4	1.3
90%	1.1	1.0	1.1	1.3	1.3	1.4	1.2	1.0	1.1	1.4	1.3	1.3
Long Term												
Full Simulation Period[a]	1.4	1.9	2.7	3.4	3.8	3.8	2.4	1.6	1.4	1.8	1.5	1.8
Water Year Types[b]												
Wet (31%)	1.7	3.3	6.0	5.5	7.1	6.8	4.5	2.4	1.9	2.1	1.7	2.8
Above Normal (25%)	1.3	1.3	2.1	6.6	6.7	5.6	2.6	1.7	1.3	2.1	1.7	1.8
Below Normal (6%)	1.5	1.5	1.4	2.7	3.2	2.9	1.7	1.4	1.4	1.5	1.5	1.4
Dry (13%)	1.3	1.6	1.6	1.8	2.0	2.7	1.6	1.5	1.3	1.9	1.6	1.3
Critical (25%)	1.3	1.3	1.4	1.9	1.5	1.7	1.3	1.1	1.1	1.6	1.4	1.3

Alternative 7 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.9	3.0	6.2	5.7	7.1	6.4	4.2	2.1	1.9	2.5	2.2	2.6
20%	1.7	2.3	2.2	5.2	6.2	5.2	2.3	1.8	1.8	2.4	2.1	2.5
30%	1.7	1.8	2.2	3.5	3.7	3.7	1.9	1.7	1.8	2.3	2.1	2.0
40%	1.6	1.6	2.0	2.3	2.6	2.6	1.8	1.7	1.8	2.2	2.1	1.9
50%	1.6	1.6	1.9	2.3	2.3	2.5	1.8	1.6	1.8	2.2	2.0	1.9
60%	1.6	1.6	1.8	2.0	2.2	2.3	1.7	1.5	1.8	2.1	2.0	1.9
70%	1.6	1.5	1.7	1.8	1.8	2.0	1.6	1.5	1.7	2.0	2.0	1.9
80%	1.5	1.5	1.5	1.6	1.7	1.7	1.6	1.4	1.7	1.9	1.9	1.9
90%	1.5	1.4	1.4	1.5	1.5	1.5	1.5	1.4	1.6	1.9	1.9	1.8
Long Term												
Full Simulation Period[a]	1.6	2.0	2.7	3.0	3.4	3.3	2.3	1.8	1.8	2.2	2.0	2.1
Water Year Types[b]												
Wet (31%)	1.8	3.1	5.6	4.5	6.2	5.8	4.1	2.3	2.1	2.4	2.2	2.6
Above Normal (25%)	1.6	1.5	2.1	5.7	5.6	4.5	2.2	1.7	1.7	2.2	1.9	1.9
Below Normal (6%)	1.6	1.6	1.5	2.5	2.7	2.6	1.9	1.6	1.8	2.0	2.0	1.9
Dry (13%)	1.6	1.7	1.8	1.8	1.9	2.5	1.8	1.7	1.8	2.3	2.1	1.8
Critical (25%)	1.7	1.6	1.7	1.8	1.7	1.7	1.5	1.4	1.7	1.9	2.0	1.9

Alternative 7 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.2	**-0.1**	**-0.6**	**-1.2**	**-1.0**	**-1.0**	**-0.8**	**-0.2**	0.4	0.2	0.5	**-0.4**
20%	0.2	**-0.1**	**0.0**	**-1.0**	**-1.1**	**-1.2**	**-0.1**	0.1	0.5	0.2	0.4	0.2
30%	0.2	0.0	0.0	**-0.7**	**-1.0**	**-1.1**	**0.0**	0.1	0.5	0.2	0.4	0.2
40%	0.2	0.1	0.1	**-0.3**	**-0.6**	**-0.8**	0.1	0.2	0.5	0.3	0.4	0.5
50%	0.3	0.2	0.2	**-0.2**	**-0.2**	**-0.6**	0.2	0.2	0.5	0.3	0.5	0.5
60%	0.3	0.3	0.3	**-0.1**	0.4	**-0.2**	0.2	0.2	0.5	0.2	0.5	0.5
70%	0.3	0.3	0.3	**-0.1**	0.2	0.1	0.2	0.3	0.5	0.4	0.5	0.5
80%	0.3	0.3	0.2	0.1	0.2	0.2	0.2	0.2	0.6	0.4	0.5	0.5
90%	0.4	0.4	0.3	0.1	0.2	0.2	0.3	0.3	0.5	0.5	0.6	0.5
Long Term												
Full Simulation Period[a]	0.2	0.1	0.0	**-0.4**	**-0.3**	**-0.5**	**0.0**	0.1	0.4	0.3	0.5	0.3
Water Year Types[b]												
Wet (31%)	0.1	**-0.2**	**-0.5**	**-0.9**	**-1.0**	**-1.0**	**-0.5**	**-0.2**	0.2	0.3	0.4	**-0.2**
Above Normal (25%)	0.3	0.2	0.0	**-0.9**	**-1.1**	**-1.2**	**-0.4**	0.1	0.4	0.1	0.3	0.1
Below Normal (6%)	0.1	0.1	0.2	**-0.1**	**-0.6**	**-0.3**	0.2	0.2	0.4	0.5	0.5	0.5
Dry (13%)	0.2	0.1	0.2	0.0	**0.0**	**-0.2**	0.2	0.2	0.5	0.4	0.5	0.5
Critical (25%)	0.3	0.3	0.3	**-0.1**	0.2	0.0	0.2	0.3	0.6	0.3	0.6	0.6

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-31-2-24. Sacramento River d/s of Georgiana Slough, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.7	3.1	6.8	6.9	8.1	7.3	5.0	2.3	1.6	2.3	1.7	2.9
20%	1.5	2.4	2.2	6.1	7.4	6.4	2.3	1.7	1.4	2.2	1.7	2.3
30%	1.4	1.8	2.1	4.2	4.7	4.8	2.0	1.6	1.3	2.1	1.6	1.8
40%	1.4	1.5	1.9	2.7	3.2	3.4	1.7	1.5	1.3	1.9	1.6	1.5
50%	1.4	1.4	1.7	2.5	2.5	3.0	1.6	1.4	1.3	1.9	1.5	1.4
60%	1.3	1.3	1.6	2.1	1.7	2.5	1.5	1.3	1.2	1.8	1.5	1.4
70%	1.3	1.2	1.4	1.9	1.6	2.0	1.5	1.3	1.2	1.7	1.4	1.4
80%	1.3	1.1	1.3	1.6	1.6	1.5	1.4	1.2	1.1	1.5	1.4	1.3
90%	1.1	1.0	1.1	1.3	1.3	1.4	1.2	1.0	1.1	1.4	1.3	1.3
Long Term												
Full Simulation Period[a]	1.4	1.9	2.7	3.4	3.8	3.8	2.4	1.6	1.4	1.8	1.5	1.8
Water Year Types[b]												
Wet (31%)	1.7	3.3	6.0	5.5	7.1	6.8	4.5	2.4	1.9	2.1	1.7	2.8
Above Normal (25%)	1.3	1.3	2.1	6.6	6.7	5.6	2.6	1.7	1.3	2.1	1.7	1.8
Below Normal (6%)	1.5	1.5	1.4	2.7	3.2	2.9	1.7	1.4	1.4	1.5	1.5	1.4
Dry (13%)	1.3	1.6	1.6	1.8	2.0	2.7	1.6	1.5	1.3	1.9	1.6	1.3
Critical (25%)	1.3	1.3	1.4	1.9	1.5	1.7	1.3	1.1	1.1	1.6	1.4	1.3

Alternative 8 (LLT)

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.9	3.2	6.2	5.7	7.0	6.4	4.4	2.4	1.9	2.2	2.1	2.6
20%	1.8	2.4	2.2	5.1	6.2	5.2	2.6	1.9	1.8	2.0	2.1	2.5
30%	1.8	1.8	2.1	3.6	4.0	4.1	2.1	1.8	1.8	2.0	2.1	2.1
40%	1.7	1.7	2.0	2.6	2.7	2.8	2.0	1.7	1.8	2.0	2.0	1.9
50%	1.7	1.7	1.9	2.4	2.5	2.7	1.9	1.7	1.8	1.9	2.0	1.9
60%	1.7	1.6	1.8	2.1	2.3	2.4	1.8	1.7	1.8	1.9	2.0	1.9
70%	1.6	1.5	1.7	1.8	1.9	2.1	1.8	1.6	1.7	1.9	1.9	1.9
80%	1.6	1.5	1.5	1.6	1.8	1.9	1.7	1.5	1.7	1.9	1.9	1.8
90%	1.6	1.4	1.5	1.5	1.5	1.8	1.7	1.5	1.6	1.8	1.9	1.8
Long Term												
Full Simulation Period[a]	1.7	2.0	2.7	3.1	3.5	3.5	2.5	1.9	1.8	2.0	2.0	2.1
Water Year Types[b]												
Wet (31%)	1.8	3.2	5.6	4.7	6.1	5.8	4.2	2.5	2.2	2.2	2.1	2.6
Above Normal (25%)	1.6	1.5	2.1	5.8	5.7	4.6	2.4	1.8	1.7	1.9	2.0	2.0
Below Normal (6%)	1.7	1.6	1.5	2.7	3.2	2.7	2.0	1.8	1.8	1.8	1.9	1.8
Dry (13%)	1.6	1.7	1.8	1.9	2.1	2.8	2.1	1.7	1.8	1.9	2.0	1.8
Critical (25%)	1.7	1.7	1.7	1.8	1.8	1.9	1.6	1.5	1.7	1.9	2.0	1.9

Alternative 8 (LLT) minus No Action Alternative (LLT)

Statistic	Monthly Averaged Daily Minimum Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.2	0.1	**-0.6**	**-1.2**	**-1.0**	**-1.0**	**-0.6**	0.1	0.3	**0.0**	0.4	**-0.4**
20%	0.3	**0.0**	0.0	**-1.0**	**-1.1**	**-1.2**	0.2	0.2	0.4	**-0.2**	0.4	0.2
30%	0.3	0.0	0.0	**-0.6**	**-0.6**	**-0.7**	0.1	0.2	0.5	**-0.1**	0.4	0.3
40%	0.3	0.2	0.1	**0.0**	**-0.6**	**-0.6**	0.3	0.2	0.5	0.1	0.4	0.4
50%	0.3	0.3	0.1	**-0.1**	**0.0**	**-0.4**	0.4	0.3	0.5	0.1	0.5	0.5
60%	0.3	0.3	0.3	0.0	0.5	**0.0**	0.3	0.4	0.5	0.1	0.4	0.5
70%	0.3	0.3	0.3	**-0.1**	0.3	0.1	0.3	0.3	0.6	0.2	0.5	0.5
80%	0.3	0.4	0.2	0.1	0.2	0.4	0.3	0.3	0.6	0.3	0.5	0.5
90%	0.4	0.4	0.3	0.2	0.2	0.4	0.4	0.4	0.5	0.4	0.5	0.5
Long Term												
Full Simulation Period[a]	0.3	0.2	0.0	**-0.3**	**-0.3**	**-0.3**	0.1	0.3	0.5	0.1	0.5	0.3
Water Year Types[b]												
Wet (31%)	0.1	**0.0**	**-0.5**	**-0.8**	**-1.0**	**-1.0**	**-0.4**	0.1	0.3	0.1	0.4	**-0.2**
Above Normal (25%)	0.4	0.2	0.0	**-0.8**	**-1.0**	**-1.1**	**-0.2**	0.2	0.4	**-0.1**	0.4	0.2
Below Normal (6%)	0.2	0.0	0.2	0.0	**0.0**	**-0.3**	0.3	0.4	0.4	0.3	0.4	0.4
Dry (13%)	0.3	0.1	0.2	0.1	0.1	0.0	0.5	0.2	0.5	0.0	0.4	0.5
Critical (25%)	0.4	0.4	0.3	**0.0**	0.3	0.2	0.3	0.4	0.6	0.3	0.6	0.6

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-31-2-25. Sacramento River d/s of Georgiana Slough, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1.7	3.1	6.8	6.9	8.1	7.3	5.0	2.3	1.6	2.3	1.7	2.9
20%	1.5	2.4	2.2	6.1	7.4	6.4	2.3	1.7	1.4	2.2	1.7	2.3
30%	1.4	1.8	2.1	4.2	4.7	4.8	2.0	1.6	1.3	2.1	1.6	1.8
40%	1.4	1.5	1.9	2.7	3.2	3.4	1.7	1.5	1.3	1.9	1.6	1.5
50%	1.4	1.4	1.7	2.5	2.5	3.0	1.6	1.4	1.3	1.9	1.5	1.4
60%	1.3	1.3	1.6	2.1	1.7	2.5	1.5	1.3	1.2	1.8	1.5	1.4
70%	1.3	1.2	1.4	1.9	1.6	2.0	1.5	1.3	1.2	1.7	1.4	1.4
80%	1.3	1.1	1.3	1.6	1.6	1.5	1.4	1.2	1.1	1.5	1.4	1.3
90%	1.1	1.0	1.1	1.3	1.3	1.4	1.2	1.0	1.1	1.4	1.3	1.3
Long Term												
Full Simulation Period[a]	1.4	1.9	2.7	3.4	3.8	3.8	2.4	1.6	1.4	1.8	1.5	1.8
Water Year Types[b]												
Wet (31%)	1.7	3.3	6.0	5.5	7.1	6.8	4.5	2.4	1.9	2.1	1.7	2.8
Above Normal (25%)	1.3	1.3	2.1	6.6	6.7	5.6	2.6	1.7	1.3	2.1	1.7	1.8
Below Normal (6%)	1.5	1.5	1.4	2.7	3.2	2.9	1.7	1.4	1.4	1.5	1.5	1.4
Dry (13%)	1.3	1.6	1.6	1.8	2.0	2.7	1.6	1.5	1.3	1.9	1.6	1.3
Critical (25%)	1.3	1.3	1.4	1.9	1.5	1.7	1.3	1.1	1.1	1.6	1.4	1.3

Alternative 9 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2.0	3.4	7.0	6.9	8.4	7.6	5.0	2.5	2.1	2.4	2.2	3.3
20%	1.9	2.6	2.2	6.1	7.5	6.3	2.3	2.1	1.9	2.4	2.2	2.8
30%	1.9	2.1	2.2	4.0	4.5	4.5	2.1	1.9	1.9	2.3	2.1	2.3
40%	1.9	1.8	2.1	2.6	3.2	3.0	1.9	1.9	1.9	2.3	2.1	2.0
50%	1.8	1.8	2.0	2.5	2.4	2.9	1.8	1.8	1.8	2.2	2.1	1.9
60%	1.7	1.7	2.0	2.1	2.0	2.4	1.8	1.8	1.8	2.1	2.0	1.9
70%	1.7	1.6	1.9	1.9	1.9	2.0	1.8	1.7	1.8	2.1	2.0	1.9
80%	1.7	1.5	1.7	1.8	1.8	1.7	1.7	1.7	1.8	2.0	1.9	1.8
90%	1.6	1.5	1.6	1.7	1.7	1.7	1.6	1.5	1.7	1.9	1.8	1.8
Long Term												
Full Simulation Period[a]	1.8	2.2	3.0	3.5	4.0	3.9	2.6	2.0	1.9	2.2	2.1	2.2
Water Year Types[b]												
Wet (31%)	2.1	3.6	6.3	5.4	7.3	7.0	4.7	2.7	2.4	2.4	2.2	3.2
Above Normal (25%)	1.7	1.7	2.2	6.8	6.8	5.5	2.6	2.0	1.8	2.3	2.1	2.3
Below Normal (6%)	1.9	1.9	1.7	2.6	3.2	2.9	1.9	1.8	1.9	2.0	1.9	1.9
Dry (13%)	1.8	1.8	1.9	1.9	2.1	2.7	1.9	1.9	1.8	2.2	2.1	1.8
Critical (25%)	1.7	1.7	1.9	2.0	1.8	1.9	1.7	1.6	1.7	2.0	1.9	1.8

Alternative 9 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.4	0.2	0.2	**0.0**	0.3	0.3	**-0.1**	0.2	0.6	0.2	0.5	0.3
20%	0.4	0.2	0.0	0.0	0.2	**0.0**	**0.0**	0.4	0.5	0.1	0.5	0.5
30%	0.5	0.3	0.1	**-0.1**	**-0.2**	**-0.3**	0.1	0.3	0.5	0.2	0.5	0.5
40%	0.5	0.3	0.2	**-0.1**	0.0	**-0.4**	0.3	0.4	0.6	0.4	0.5	0.5
50%	0.4	0.3	0.3	0.0	**0.0**	**-0.1**	0.3	0.4	0.6	0.4	0.5	0.5
60%	0.4	0.4	0.4	0.0	0.2	**-0.1**	0.3	0.5	0.6	0.3	0.5	0.5
70%	0.4	0.4	0.6	0.0	0.3	0.1	0.3	0.4	0.6	0.4	0.6	0.5
80%	0.4	0.4	0.4	0.2	0.2	0.3	0.3	0.5	0.7	0.4	0.5	0.5
90%	0.5	0.5	0.5	0.3	0.4	0.4	0.3	0.5	0.6	0.5	0.5	0.5
Long Term												
Full Simulation Period[a]	0.4	0.3	0.3	0.1	0.2	0.1	0.2	0.4	0.6	0.4	0.5	0.5
Water Year Types[b]												
Wet (31%)	0.4	0.3	0.3	**0.0**	0.2	0.2	0.2	0.3	0.5	0.3	0.5	0.3
Above Normal (25%)	0.4	0.4	0.1	0.1	0.1	**-0.2**	**0.0**	0.3	0.5	0.3	0.5	0.5
Below Normal (6%)	0.4	0.4	0.4	**0.0**	0.0	**0.0**	0.3	0.4	0.5	0.5	0.5	0.5
Dry (13%)	0.4	0.3	0.3	0.2	0.1	**0.0**	0.3	0.4	0.6	0.3	0.5	0.5
Critical (25%)	0.4	0.4	0.5	0.1	0.3	0.2	0.3	0.5	0.7	0.5	0.5	0.5

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

C.32. Sacramento River at Rio Vista

Table C-32-1-1. Sacramento River at Rio Vista, Monthly Averaged Daily Maximum Elevation

Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	3.4	3.8	4.1	4.1	4.5	4.0	3.7	3.6	3.7	3.9	3.8	3.7
20%	3.2	3.5	3.7	3.9	4.1	3.8	3.2	3.3	3.6	3.8	3.7	3.5
30%	3.2	3.3	3.5	3.7	3.6	3.4	3.2	3.3	3.5	3.7	3.6	3.5
40%	3.2	3.3	3.5	3.5	3.5	3.4	3.1	3.3	3.5	3.7	3.6	3.4
50%	3.1	3.2	3.5	3.5	3.3	3.3	3.0	3.2	3.5	3.7	3.6	3.4
60%	3.1	3.2	3.3	3.4	3.3	3.2	3.0	3.2	3.4	3.6	3.5	3.4
70%	3.1	3.2	3.3	3.4	3.2	3.1	2.9	3.2	3.4	3.6	3.4	3.3
80%	3.0	3.1	3.3	3.2	3.1	2.9	2.9	3.1	3.3	3.6	3.4	3.2
90%	3.0	3.0	3.1	3.2	3.0	2.8	2.8	3.0	3.3	3.5	3.4	3.2
Long Term												
Full Simulation Period[a]	3.2	3.3	3.5	3.6	3.6	3.3	3.1	3.3	3.5	3.7	3.6	3.4
Water Year Types[b]												
Wet (31%)	3.3	3.7	4.0	4.0	4.2	4.0	3.4	3.5	3.8	3.9	3.7	3.8
Above Normal (25%)	3.0	3.1	3.4	4.1	4.2	3.6	3.2	3.3	3.3	3.5	3.5	3.2
Below Normal (6%)	3.1	3.2	3.1	3.6	3.5	3.3	2.9	3.1	3.2	3.4	3.3	3.2
Dry (13%)	3.1	3.2	3.4	3.3	3.2	3.2	3.0	3.3	3.5	3.7	3.6	3.3
Critical (25%)	3.2	3.2	3.4	3.3	3.1	2.9	2.9	3.1	3.4	3.6	3.5	3.4

No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	4.8	5.3	5.6	5.6	6.0	5.4	5.1	5.0	5.1	5.4	5.3	5.3
20%	4.7	4.9	5.2	5.4	5.7	5.3	4.7	4.8	5.1	5.3	5.1	5.0
30%	4.7	4.9	5.0	5.2	5.1	4.9	4.7	4.8	5.0	5.3	5.1	5.0
40%	4.7	4.8	4.9	5.0	4.9	4.8	4.6	4.7	5.0	5.2	5.1	4.9
50%	4.6	4.7	4.9	5.0	4.8	4.7	4.5	4.7	5.0	5.2	5.1	4.9
60%	4.6	4.7	4.8	4.9	4.8	4.7	4.4	4.7	4.9	5.2	5.0	4.9
70%	4.6	4.7	4.8	4.8	4.7	4.6	4.4	4.7	4.9	5.1	4.9	4.8
80%	4.6	4.7	4.8	4.8	4.6	4.4	4.4	4.6	4.9	5.1	4.9	4.7
90%	4.5	4.5	4.6	4.7	4.5	4.3	4.3	4.5	4.8	5.0	4.9	4.7
Long Term												
Full Simulation Period[a]	4.7	4.8	5.0	5.1	5.0	4.8	4.6	4.8	5.0	5.2	5.1	4.9
Water Year Types[b]												
Wet (31%)	4.8	5.2	5.5	5.5	5.7	5.4	4.9	5.0	5.2	5.4	5.2	5.3
Above Normal (25%)	4.5	4.6	4.9	5.6	5.7	5.1	4.7	4.7	4.8	5.1	5.0	4.8
Below Normal (6%)	4.6	4.7	4.6	5.1	4.9	4.7	4.4	4.6	4.7	4.9	4.8	4.7
Dry (13%)	4.6	4.7	4.9	4.8	4.7	4.6	4.5	4.8	5.0	5.2	5.1	4.8
Critical (25%)	4.7	4.7	4.9	4.8	4.6	4.4	4.4	4.7	4.9	5.2	5.0	4.9

No Action Alternative (LLT) minus Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.6
20%	1.5	1.4	1.5	1.5	1.6	1.5	1.5	1.5	1.5	1.5	1.5	1.5
30%	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
40%	1.5	1.5	1.5	1.5	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.5
50%	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
60%	1.5	1.5	1.5	1.5	1.5	1.4	1.5	1.5	1.5	1.6	1.5	1.5
70%	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
80%	1.5	1.5	1.5	1.6	1.5	1.5	1.5	1.4	1.5	1.5	1.5	1.5
90%	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Long Term												
Full Simulation Period[a]	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Water Year Types[b]												
Wet (31%)	1.5	1.4	1.5	1.5	1.5	1.5	1.5	1.4	1.4	1.5	1.5	1.6
Above Normal (25%)	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Below Normal (6%)	1.5	1.5	1.5	1.5	1.4	1.5	1.5	1.4	1.5	1.5	1.5	1.5
Dry (13%)	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Critical (25%)	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

Table C-32-1-2. Sacramento River at Rio Vista, Monthly Averaged Daily Maximum Elevation

Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	3.4	3.8	4.1	4.1	4.5	4.0	3.7	3.6	3.7	3.9	3.8	3.7
20%	3.2	3.5	3.7	3.9	4.1	3.8	3.2	3.3	3.6	3.8	3.7	3.5
30%	3.2	3.3	3.5	3.7	3.6	3.4	3.2	3.3	3.5	3.7	3.6	3.5
40%	3.2	3.3	3.5	3.5	3.5	3.4	3.1	3.3	3.5	3.7	3.6	3.4
50%	3.1	3.2	3.5	3.5	3.3	3.3	3.0	3.2	3.5	3.7	3.6	3.4
60%	3.1	3.2	3.3	3.4	3.3	3.2	3.0	3.2	3.4	3.6	3.5	3.4
70%	3.1	3.2	3.3	3.4	3.2	3.1	2.9	3.2	3.4	3.6	3.4	3.3
80%	3.0	3.1	3.3	3.2	3.1	2.9	2.9	3.1	3.3	3.6	3.4	3.2
90%	3.0	3.0	3.1	3.2	3.0	2.8	2.8	3.0	3.3	3.5	3.4	3.2
Long Term												
Full Simulation Period[a]	3.2	3.3	3.5	3.6	3.6	3.3	3.1	3.3	3.5	3.7	3.6	3.4
Water Year Types[b]												
Wet (31%)	3.3	3.7	4.0	4.0	4.2	4.0	3.4	3.5	3.8	3.9	3.7	3.8
Above Normal (25%)	3.0	3.1	3.4	4.1	4.2	3.6	3.2	3.3	3.3	3.5	3.5	3.2
Below Normal (6%)	3.1	3.2	3.1	3.6	3.5	3.3	2.9	3.1	3.2	3.4	3.3	3.2
Dry (13%)	3.1	3.2	3.4	3.3	3.2	3.2	3.0	3.3	3.5	3.7	3.6	3.3
Critical (25%)	3.2	3.2	3.4	3.3	3.1	2.9	2.9	3.1	3.4	3.6	3.5	3.4

Alternative 1A,1B,1C (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	4.3	4.6	4.9	5.0	5.4	4.9	4.5	4.4	4.5	4.7	4.6	4.6
20%	4.2	4.3	4.5	4.8	5.0	4.7	4.1	4.2	4.4	4.6	4.5	4.4
30%	4.1	4.2	4.4	4.6	4.5	4.2	4.1	4.2	4.4	4.6	4.5	4.3
40%	4.1	4.2	4.3	4.4	4.3	4.2	4.0	4.1	4.3	4.6	4.5	4.3
50%	4.1	4.2	4.3	4.4	4.2	4.1	3.9	4.1	4.3	4.5	4.4	4.3
60%	4.1	4.1	4.2	4.3	4.1	4.1	3.9	4.1	4.2	4.5	4.4	4.3
70%	4.0	4.0	4.2	4.2	4.1	4.0	3.8	4.0	4.2	4.4	4.3	4.2
80%	4.0	4.0	4.1	4.1	4.0	3.9	3.8	3.9	4.2	4.4	4.3	4.1
90%	4.0	3.9	4.0	4.0	3.9	3.8	3.7	3.9	4.1	4.3	4.2	4.1
Long Term												
Full Simulation Period[a]	4.1	4.2	4.4	4.5	4.4	4.2	4.0	4.1	4.3	4.5	4.4	4.3
Water Year Types[b]												
Wet (31%)	4.2	4.6	4.9	4.8	5.1	4.9	4.4	4.3	4.6	4.7	4.6	4.6
Above Normal (25%)	4.0	4.0	4.3	5.0	5.1	4.5	4.1	4.1	4.2	4.4	4.3	4.1
Below Normal (6%)	4.1	4.1	4.0	4.5	4.2	4.1	3.8	3.9	4.1	4.2	4.2	4.1
Dry (13%)	4.1	4.1	4.2	4.2	4.1	4.0	3.9	4.1	4.4	4.6	4.4	4.2
Critical (25%)	4.1	4.1	4.2	4.2	4.0	3.8	3.8	4.0	4.2	4.5	4.4	4.3

Alternative 1A,1B,1C (LLT) minus Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0.9	0.8	0.8	0.8	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.9
20%	0.9	0.8	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.9	0.9
30%	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
40%	0.9	0.9	0.9	0.9	0.8	0.8	0.9	0.8	0.9	0.8	0.9	0.9
50%	0.9	0.9	0.9	0.8	0.9	0.8	0.9	0.9	0.9	0.8	0.9	0.9
60%	1.0	0.9	0.9	0.9	0.8	0.8	0.9	0.9	0.8	0.9	0.9	0.9
70%	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.9	0.9
80%	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.9	0.8	0.9	0.9
90%	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.9	0.9
Long Term												
Full Simulation Period[a]	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.9	0.9
Water Year Types[b]												
Wet (31%)	0.9	0.8	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.9	0.8
Above Normal (25%)	1.0	0.9	0.9	0.8	0.9	0.9	0.8	0.8	0.9	0.9	0.9	0.9
Below Normal (6%)	1.0	0.9	0.9	0.9	0.8	0.8	0.9	0.8	0.9	0.8	0.9	0.9
Dry (13%)	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Critical (25%)	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.9	0.9

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-32-1-3. Sacramento River at Rio Vista, Monthly Averaged Daily Maximum Elevation

Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	3.4	3.8	4.1	4.1	4.5	4.0	3.7	3.6	3.7	3.9	3.8	3.7
20%	3.2	3.5	3.7	3.9	4.1	3.8	3.2	3.3	3.6	3.8	3.7	3.5
30%	3.2	3.3	3.5	3.7	3.6	3.4	3.2	3.3	3.5	3.7	3.6	3.5
40%	3.2	3.3	3.5	3.5	3.5	3.4	3.1	3.3	3.5	3.7	3.6	3.4
50%	3.1	3.2	3.5	3.5	3.3	3.3	3.0	3.2	3.5	3.7	3.6	3.4
60%	3.1	3.2	3.3	3.4	3.3	3.2	3.0	3.2	3.4	3.6	3.5	3.4
70%	3.1	3.2	3.3	3.4	3.2	3.1	2.9	3.2	3.4	3.6	3.4	3.3
80%	3.0	3.1	3.3	3.2	3.1	2.9	2.9	3.1	3.3	3.6	3.4	3.2
90%	3.0	3.0	3.1	3.2	3.0	2.8	2.8	3.0	3.3	3.5	3.4	3.2
Long Term												
Full Simulation Period[a]	3.2	3.3	3.5	3.6	3.6	3.3	3.1	3.3	3.5	3.7	3.6	3.4
Water Year Types[b]												
Wet (31%)	3.3	3.7	4.0	4.0	4.2	4.0	3.4	3.5	3.8	3.9	3.7	3.8
Above Normal (25%)	3.0	3.1	3.4	4.1	4.2	3.6	3.2	3.3	3.3	3.5	3.5	3.2
Below Normal (6%)	3.1	3.2	3.1	3.6	3.5	3.3	2.9	3.1	3.2	3.4	3.3	3.2
Dry (13%)	3.1	3.2	3.4	3.3	3.2	3.2	3.0	3.3	3.5	3.7	3.6	3.3
Critical (25%)	3.2	3.2	3.4	3.3	3.1	2.9	2.9	3.1	3.4	3.6	3.5	3.4

Alternative 2A,2B,2C (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	4.3	4.6	4.9	5.0	5.4	4.9	4.5	4.4	4.5	4.7	4.6	4.6
20%	4.2	4.3	4.5	4.8	5.0	4.7	4.1	4.2	4.4	4.6	4.5	4.4
30%	4.1	4.2	4.4	4.6	4.5	4.2	4.1	4.2	4.4	4.6	4.5	4.4
40%	4.1	4.2	4.4	4.4	4.3	4.2	4.0	4.1	4.3	4.6	4.5	4.3
50%	4.1	4.1	4.3	4.4	4.2	4.1	3.9	4.1	4.3	4.5	4.4	4.3
60%	4.0	4.1	4.2	4.3	4.1	4.1	3.9	4.1	4.2	4.5	4.4	4.3
70%	4.0	4.0	4.2	4.2	4.1	4.0	3.8	4.0	4.2	4.5	4.3	4.2
80%	4.0	4.0	4.1	4.2	4.0	3.9	3.8	3.9	4.2	4.4	4.3	4.1
90%	3.9	3.9	4.0	4.1	3.9	3.7	3.7	3.9	4.1	4.3	4.2	4.1
Long Term												
Full Simulation Period[a]	4.1	4.2	4.4	4.5	4.4	4.2	4.0	4.1	4.3	4.5	4.4	4.3
Water Year Types[b]												
Wet (31%)	4.2	4.5	4.9	4.8	5.1	4.9	4.4	4.3	4.6	4.7	4.6	4.7
Above Normal (25%)	4.0	4.0	4.3	5.0	5.1	4.5	4.0	4.1	4.1	4.4	4.3	4.2
Below Normal (6%)	4.0	4.1	4.0	4.5	4.2	4.1	3.9	3.9	4.1	4.2	4.2	4.1
Dry (13%)	4.1	4.1	4.2	4.2	4.1	4.0	3.9	4.1	4.4	4.6	4.4	4.2
Critical (25%)	4.1	4.1	4.2	4.2	4.0	3.8	3.8	4.0	4.2	4.5	4.4	4.3

Alternative 2A,2B,2C (LLT) minus Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0.9	0.8	0.8	0.8	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.9
20%	1.0	0.8	0.9	0.9	0.8	0.9	0.9	0.8	0.8	0.9	0.9	1.0
30%	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
40%	0.9	0.9	0.9	0.8	0.8	0.8	0.9	0.8	0.9	0.8	0.9	0.9
50%	0.9	0.9	0.9	0.8	0.9	0.8	0.9	0.9	0.8	0.8	0.9	0.9
60%	1.0	0.9	0.9	0.9	0.8	0.8	0.9	0.9	0.8	0.9	0.9	0.9
70%	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.9	0.9
80%	1.0	0.9	0.9	1.0	0.9	0.9	0.9	0.8	0.8	0.8	0.9	0.9
90%	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.9	0.9
Long Term												
Full Simulation Period[a]	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.9	0.9
Water Year Types[b]												
Wet (31%)	0.9	0.8	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.9	0.9
Above Normal (25%)	1.0	0.9	0.9	0.8	0.9	0.9	0.8	0.8	0.8	0.9	0.9	0.9
Below Normal (6%)	0.9	0.9	0.9	0.9	0.8	0.8	0.9	0.8	0.9	0.8	0.8	0.9
Dry (13%)	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Critical (25%)	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.9	0.9

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-32-1-4. Sacramento River at Rio Vista, Monthly Averaged Daily Maximum Elevation

Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	3.4	3.8	4.1	4.1	4.5	4.0	3.7	3.6	3.7	3.9	3.8	3.7
20%	3.2	3.5	3.7	3.9	4.1	3.8	3.2	3.3	3.6	3.8	3.7	3.5
30%	3.2	3.3	3.5	3.7	3.6	3.4	3.2	3.3	3.5	3.7	3.6	3.5
40%	3.2	3.3	3.5	3.5	3.5	3.4	3.1	3.3	3.5	3.7	3.6	3.4
50%	3.1	3.2	3.5	3.5	3.3	3.3	3.0	3.2	3.5	3.7	3.6	3.4
60%	3.1	3.2	3.3	3.4	3.3	3.2	3.0	3.2	3.4	3.6	3.5	3.4
70%	3.1	3.2	3.3	3.4	3.2	3.1	2.9	3.2	3.4	3.6	3.4	3.3
80%	3.0	3.1	3.3	3.2	3.1	2.9	2.9	3.1	3.3	3.6	3.4	3.2
90%	3.0	3.0	3.1	3.2	3.0	2.8	2.8	3.0	3.3	3.5	3.4	3.2
Long Term												
Full Simulation Period[a]	3.2	3.3	3.5	3.6	3.6	3.3	3.1	3.3	3.5	3.7	3.6	3.4
Water Year Types[b]												
Wet (31%)	3.3	3.7	4.0	4.0	4.2	4.0	3.4	3.5	3.8	3.9	3.7	3.8
Above Normal (25%)	3.0	3.1	3.4	4.1	4.2	3.6	3.2	3.3	3.3	3.5	3.5	3.2
Below Normal (6%)	3.1	3.2	3.1	3.6	3.5	3.3	2.9	3.1	3.2	3.4	3.3	3.2
Dry (13%)	3.1	3.2	3.4	3.3	3.2	3.2	3.0	3.3	3.5	3.7	3.6	3.3
Critical (25%)	3.2	3.2	3.4	3.3	3.1	2.9	2.9	3.1	3.4	3.6	3.5	3.4

Alternative 3 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	4.3	4.6	5.0	5.0	5.4	4.9	4.5	4.4	4.5	4.7	4.6	4.6
20%	4.1	4.3	4.5	4.8	5.0	4.7	4.1	4.2	4.5	4.6	4.5	4.4
30%	4.1	4.2	4.4	4.6	4.5	4.3	4.1	4.2	4.4	4.6	4.5	4.3
40%	4.1	4.2	4.3	4.4	4.3	4.2	4.0	4.1	4.3	4.6	4.5	4.3
50%	4.1	4.1	4.3	4.4	4.2	4.1	3.9	4.1	4.3	4.5	4.4	4.3
60%	4.1	4.1	4.2	4.3	4.1	4.1	3.9	4.1	4.2	4.5	4.4	4.3
70%	4.0	4.0	4.2	4.2	4.1	4.0	3.8	4.0	4.2	4.5	4.3	4.2
80%	4.0	4.0	4.1	4.2	4.0	3.9	3.8	3.9	4.2	4.4	4.3	4.1
90%	4.0	3.9	4.0	4.1	3.9	3.8	3.7	3.9	4.1	4.3	4.2	4.1
Long Term												
Full Simulation Period[a]	4.1	4.2	4.4	4.5	4.5	4.3	4.0	4.1	4.3	4.5	4.4	4.3
Water Year Types[b]												
Wet (31%)	4.2	4.6	4.9	4.9	5.1	4.9	4.4	4.3	4.6	4.7	4.6	4.6
Above Normal (25%)	4.0	4.0	4.3	5.0	5.1	4.5	4.1	4.1	4.1	4.4	4.3	4.1
Below Normal (6%)	4.0	4.0	4.0	4.5	4.3	4.1	3.8	3.9	4.1	4.2	4.2	4.1
Dry (13%)	4.1	4.1	4.2	4.2	4.1	4.1	3.9	4.1	4.4	4.6	4.4	4.2
Critical (25%)	4.1	4.1	4.2	4.2	4.0	3.8	3.8	4.0	4.2	4.5	4.4	4.3

Alternative 3 (LLT) minus Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0.9	0.8	0.9	0.9	1.0	0.9	0.9	0.8	0.9	0.8	0.8	0.9
20%	0.9	0.8	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.9	0.9	0.9
30%	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
40%	0.9	0.9	0.9	0.9	0.8	0.9	0.9	0.8	0.9	0.8	0.9	0.9
50%	0.9	0.9	0.9	0.8	0.9	0.9	0.9	0.9	0.9	0.8	0.9	0.9
60%	1.0	0.9	0.9	0.9	0.8	0.9	0.9	0.9	0.8	0.9	0.9	0.9
70%	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.9	0.9
80%	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.9	0.8	0.9	0.9
90%	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.9	0.9
Long Term												
Full Simulation Period[a]	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.9	0.9
Water Year Types[b]												
Wet (31%)	0.9	0.8	0.9	0.9	1.0	0.9	0.9	0.8	0.8	0.8	0.8	0.8
Above Normal (25%)	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.9	0.9	0.9	0.9
Below Normal (6%)	1.0	0.9	0.9	0.9	0.8	0.9	0.9	0.8	0.9	0.8	0.9	0.9
Dry (13%)	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Critical (25%)	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.9	0.9

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-32-1-5. Sacramento River at Rio Vista, Monthly Averaged Daily Maximum Elevation

Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	3.4	3.8	4.1	4.1	4.5	4.0	3.7	3.6	3.7	3.9	3.8	3.7
20%	3.2	3.5	3.7	3.9	4.1	3.8	3.2	3.3	3.6	3.8	3.7	3.5
30%	3.2	3.3	3.5	3.7	3.6	3.4	3.2	3.3	3.5	3.7	3.6	3.5
40%	3.2	3.3	3.5	3.5	3.5	3.4	3.1	3.3	3.5	3.7	3.6	3.4
50%	3.1	3.2	3.5	3.5	3.3	3.3	3.0	3.2	3.5	3.7	3.6	3.4
60%	3.1	3.2	3.3	3.4	3.3	3.2	3.0	3.2	3.4	3.6	3.5	3.4
70%	3.1	3.2	3.3	3.4	3.2	3.1	2.9	3.2	3.4	3.6	3.4	3.3
80%	3.0	3.1	3.3	3.2	3.1	2.9	2.9	3.1	3.3	3.6	3.4	3.2
90%	3.0	3.0	3.1	3.2	3.0	2.8	2.8	3.0	3.3	3.5	3.4	3.2
Long Term												
Full Simulation Period[a]	3.2	3.3	3.5	3.6	3.6	3.3	3.1	3.3	3.5	3.7	3.6	3.4
Water Year Types[b]												
Wet (31%)	3.3	3.7	4.0	4.0	4.2	4.0	3.4	3.5	3.8	3.9	3.7	3.8
Above Normal (25%)	3.0	3.1	3.4	4.1	4.2	3.6	3.2	3.3	3.3	3.5	3.5	3.2
Below Normal (6%)	3.1	3.2	3.1	3.6	3.5	3.3	2.9	3.1	3.2	3.4	3.3	3.2
Dry (13%)	3.1	3.2	3.4	3.3	3.2	3.2	3.0	3.3	3.5	3.7	3.6	3.3
Critical (25%)	3.2	3.2	3.4	3.3	3.1	2.9	2.9	3.1	3.4	3.6	3.5	3.4

Alternative 4 H1 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	4.3	4.6	5.0	5.0	5.4	4.9	4.5	4.4	4.5	4.7	4.6	4.6
20%	4.2	4.3	4.5	4.8	5.0	4.7	4.1	4.2	4.5	4.6	4.5	4.4
30%	4.1	4.2	4.4	4.6	4.5	4.3	4.1	4.2	4.4	4.6	4.5	4.3
40%	4.1	4.2	4.4	4.4	4.3	4.2	4.0	4.1	4.3	4.6	4.5	4.3
50%	4.1	4.1	4.3	4.4	4.2	4.1	3.9	4.1	4.3	4.5	4.4	4.3
60%	4.0	4.0	4.2	4.3	4.1	4.1	3.9	4.1	4.2	4.5	4.4	4.3
70%	4.0	4.0	4.2	4.3	4.1	4.0	3.8	4.0	4.2	4.5	4.3	4.2
80%	4.0	4.0	4.1	4.2	4.0	3.9	3.8	4.0	4.2	4.4	4.3	4.1
90%	3.9	3.9	4.0	4.1	3.9	3.7	3.7	3.9	4.1	4.3	4.2	4.1
Long Term												
Full Simulation Period[a]	4.1	4.2	4.4	4.5	4.5	4.2	4.0	4.1	4.3	4.5	4.4	4.3
Water Year Types[b]												
Wet (31%)	4.2	4.6	4.9	4.8	5.1	4.9	4.4	4.3	4.5	4.7	4.6	4.6
Above Normal (25%)	4.0	4.0	4.3	5.0	5.1	4.5	4.1	4.1	4.1	4.4	4.3	4.1
Below Normal (6%)	4.0	4.0	4.0	4.5	4.3	4.1	3.9	4.0	4.1	4.2	4.2	4.1
Dry (13%)	4.1	4.1	4.3	4.2	4.1	4.0	3.9	4.1	4.4	4.6	4.4	4.2
Critical (25%)	4.1	4.1	4.2	4.2	4.0	3.8	3.8	4.0	4.2	4.5	4.4	4.3

Alternative 4 H1 (LLT) minus Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0.9	0.8	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.9
20%	0.9	0.8	0.8	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.9	0.9
30%	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
40%	0.9	0.9	0.9	0.9	0.8	0.9	0.9	0.8	0.9	0.8	0.9	0.9
50%	0.9	0.9	0.9	0.8	0.9	0.8	0.9	0.9	0.8	0.8	0.9	0.9
60%	0.9	0.9	0.9	0.9	0.8	0.8	0.9	0.9	0.8	0.9	0.9	0.9
70%	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.9	0.9
80%	0.9	0.9	0.9	1.0	0.9	0.9	0.9	0.8	0.8	0.8	0.9	0.9
90%	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.9	0.9
Long Term												
Full Simulation Period[a]	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.9	0.9
Water Year Types[b]												
Wet (31%)	0.9	0.8	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.9	0.8
Above Normal (25%)	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.9	0.9	0.9
Below Normal (6%)	0.9	0.9	0.9	0.9	0.8	0.8	0.9	0.8	0.9	0.8	0.8	0.9
Dry (13%)	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Critical (25%)	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.9	0.9

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-32-1-6. Sacramento River at Rio Vista, Monthly Averaged Daily Maximum Elevation

Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	3.4	3.8	4.1	4.1	4.5	4.0	3.7	3.6	3.7	3.9	3.8	3.7
20%	3.2	3.5	3.7	3.9	4.1	3.8	3.2	3.3	3.6	3.8	3.7	3.5
30%	3.2	3.3	3.5	3.7	3.6	3.4	3.2	3.3	3.5	3.7	3.6	3.5
40%	3.2	3.3	3.5	3.5	3.5	3.4	3.1	3.3	3.5	3.7	3.6	3.4
50%	3.1	3.2	3.5	3.5	3.3	3.3	3.0	3.2	3.5	3.7	3.6	3.4
60%	3.1	3.2	3.3	3.4	3.3	3.2	3.0	3.2	3.4	3.6	3.5	3.4
70%	3.1	3.2	3.3	3.4	3.2	3.1	2.9	3.2	3.4	3.6	3.4	3.3
80%	3.0	3.1	3.3	3.2	3.1	2.9	2.9	3.1	3.3	3.6	3.4	3.2
90%	3.0	3.0	3.1	3.2	3.0	2.8	2.8	3.0	3.3	3.5	3.4	3.2
Long Term												
Full Simulation Period[a]	3.2	3.3	3.5	3.6	3.6	3.3	3.1	3.3	3.5	3.7	3.6	3.4
Water Year Types[b]												
Wet (31%)	3.3	3.7	4.0	4.0	4.2	4.0	3.4	3.5	3.8	3.9	3.7	3.8
Above Normal (25%)	3.0	3.1	3.4	4.1	4.2	3.6	3.2	3.3	3.3	3.5	3.5	3.2
Below Normal (6%)	3.1	3.2	3.1	3.6	3.5	3.3	2.9	3.1	3.2	3.4	3.3	3.2
Dry (13%)	3.1	3.2	3.4	3.3	3.2	3.2	3.0	3.3	3.5	3.7	3.6	3.3
Critical (25%)	3.2	3.2	3.4	3.3	3.1	2.9	2.9	3.1	3.4	3.6	3.5	3.4

Alternative 4 H2 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	4.3	4.6	5.0	5.0	5.4	4.9	4.5	4.4	4.5	4.7	4.6	4.6
20%	4.2	4.3	4.5	4.8	5.0	4.7	4.1	4.2	4.4	4.6	4.5	4.4
30%	4.1	4.2	4.4	4.6	4.5	4.3	4.1	4.2	4.4	4.6	4.5	4.3
40%	4.1	4.2	4.3	4.4	4.3	4.2	4.0	4.1	4.3	4.6	4.5	4.3
50%	4.1	4.1	4.3	4.4	4.2	4.1	3.9	4.1	4.3	4.5	4.4	4.3
60%	4.1	4.0	4.2	4.3	4.1	4.1	3.9	4.1	4.2	4.5	4.4	4.3
70%	4.0	4.0	4.2	4.2	4.1	4.0	3.9	4.0	4.2	4.4	4.3	4.2
80%	4.0	4.0	4.1	4.2	4.0	3.9	3.9	4.0	4.2	4.4	4.3	4.1
90%	3.9	3.9	4.0	4.1	3.9	3.8	3.7	3.9	4.1	4.3	4.2	4.1
Long Term												
Full Simulation Period[a]	4.1	4.2	4.4	4.5	4.5	4.2	4.0	4.1	4.3	4.5	4.4	4.3
Water Year Types[b]												
Wet (31%)	4.2	4.6	4.9	4.8	5.1	4.9	4.4	4.3	4.5	4.7	4.6	4.6
Above Normal (25%)	4.0	4.0	4.3	5.0	5.1	4.5	4.1	4.1	4.1	4.4	4.3	4.1
Below Normal (6%)	4.0	4.0	4.0	4.5	4.3	4.1	3.9	4.0	4.1	4.2	4.2	4.1
Dry (13%)	4.1	4.1	4.2	4.2	4.1	4.1	3.9	4.1	4.4	4.5	4.4	4.2
Critical (25%)	4.1	4.1	4.2	4.2	4.0	3.8	3.8	4.0	4.2	4.5	4.4	4.3

Alternative 4 H2 (LLT) minus Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0.9	0.8	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.9
20%	0.9	0.8	0.8	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.9	0.9
30%	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.9	0.9
40%	0.9	0.9	0.9	0.9	0.8	0.9	0.9	0.9	0.9	0.8	0.9	0.9
50%	0.9	0.9	0.9	0.8	0.9	0.8	1.0	0.9	0.8	0.8	0.9	0.9
60%	1.0	0.9	0.9	0.9	0.8	0.8	0.9	0.9	0.8	0.8	0.9	0.9
70%	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.9	0.9
80%	0.9	0.9	0.9	1.0	0.9	0.9	1.0	0.8	0.8	0.8	0.9	0.9
90%	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.9	0.9
Long Term												
Full Simulation Period[a]	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.9	0.9
Water Year Types[b]												
Wet (31%)	0.9	0.8	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.9	0.8
Above Normal (25%)	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.9	0.9
Below Normal (6%)	0.9	0.9	0.9	0.9	0.8	0.8	0.9	0.8	0.9	0.8	0.8	0.9
Dry (13%)	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.9	0.9
Critical (25%)	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.9	0.9

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-32-1-7. Sacramento River at Rio Vista, Monthly Averaged Daily Maximum Elevation

Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	3.4	3.8	4.1	4.1	4.5	4.0	3.7	3.6	3.7	3.9	3.8	3.7
20%	3.2	3.5	3.7	3.9	4.1	3.8	3.2	3.3	3.6	3.8	3.7	3.5
30%	3.2	3.3	3.5	3.7	3.6	3.4	3.2	3.3	3.5	3.7	3.6	3.5
40%	3.2	3.3	3.5	3.5	3.5	3.4	3.1	3.3	3.5	3.7	3.6	3.4
50%	3.1	3.2	3.5	3.5	3.3	3.3	3.0	3.2	3.5	3.7	3.6	3.4
60%	3.1	3.2	3.3	3.4	3.3	3.2	3.0	3.2	3.4	3.6	3.5	3.4
70%	3.1	3.2	3.3	3.4	3.2	3.1	2.9	3.2	3.4	3.6	3.4	3.3
80%	3.0	3.1	3.3	3.2	3.1	2.9	2.9	3.1	3.3	3.6	3.4	3.2
90%	3.0	3.0	3.1	3.2	3.0	2.8	2.8	3.0	3.3	3.5	3.4	3.2
Long Term												
Full Simulation Period[a]	3.2	3.3	3.5	3.6	3.6	3.3	3.1	3.3	3.5	3.7	3.6	3.4
Water Year Types[b]												
Wet (31%)	3.3	3.7	4.0	4.0	4.2	4.0	3.4	3.5	3.8	3.9	3.7	3.8
Above Normal (25%)	3.0	3.1	3.4	4.1	4.2	3.6	3.2	3.3	3.3	3.5	3.5	3.2
Below Normal (6%)	3.1	3.2	3.1	3.6	3.5	3.3	2.9	3.1	3.2	3.4	3.3	3.2
Dry (13%)	3.1	3.2	3.4	3.3	3.2	3.2	3.0	3.3	3.5	3.7	3.6	3.3
Critical (25%)	3.2	3.2	3.4	3.3	3.1	2.9	2.9	3.1	3.4	3.6	3.5	3.4

Alternative 4 H3 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	4.3	4.6	4.9	5.0	5.4	4.9	4.5	4.4	4.5	4.7	4.6	4.7
20%	4.2	4.3	4.5	4.8	5.0	4.7	4.1	4.2	4.5	4.6	4.5	4.4
30%	4.1	4.2	4.4	4.6	4.5	4.3	4.1	4.2	4.4	4.6	4.5	4.4
40%	4.1	4.2	4.4	4.4	4.3	4.2	4.0	4.1	4.3	4.6	4.5	4.3
50%	4.1	4.1	4.3	4.4	4.2	4.1	3.9	4.1	4.3	4.5	4.4	4.3
60%	4.1	4.1	4.2	4.3	4.1	4.1	3.9	4.1	4.2	4.5	4.4	4.3
70%	4.0	4.0	4.2	4.2	4.1	4.0	3.8	4.0	4.2	4.5	4.3	4.2
80%	4.0	4.0	4.1	4.2	4.0	3.9	3.8	4.0	4.2	4.4	4.3	4.1
90%	3.9	3.9	4.0	4.1	3.9	3.7	3.7	3.9	4.1	4.3	4.2	4.1
Long Term												
Full Simulation Period[a]	4.1	4.2	4.4	4.5	4.4	4.2	4.0	4.1	4.3	4.5	4.4	4.3
Water Year Types[b]												
Wet (31%)	4.2	4.6	4.9	4.8	5.1	4.9	4.4	4.3	4.5	4.7	4.6	4.7
Above Normal (25%)	4.0	4.0	4.3	5.0	5.1	4.5	4.1	4.1	4.1	4.4	4.3	4.2
Below Normal (6%)	4.0	4.1	4.0	4.5	4.3	4.1	3.9	4.0	4.1	4.2	4.2	4.1
Dry (13%)	4.1	4.1	4.2	4.2	4.1	4.0	3.9	4.1	4.4	4.6	4.4	4.2
Critical (25%)	4.1	4.1	4.2	4.2	4.0	3.8	3.8	4.0	4.2	4.5	4.4	4.3

Alternative 4 H3 (LLT) minus Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0.9	0.8	0.9	0.8	0.9	0.9	0.9	0.8	0.8	0.8	0.8	1.0
20%	1.0	0.8	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.9	0.9
30%	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
40%	0.9	0.9	0.9	0.8	0.8	0.8	0.9	0.8	0.9	0.8	0.9	0.9
50%	0.9	0.9	0.9	0.8	0.9	0.8	0.9	0.9	0.8	0.8	0.9	0.9
60%	1.0	0.9	0.9	0.9	0.8	0.8	0.9	0.9	0.8	0.9	0.9	0.9
70%	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.9	0.9
80%	0.9	0.9	0.9	1.0	0.9	0.9	0.9	0.8	0.8	0.8	0.9	0.9
90%	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.9	0.9
Long Term												
Full Simulation Period[a]	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.9	0.9
Water Year Types[b]												
Wet (31%)	0.9	0.8	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.9	0.9
Above Normal (25%)	1.0	0.9	0.9	0.8	0.9	0.9	0.8	0.8	0.8	0.9	0.9	0.9
Below Normal (6%)	0.9	0.9	0.9	0.9	0.8	0.8	0.9	0.8	0.9	0.8	0.8	0.9
Dry (13%)	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Critical (25%)	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.9	0.9

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-32-1-8. Sacramento River at Rio Vista, Monthly Averaged Daily Maximum Elevation

Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	3.4	3.8	4.1	4.1	4.5	4.0	3.7	3.6	3.7	3.9	3.8	3.7
20%	3.2	3.5	3.7	3.9	4.1	3.8	3.2	3.3	3.6	3.8	3.7	3.5
30%	3.2	3.3	3.5	3.7	3.6	3.4	3.2	3.3	3.5	3.7	3.6	3.5
40%	3.2	3.3	3.5	3.5	3.5	3.4	3.1	3.3	3.5	3.7	3.6	3.4
50%	3.1	3.2	3.5	3.5	3.3	3.3	3.0	3.2	3.5	3.7	3.6	3.4
60%	3.1	3.2	3.3	3.4	3.3	3.2	3.0	3.2	3.4	3.6	3.5	3.4
70%	3.1	3.2	3.3	3.4	3.2	3.1	2.9	3.2	3.4	3.6	3.4	3.3
80%	3.0	3.1	3.3	3.2	3.1	2.9	2.9	3.1	3.3	3.6	3.4	3.2
90%	3.0	3.0	3.1	3.2	3.0	2.8	2.8	3.0	3.3	3.5	3.4	3.2
Long Term												
Full Simulation Period[a]	3.2	3.3	3.5	3.6	3.6	3.3	3.1	3.3	3.5	3.7	3.6	3.4
Water Year Types[b]												
Wet (31%)	3.3	3.7	4.0	4.0	4.2	4.0	3.4	3.5	3.8	3.9	3.7	3.8
Above Normal (25%)	3.0	3.1	3.4	4.1	4.2	3.6	3.2	3.3	3.3	3.5	3.5	3.2
Below Normal (6%)	3.1	3.2	3.1	3.6	3.5	3.3	2.9	3.1	3.2	3.4	3.3	3.2
Dry (13%)	3.1	3.2	3.4	3.3	3.2	3.2	3.0	3.3	3.5	3.7	3.6	3.3
Critical (25%)	3.2	3.2	3.4	3.3	3.1	2.9	2.9	3.1	3.4	3.6	3.5	3.4

Alternative 4 H4 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	4.3	4.6	4.9	5.0	5.4	4.9	4.5	4.4	4.5	4.7	4.6	4.6
20%	4.2	4.3	4.5	4.8	5.0	4.7	4.1	4.2	4.4	4.6	4.5	4.4
30%	4.1	4.2	4.4	4.6	4.5	4.3	4.1	4.2	4.4	4.6	4.5	4.4
40%	4.1	4.2	4.3	4.4	4.3	4.2	4.0	4.1	4.3	4.6	4.5	4.3
50%	4.1	4.1	4.3	4.4	4.2	4.1	3.9	4.1	4.3	4.5	4.4	4.3
60%	4.1	4.1	4.2	4.3	4.1	4.1	3.9	4.1	4.2	4.5	4.4	4.3
70%	4.0	4.0	4.2	4.2	4.1	4.0	3.9	4.0	4.2	4.4	4.3	4.2
80%	4.0	4.0	4.1	4.2	4.0	3.9	3.9	4.0	4.2	4.4	4.3	4.1
90%	3.9	3.9	4.0	4.1	3.9	3.7	3.7	3.9	4.1	4.3	4.2	4.1
Long Term												
Full Simulation Period[a]	4.1	4.2	4.4	4.5	4.5	4.2	4.0	4.1	4.3	4.5	4.4	4.3
Water Year Types[b]												
Wet (31%)	4.2	4.5	4.9	4.8	5.1	4.9	4.4	4.3	4.5	4.7	4.6	4.7
Above Normal (25%)	4.0	4.0	4.3	5.0	5.1	4.5	4.1	4.1	4.1	4.4	4.3	4.2
Below Normal (6%)	4.0	4.1	4.0	4.5	4.3	4.1	3.9	4.0	4.1	4.2	4.2	4.1
Dry (13%)	4.1	4.1	4.2	4.2	4.1	4.1	3.9	4.1	4.4	4.5	4.4	4.2
Critical (25%)	4.1	4.1	4.2	4.2	4.0	3.8	3.8	4.0	4.2	4.5	4.4	4.3

Alternative 4 H4 (LLT) minus Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0.9	0.8	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.9
20%	1.0	0.8	0.8	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.9	0.9
30%	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.9	0.9	0.9
40%	0.9	0.9	0.9	0.8	0.8	0.9	0.9	0.9	0.9	0.8	0.9	0.9
50%	0.9	0.9	0.9	0.8	0.9	0.8	1.0	0.9	0.8	0.8	0.9	0.9
60%	1.0	0.9	0.9	0.9	0.8	0.8	0.9	0.9	0.8	0.8	0.9	0.9
70%	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.9	0.9
80%	0.9	0.9	0.9	0.9	0.9	0.9	1.0	0.8	0.8	0.8	0.9	0.9
90%	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.9	0.9
Long Term												
Full Simulation Period[a]	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.9	0.9
Water Year Types[b]												
Wet (31%)	0.9	0.8	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.9	0.9
Above Normal (25%)	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.9	0.9
Below Normal (6%)	0.9	0.9	0.9	0.9	0.8	0.8	0.9	0.8	0.9	0.8	0.8	0.9
Dry (13%)	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.9	0.9
Critical (25%)	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.9	0.9

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-32-1-9. Sacramento River at Rio Vista, Monthly Averaged Daily Maximum Elevation

Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	3.4	3.8	4.1	4.1	4.5	4.0	3.7	3.6	3.7	3.9	3.8	3.7
20%	3.2	3.5	3.7	3.9	4.1	3.8	3.2	3.3	3.6	3.8	3.7	3.5
30%	3.2	3.3	3.5	3.7	3.6	3.4	3.2	3.3	3.5	3.7	3.6	3.5
40%	3.2	3.3	3.5	3.5	3.5	3.4	3.1	3.3	3.5	3.7	3.6	3.4
50%	3.1	3.2	3.5	3.5	3.3	3.3	3.0	3.2	3.5	3.7	3.6	3.4
60%	3.1	3.2	3.3	3.4	3.3	3.2	3.0	3.2	3.4	3.6	3.5	3.4
70%	3.1	3.2	3.3	3.4	3.2	3.1	2.9	3.2	3.4	3.6	3.4	3.3
80%	3.0	3.1	3.3	3.2	3.1	2.9	2.9	3.1	3.3	3.6	3.4	3.2
90%	3.0	3.0	3.1	3.2	3.0	2.8	2.8	3.0	3.3	3.5	3.4	3.2
Long Term												
Full Simulation Period[a]	3.2	3.3	3.5	3.6	3.6	3.3	3.1	3.3	3.5	3.7	3.6	3.4
Water Year Types[b]												
Wet (31%)	3.3	3.7	4.0	4.0	4.2	4.0	3.4	3.5	3.8	3.9	3.7	3.8
Above Normal (25%)	3.0	3.1	3.4	4.1	4.2	3.6	3.2	3.3	3.3	3.5	3.5	3.2
Below Normal (6%)	3.1	3.2	3.1	3.6	3.5	3.3	2.9	3.1	3.2	3.4	3.3	3.2
Dry (13%)	3.1	3.2	3.4	3.3	3.2	3.2	3.0	3.3	3.5	3.7	3.6	3.3
Critical (25%)	3.2	3.2	3.4	3.3	3.1	2.9	2.9	3.1	3.4	3.6	3.5	3.4

Alternative 5 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	4.3	4.6	5.0	5.0	5.4	4.9	4.6	4.4	4.5	4.7	4.6	4.6
20%	4.2	4.3	4.5	4.8	5.0	4.7	4.1	4.2	4.4	4.6	4.5	4.4
30%	4.1	4.2	4.4	4.6	4.5	4.3	4.1	4.2	4.4	4.6	4.5	4.4
40%	4.1	4.2	4.3	4.4	4.3	4.2	4.0	4.1	4.4	4.6	4.5	4.3
50%	4.1	4.1	4.3	4.4	4.2	4.1	3.9	4.1	4.3	4.5	4.4	4.3
60%	4.0	4.1	4.2	4.3	4.1	4.1	3.9	4.1	4.2	4.5	4.4	4.3
70%	4.0	4.0	4.2	4.2	4.1	4.0	3.8	4.0	4.2	4.5	4.3	4.2
80%	4.0	4.0	4.1	4.2	4.0	3.9	3.8	4.0	4.2	4.4	4.2	4.1
90%	3.9	3.9	4.0	4.1	3.9	3.7	3.7	3.9	4.1	4.3	4.2	4.1
Long Term												
Full Simulation Period[a]	4.1	4.2	4.4	4.5	4.5	4.3	4.0	4.1	4.3	4.5	4.4	4.3
Water Year Types[b]												
Wet (31%)	4.2	4.6	4.9	4.9	5.1	4.9	4.4	4.3	4.6	4.7	4.6	4.7
Above Normal (25%)	4.0	4.0	4.3	5.0	5.1	4.5	4.1	4.1	4.1	4.4	4.3	4.2
Below Normal (6%)	4.0	4.1	4.0	4.5	4.3	4.1	3.9	4.0	4.1	4.2	4.2	4.1
Dry (13%)	4.1	4.1	4.2	4.2	4.1	4.1	3.9	4.1	4.4	4.6	4.4	4.2
Critical (25%)	4.1	4.1	4.2	4.2	4.0	3.8	3.8	4.0	4.2	4.5	4.4	4.3

Alternative 5 (LLT) minus Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0.9	0.8	0.9	0.9	1.0	0.9	0.9	0.8	0.8	0.8	0.8	0.9
20%	0.9	0.8	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.9	0.9	1.0
30%	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
40%	0.9	0.9	0.9	0.9	0.8	0.9	0.9	0.8	0.9	0.9	0.9	0.9
50%	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.9	0.9
60%	0.9	0.9	0.9	0.9	0.8	0.9	0.9	0.9	0.8	0.9	0.9	0.9
70%	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.9	0.9
80%	0.9	0.9	0.9	1.0	0.9	0.9	0.9	0.8	0.9	0.8	0.9	0.9
90%	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Long Term												
Full Simulation Period[a]	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.9	0.9
Water Year Types[b]												
Wet (31%)	0.9	0.8	0.9	0.9	0.9	1.0	0.9	0.8	0.8	0.8	0.9	0.9
Above Normal (25%)	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.9	0.9	0.9	0.9
Below Normal (6%)	0.9	0.9	0.9	0.8	0.8	0.9	0.9	0.8	0.9	0.8	0.8	0.9
Dry (13%)	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.9	0.9	0.9
Critical (25%)	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.9	0.9

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-32-1-10. Sacramento River at Rio Vista, Monthly Averaged Daily Maximum Elevation

Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	3.4	3.8	4.1	4.1	4.5	4.0	3.7	3.6	3.7	3.9	3.8	3.7
20%	3.2	3.5	3.7	3.9	4.1	3.8	3.2	3.3	3.6	3.8	3.7	3.5
30%	3.2	3.3	3.5	3.7	3.6	3.4	3.2	3.3	3.5	3.7	3.6	3.5
40%	3.2	3.3	3.5	3.5	3.5	3.4	3.1	3.3	3.5	3.7	3.6	3.4
50%	3.1	3.2	3.5	3.5	3.3	3.3	3.0	3.2	3.5	3.7	3.6	3.4
60%	3.1	3.2	3.3	3.4	3.3	3.2	3.0	3.2	3.4	3.6	3.5	3.4
70%	3.1	3.2	3.3	3.4	3.2	3.1	2.9	3.2	3.4	3.6	3.4	3.3
80%	3.0	3.1	3.3	3.2	3.1	2.9	2.9	3.1	3.3	3.6	3.4	3.2
90%	3.0	3.0	3.1	3.2	3.0	2.8	2.8	3.0	3.3	3.5	3.4	3.2
Long Term												
Full Simulation Period[a]	3.2	3.3	3.5	3.6	3.6	3.3	3.1	3.3	3.5	3.7	3.6	3.4
Water Year Types[b]												
Wet (31%)	3.3	3.7	4.0	4.0	4.2	4.0	3.4	3.5	3.8	3.9	3.7	3.8
Above Normal (25%)	3.0	3.1	3.4	4.1	4.2	3.6	3.2	3.3	3.3	3.5	3.5	3.2
Below Normal (6%)	3.1	3.2	3.1	3.6	3.5	3.3	2.9	3.1	3.2	3.4	3.3	3.2
Dry (13%)	3.1	3.2	3.4	3.3	3.2	3.2	3.0	3.3	3.5	3.7	3.6	3.3
Critical (25%)	3.2	3.2	3.4	3.3	3.1	2.9	2.9	3.1	3.4	3.6	3.5	3.4

Alternative 6A,6B,6C (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	4.3	4.6	5.0	5.0	5.4	4.9	4.5	4.4	4.5	4.7	4.6	4.6
20%	4.2	4.4	4.5	4.8	5.0	4.7	4.1	4.2	4.4	4.6	4.5	4.4
30%	4.1	4.3	4.4	4.6	4.5	4.2	4.1	4.2	4.4	4.6	4.5	4.4
40%	4.1	4.2	4.4	4.4	4.3	4.2	4.0	4.1	4.3	4.6	4.5	4.3
50%	4.1	4.1	4.3	4.4	4.3	4.1	3.9	4.1	4.3	4.5	4.4	4.3
60%	4.1	4.1	4.2	4.3	4.1	4.1	3.9	4.1	4.2	4.5	4.4	4.3
70%	4.0	4.0	4.2	4.2	4.1	4.0	3.8	4.0	4.2	4.4	4.3	4.2
80%	4.0	4.0	4.2	4.2	4.0	3.9	3.8	4.0	4.2	4.4	4.3	4.1
90%	3.9	3.9	4.0	4.1	3.9	3.8	3.7	3.9	4.1	4.3	4.2	4.1
Long Term												
Full Simulation Period[a]	4.1	4.2	4.4	4.5	4.5	4.2	4.0	4.1	4.3	4.5	4.4	4.3
Water Year Types[b]												
Wet (31%)	4.2	4.6	4.9	4.8	5.1	4.9	4.4	4.3	4.5	4.7	4.6	4.7
Above Normal (25%)	4.0	4.0	4.3	5.0	5.1	4.5	4.0	4.1	4.1	4.4	4.4	4.2
Below Normal (6%)	4.0	4.1	4.0	4.5	4.3	4.1	3.9	4.0	4.1	4.2	4.2	4.1
Dry (13%)	4.1	4.1	4.3	4.2	4.1	4.0	3.9	4.1	4.4	4.5	4.4	4.3
Critical (25%)	4.1	4.1	4.2	4.2	4.0	3.8	3.8	4.0	4.2	4.5	4.4	4.3

Alternative 6A,6B,6C (LLT) minus Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0.9	0.8	0.9	0.8	0.9	0.9	0.9	0.8	0.8	0.8	0.9	0.9
20%	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.9	0.9
30%	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.9	0.9
40%	0.9	0.9	0.9	0.9	0.8	0.8	0.9	0.8	0.9	0.8	0.9	0.9
50%	0.9	0.9	0.9	0.9	0.9	0.8	0.9	0.9	0.9	0.8	0.9	0.9
60%	1.0	0.9	0.9	0.9	0.8	0.8	0.9	0.9	0.8	0.8	0.9	0.9
70%	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.9	0.9
80%	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.9	0.8	0.9	0.9
90%	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.9	0.9
Long Term												
Full Simulation Period[a]	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.9	0.9
Water Year Types[b]												
Wet (31%)	0.9	0.8	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.9	0.9
Above Normal (25%)	0.9	0.9	0.9	0.8	0.9	0.9	0.8	0.8	0.8	0.8	0.9	0.9
Below Normal (6%)	0.9	0.9	0.9	0.9	0.8	0.8	0.9	0.8	0.9	0.8	0.9	0.9
Dry (13%)	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.9	0.9
Critical (25%)	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.9	0.9

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-32-1-11. Sacramento River at Rio Vista, Monthly Averaged Daily Maximum Elevation

Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	3.4	3.8	4.1	4.1	4.5	4.0	3.7	3.6	3.7	3.9	3.8	3.7
20%	3.2	3.5	3.7	3.9	4.1	3.8	3.2	3.3	3.6	3.8	3.7	3.5
30%	3.2	3.3	3.5	3.7	3.6	3.4	3.2	3.3	3.5	3.7	3.6	3.5
40%	3.2	3.3	3.5	3.5	3.5	3.4	3.1	3.3	3.5	3.7	3.6	3.4
50%	3.1	3.2	3.5	3.5	3.3	3.3	3.0	3.2	3.5	3.7	3.6	3.4
60%	3.1	3.2	3.3	3.4	3.3	3.2	3.0	3.2	3.4	3.6	3.5	3.4
70%	3.1	3.2	3.3	3.4	3.2	3.1	2.9	3.2	3.4	3.6	3.4	3.3
80%	3.0	3.1	3.3	3.2	3.1	2.9	2.9	3.1	3.3	3.6	3.4	3.2
90%	3.0	3.0	3.1	3.2	3.0	2.8	2.8	3.0	3.3	3.5	3.4	3.2
Long Term												
Full Simulation Period[a]	3.2	3.3	3.5	3.6	3.6	3.3	3.1	3.3	3.5	3.7	3.6	3.4
Water Year Types[b]												
Wet (31%)	3.3	3.7	4.0	4.0	4.2	4.0	3.4	3.5	3.8	3.9	3.7	3.8
Above Normal (25%)	3.0	3.1	3.4	4.1	4.2	3.6	3.2	3.3	3.3	3.5	3.5	3.2
Below Normal (6%)	3.1	3.2	3.1	3.6	3.5	3.3	2.9	3.1	3.2	3.4	3.3	3.2
Dry (13%)	3.1	3.2	3.4	3.3	3.2	3.2	3.0	3.3	3.5	3.7	3.6	3.3
Critical (25%)	3.2	3.2	3.4	3.3	3.1	2.9	2.9	3.1	3.4	3.6	3.5	3.4

Alternative 7 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	4.3	4.6	5.0	5.0	5.4	4.9	4.5	4.4	4.5	4.7	4.6	4.7
20%	4.2	4.4	4.5	4.8	5.0	4.7	4.1	4.2	4.4	4.6	4.5	4.4
30%	4.1	4.3	4.4	4.6	4.5	4.3	4.1	4.1	4.4	4.6	4.5	4.4
40%	4.1	4.2	4.4	4.4	4.3	4.2	4.0	4.1	4.4	4.6	4.5	4.3
50%	4.1	4.1	4.3	4.4	4.3	4.1	3.9	4.1	4.3	4.5	4.4	4.3
60%	4.1	4.1	4.2	4.3	4.1	4.1	3.9	4.1	4.3	4.5	4.4	4.3
70%	4.0	4.1	4.2	4.2	4.1	4.0	3.8	4.0	4.2	4.4	4.3	4.2
80%	4.0	4.0	4.2	4.2	4.0	3.9	3.8	4.0	4.2	4.4	4.3	4.1
90%	3.9	3.9	4.0	4.1	3.9	3.8	3.7	3.9	4.1	4.3	4.2	4.1
Long Term												
Full Simulation Period[a]	4.1	4.2	4.4	4.5	4.5	4.2	4.0	4.1	4.3	4.5	4.4	4.3
Water Year Types[b]												
Wet (31%)	4.2	4.6	4.9	4.8	5.1	4.9	4.4	4.3	4.6	4.7	4.6	4.7
Above Normal (25%)	4.0	4.0	4.3	5.0	5.1	4.5	4.1	4.1	4.2	4.4	4.3	4.2
Below Normal (6%)	4.0	4.1	4.0	4.5	4.3	4.1	3.9	4.0	4.1	4.2	4.2	4.1
Dry (13%)	4.1	4.1	4.3	4.2	4.1	4.1	3.9	4.1	4.4	4.6	4.4	4.2
Critical (25%)	4.1	4.1	4.2	4.2	4.0	3.8	3.8	4.0	4.2	4.5	4.4	4.3

Alternative 7 (LLT) minus Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0.9	0.8	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.8	1.0
20%	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.9	1.0
30%	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.9	0.9	0.9	0.9
40%	0.9	0.9	0.9	0.9	0.8	0.9	0.9	0.8	0.9	0.9	0.9	0.9
50%	0.9	0.9	0.9	0.9	0.9	0.8	0.9	0.9	0.9	0.8	0.9	0.9
60%	1.0	0.9	0.9	0.9	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.9
70%	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.9	0.9
80%	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.9	0.9
90%	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.9	0.9
Long Term												
Full Simulation Period[a]	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.9	0.9
Water Year Types[b]												
Wet (31%)	0.9	0.8	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.9	0.9
Above Normal (25%)	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.9	0.9	0.9	0.9
Below Normal (6%)	0.9	0.9	0.9	0.9	0.8	0.9	0.9	0.9	0.9	0.8	0.9	0.9
Dry (13%)	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.9	0.9	0.9
Critical (25%)	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.9	0.9

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-32-1-12. Sacramento River at Rio Vista, Monthly Averaged Daily Maximum Elevation

Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	3.4	3.8	4.1	4.1	4.5	4.0	3.7	3.6	3.7	3.9	3.8	3.7
20%	3.2	3.5	3.7	3.9	4.1	3.8	3.2	3.3	3.6	3.8	3.7	3.5
30%	3.2	3.3	3.5	3.7	3.6	3.4	3.2	3.3	3.5	3.7	3.6	3.5
40%	3.2	3.3	3.5	3.5	3.5	3.4	3.1	3.3	3.5	3.7	3.6	3.4
50%	3.1	3.2	3.5	3.5	3.3	3.3	3.0	3.2	3.5	3.7	3.6	3.4
60%	3.1	3.2	3.3	3.4	3.3	3.2	3.0	3.2	3.4	3.6	3.5	3.4
70%	3.1	3.2	3.3	3.4	3.2	3.1	2.9	3.2	3.4	3.6	3.4	3.3
80%	3.0	3.1	3.3	3.2	3.1	2.9	2.9	3.1	3.3	3.6	3.4	3.2
90%	3.0	3.0	3.1	3.2	3.0	2.8	2.8	3.0	3.3	3.5	3.4	3.2
Long Term												
Full Simulation Period[a]	3.2	3.3	3.5	3.6	3.6	3.3	3.1	3.3	3.5	3.7	3.6	3.4
Water Year Types[b]												
Wet (31%)	3.3	3.7	4.0	4.0	4.2	4.0	3.4	3.5	3.8	3.9	3.7	3.8
Above Normal (25%)	3.0	3.1	3.4	4.1	4.2	3.6	3.2	3.3	3.3	3.5	3.5	3.2
Below Normal (6%)	3.1	3.2	3.1	3.6	3.5	3.3	2.9	3.1	3.2	3.4	3.3	3.2
Dry (13%)	3.1	3.2	3.4	3.3	3.2	3.2	3.0	3.3	3.5	3.7	3.6	3.3
Critical (25%)	3.2	3.2	3.4	3.3	3.1	2.9	2.9	3.1	3.4	3.6	3.5	3.4

Alternative 8 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	4.3	4.6	5.0	5.0	5.4	4.9	4.6	4.4	4.5	4.7	4.6	4.6
20%	4.2	4.4	4.5	4.8	5.0	4.7	4.1	4.2	4.4	4.6	4.5	4.4
30%	4.1	4.3	4.4	4.6	4.5	4.3	4.1	4.2	4.4	4.6	4.5	4.4
40%	4.1	4.2	4.4	4.4	4.3	4.2	4.0	4.1	4.3	4.5	4.5	4.3
50%	4.1	4.1	4.3	4.4	4.3	4.2	3.9	4.1	4.3	4.5	4.4	4.3
60%	4.0	4.1	4.2	4.3	4.2	4.1	3.9	4.1	4.3	4.5	4.4	4.3
70%	4.0	4.0	4.2	4.3	4.1	4.0	3.9	4.0	4.2	4.4	4.3	4.2
80%	4.0	4.0	4.2	4.2	4.0	3.9	3.8	4.0	4.2	4.4	4.3	4.1
90%	3.9	3.9	4.0	4.1	4.0	3.8	3.7	3.9	4.1	4.3	4.2	4.1
Long Term												
Full Simulation Period[a]	4.1	4.2	4.4	4.5	4.5	4.3	4.0	4.1	4.3	4.5	4.4	4.3
Water Year Types[b]												
Wet (31%)	4.2	4.6	4.9	4.9	5.1	4.9	4.4	4.4	4.6	4.7	4.6	4.7
Above Normal (25%)	4.0	4.0	4.3	5.0	5.1	4.5	4.1	4.1	4.2	4.4	4.3	4.2
Below Normal (6%)	4.0	4.1	4.0	4.5	4.3	4.2	3.9	4.0	4.1	4.2	4.2	4.1
Dry (13%)	4.1	4.1	4.3	4.2	4.1	4.1	3.9	4.1	4.4	4.5	4.4	4.2
Critical (25%)	4.1	4.1	4.2	4.2	4.0	3.8	3.8	4.0	4.2	4.5	4.4	4.3

Alternative 8 (LLT) minus Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0.9	0.8	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.9
20%	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.9	0.9
30%	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.9	0.9
40%	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.9	0.9
50%	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.9	0.9
60%	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.9	0.9
70%	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.9	0.9
80%	0.9	0.9	0.9	0.9	0.9	1.0	1.0	0.9	0.9	0.8	0.9	0.9
90%	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.9	0.9
Long Term												
Full Simulation Period[a]	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.9	0.9
Water Year Types[b]												
Wet (31%)	0.9	0.8	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.9	0.9
Above Normal (25%)	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.9	0.9
Below Normal (6%)	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.9	0.9
Dry (13%)	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.9	0.9
Critical (25%)	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.9	0.9

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-32-1-13. Sacramento River at Rio Vista, Monthly Averaged Daily Maximum Elevation

Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	3.4	3.8	4.1	4.1	4.5	4.0	3.7	3.6	3.7	3.9	3.8	3.7
20%	3.2	3.5	3.7	3.9	4.1	3.8	3.2	3.3	3.6	3.8	3.7	3.5
30%	3.2	3.3	3.5	3.7	3.6	3.4	3.2	3.3	3.5	3.7	3.6	3.5
40%	3.2	3.3	3.5	3.5	3.5	3.4	3.1	3.3	3.5	3.7	3.6	3.4
50%	3.1	3.2	3.5	3.5	3.3	3.3	3.0	3.2	3.5	3.7	3.6	3.4
60%	3.1	3.2	3.3	3.4	3.3	3.2	3.0	3.2	3.4	3.6	3.5	3.4
70%	3.1	3.2	3.3	3.4	3.2	3.1	2.9	3.2	3.4	3.6	3.4	3.3
80%	3.0	3.1	3.3	3.2	3.1	2.9	2.9	3.1	3.3	3.6	3.4	3.2
90%	3.0	3.0	3.1	3.2	3.0	2.8	2.8	3.0	3.3	3.5	3.4	3.2
Long Term												
Full Simulation Period[a]	3.2	3.3	3.5	3.6	3.6	3.3	3.1	3.3	3.5	3.7	3.6	3.4
Water Year Types[b]												
Wet (31%)	3.3	3.7	4.0	4.0	4.2	4.0	3.4	3.5	3.8	3.9	3.7	3.8
Above Normal (25%)	3.0	3.1	3.4	4.1	4.2	3.6	3.2	3.3	3.3	3.5	3.5	3.2
Below Normal (6%)	3.1	3.2	3.1	3.6	3.5	3.3	2.9	3.1	3.2	3.4	3.3	3.2
Dry (13%)	3.1	3.2	3.4	3.3	3.2	3.2	3.0	3.3	3.5	3.7	3.6	3.3
Critical (25%)	3.2	3.2	3.4	3.3	3.1	2.9	2.9	3.1	3.4	3.6	3.5	3.4

Alternative 9 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	4.3	4.7	5.0	5.1	5.4	4.9	4.6	4.4	4.5	4.8	4.6	4.7
20%	4.2	4.4	4.5	4.8	5.1	4.8	4.1	4.2	4.5	4.6	4.5	4.5
30%	4.1	4.3	4.4	4.6	4.5	4.3	4.1	4.2	4.4	4.6	4.5	4.4
40%	4.1	4.2	4.3	4.4	4.3	4.3	4.0	4.1	4.4	4.6	4.5	4.4
50%	4.1	4.1	4.3	4.4	4.2	4.2	3.9	4.1	4.4	4.6	4.5	4.3
60%	4.1	4.1	4.2	4.3	4.2	4.1	3.9	4.1	4.3	4.5	4.4	4.3
70%	4.0	4.1	4.2	4.2	4.1	4.0	3.9	4.1	4.2	4.5	4.4	4.3
80%	4.0	4.1	4.1	4.2	4.0	3.9	3.8	4.0	4.2	4.5	4.3	4.2
90%	3.9	3.9	4.0	4.1	3.9	3.8	3.7	3.9	4.2	4.3	4.3	4.1
Long Term												
Full Simulation Period[a]	4.1	4.2	4.4	4.5	4.5	4.3	4.0	4.2	4.4	4.5	4.5	4.4
Water Year Types[b]												
Wet (31%)	4.3	4.6	4.9	4.9	5.1	4.9	4.4	4.4	4.6	4.7	4.6	4.7
Above Normal (25%)	4.0	4.0	4.3	5.1	5.2	4.6	4.1	4.1	4.2	4.4	4.4	4.2
Below Normal (6%)	4.0	4.1	4.0	4.5	4.3	4.2	3.9	4.0	4.1	4.2	4.2	4.1
Dry (13%)	4.1	4.1	4.2	4.2	4.1	4.1	3.9	4.2	4.4	4.6	4.5	4.3
Critical (25%)	4.1	4.2	4.3	4.2	4.0	3.8	3.8	4.0	4.3	4.5	4.4	4.3

Alternative 9 (LLT) minus Existing Condition

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0.9	0.8	0.9	0.9	1.0	1.0	0.9	0.9	0.9	0.9	0.9	1.0
20%	1.0	0.9	0.9	0.9	1.0	1.0	0.9	0.9	0.9	0.9	0.9	1.0
30%	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
40%	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.9	0.9	0.9	0.9
50%	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
60%	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
70%	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.9	0.9
80%	1.0	0.9	0.9	0.9	0.9	1.0	1.0	0.9	0.9	0.9	0.9	0.9
90%	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.0
Long Term												
Full Simulation Period[a]	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Water Year Types[b]												
Wet (31%)	0.9	0.9	0.9	0.9	1.0	1.0	0.9	0.8	0.8	0.8	0.9	1.0
Above Normal (25%)	0.9	0.9	0.9	0.9	1.0	1.0	0.9	0.8	0.9	0.9	0.9	1.0
Below Normal (6%)	0.9	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.9	0.9
Dry (13%)	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Critical (25%)	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-32-1-14. Sacramento River at Rio Vista, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.8	5.3	5.6	5.6	6.0	5.4	5.1	5.0	5.1	5.4	5.3	5.3
20%	4.7	4.9	5.2	5.4	5.7	5.3	4.7	4.8	5.1	5.3	5.1	5.0
30%	4.7	4.9	5.0	5.2	5.1	4.9	4.7	4.8	5.0	5.3	5.1	5.0
40%	4.7	4.8	4.9	5.0	4.9	4.8	4.6	4.7	5.0	5.2	5.1	4.9
50%	4.6	4.7	4.9	5.0	4.8	4.7	4.5	4.7	5.0	5.2	5.1	4.9
60%	4.6	4.7	4.8	4.9	4.8	4.7	4.4	4.7	4.9	5.2	5.0	4.9
70%	4.6	4.7	4.8	4.8	4.7	4.6	4.4	4.7	4.9	5.1	4.9	4.8
80%	4.6	4.7	4.8	4.8	4.6	4.4	4.4	4.6	4.9	5.1	4.9	4.7
90%	4.5	4.5	4.6	4.7	4.5	4.3	4.3	4.5	4.8	5.0	4.9	4.7
Long Term												
Full Simulation Period[a]	4.7	4.8	5.0	5.1	5.0	4.8	4.6	4.8	5.0	5.2	5.1	4.9
Water Year Types[b]												
Wet (31%)	4.8	5.2	5.5	5.5	5.7	5.4	4.9	5.0	5.2	5.4	5.2	5.3
Above Normal (25%)	4.5	4.6	4.9	5.6	5.7	5.1	4.7	4.7	4.8	5.1	5.0	4.8
Below Normal (6%)	4.6	4.7	4.6	5.1	4.9	4.7	4.4	4.6	4.7	4.9	4.8	4.7
Dry (13%)	4.6	4.7	4.9	4.8	4.7	4.6	4.5	4.8	5.0	5.2	5.1	4.8
Critical (25%)	4.7	4.7	4.9	4.8	4.6	4.4	4.4	4.7	4.9	5.2	5.0	4.9

Alternative 1A,1B,1C (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.3	4.6	4.9	5.0	5.4	4.9	4.5	4.4	4.5	4.7	4.6	4.6
20%	4.2	4.3	4.5	4.8	5.0	4.7	4.1	4.2	4.4	4.6	4.5	4.4
30%	4.1	4.2	4.4	4.6	4.5	4.2	4.1	4.2	4.4	4.6	4.5	4.3
40%	4.1	4.2	4.3	4.4	4.3	4.2	4.0	4.1	4.3	4.6	4.5	4.3
50%	4.1	4.2	4.3	4.4	4.2	4.1	3.9	4.1	4.3	4.5	4.4	4.3
60%	4.1	4.1	4.2	4.3	4.1	4.1	3.9	4.1	4.2	4.5	4.4	4.3
70%	4.0	4.0	4.2	4.2	4.1	4.0	3.8	4.0	4.2	4.4	4.3	4.2
80%	4.0	4.0	4.1	4.1	4.0	3.9	3.8	3.9	4.2	4.4	4.3	4.1
90%	4.0	3.9	4.0	4.0	3.9	3.8	3.7	3.9	4.1	4.3	4.2	4.1
Long Term												
Full Simulation Period[a]	4.1	4.2	4.4	4.5	4.4	4.2	4.0	4.1	4.3	4.5	4.4	4.3
Water Year Types[b]												
Wet (31%)	4.2	4.6	4.9	4.8	5.1	4.9	4.4	4.3	4.6	4.7	4.6	4.6
Above Normal (25%)	4.0	4.0	4.3	5.0	5.1	4.5	4.1	4.1	4.2	4.4	4.3	4.1
Below Normal (6%)	4.1	4.1	4.0	4.5	4.2	4.1	3.8	3.9	4.1	4.2	4.2	4.1
Dry (13%)	4.1	4.1	4.2	4.2	4.1	4.0	3.9	4.1	4.4	4.6	4.4	4.2
Critical (25%)	4.1	4.1	4.2	4.2	4.0	3.8	3.8	4.0	4.2	4.5	4.4	4.3

Alternative 1A,1B,1C (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-0.5	-0.6	-0.6	-0.7	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.7
20%	-0.6	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6	-0.7	-0.7	-0.7	-0.6	-0.6
30%	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6
40%	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6
50%	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.6	-0.6
60%	-0.5	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.6	-0.6
70%	-0.5	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.6	-0.6
80%	-0.5	-0.7	-0.6	-0.7	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.6	-0.6
90%	-0.5	-0.6	-0.6	-0.6	-0.6	-0.5	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6
Long Term												
Full Simulation Period[a]	-0.5	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6
Water Year Types[b]												
Wet (31%)	-0.6	-0.6	-0.6	-0.6	-0.6	-0.5	-0.6	-0.6	-0.6	-0.7	-0.6	-0.7
Above Normal (25%)	-0.5	-0.6	-0.6	-0.7	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6
Below Normal (6%)	-0.5	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6
Dry (13%)	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6
Critical (25%)	-0.5	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.6	-0.6

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-32-1-15. Sacramento River at Rio Vista, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.8	5.3	5.6	5.6	6.0	5.4	5.1	5.0	5.1	5.4	5.3	5.3
20%	4.7	4.9	5.2	5.4	5.7	5.3	4.7	4.8	5.1	5.3	5.1	5.0
30%	4.7	4.9	5.0	5.2	5.1	4.9	4.7	4.8	5.0	5.3	5.1	5.0
40%	4.7	4.8	4.9	5.0	4.9	4.8	4.6	4.7	5.0	5.2	5.1	4.9
50%	4.6	4.7	4.9	5.0	4.8	4.7	4.5	4.7	5.0	5.2	5.1	4.9
60%	4.6	4.7	4.8	4.9	4.8	4.7	4.4	4.7	4.9	5.2	5.0	4.9
70%	4.6	4.7	4.8	4.8	4.7	4.6	4.4	4.7	4.9	5.1	4.9	4.8
80%	4.6	4.7	4.8	4.8	4.6	4.4	4.4	4.6	4.9	5.1	4.9	4.7
90%	4.5	4.5	4.6	4.7	4.5	4.3	4.3	4.5	4.8	5.0	4.9	4.7
Long Term												
Full Simulation Period[a]	4.7	4.8	5.0	5.1	5.0	4.8	4.6	4.8	5.0	5.2	5.1	4.9
Water Year Types[b]												
Wet (31%)	4.8	5.2	5.5	5.5	5.7	5.4	4.9	5.0	5.2	5.4	5.2	5.3
Above Normal (25%)	4.5	4.6	4.9	5.6	5.7	5.1	4.7	4.7	4.8	5.1	5.0	4.8
Below Normal (6%)	4.6	4.7	4.6	5.1	4.9	4.7	4.4	4.6	4.7	4.9	4.8	4.7
Dry (13%)	4.6	4.7	4.9	4.8	4.7	4.6	4.5	4.8	5.0	5.2	5.1	4.8
Critical (25%)	4.7	4.7	4.9	4.8	4.6	4.4	4.4	4.7	4.9	5.2	5.0	4.9

Alternative 2A,2B,2C (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.3	4.6	4.9	5.0	5.4	4.9	4.5	4.4	4.5	4.7	4.6	4.6
20%	4.2	4.3	4.5	4.8	5.0	4.7	4.1	4.2	4.4	4.6	4.5	4.4
30%	4.1	4.2	4.4	4.6	4.5	4.2	4.1	4.2	4.4	4.6	4.5	4.4
40%	4.1	4.2	4.4	4.4	4.3	4.2	4.0	4.1	4.3	4.6	4.5	4.3
50%	4.1	4.1	4.3	4.4	4.2	4.1	3.9	4.1	4.3	4.5	4.4	4.3
60%	4.0	4.1	4.2	4.3	4.1	4.1	3.9	4.1	4.2	4.5	4.4	4.3
70%	4.0	4.0	4.2	4.2	4.1	4.0	3.8	4.0	4.2	4.5	4.3	4.2
80%	4.0	4.0	4.1	4.2	4.0	3.9	3.8	3.9	4.2	4.4	4.3	4.1
90%	3.9	3.9	4.0	4.1	3.9	3.7	3.7	3.9	4.1	4.3	4.2	4.1
Long Term												
Full Simulation Period[a]	4.1	4.2	4.4	4.5	4.4	4.2	4.0	4.1	4.3	4.5	4.4	4.3
Water Year Types[b]												
Wet (31%)	4.2	4.5	4.9	4.8	5.1	4.9	4.4	4.3	4.6	4.7	4.6	4.7
Above Normal (25%)	4.0	4.0	4.3	5.0	5.1	4.5	4.0	4.1	4.1	4.4	4.3	4.2
Below Normal (6%)	4.0	4.1	4.0	4.5	4.2	4.1	3.9	3.9	4.1	4.2	4.2	4.1
Dry (13%)	4.1	4.1	4.2	4.2	4.1	4.0	3.9	4.1	4.4	4.6	4.4	4.2
Critical (25%)	4.1	4.1	4.2	4.2	4.0	3.8	3.8	4.0	4.2	4.5	4.4	4.3

Alternative 2A,2B,2C (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.7
20%	-0.6	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6	-0.6	-0.7	-0.7	-0.6	-0.6
30%	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6
40%	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6
50%	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.6	-0.6
60%	-0.5	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.6	-0.6
70%	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.6	-0.6
80%	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.6	-0.6
90%	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6
Long Term												
Full Simulation Period[a]	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6
Water Year Types[b]												
Wet (31%)	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6
Above Normal (25%)	-0.6	-0.6	-0.6	-0.7	-0.7	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.6
Below Normal (6%)	-0.6	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.6
Dry (13%)	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6
Critical (25%)	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.6	-0.6

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-32-1-16. Sacramento River at Rio Vista, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.8	5.3	5.6	5.6	6.0	5.4	5.1	5.0	5.1	5.4	5.3	5.3
20%	4.7	4.9	5.2	5.4	5.7	5.3	4.7	4.8	5.1	5.3	5.1	5.0
30%	4.7	4.9	5.0	5.2	5.1	4.9	4.7	4.8	5.0	5.3	5.1	5.0
40%	4.7	4.8	4.9	5.0	4.9	4.8	4.6	4.7	5.0	5.2	5.1	4.9
50%	4.6	4.7	4.9	5.0	4.8	4.7	4.5	4.7	5.0	5.2	5.1	4.9
60%	4.6	4.7	4.8	4.9	4.8	4.7	4.4	4.7	4.9	5.2	5.0	4.9
70%	4.6	4.7	4.8	4.8	4.7	4.6	4.4	4.7	4.9	5.1	4.9	4.8
80%	4.6	4.7	4.8	4.8	4.6	4.4	4.4	4.6	4.9	5.1	4.9	4.7
90%	4.5	4.5	4.6	4.7	4.5	4.3	4.3	4.5	4.8	5.0	4.9	4.7
Long Term												
Full Simulation Period[a]	4.7	4.8	5.0	5.1	5.0	4.8	4.6	4.8	5.0	5.2	5.1	4.9
Water Year Types[b]												
Wet (31%)	4.8	5.2	5.5	5.5	5.7	5.4	4.9	5.0	5.2	5.4	5.2	5.3
Above Normal (25%)	4.5	4.6	4.9	5.6	5.7	5.1	4.7	4.7	4.8	5.1	5.0	4.8
Below Normal (6%)	4.6	4.7	4.6	5.1	4.9	4.7	4.4	4.6	4.7	4.9	4.8	4.7
Dry (13%)	4.6	4.7	4.9	4.8	4.7	4.6	4.5	4.8	5.0	5.2	5.1	4.8
Critical (25%)	4.7	4.7	4.9	4.8	4.6	4.4	4.4	4.7	4.9	5.2	5.0	4.9

Alternative 3 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.3	4.6	5.0	5.0	5.4	4.9	4.5	4.4	4.5	4.7	4.6	4.6
20%	4.1	4.3	4.5	4.8	5.0	4.7	4.1	4.2	4.5	4.6	4.5	4.4
30%	4.1	4.2	4.4	4.6	4.5	4.3	4.1	4.2	4.4	4.6	4.5	4.3
40%	4.1	4.2	4.3	4.4	4.3	4.2	4.0	4.1	4.3	4.6	4.5	4.3
50%	4.1	4.1	4.3	4.4	4.2	4.1	3.9	4.1	4.3	4.5	4.4	4.3
60%	4.1	4.1	4.2	4.3	4.1	4.1	3.9	4.1	4.2	4.5	4.4	4.3
70%	4.0	4.0	4.2	4.2	4.1	4.0	3.8	4.0	4.2	4.5	4.3	4.2
80%	4.0	4.0	4.1	4.2	4.0	3.9	3.8	3.9	4.2	4.4	4.3	4.1
90%	4.0	3.9	4.0	4.1	3.9	3.8	3.7	3.9	4.1	4.3	4.2	4.1
Long Term												
Full Simulation Period[a]	4.1	4.2	4.4	4.5	4.5	4.3	4.0	4.1	4.3	4.5	4.4	4.3
Water Year Types[b]												
Wet (31%)	4.2	4.6	4.9	4.9	5.1	4.9	4.4	4.3	4.6	4.7	4.6	4.6
Above Normal (25%)	4.0	4.0	4.3	5.0	5.1	4.5	4.1	4.1	4.1	4.4	4.3	4.1
Below Normal (6%)	4.0	4.0	4.0	4.5	4.3	4.1	3.8	3.9	4.1	4.2	4.2	4.1
Dry (13%)	4.1	4.1	4.2	4.2	4.1	4.1	3.9	4.1	4.4	4.6	4.4	4.2
Critical (25%)	4.1	4.1	4.2	4.2	4.0	3.8	3.8	4.0	4.2	4.5	4.4	4.3

Alternative 3 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-0.5	-0.6	-0.6	-0.6	-0.5	-0.5	-0.6	-0.6	-0.6	-0.7	-0.7	-0.7
20%	-0.6	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6	-0.7	-0.7	-0.7	-0.6	-0.6
30%	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6
40%	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6
50%	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6
60%	-0.5	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6
70%	-0.5	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.6	-0.6
80%	-0.5	-0.7	-0.6	-0.7	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.6	-0.6
90%	-0.5	-0.6	-0.6	-0.6	-0.6	-0.5	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6
Long Term												
Full Simulation Period[a]	-0.5	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6
Water Year Types[b]												
Wet (31%)	-0.6	-0.6	-0.6	-0.6	-0.5	-0.5	-0.6	-0.6	-0.6	-0.7	-0.6	-0.7
Above Normal (25%)	-0.5	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.6
Below Normal (6%)	-0.5	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6
Dry (13%)	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6
Critical (25%)	-0.5	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.6	-0.6

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-32-1-17. Sacramento River at Rio Vista, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.8	5.3	5.6	5.6	6.0	5.4	5.1	5.0	5.1	5.4	5.3	5.3
20%	4.7	4.9	5.2	5.4	5.7	5.3	4.7	4.8	5.1	5.3	5.1	5.0
30%	4.7	4.9	5.0	5.2	5.1	4.9	4.7	4.8	5.0	5.3	5.1	5.0
40%	4.7	4.8	4.9	5.0	4.9	4.8	4.6	4.7	5.0	5.2	5.1	4.9
50%	4.6	4.7	4.9	5.0	4.8	4.7	4.5	4.7	5.0	5.2	5.1	4.9
60%	4.6	4.7	4.8	4.9	4.8	4.7	4.4	4.7	4.9	5.2	5.0	4.9
70%	4.6	4.7	4.8	4.8	4.7	4.6	4.4	4.7	4.9	5.1	4.9	4.8
80%	4.6	4.7	4.8	4.8	4.6	4.4	4.4	4.6	4.9	5.1	4.9	4.7
90%	4.5	4.5	4.6	4.7	4.5	4.3	4.3	4.5	4.8	5.0	4.9	4.7
Long Term												
Full Simulation Period[a]	4.7	4.8	5.0	5.1	5.0	4.8	4.6	4.8	5.0	5.2	5.1	4.9
Water Year Types[b]												
Wet (31%)	4.8	5.2	5.5	5.5	5.7	5.4	4.9	5.0	5.2	5.4	5.2	5.3
Above Normal (25%)	4.5	4.6	4.9	5.6	5.7	5.1	4.7	4.7	4.8	5.1	5.0	4.8
Below Normal (6%)	4.6	4.7	4.6	5.1	4.9	4.7	4.4	4.6	4.7	4.9	4.8	4.7
Dry (13%)	4.6	4.7	4.9	4.8	4.7	4.6	4.5	4.8	5.0	5.2	5.1	4.8
Critical (25%)	4.7	4.7	4.9	4.8	4.6	4.4	4.4	4.7	4.9	5.2	5.0	4.9

Alternative 4 H1 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.3	4.6	5.0	5.0	5.4	4.9	4.5	4.4	4.5	4.7	4.6	4.6
20%	4.2	4.3	4.5	4.8	5.0	4.7	4.1	4.2	4.5	4.6	4.5	4.4
30%	4.1	4.2	4.4	4.6	4.5	4.3	4.1	4.2	4.4	4.6	4.5	4.3
40%	4.1	4.2	4.4	4.4	4.3	4.2	4.0	4.1	4.3	4.6	4.5	4.3
50%	4.1	4.1	4.3	4.4	4.2	4.1	3.9	4.1	4.3	4.5	4.4	4.3
60%	4.0	4.0	4.2	4.3	4.1	4.1	3.9	4.1	4.2	4.5	4.4	4.3
70%	4.0	4.0	4.2	4.3	4.1	4.0	3.8	4.0	4.2	4.5	4.3	4.2
80%	4.0	4.0	4.1	4.2	4.0	3.9	3.8	4.0	4.2	4.4	4.3	4.1
90%	3.9	3.9	4.0	4.1	3.9	3.7	3.7	3.9	4.1	4.3	4.2	4.1
Long Term												
Full Simulation Period[a]	4.1	4.2	4.4	4.5	4.5	4.2	4.0	4.1	4.3	4.5	4.4	4.3
Water Year Types[b]												
Wet (31%)	4.2	4.6	4.9	4.8	5.1	4.9	4.4	4.3	4.5	4.7	4.6	4.6
Above Normal (25%)	4.0	4.0	4.3	5.0	5.1	4.5	4.1	4.1	4.1	4.4	4.3	4.1
Below Normal (6%)	4.0	4.0	4.0	4.5	4.3	4.1	3.9	4.0	4.1	4.2	4.2	4.1
Dry (13%)	4.1	4.1	4.3	4.2	4.1	4.0	3.9	4.1	4.4	4.6	4.4	4.2
Critical (25%)	4.1	4.1	4.2	4.2	4.0	3.8	3.8	4.0	4.2	4.5	4.4	4.3

Alternative 4 H1 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-0.6	-0.6	-0.6	-0.6	-0.5	-0.5	-0.6	-0.6	-0.7	-0.7	-0.7	-0.8
20%	-0.6	-0.6	-0.7	-0.6	-0.7	-0.6	-0.6	-0.7	-0.7	-0.7	-0.6	-0.6
30%	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6
40%	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6
50%	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.6	-0.6
60%	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.6	-0.6
70%	-0.5	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.6	-0.6
80%	-0.6	-0.7	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.6	-0.6
90%	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6
Long Term												
Full Simulation Period[a]	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.6	-0.6
Water Year Types[b]												
Wet (31%)	-0.6	-0.6	-0.6	-0.6	-0.6	-0.5	-0.6	-0.6	-0.7	-0.7	-0.6	-0.7
Above Normal (25%)	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6
Below Normal (6%)	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.6
Dry (13%)	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.6	-0.6
Critical (25%)	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.6	-0.6

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-32-1-18. Sacramento River at Rio Vista, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.8	5.3	5.6	5.6	6.0	5.4	5.1	5.0	5.1	5.4	5.3	5.3
20%	4.7	4.9	5.2	5.4	5.7	5.3	4.7	4.8	5.1	5.3	5.1	5.0
30%	4.7	4.9	5.0	5.2	5.1	4.9	4.7	4.8	5.0	5.3	5.1	5.0
40%	4.7	4.8	4.9	5.0	4.9	4.8	4.6	4.7	5.0	5.2	5.1	4.9
50%	4.6	4.7	4.9	5.0	4.8	4.7	4.5	4.7	5.0	5.2	5.1	4.9
60%	4.6	4.7	4.8	4.9	4.8	4.7	4.4	4.7	4.9	5.2	5.0	4.9
70%	4.6	4.7	4.8	4.8	4.7	4.6	4.4	4.7	4.9	5.1	4.9	4.8
80%	4.6	4.7	4.8	4.8	4.6	4.4	4.4	4.6	4.9	5.1	4.9	4.7
90%	4.5	4.5	4.6	4.7	4.5	4.3	4.3	4.5	4.8	5.0	4.9	4.7
Long Term												
Full Simulation Period[a]	4.7	4.8	5.0	5.1	5.0	4.8	4.6	4.8	5.0	5.2	5.1	4.9
Water Year Types[b]												
Wet (31%)	4.8	5.2	5.5	5.5	5.7	5.4	4.9	5.0	5.2	5.4	5.2	5.3
Above Normal (25%)	4.5	4.6	4.9	5.6	5.7	5.1	4.7	4.7	4.8	5.1	5.0	4.8
Below Normal (6%)	4.6	4.7	4.6	5.1	4.9	4.7	4.4	4.6	4.7	4.9	4.8	4.7
Dry (13%)	4.6	4.7	4.9	4.8	4.7	4.6	4.5	4.8	5.0	5.2	5.1	4.8
Critical (25%)	4.7	4.7	4.9	4.8	4.6	4.4	4.4	4.7	4.9	5.2	5.0	4.9

Alternative 4 H2 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.3	4.6	5.0	5.0	5.4	4.9	4.5	4.4	4.5	4.7	4.6	4.6
20%	4.2	4.3	4.5	4.8	5.0	4.7	4.1	4.2	4.4	4.6	4.5	4.4
30%	4.1	4.2	4.4	4.6	4.5	4.3	4.1	4.2	4.4	4.6	4.5	4.3
40%	4.1	4.2	4.3	4.4	4.3	4.2	4.0	4.1	4.3	4.6	4.5	4.3
50%	4.1	4.1	4.3	4.4	4.2	4.1	3.9	4.1	4.3	4.5	4.4	4.3
60%	4.1	4.0	4.2	4.3	4.1	4.1	3.9	4.1	4.2	4.5	4.4	4.3
70%	4.0	4.0	4.2	4.2	4.1	4.0	3.9	4.0	4.2	4.4	4.3	4.2
80%	4.0	4.0	4.1	4.2	4.0	3.9	3.9	4.0	4.2	4.4	4.3	4.1
90%	3.9	3.9	4.0	4.1	3.9	3.8	3.7	3.9	4.1	4.3	4.2	4.1
Long Term												
Full Simulation Period[a]	4.1	4.2	4.4	4.5	4.5	4.2	4.0	4.1	4.3	4.5	4.4	4.3
Water Year Types[b]												
Wet (31%)	4.2	4.6	4.9	4.8	5.1	4.9	4.4	4.3	4.5	4.7	4.6	4.6
Above Normal (25%)	4.0	4.0	4.3	5.0	5.1	4.5	4.1	4.1	4.1	4.4	4.3	4.1
Below Normal (6%)	4.0	4.0	4.0	4.5	4.3	4.1	3.9	4.0	4.1	4.2	4.2	4.1
Dry (13%)	4.1	4.1	4.2	4.2	4.1	4.1	3.9	4.1	4.4	4.5	4.4	4.2
Critical (25%)	4.1	4.1	4.2	4.2	4.0	3.8	3.8	4.0	4.2	4.5	4.4	4.3

Alternative 4 H2 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-0.5	-0.6	-0.6	-0.6	-0.5	-0.5	-0.6	-0.6	-0.7	-0.7	-0.7	-0.7
20%	-0.6	-0.6	-0.7	-0.6	-0.7	-0.6	-0.6	-0.7	-0.7	-0.7	-0.6	-0.6
30%	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.6	-0.6
40%	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6
50%	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6	-0.5	-0.6	-0.7	-0.7	-0.6	-0.6
60%	-0.5	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.6	-0.6
70%	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.6	-0.6
80%	-0.6	-0.7	-0.6	-0.6	-0.6	-0.6	-0.5	-0.6	-0.7	-0.7	-0.6	-0.6
90%	-0.6	-0.6	-0.6	-0.6	-0.6	-0.5	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6
Long Term												
Full Simulation Period[a]	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.6	-0.6
Water Year Types[b]												
Wet (31%)	-0.6	-0.6	-0.6	-0.6	-0.6	-0.5	-0.5	-0.6	-0.7	-0.7	-0.6	-0.7
Above Normal (25%)	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.5	-0.6	-0.6	-0.7	-0.6	-0.6
Below Normal (6%)	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.6
Dry (13%)	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.6	-0.6
Critical (25%)	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.6	-0.6

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-32-1-19. Sacramento River at Rio Vista, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.8	5.3	5.6	5.6	6.0	5.4	5.1	5.0	5.1	5.4	5.3	5.3
20%	4.7	4.9	5.2	5.4	5.7	5.3	4.7	4.8	5.1	5.3	5.1	5.0
30%	4.7	4.9	5.0	5.2	5.1	4.9	4.7	4.8	5.0	5.3	5.1	5.0
40%	4.7	4.8	4.9	5.0	4.9	4.8	4.6	4.7	5.0	5.2	5.1	4.9
50%	4.6	4.7	4.9	5.0	4.8	4.7	4.5	4.7	5.0	5.2	5.1	4.9
60%	4.6	4.7	4.8	4.9	4.8	4.7	4.4	4.7	4.9	5.2	5.0	4.9
70%	4.6	4.7	4.8	4.8	4.7	4.6	4.4	4.7	4.9	5.1	4.9	4.8
80%	4.6	4.7	4.8	4.8	4.6	4.4	4.4	4.6	4.9	5.1	4.9	4.7
90%	4.5	4.5	4.6	4.7	4.5	4.3	4.3	4.5	4.8	5.0	4.9	4.7
Long Term												
Full Simulation Period[a]	4.7	4.8	5.0	5.1	5.0	4.8	4.6	4.8	5.0	5.2	5.1	4.9
Water Year Types[b]												
Wet (31%)	4.8	5.2	5.5	5.5	5.7	5.4	4.9	5.0	5.2	5.4	5.2	5.3
Above Normal (25%)	4.5	4.6	4.9	5.6	5.7	5.1	4.7	4.7	4.8	5.1	5.0	4.8
Below Normal (6%)	4.6	4.7	4.6	5.1	4.9	4.7	4.4	4.6	4.7	4.9	4.8	4.7
Dry (13%)	4.6	4.7	4.9	4.8	4.7	4.6	4.5	4.8	5.0	5.2	5.1	4.8
Critical (25%)	4.7	4.7	4.9	4.8	4.6	4.4	4.4	4.7	4.9	5.2	5.0	4.9

Alternative 4 H3 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.3	4.6	4.9	5.0	5.4	4.9	4.5	4.4	4.5	4.7	4.6	4.7
20%	4.2	4.3	4.5	4.8	5.0	4.7	4.1	4.2	4.5	4.6	4.5	4.4
30%	4.1	4.2	4.4	4.6	4.5	4.3	4.1	4.2	4.4	4.6	4.5	4.4
40%	4.1	4.2	4.4	4.4	4.3	4.2	4.0	4.1	4.3	4.6	4.5	4.3
50%	4.1	4.1	4.3	4.4	4.2	4.1	3.9	4.1	4.3	4.5	4.4	4.3
60%	4.1	4.1	4.2	4.3	4.1	4.1	3.9	4.1	4.2	4.5	4.4	4.3
70%	4.0	4.0	4.2	4.2	4.1	4.0	3.8	4.0	4.2	4.5	4.3	4.2
80%	4.0	4.0	4.1	4.2	4.0	3.9	3.8	4.0	4.2	4.4	4.3	4.1
90%	3.9	3.9	4.0	4.1	3.9	3.7	3.7	3.9	4.1	4.3	4.2	4.1
Long Term												
Full Simulation Period[a]	4.1	4.2	4.4	4.5	4.4	4.2	4.0	4.1	4.3	4.5	4.4	4.3
Water Year Types[b]												
Wet (31%)	4.2	4.6	4.9	4.8	5.1	4.9	4.4	4.3	4.5	4.7	4.6	4.7
Above Normal (25%)	4.0	4.0	4.3	5.0	5.1	4.5	4.1	4.1	4.1	4.4	4.3	4.2
Below Normal (6%)	4.0	4.1	4.0	4.5	4.3	4.1	3.9	4.0	4.1	4.2	4.2	4.1
Dry (13%)	4.1	4.1	4.2	4.2	4.1	4.0	3.9	4.1	4.4	4.6	4.4	4.2
Critical (25%)	4.1	4.1	4.2	4.2	4.0	3.8	3.8	4.0	4.2	4.5	4.4	4.3

Alternative 4 H3 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-0.6	-0.6	-0.6	-0.6	-0.6	-0.5	-0.6	-0.6	-0.7	-0.7	-0.7	-0.7
20%	-0.6	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6	-0.7	-0.7	-0.7	-0.6	-0.6
30%	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6
40%	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6
50%	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.6	-0.6
60%	-0.5	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.6	-0.6
70%	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.6	-0.6
80%	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.6	-0.6
90%	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6
Long Term												
Full Simulation Period[a]	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.6	-0.6
Water Year Types[b]												
Wet (31%)	-0.6	-0.6	-0.6	-0.6	-0.6	-0.5	-0.6	-0.6	-0.7	-0.7	-0.6	-0.6
Above Normal (25%)	-0.5	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6
Below Normal (6%)	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.6
Dry (13%)	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.6	-0.6
Critical (25%)	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.6	-0.6

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-32-1-20. Sacramento River at Rio Vista, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.8	5.3	5.6	5.6	6.0	5.4	5.1	5.0	5.1	5.4	5.3	5.3
20%	4.7	4.9	5.2	5.4	5.7	5.3	4.7	4.8	5.1	5.3	5.1	5.0
30%	4.7	4.9	5.0	5.2	5.1	4.9	4.7	4.8	5.0	5.3	5.1	5.0
40%	4.7	4.8	4.9	5.0	4.9	4.8	4.6	4.7	5.0	5.2	5.1	4.9
50%	4.6	4.7	4.9	5.0	4.8	4.7	4.5	4.7	5.0	5.2	5.1	4.9
60%	4.6	4.7	4.8	4.9	4.8	4.7	4.4	4.7	4.9	5.2	5.0	4.9
70%	4.6	4.7	4.8	4.8	4.7	4.6	4.4	4.7	4.9	5.1	4.9	4.8
80%	4.6	4.7	4.8	4.8	4.6	4.4	4.4	4.6	4.9	5.1	4.9	4.7
90%	4.5	4.5	4.6	4.7	4.5	4.3	4.3	4.5	4.8	5.0	4.9	4.7
Long Term												
Full Simulation Period[a]	4.7	4.8	5.0	5.1	5.0	4.8	4.6	4.8	5.0	5.2	5.1	4.9
Water Year Types[b]												
Wet (31%)	4.8	5.2	5.5	5.5	5.7	5.4	4.9	5.0	5.2	5.4	5.2	5.3
Above Normal (25%)	4.5	4.6	4.9	5.6	5.7	5.1	4.7	4.7	4.8	5.1	5.0	4.8
Below Normal (6%)	4.6	4.7	4.6	5.1	4.9	4.7	4.4	4.6	4.7	4.9	4.8	4.7
Dry (13%)	4.6	4.7	4.9	4.8	4.7	4.6	4.5	4.8	5.0	5.2	5.1	4.8
Critical (25%)	4.7	4.7	4.9	4.8	4.6	4.4	4.4	4.7	4.9	5.2	5.0	4.9

Alternative 4 H4 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.3	4.6	4.9	5.0	5.4	4.9	4.5	4.4	4.5	4.7	4.6	4.6
20%	4.2	4.3	4.5	4.8	5.0	4.7	4.1	4.2	4.4	4.6	4.5	4.4
30%	4.1	4.2	4.4	4.6	4.5	4.3	4.1	4.2	4.4	4.6	4.5	4.4
40%	4.1	4.2	4.3	4.4	4.3	4.2	4.0	4.1	4.3	4.6	4.5	4.3
50%	4.1	4.1	4.3	4.4	4.2	4.1	3.9	4.1	4.3	4.5	4.4	4.3
60%	4.1	4.1	4.2	4.3	4.1	4.1	3.9	4.1	4.2	4.5	4.4	4.3
70%	4.0	4.0	4.2	4.2	4.1	4.0	3.9	4.0	4.2	4.4	4.3	4.2
80%	4.0	4.0	4.1	4.2	4.0	3.9	3.9	4.0	4.2	4.4	4.3	4.1
90%	3.9	3.9	4.0	4.1	3.9	3.7	3.7	3.9	4.1	4.3	4.2	4.1
Long Term												
Full Simulation Period[a]	4.1	4.2	4.4	4.5	4.5	4.2	4.0	4.1	4.3	4.5	4.4	4.3
Water Year Types[b]												
Wet (31%)	4.2	4.5	4.9	4.8	5.1	4.9	4.4	4.3	4.5	4.7	4.6	4.7
Above Normal (25%)	4.0	4.0	4.3	5.0	5.1	4.5	4.1	4.1	4.1	4.4	4.3	4.2
Below Normal (6%)	4.0	4.1	4.0	4.5	4.3	4.1	3.9	4.0	4.1	4.2	4.2	4.1
Dry (13%)	4.1	4.1	4.2	4.2	4.1	4.1	3.9	4.1	4.4	4.5	4.4	4.2
Critical (25%)	4.1	4.1	4.2	4.2	4.0	3.8	3.8	4.0	4.2	4.5	4.4	4.3

Alternative 4 H4 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-0.6	-0.6	-0.6	-0.6	-0.6	-0.5	-0.6	-0.6	-0.7	-0.7	-0.7	-0.7
20%	-0.6	-0.6	-0.7	-0.6	-0.7	-0.6	-0.6	-0.7	-0.7	-0.7	-0.6	-0.6
30%	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.6	-0.6
40%	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6
50%	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6	-0.5	-0.6	-0.7	-0.7	-0.6	-0.6
60%	-0.5	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.6	-0.6
70%	-0.5	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.6	-0.6
80%	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6	-0.5	-0.6	-0.7	-0.7	-0.6	-0.6
90%	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6
Long Term												
Full Simulation Period[a]	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.6	-0.6
Water Year Types[b]												
Wet (31%)	-0.6	-0.6	-0.6	-0.6	-0.6	-0.5	-0.5	-0.6	-0.7	-0.7	-0.6	-0.6
Above Normal (25%)	-0.5	-0.6	-0.6	-0.6	-0.6	-0.6	-0.5	-0.6	-0.6	-0.7	-0.6	-0.6
Below Normal (6%)	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.6
Dry (13%)	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.6	-0.6
Critical (25%)	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.6	-0.6

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-32-1-21. Sacramento River at Rio Vista, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.8	5.3	5.6	5.6	6.0	5.4	5.1	5.0	5.1	5.4	5.3	5.3
20%	4.7	4.9	5.2	5.4	5.7	5.3	4.7	4.8	5.1	5.3	5.1	5.0
30%	4.7	4.9	5.0	5.2	5.1	4.9	4.7	4.8	5.0	5.3	5.1	5.0
40%	4.7	4.8	4.9	5.0	4.9	4.8	4.6	4.7	5.0	5.2	5.1	4.9
50%	4.6	4.7	4.9	5.0	4.8	4.7	4.5	4.7	5.0	5.2	5.1	4.9
60%	4.6	4.7	4.8	4.9	4.8	4.7	4.4	4.7	4.9	5.2	5.0	4.9
70%	4.6	4.7	4.8	4.8	4.7	4.6	4.4	4.7	4.9	5.1	4.9	4.8
80%	4.6	4.7	4.8	4.8	4.6	4.4	4.4	4.6	4.9	5.1	4.9	4.7
90%	4.5	4.5	4.6	4.7	4.5	4.3	4.3	4.5	4.8	5.0	4.9	4.7
Long Term												
Full Simulation Period[a]	4.7	4.8	5.0	5.1	5.0	4.8	4.6	4.8	5.0	5.2	5.1	4.9
Water Year Types[b]												
Wet (31%)	4.8	5.2	5.5	5.5	5.7	5.4	4.9	5.0	5.2	5.4	5.2	5.3
Above Normal (25%)	4.5	4.6	4.9	5.6	5.7	5.1	4.7	4.7	4.8	5.1	5.0	4.8
Below Normal (6%)	4.6	4.7	4.6	5.1	4.9	4.7	4.4	4.6	4.7	4.9	4.8	4.7
Dry (13%)	4.6	4.7	4.9	4.8	4.7	4.6	4.5	4.8	5.0	5.2	5.1	4.8
Critical (25%)	4.7	4.7	4.9	4.8	4.6	4.4	4.4	4.7	4.9	5.2	5.0	4.9

Alternative 5 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.3	4.6	5.0	5.0	5.4	4.9	4.6	4.4	4.5	4.7	4.6	4.6
20%	4.2	4.3	4.5	4.8	5.0	4.7	4.1	4.2	4.4	4.6	4.5	4.4
30%	4.1	4.2	4.4	4.6	4.5	4.3	4.1	4.2	4.4	4.6	4.5	4.4
40%	4.1	4.2	4.3	4.4	4.3	4.2	4.0	4.1	4.4	4.6	4.5	4.3
50%	4.1	4.1	4.3	4.4	4.2	4.1	3.9	4.1	4.3	4.5	4.4	4.3
60%	4.0	4.1	4.2	4.3	4.1	4.1	3.9	4.1	4.2	4.5	4.4	4.3
70%	4.0	4.0	4.2	4.2	4.1	4.0	3.8	4.0	4.2	4.5	4.3	4.2
80%	4.0	4.0	4.1	4.2	4.0	3.9	3.8	4.0	4.2	4.4	4.2	4.1
90%	3.9	3.9	4.0	4.1	3.9	3.7	3.7	3.9	4.1	4.3	4.2	4.1
Long Term												
Full Simulation Period[a]	4.1	4.2	4.4	4.5	4.5	4.3	4.0	4.1	4.3	4.5	4.4	4.3
Water Year Types[b]												
Wet (31%)	4.2	4.6	4.9	4.9	5.1	4.9	4.4	4.3	4.6	4.7	4.6	4.7
Above Normal (25%)	4.0	4.0	4.3	5.0	5.1	4.5	4.1	4.1	4.1	4.4	4.3	4.2
Below Normal (6%)	4.0	4.1	4.0	4.5	4.3	4.1	3.9	4.0	4.1	4.2	4.2	4.1
Dry (13%)	4.1	4.1	4.2	4.2	4.1	4.1	3.9	4.1	4.4	4.6	4.4	4.2
Critical (25%)	4.1	4.1	4.2	4.2	4.0	3.8	3.8	4.0	4.2	4.5	4.4	4.3

Alternative 5 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-0.6	-0.6	-0.6	-0.6	-0.5	-0.5	-0.6	-0.6	-0.6	-0.7	-0.7	-0.7
20%	-0.6	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6	-0.7	-0.7	-0.7	-0.6	-0.6
30%	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6
40%	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6
50%	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.6	-0.6
60%	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6
70%	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.6	-0.6
80%	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.5	-0.6	-0.7	-0.7	-0.6	-0.6
90%	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6
Long Term												
Full Simulation Period[a]	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6
Water Year Types[b]												
Wet (31%)	-0.6	-0.6	-0.6	-0.6	-0.5	-0.5	-0.5	-0.6	-0.6	-0.7	-0.6	-0.6
Above Normal (25%)	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.6
Below Normal (6%)	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.6
Dry (13%)	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.6	-0.6
Critical (25%)	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.6	-0.6

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-32-1-22. Sacramento River at Rio Vista, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.8	5.3	5.6	5.6	6.0	5.4	5.1	5.0	5.1	5.4	5.3	5.3
20%	4.7	4.9	5.2	5.4	5.7	5.3	4.7	4.8	5.1	5.3	5.1	5.0
30%	4.7	4.9	5.0	5.2	5.1	4.9	4.7	4.8	5.0	5.3	5.1	5.0
40%	4.7	4.8	4.9	5.0	4.9	4.8	4.6	4.7	5.0	5.2	5.1	4.9
50%	4.6	4.7	4.9	5.0	4.8	4.7	4.5	4.7	5.0	5.2	5.1	4.9
60%	4.6	4.7	4.8	4.9	4.8	4.7	4.4	4.7	4.9	5.2	5.0	4.9
70%	4.6	4.7	4.8	4.8	4.7	4.6	4.4	4.7	4.9	5.1	4.9	4.8
80%	4.6	4.7	4.8	4.8	4.6	4.4	4.4	4.6	4.9	5.1	4.9	4.7
90%	4.5	4.5	4.6	4.7	4.5	4.3	4.3	4.5	4.8	5.0	4.9	4.7
Long Term												
Full Simulation Period[a]	4.7	4.8	5.0	5.1	5.0	4.8	4.6	4.8	5.0	5.2	5.1	4.9
Water Year Types[b]												
Wet (31%)	4.8	5.2	5.5	5.5	5.7	5.4	4.9	5.0	5.2	5.4	5.2	5.3
Above Normal (25%)	4.5	4.6	4.9	5.6	5.7	5.1	4.7	4.7	4.8	5.1	5.0	4.8
Below Normal (6%)	4.6	4.7	4.6	5.1	4.9	4.7	4.4	4.6	4.7	4.9	4.8	4.7
Dry (13%)	4.6	4.7	4.9	4.8	4.7	4.6	4.5	4.8	5.0	5.2	5.1	4.8
Critical (25%)	4.7	4.7	4.9	4.8	4.6	4.4	4.4	4.7	4.9	5.2	5.0	4.9

Alternative 6A,6B,6C (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.3	4.6	5.0	5.0	5.4	4.9	4.5	4.4	4.5	4.7	4.6	4.6
20%	4.2	4.4	4.5	4.8	5.0	4.7	4.1	4.2	4.4	4.6	4.5	4.4
30%	4.1	4.3	4.4	4.6	4.5	4.2	4.1	4.2	4.4	4.6	4.5	4.4
40%	4.1	4.2	4.4	4.4	4.3	4.2	4.0	4.1	4.3	4.6	4.5	4.3
50%	4.1	4.1	4.3	4.4	4.3	4.1	3.9	4.1	4.3	4.5	4.4	4.3
60%	4.1	4.1	4.2	4.3	4.1	4.1	3.9	4.1	4.2	4.5	4.4	4.3
70%	4.0	4.0	4.2	4.2	4.1	4.0	3.8	4.0	4.2	4.4	4.3	4.2
80%	4.0	4.0	4.2	4.2	4.0	3.9	3.8	4.0	4.2	4.4	4.3	4.1
90%	3.9	3.9	4.0	4.1	3.9	3.8	3.7	3.9	4.1	4.3	4.2	4.1
Long Term												
Full Simulation Period[a]	4.1	4.2	4.4	4.5	4.5	4.2	4.0	4.1	4.3	4.5	4.4	4.3
Water Year Types[b]												
Wet (31%)	4.2	4.6	4.9	4.8	5.1	4.9	4.4	4.3	4.5	4.7	4.6	4.7
Above Normal (25%)	4.0	4.0	4.3	5.0	5.1	4.5	4.0	4.1	4.1	4.4	4.4	4.2
Below Normal (6%)	4.0	4.1	4.0	4.5	4.3	4.1	3.9	4.0	4.1	4.2	4.2	4.1
Dry (13%)	4.1	4.1	4.3	4.2	4.1	4.0	3.9	4.1	4.4	4.5	4.4	4.3
Critical (25%)	4.1	4.1	4.2	4.2	4.0	3.8	3.8	4.0	4.2	4.5	4.4	4.3

Alternative 6A,6B,6C (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-0.5	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.7	-0.6	-0.7
20%	-0.5	-0.5	-0.6	-0.6	-0.7	-0.6	-0.6	-0.7	-0.7	-0.7	-0.6	-0.6
30%	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.6	-0.6
40%	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6
50%	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.6	-0.6
60%	-0.5	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6
70%	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.6	-0.6
80%	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.6	-0.6
90%	-0.6	-0.6	-0.6	-0.6	-0.6	-0.5	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6
Long Term												
Full Simulation Period[a]	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.6	-0.6
Water Year Types[b]												
Wet (31%)	-0.6	-0.6	-0.6	-0.6	-0.6	-0.5	-0.6	-0.6	-0.7	-0.7	-0.6	-0.6
Above Normal (25%)	-0.6	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6
Below Normal (6%)	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6
Dry (13%)	-0.5	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.6	-0.6
Critical (25%)	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.6	-0.6

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-32-1-23. Sacramento River at Rio Vista, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.8	5.3	5.6	5.6	6.0	5.4	5.1	5.0	5.1	5.4	5.3	5.3
20%	4.7	4.9	5.2	5.4	5.7	5.3	4.7	4.8	5.1	5.3	5.1	5.0
30%	4.7	4.9	5.0	5.2	5.1	4.9	4.7	4.8	5.0	5.3	5.1	5.0
40%	4.7	4.8	4.9	5.0	4.9	4.8	4.6	4.7	5.0	5.2	5.1	4.9
50%	4.6	4.7	4.9	5.0	4.8	4.7	4.5	4.7	5.0	5.2	5.1	4.9
60%	4.6	4.7	4.8	4.9	4.8	4.7	4.4	4.7	4.9	5.2	5.0	4.9
70%	4.6	4.7	4.8	4.8	4.7	4.6	4.4	4.7	4.9	5.1	4.9	4.8
80%	4.6	4.7	4.8	4.8	4.6	4.4	4.4	4.6	4.9	5.1	4.9	4.7
90%	4.5	4.5	4.6	4.7	4.5	4.3	4.3	4.5	4.8	5.0	4.9	4.7
Long Term												
Full Simulation Period[a]	4.7	4.8	5.0	5.1	5.0	4.8	4.6	4.8	5.0	5.2	5.1	4.9
Water Year Types[b]												
Wet (31%)	4.8	5.2	5.5	5.5	5.7	5.4	4.9	5.0	5.2	5.4	5.2	5.3
Above Normal (25%)	4.5	4.6	4.9	5.6	5.7	5.1	4.7	4.7	4.8	5.1	5.0	4.8
Below Normal (6%)	4.6	4.7	4.6	5.1	4.9	4.7	4.4	4.6	4.7	4.9	4.8	4.7
Dry (13%)	4.6	4.7	4.9	4.8	4.7	4.6	4.5	4.8	5.0	5.2	5.1	4.8
Critical (25%)	4.7	4.7	4.9	4.8	4.6	4.4	4.4	4.7	4.9	5.2	5.0	4.9

Alternative 7 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.3	4.6	5.0	5.0	5.4	4.9	4.5	4.4	4.5	4.7	4.6	4.7
20%	4.2	4.4	4.5	4.8	5.0	4.7	4.1	4.2	4.4	4.6	4.5	4.4
30%	4.1	4.3	4.4	4.6	4.5	4.3	4.1	4.1	4.4	4.6	4.5	4.4
40%	4.1	4.2	4.4	4.4	4.3	4.2	4.0	4.1	4.4	4.6	4.5	4.3
50%	4.1	4.1	4.3	4.4	4.3	4.1	3.9	4.1	4.3	4.5	4.4	4.3
60%	4.1	4.1	4.2	4.3	4.1	4.1	3.9	4.1	4.3	4.5	4.4	4.3
70%	4.0	4.1	4.2	4.2	4.1	4.0	3.8	4.0	4.2	4.4	4.3	4.2
80%	4.0	4.0	4.2	4.2	4.0	3.9	3.8	4.0	4.2	4.4	4.3	4.1
90%	3.9	3.9	4.0	4.1	3.9	3.8	3.7	3.9	4.1	4.3	4.2	4.1
Long Term												
Full Simulation Period[a]	4.1	4.2	4.4	4.5	4.5	4.2	4.0	4.1	4.3	4.5	4.4	4.3
Water Year Types[b]												
Wet (31%)	4.2	4.6	4.9	4.8	5.1	4.9	4.4	4.3	4.6	4.7	4.6	4.7
Above Normal (25%)	4.0	4.0	4.3	5.0	5.1	4.5	4.1	4.1	4.2	4.4	4.3	4.2
Below Normal (6%)	4.0	4.1	4.0	4.5	4.3	4.1	3.9	4.0	4.1	4.2	4.2	4.1
Dry (13%)	4.1	4.1	4.3	4.2	4.1	4.1	3.9	4.1	4.4	4.6	4.4	4.2
Critical (25%)	4.1	4.1	4.2	4.2	4.0	3.8	3.8	4.0	4.2	4.5	4.4	4.3

Alternative 7 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-0.5	-0.6	-0.6	-0.6	-0.5	-0.5	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6
20%	-0.5	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6	-0.6	-0.7	-0.7	-0.6	-0.6
30%	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6
40%	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6
50%	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6
60%	-0.5	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6
70%	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.6	-0.6
80%	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.6	-0.6
90%	-0.6	-0.6	-0.6	-0.6	-0.6	-0.5	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6
Long Term												
Full Simulation Period[a]	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6
Water Year Types[b]												
Wet (31%)	-0.6	-0.6	-0.6	-0.6	-0.6	-0.5	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6
Above Normal (25%)	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6
Below Normal (6%)	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6
Dry (13%)	-0.5	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.6	-0.6
Critical (25%)	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-32-1-24. Sacramento River at Rio Vista, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.8	5.3	5.6	5.6	6.0	5.4	5.1	5.0	5.1	5.4	5.3	5.3
20%	4.7	4.9	5.2	5.4	5.7	5.3	4.7	4.8	5.1	5.3	5.1	5.0
30%	4.7	4.9	5.0	5.2	5.1	4.9	4.7	4.8	5.0	5.3	5.1	5.0
40%	4.7	4.8	4.9	5.0	4.9	4.8	4.6	4.7	5.0	5.2	5.1	4.9
50%	4.6	4.7	4.9	5.0	4.8	4.7	4.5	4.7	5.0	5.2	5.1	4.9
60%	4.6	4.7	4.8	4.9	4.8	4.7	4.4	4.7	4.9	5.2	5.0	4.9
70%	4.6	4.7	4.8	4.8	4.7	4.6	4.4	4.7	4.9	5.1	4.9	4.8
80%	4.6	4.7	4.8	4.8	4.6	4.4	4.4	4.6	4.9	5.1	4.9	4.7
90%	4.5	4.5	4.6	4.7	4.5	4.3	4.3	4.5	4.8	5.0	4.9	4.7
Long Term												
Full Simulation Period[a]	4.7	4.8	5.0	5.1	5.0	4.8	4.6	4.8	5.0	5.2	5.1	4.9
Water Year Types[b]												
Wet (31%)	4.8	5.2	5.5	5.5	5.7	5.4	4.9	5.0	5.2	5.4	5.2	5.3
Above Normal (25%)	4.5	4.6	4.9	5.6	5.7	5.1	4.7	4.7	4.8	5.1	5.0	4.8
Below Normal (6%)	4.6	4.7	4.6	5.1	4.9	4.7	4.4	4.6	4.7	4.9	4.8	4.7
Dry (13%)	4.6	4.7	4.9	4.8	4.7	4.6	4.5	4.8	5.0	5.2	5.1	4.8
Critical (25%)	4.7	4.7	4.9	4.8	4.6	4.4	4.4	4.7	4.9	5.2	5.0	4.9

Alternative 8 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.3	4.6	5.0	5.0	5.4	4.9	4.6	4.4	4.5	4.7	4.6	4.6
20%	4.2	4.4	4.5	4.8	5.0	4.7	4.1	4.2	4.4	4.6	4.5	4.4
30%	4.1	4.3	4.4	4.6	4.5	4.3	4.1	4.2	4.4	4.6	4.5	4.4
40%	4.1	4.2	4.4	4.4	4.3	4.2	4.0	4.1	4.3	4.5	4.5	4.3
50%	4.1	4.1	4.3	4.4	4.3	4.2	3.9	4.1	4.3	4.5	4.4	4.3
60%	4.0	4.1	4.2	4.3	4.2	4.1	3.9	4.1	4.3	4.5	4.4	4.3
70%	4.0	4.0	4.2	4.3	4.1	4.0	3.9	4.0	4.2	4.4	4.3	4.2
80%	4.0	4.0	4.2	4.2	4.0	3.9	3.8	4.0	4.2	4.4	4.3	4.1
90%	3.9	3.9	4.0	4.1	4.0	3.8	3.7	3.9	4.1	4.3	4.2	4.1
Long Term												
Full Simulation Period[a]	4.1	4.2	4.4	4.5	4.5	4.3	4.0	4.1	4.3	4.5	4.4	4.3
Water Year Types[b]												
Wet (31%)	4.2	4.6	4.9	4.9	5.1	4.9	4.4	4.4	4.6	4.7	4.6	4.7
Above Normal (25%)	4.0	4.0	4.3	5.0	5.1	4.5	4.1	4.1	4.2	4.4	4.3	4.2
Below Normal (6%)	4.0	4.1	4.0	4.5	4.3	4.2	3.9	4.0	4.1	4.2	4.2	4.1
Dry (13%)	4.1	4.1	4.3	4.2	4.1	4.1	3.9	4.1	4.4	4.5	4.4	4.2
Critical (25%)	4.1	4.1	4.2	4.2	4.0	3.8	3.8	4.0	4.2	4.5	4.4	4.3

Alternative 8 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-0.6	-0.6	-0.6	-0.6	-0.6	-0.5	-0.6	-0.6	-0.6	-0.7	-0.7	-0.7
20%	-0.6	-0.5	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.6	-0.6
30%	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6
40%	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6
50%	-0.6	-0.6	-0.6	-0.6	-0.5	-0.6	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6
60%	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6
70%	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.6	-0.6
80%	-0.6	-0.6	-0.6	-0.7	-0.6	-0.5	-0.5	-0.6	-0.7	-0.7	-0.6	-0.6
90%	-0.6	-0.6	-0.6	-0.6	-0.6	-0.5	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6
Long Term												
Full Simulation Period[a]	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6
Water Year Types[b]												
Wet (31%)	-0.6	-0.6	-0.6	-0.6	-0.6	-0.5	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6
Above Normal (25%)	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.6
Below Normal (6%)	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.5	-0.6	-0.6	-0.7	-0.6	-0.6
Dry (13%)	-0.6	-0.6	-0.6	-0.6	-0.6	-0.5	-0.5	-0.6	-0.7	-0.7	-0.6	-0.6
Critical (25%)	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-32-1-25. Sacramento River at Rio Vista, Monthly Averaged Daily Maximum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.8	5.3	5.6	5.6	6.0	5.4	5.1	5.0	5.1	5.4	5.3	5.3
20%	4.7	4.9	5.2	5.4	5.7	5.3	4.7	4.8	5.1	5.3	5.1	5.0
30%	4.7	4.9	5.0	5.2	5.1	4.9	4.7	4.8	5.0	5.3	5.1	5.0
40%	4.7	4.8	4.9	5.0	4.9	4.8	4.6	4.7	5.0	5.2	5.1	4.9
50%	4.6	4.7	4.9	5.0	4.8	4.7	4.5	4.7	5.0	5.2	5.1	4.9
60%	4.6	4.7	4.8	4.9	4.8	4.7	4.4	4.7	4.9	5.2	5.0	4.9
70%	4.6	4.7	4.8	4.8	4.7	4.6	4.4	4.7	4.9	5.1	4.9	4.8
80%	4.6	4.7	4.8	4.8	4.6	4.4	4.4	4.6	4.9	5.1	4.9	4.7
90%	4.5	4.5	4.6	4.7	4.5	4.3	4.3	4.5	4.8	5.0	4.9	4.7
Long Term												
Full Simulation Period[a]	4.7	4.8	5.0	5.1	5.0	4.8	4.6	4.8	5.0	5.2	5.1	4.9
Water Year Types[b]												
Wet (31%)	4.8	5.2	5.5	5.5	5.7	5.4	4.9	5.0	5.2	5.4	5.2	5.3
Above Normal (25%)	4.5	4.6	4.9	5.6	5.7	5.1	4.7	4.7	4.8	5.1	5.0	4.8
Below Normal (6%)	4.6	4.7	4.6	5.1	4.9	4.7	4.4	4.6	4.7	4.9	4.8	4.7
Dry (13%)	4.6	4.7	4.9	4.8	4.7	4.6	4.5	4.8	5.0	5.2	5.1	4.8
Critical (25%)	4.7	4.7	4.9	4.8	4.6	4.4	4.4	4.7	4.9	5.2	5.0	4.9

Alternative 9 (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4.3	4.7	5.0	5.1	5.4	4.9	4.6	4.4	4.5	4.8	4.6	4.7
20%	4.2	4.4	4.5	4.8	5.1	4.8	4.1	4.2	4.5	4.6	4.5	4.5
30%	4.1	4.3	4.4	4.6	4.5	4.3	4.1	4.2	4.4	4.6	4.5	4.4
40%	4.1	4.2	4.3	4.4	4.3	4.3	4.0	4.1	4.4	4.6	4.5	4.4
50%	4.1	4.1	4.3	4.4	4.2	4.2	3.9	4.1	4.4	4.6	4.5	4.3
60%	4.1	4.1	4.2	4.3	4.2	4.1	3.9	4.1	4.3	4.5	4.4	4.3
70%	4.0	4.1	4.2	4.2	4.1	4.0	3.9	4.1	4.2	4.5	4.4	4.3
80%	4.0	4.1	4.1	4.2	4.0	3.9	3.8	4.0	4.2	4.5	4.3	4.2
90%	3.9	3.9	4.0	4.1	3.9	3.8	3.7	3.9	4.2	4.3	4.3	4.1
Long Term												
Full Simulation Period[a]	4.1	4.2	4.4	4.5	4.5	4.3	4.0	4.2	4.4	4.5	4.5	4.4
Water Year Types[b]												
Wet (31%)	4.3	4.6	4.9	4.9	5.1	4.9	4.4	4.4	4.6	4.7	4.6	4.7
Above Normal (25%)	4.0	4.0	4.3	5.1	5.2	4.6	4.1	4.1	4.2	4.4	4.4	4.2
Below Normal (6%)	4.0	4.1	4.0	4.5	4.3	4.2	3.9	4.0	4.1	4.2	4.2	4.1
Dry (13%)	4.1	4.1	4.2	4.2	4.1	4.1	3.9	4.2	4.4	4.6	4.5	4.3
Critical (25%)	4.1	4.2	4.3	4.2	4.0	3.8	3.8	4.0	4.3	4.5	4.4	4.3

Alternative 9 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Maximum Elevation (FEET)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-0.5	-0.6	-0.6	-0.6	-0.5	-0.5	-0.5	-0.6	-0.6	-0.7	-0.6	-0.6
20%	-0.5	-0.6	-0.6	-0.6	-0.6	-0.5	-0.6	-0.6	-0.6	-0.6	-0.6	-0.5
30%	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6
40%	-0.5	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6
50%	-0.5	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6
60%	-0.5	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6
70%	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6
80%	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6	-0.5	-0.6	-0.6	-0.6	-0.6	-0.6
90%	-0.5	-0.6	-0.6	-0.6	-0.6	-0.5	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6
Long Term												
Full Simulation Period[a]	-0.5	-0.6	-0.6	-0.6	-0.6	-0.5	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6
Water Year Types[b]												
Wet (31%)	-0.5	-0.6	-0.6	-0.6	-0.5	-0.5	-0.5	-0.6	-0.6	-0.7	-0.6	-0.6
Above Normal (25%)	-0.6	-0.6	-0.6	-0.6	-0.6	-0.5	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6
Below Normal (6%)	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6
Dry (13%)	-0.5	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6
Critical (25%)	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-32-2-1. Sacramento River at Rio Vista, Monthly Averaged Daily Minimum Elevation

Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	-0.7	-0.5	-0.1	0.2	1.2	0.5	-0.2	-0.7	-0.9	-0.6	-0.6	-0.5
20%	-0.9	-0.8	-0.9	-0.3	0.0	0.1	-0.9	-1.0	-1.0	-0.8	-0.7	-0.6
30%	-0.9	-1.0	-1.0	-0.5	-0.3	-0.4	-1.0	-1.1	-1.1	-0.9	-0.7	-0.7
40%	-1.0	-1.0	-1.0	-0.8	-0.8	-0.7	-1.1	-1.1	-1.1	-0.9	-0.7	-0.7
50%	-1.0	-1.1	-1.1	-1.0	-0.9	-0.7	-1.1	-1.2	-1.1	-0.9	-0.8	-0.8
60%	-1.0	-1.2	-1.1	-1.1	-1.0	-0.8	-1.1	-1.2	-1.1	-0.9	-0.8	-0.8
70%	-1.0	-1.2	-1.2	-1.1	-1.0	-1.0	-1.2	-1.2	-1.1	-0.9	-0.8	-0.8
80%	-1.0	-1.2	-1.3	-1.2	-1.1	-1.2	-1.2	-1.3	-1.2	-1.0	-0.8	-0.8
90%	-1.1	-1.3	-1.4	-1.3	-1.2	-1.2	-1.4	-1.4	-1.2	-1.0	-0.9	-0.9
Long Term												
Full Simulation Period[a]	-0.9	-1.0	-0.9	-0.7	-0.4	-0.5	-0.9	-1.1	-1.0	-0.9	-0.8	-0.7
Water Year Types[b]												
Wet (31%)	-0.8	-0.5	-0.2	-0.3	0.6	0.7	-0.4	-0.8	-0.7	-0.7	-0.6	-0.4
Above Normal (25%)	-1.0	-1.1	-1.0	0.2	0.4	-0.1	-0.8	-1.0	-1.1	-0.9	-0.7	-0.8
Below Normal (6%)	-0.8	-1.1	-1.3	-0.8	-0.6	-0.6	-1.1	-1.1	-1.1	-1.0	-0.8	-0.8
Dry (13%)	-1.0	-1.2	-1.1	-1.2	-1.1	-0.9	-1.2	-1.2	-1.1	-0.9	-0.8	-0.8
Critical (25%)	-1.0	-1.1	-1.2	-1.2	-1.1	-1.1	-1.3	-1.3	-1.2	-0.9	-0.8	-0.8

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0.6	0.7	1.1	1.4	2.6	1.7	1.1	0.5	0.4	0.7	0.7	0.9
20%	0.5	0.4	0.4	1.1	1.4	1.4	0.3	0.3	0.2	0.5	0.6	0.7
30%	0.4	0.3	0.3	0.8	1.0	0.8	0.3	0.2	0.2	0.5	0.6	0.6
40%	0.4	0.3	0.3	0.4	0.5	0.6	0.2	0.1	0.2	0.4	0.5	0.6
50%	0.3	0.2	0.2	0.3	0.4	0.5	0.2	0.1	0.2	0.4	0.5	0.6
60%	0.3	0.2	0.2	0.2	0.3	0.5	0.2	0.1	0.2	0.4	0.5	0.5
70%	0.3	0.1	0.1	0.2	0.3	0.3	0.1	0.1	0.1	0.4	0.5	0.5
80%	0.3	0.1	0.0	0.0	0.2	0.1	0.1	0.0	0.1	0.3	0.4	0.5
90%	0.3	0.0	-0.1	0.0	0.1	0.1	-0.1	-0.1	0.1	0.3	0.4	0.4
Long Term												
Full Simulation Period[a]	0.4	0.3	0.4	0.5	0.9	0.8	0.3	0.2	0.2	0.4	0.5	0.6
Water Year Types[b]												
Wet (31%)	0.5	0.7	1.1	1.0	2.0	1.9	0.9	0.4	0.5	0.6	0.7	0.9
Above Normal (25%)	0.4	0.2	0.3	1.4	1.8	1.2	0.5	0.3	0.2	0.4	0.6	0.6
Below Normal (6%)	0.5	0.3	0.0	0.5	0.7	0.6	0.2	0.1	0.2	0.3	0.5	0.5
Dry (13%)	0.3	0.1	0.1	0.1	0.2	0.4	0.1	0.1	0.2	0.4	0.5	0.5
Critical (25%)	0.3	0.2	0.1	0.1	0.2	0.2	0.0	0.0	0.1	0.4	0.5	0.5

No Action Alternative (LLT) minus Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.3	1.2	1.2	1.2	1.4	1.3	1.3	1.2	1.3	1.3	1.3	1.4
20%	1.3	1.2	1.3	1.3	1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3
30%	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
40%	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
50%	1.3	1.3	1.3	1.3	1.3	1.2	1.3	1.3	1.3	1.3	1.3	1.3
60%	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
70%	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
80%	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
90%	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
Long Term												
Full Simulation Period[a]	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
Water Year Types[b]												
Wet (31%)	1.3	1.2	1.3	1.3	1.4	1.3	1.3	1.2	1.2	1.3	1.3	1.4
Above Normal (25%)	1.3	1.3	1.3	1.2	1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3
Below Normal (6%)	1.3	1.3	1.3	1.3	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3
Dry (13%)	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
Critical (25%)	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

Table C-32-2-2. Sacramento River at Rio Vista, Monthly Averaged Daily Minimum Elevation

Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	-0.7	-0.5	-0.1	0.2	1.2	0.5	-0.2	-0.7	-0.9	-0.6	-0.6	-0.5
20%	-0.9	-0.8	-0.9	-0.3	0.0	0.1	-0.9	-1.0	-1.0	-0.8	-0.7	-0.6
30%	-0.9	-1.0	-1.0	-0.5	-0.3	-0.4	-1.0	-1.1	-1.1	-0.9	-0.7	-0.7
40%	-1.0	-1.0	-1.0	-0.8	-0.8	-0.7	-1.1	-1.1	-1.1	-0.9	-0.7	-0.7
50%	-1.0	-1.1	-1.1	-1.0	-0.9	-0.7	-1.1	-1.2	-1.1	-0.9	-0.8	-0.8
60%	-1.0	-1.2	-1.1	-1.1	-1.0	-0.8	-1.1	-1.2	-1.1	-0.9	-0.8	-0.8
70%	-1.0	-1.2	-1.2	-1.1	-1.0	-1.0	-1.2	-1.2	-1.1	-0.9	-0.8	-0.8
80%	-1.0	-1.2	-1.3	-1.2	-1.1	-1.2	-1.2	-1.3	-1.2	-1.0	-0.8	-0.8
90%	-1.1	-1.3	-1.4	-1.3	-1.2	-1.2	-1.4	-1.4	-1.2	-1.0	-0.9	-0.9
Long Term												
Full Simulation Period[a]	-0.9	-1.0	-0.9	-0.7	-0.4	-0.5	-0.9	-1.1	-1.0	-0.9	-0.8	-0.7
Water Year Types[b]												
Wet (31%)	-0.8	-0.5	-0.2	-0.3	0.6	0.7	-0.4	-0.8	-0.7	-0.7	-0.6	-0.4
Above Normal (25%)	-1.0	-1.1	-1.0	0.2	0.4	-0.1	-0.8	-1.0	-1.1	-0.9	-0.7	-0.8
Below Normal (6%)	-0.8	-1.1	-1.3	-0.8	-0.6	-0.6	-1.1	-1.1	-1.1	-1.0	-0.8	-0.8
Dry (13%)	-1.0	-1.2	-1.1	-1.2	-1.1	-0.9	-1.2	-1.2	-1.1	-0.9	-0.8	-0.8
Critical (25%)	-1.0	-1.1	-1.2	-1.2	-1.1	-1.1	-1.3	-1.3	-1.2	-0.9	-0.8	-0.8

Alternative 1A,1B,1C (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.4	1.5	1.9	2.1	3.1	2.4	1.8	1.2	1.2	1.5	1.5	1.5
20%	1.2	1.2	1.2	1.8	2.1	2.0	1.1	1.1	1.1	1.3	1.4	1.4
30%	1.2	1.1	1.1	1.5	1.7	1.6	1.0	1.0	1.0	1.3	1.4	1.4
40%	1.2	1.0	1.1	1.3	1.3	1.3	1.0	0.9	1.0	1.3	1.3	1.3
50%	1.1	1.0	1.1	1.1	1.1	1.3	1.0	0.9	1.0	1.2	1.3	1.3
60%	1.1	1.0	1.0	1.1	1.1	1.2	0.9	0.9	1.0	1.2	1.3	1.3
70%	1.1	0.9	1.0	1.0	1.1	1.0	0.9	0.9	1.0	1.2	1.2	1.3
80%	1.1	0.9	0.8	0.9	1.0	0.9	0.8	0.8	1.0	1.1	1.2	1.2
90%	1.1	0.9	0.8	0.9	0.9	0.9	0.7	0.8	0.9	1.1	1.2	1.2
Long Term												
Full Simulation Period[a]	1.2	1.1	1.2	1.3	1.6	1.5	1.1	1.0	1.1	1.3	1.3	1.4
Water Year Types[b]												
Wet (31%)	1.3	1.5	1.9	1.8	2.6	2.5	1.6	1.2	1.3	1.4	1.4	1.6
Above Normal (25%)	1.2	1.0	1.1	2.1	2.5	1.9	1.2	1.0	1.0	1.2	1.3	1.3
Below Normal (6%)	1.3	1.0	0.8	1.3	1.4	1.4	1.0	0.9	1.0	1.1	1.2	1.2
Dry (13%)	1.1	0.9	1.0	1.0	1.0	1.1	0.9	0.9	1.0	1.2	1.3	1.3
Critical (25%)	1.2	1.0	1.0	1.0	1.0	0.9	0.8	0.8	0.9	1.2	1.3	1.3

Alternative 1A,1B,1C (LLT) minus Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	2.1	1.9	2.0	1.9	1.9	1.9	2.0	2.0	2.1	2.1	2.1	2.0
20%	2.1	2.0	2.1	2.0	2.1	2.0	2.0	2.1	2.1	2.1	2.1	2.1
30%	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1
40%	2.1	2.1	2.1	2.1	2.1	2.0	2.1	2.1	2.1	2.1	2.1	2.1
50%	2.1	2.1	2.1	2.1	2.1	2.0	2.1	2.1	2.1	2.1	2.1	2.1
60%	2.1	2.1	2.1	2.1	2.1	2.0	2.1	2.1	2.1	2.1	2.1	2.1
70%	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
80%	2.1	2.1	2.1	2.1	2.1	2.0	2.1	2.1	2.1	2.1	2.0	2.0
90%	2.1	2.1	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0
Long Term												
Full Simulation Period[a]	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1
Water Year Types[b]												
Wet (31%)	2.1	2.0	2.1	2.1	1.9	1.9	2.0	2.0	2.0	2.1	2.0	2.0
Above Normal (25%)	2.1	2.1	2.1	1.9	2.0	2.0	2.0	2.0	2.1	2.1	2.0	2.0
Below Normal (6%)	2.1	2.1	2.1	2.1	1.9	2.0	2.0	2.0	2.1	2.1	2.0	2.0
Dry (13%)	2.1	2.1	2.1	2.1	2.1	2.0	2.1	2.1	2.1	2.1	2.1	2.1
Critical (25%)	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-32-2-3. Sacramento River at Rio Vista, Monthly Averaged Daily Minimum Elevation

Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	-0.7	-0.5	-0.1	0.2	1.2	0.5	-0.2	-0.7	-0.9	-0.6	-0.6	-0.5
20%	-0.9	-0.8	-0.9	-0.3	0.0	0.1	-0.9	-1.0	-1.0	-0.8	-0.7	-0.6
30%	-0.9	-1.0	-1.0	-0.5	-0.3	-0.4	-1.0	-1.1	-1.1	-0.9	-0.7	-0.7
40%	-1.0	-1.0	-1.0	-0.8	-0.8	-0.7	-1.1	-1.1	-1.1	-0.9	-0.7	-0.7
50%	-1.0	-1.1	-1.1	-1.0	-0.9	-0.7	-1.1	-1.2	-1.1	-0.9	-0.8	-0.8
60%	-1.0	-1.2	-1.1	-1.1	-1.0	-0.8	-1.1	-1.2	-1.1	-0.9	-0.8	-0.8
70%	-1.0	-1.2	-1.2	-1.1	-1.0	-1.0	-1.2	-1.2	-1.1	-0.9	-0.8	-0.8
80%	-1.0	-1.2	-1.3	-1.2	-1.1	-1.2	-1.2	-1.3	-1.2	-1.0	-0.8	-0.8
90%	-1.1	-1.3	-1.4	-1.3	-1.2	-1.2	-1.4	-1.4	-1.2	-1.0	-0.9	-0.9
Long Term												
Full Simulation Period[a]	-0.9	-1.0	-0.9	-0.7	-0.4	-0.5	-0.9	-1.1	-1.0	-0.9	-0.8	-0.7
Water Year Types[b]												
Wet (31%)	-0.8	-0.5	-0.2	-0.3	0.6	0.7	-0.4	-0.8	-0.7	-0.7	-0.6	-0.4
Above Normal (25%)	-1.0	-1.1	-1.0	0.2	0.4	-0.1	-0.8	-1.0	-1.1	-0.9	-0.7	-0.8
Below Normal (6%)	-0.8	-1.1	-1.3	-0.8	-0.6	-0.6	-1.1	-1.1	-1.1	-1.0	-0.8	-0.8
Dry (13%)	-1.0	-1.2	-1.1	-1.2	-1.1	-0.9	-1.2	-1.2	-1.1	-0.9	-0.8	-0.8
Critical (25%)	-1.0	-1.1	-1.2	-1.2	-1.1	-1.1	-1.3	-1.3	-1.2	-0.9	-0.8	-0.8

Alternative 2A,2B,2C (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.4	1.5	1.9	2.1	3.1	2.3	1.8	1.2	1.2	1.5	1.5	1.7
20%	1.2	1.2	1.2	1.8	2.1	2.0	1.1	1.1	1.1	1.3	1.4	1.4
30%	1.2	1.1	1.1	1.5	1.7	1.5	1.0	1.0	1.1	1.3	1.4	1.4
40%	1.2	1.1	1.1	1.3	1.3	1.3	1.0	0.9	1.0	1.3	1.4	1.4
50%	1.1	1.0	1.1	1.1	1.2	1.3	1.0	0.9	1.0	1.2	1.3	1.3
60%	1.1	1.0	1.0	1.1	1.1	1.2	1.0	0.9	1.0	1.2	1.3	1.3
70%	1.1	0.9	1.0	1.1	1.1	1.0	0.9	0.9	1.0	1.2	1.3	1.3
80%	1.1	0.9	0.8	0.9	1.0	0.9	0.8	0.8	1.0	1.2	1.2	1.3
90%	1.1	0.9	0.8	0.9	0.9	0.9	0.7	0.8	0.9	1.1	1.2	1.2
Long Term												
Full Simulation Period[a]	1.2	1.1	1.2	1.3	1.6	1.5	1.1	1.0	1.1	1.3	1.3	1.4
Water Year Types[b]												
Wet (31%)	1.3	1.4	1.9	1.8	2.6	2.5	1.6	1.2	1.3	1.4	1.4	1.7
Above Normal (25%)	1.2	1.0	1.1	2.1	2.4	1.9	1.2	1.1	1.0	1.2	1.3	1.3
Below Normal (6%)	1.2	1.1	0.8	1.3	1.4	1.3	1.0	0.9	1.0	1.1	1.2	1.2
Dry (13%)	1.1	1.0	1.0	1.0	1.0	1.1	0.9	1.0	1.0	1.2	1.3	1.3
Critical (25%)	1.1	1.0	1.0	1.0	1.0	0.9	0.8	0.8	0.9	1.2	1.3	1.3

Alternative 2A,2B,2C (LLT) minus Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	2.1	1.9	2.0	1.9	1.9	1.9	2.0	2.0	2.1	2.1	2.1	2.1
20%	2.1	2.0	2.1	2.0	2.0	2.0	2.0	2.2	2.1	2.1	2.1	2.1
30%	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1
40%	2.2	2.1	2.1	2.1	2.1	2.0	2.1	2.1	2.1	2.1	2.1	2.1
50%	2.1	2.1	2.2	2.2	2.1	2.0	2.1	2.1	2.1	2.1	2.1	2.1
60%	2.1	2.2	2.1	2.1	2.1	2.0	2.1	2.1	2.1	2.1	2.1	2.1
70%	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
80%	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
90%	2.1	2.1	2.1	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
Long Term												
Full Simulation Period[a]	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1
Water Year Types[b]												
Wet (31%)	2.1	2.0	2.1	2.1	1.9	1.9	2.0	2.0	2.0	2.1	2.1	2.1
Above Normal (25%)	2.1	2.1	2.1	1.9	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1
Below Normal (6%)	2.1	2.1	2.1	2.1	1.9	2.0	2.1	2.0	2.1	2.1	2.0	2.1
Dry (13%)	2.1	2.1	2.1	2.1	2.1	2.0	2.1	2.1	2.1	2.1	2.1	2.1
Critical (25%)	2.1	2.1	2.1	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-32-2-4. Sacramento River at Rio Vista, Monthly Averaged Daily Minimum Elevation

Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	-0.7	-0.5	-0.1	0.2	1.2	0.5	-0.2	-0.7	-0.9	-0.6	-0.6	-0.5
20%	-0.9	-0.8	-0.9	-0.3	0.0	0.1	-0.9	-1.0	-1.0	-0.8	-0.7	-0.6
30%	-0.9	-1.0	-1.0	-0.5	-0.3	-0.4	-1.0	-1.1	-1.1	-0.9	-0.7	-0.7
40%	-1.0	-1.0	-1.0	-0.8	-0.8	-0.7	-1.1	-1.1	-1.1	-0.9	-0.7	-0.7
50%	-1.0	-1.1	-1.1	-1.0	-0.9	-0.7	-1.1	-1.2	-1.1	-0.9	-0.8	-0.8
60%	-1.0	-1.2	-1.1	-1.1	-1.0	-0.8	-1.1	-1.2	-1.1	-0.9	-0.8	-0.8
70%	-1.0	-1.2	-1.2	-1.1	-1.0	-1.0	-1.2	-1.2	-1.1	-0.9	-0.8	-0.8
80%	-1.0	-1.2	-1.3	-1.2	-1.1	-1.2	-1.2	-1.3	-1.2	-1.0	-0.8	-0.8
90%	-1.1	-1.3	-1.4	-1.3	-1.2	-1.2	-1.4	-1.4	-1.2	-1.0	-0.9	-0.9
Long Term												
Full Simulation Period[a]	-0.9	-1.0	-0.9	-0.7	-0.4	-0.5	-0.9	-1.1	-1.0	-0.9	-0.8	-0.7
Water Year Types[b]												
Wet (31%)	-0.8	-0.5	-0.2	-0.3	0.6	0.7	-0.4	-0.8	-0.7	-0.7	-0.6	-0.4
Above Normal (25%)	-1.0	-1.1	-1.0	0.2	0.4	-0.1	-0.8	-1.0	-1.1	-0.9	-0.7	-0.8
Below Normal (6%)	-0.8	-1.1	-1.3	-0.8	-0.6	-0.6	-1.1	-1.1	-1.1	-1.0	-0.8	-0.8
Dry (13%)	-1.0	-1.2	-1.1	-1.2	-1.1	-0.9	-1.2	-1.2	-1.1	-0.9	-0.8	-0.8
Critical (25%)	-1.0	-1.1	-1.2	-1.2	-1.1	-1.1	-1.3	-1.3	-1.2	-0.9	-0.8	-0.8

Alternative 3 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.3	1.5	1.9	2.1	3.1	2.4	1.8	1.2	1.2	1.5	1.5	1.6
20%	1.3	1.2	1.2	1.8	2.1	2.0	1.1	1.1	1.1	1.3	1.4	1.4
30%	1.2	1.1	1.1	1.5	1.7	1.6	1.0	1.0	1.0	1.3	1.4	1.4
40%	1.2	1.0	1.1	1.3	1.3	1.3	1.0	0.9	1.0	1.3	1.3	1.3
50%	1.1	1.0	1.1	1.1	1.1	1.3	1.0	0.9	1.0	1.2	1.3	1.3
60%	1.1	1.0	1.0	1.1	1.1	1.2	0.9	0.9	1.0	1.2	1.3	1.3
70%	1.1	0.9	1.0	1.0	1.1	1.0	0.9	0.9	1.0	1.2	1.3	1.3
80%	1.1	0.9	0.8	0.9	1.0	0.9	0.8	0.8	1.0	1.2	1.2	1.2
90%	1.1	0.9	0.8	0.9	0.9	0.9	0.7	0.8	0.9	1.1	1.2	1.2
Long Term												
Full Simulation Period[a]	1.2	1.1	1.2	1.3	1.6	1.5	1.1	1.0	1.1	1.3	1.3	1.4
Water Year Types[b]												
Wet (31%)	1.3	1.5	1.9	1.8	2.6	2.5	1.6	1.2	1.3	1.4	1.4	1.6
Above Normal (25%)	1.2	1.0	1.1	2.1	2.4	1.9	1.2	1.0	1.0	1.2	1.3	1.3
Below Normal (6%)	1.3	1.0	0.8	1.3	1.4	1.4	1.0	0.9	1.0	1.1	1.2	1.2
Dry (13%)	1.1	0.9	1.0	1.0	1.0	1.1	0.9	1.0	1.0	1.2	1.3	1.3
Critical (25%)	1.2	1.0	1.0	1.0	1.0	0.9	0.8	0.8	0.9	1.2	1.3	1.3

Alternative 3 (LLT) minus Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	2.1	2.0	2.0	1.9	1.9	1.9	2.0	2.0	2.1	2.1	2.1	2.0
20%	2.1	2.0	2.1	2.0	2.1	2.0	2.0	2.1	2.1	2.1	2.1	2.1
30%	2.2	2.1	2.1	2.1	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1
40%	2.1	2.1	2.1	2.1	2.1	2.0	2.1	2.1	2.1	2.1	2.1	2.1
50%	2.1	2.1	2.1	2.1	2.1	2.0	2.1	2.1	2.1	2.1	2.1	2.1
60%	2.1	2.1	2.1	2.1	2.1	2.0	2.1	2.1	2.1	2.1	2.1	2.1
70%	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
80%	2.1	2.1	2.1	2.1	2.1	2.0	2.1	2.1	2.1	2.1	2.1	2.1
90%	2.1	2.1	2.1	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
Long Term												
Full Simulation Period[a]	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1
Water Year Types[b]												
Wet (31%)	2.1	2.0	2.1	2.1	2.0	1.9	2.0	2.0	2.0	2.1	2.1	2.0
Above Normal (25%)	2.1	2.1	2.1	1.9	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.0
Below Normal (6%)	2.1	2.1	2.1	2.1	1.9	2.0	2.0	2.0	2.1	2.1	2.1	2.1
Dry (13%)	2.1	2.1	2.1	2.1	2.1	2.0	2.1	2.1	2.1	2.1	2.1	2.1
Critical (25%)	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-32-2-5. Sacramento River at Rio Vista, Monthly Averaged Daily Minimum Elevation

Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	-0.7	-0.5	-0.1	0.2	1.2	0.5	-0.2	-0.7	-0.9	-0.6	-0.6	-0.5
20%	-0.9	-0.8	-0.9	-0.3	0.0	0.1	-0.9	-1.0	-1.0	-0.8	-0.7	-0.6
30%	-0.9	-1.0	-1.0	-0.5	-0.3	-0.4	-1.0	-1.1	-1.1	-0.9	-0.7	-0.7
40%	-1.0	-1.0	-1.0	-0.8	-0.8	-0.7	-1.1	-1.1	-1.1	-0.9	-0.7	-0.7
50%	-1.0	-1.1	-1.1	-1.0	-0.9	-0.7	-1.1	-1.2	-1.1	-0.9	-0.8	-0.8
60%	-1.0	-1.2	-1.1	-1.1	-1.0	-0.8	-1.1	-1.2	-1.1	-0.9	-0.8	-0.8
70%	-1.0	-1.2	-1.2	-1.1	-1.0	-1.0	-1.2	-1.2	-1.1	-0.9	-0.8	-0.8
80%	-1.0	-1.2	-1.3	-1.2	-1.1	-1.2	-1.2	-1.3	-1.2	-1.0	-0.8	-0.8
90%	-1.1	-1.3	-1.4	-1.3	-1.2	-1.2	-1.4	-1.4	-1.2	-1.0	-0.9	-0.9
Long Term												
Full Simulation Period[a]	-0.9	-1.0	-0.9	-0.7	-0.4	-0.5	-0.9	-1.1	-1.0	-0.9	-0.8	-0.7
Water Year Types[b]												
Wet (31%)	-0.8	-0.5	-0.2	-0.3	0.6	0.7	-0.4	-0.8	-0.7	-0.7	-0.6	-0.4
Above Normal (25%)	-1.0	-1.1	-1.0	0.2	0.4	-0.1	-0.8	-1.0	-1.1	-0.9	-0.7	-0.8
Below Normal (6%)	-0.8	-1.1	-1.3	-0.8	-0.6	-0.6	-1.1	-1.1	-1.1	-1.0	-0.8	-0.8
Dry (13%)	-1.0	-1.2	-1.1	-1.2	-1.1	-0.9	-1.2	-1.2	-1.1	-0.9	-0.8	-0.8
Critical (25%)	-1.0	-1.1	-1.2	-1.2	-1.1	-1.1	-1.3	-1.3	-1.2	-0.9	-0.8	-0.8

Alternative 4 H1 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.4	1.5	1.9	2.1	3.1	2.3	1.8	1.2	1.2	1.5	1.5	1.6
20%	1.3	1.2	1.2	1.7	2.1	2.0	1.1	1.1	1.1	1.3	1.4	1.4
30%	1.2	1.1	1.1	1.5	1.7	1.5	1.0	1.0	1.1	1.3	1.4	1.4
40%	1.2	1.0	1.1	1.3	1.3	1.3	1.0	0.9	1.0	1.3	1.4	1.3
50%	1.1	1.0	1.1	1.1	1.2	1.3	1.0	0.9	1.0	1.2	1.3	1.3
60%	1.1	1.0	1.1	1.1	1.1	1.2	0.9	0.9	1.0	1.2	1.3	1.3
70%	1.1	0.9	1.0	1.0	1.1	1.0	0.9	0.9	1.0	1.2	1.3	1.3
80%	1.1	0.9	0.8	1.0	1.0	0.9	0.8	0.8	1.0	1.2	1.2	1.2
90%	1.1	0.9	0.8	0.9	0.9	0.8	0.7	0.8	0.9	1.1	1.2	1.2
Long Term												
Full Simulation Period[a]	1.2	1.1	1.2	1.4	1.6	1.5	1.1	1.0	1.1	1.3	1.3	1.4
Water Year Types[b]												
Wet (31%)	1.3	1.5	1.9	1.8	2.6	2.5	1.6	1.2	1.3	1.4	1.4	1.6
Above Normal (25%)	1.1	1.0	1.1	2.1	2.4	1.9	1.2	1.1	1.0	1.2	1.3	1.3
Below Normal (6%)	1.3	1.0	0.8	1.3	1.4	1.4	1.0	0.9	1.0	1.1	1.2	1.2
Dry (13%)	1.1	0.9	1.0	1.0	1.0	1.1	0.9	1.0	1.0	1.2	1.3	1.3
Critical (25%)	1.1	1.0	1.0	1.0	1.0	0.9	0.8	0.8	0.9	1.2	1.3	1.3

Alternative 4 H1 (LLT) minus Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	2.1	2.0	2.0	1.9	1.9	1.9	2.0	2.0	2.1	2.1	2.1	2.0
20%	2.1	2.0	2.1	2.0	2.1	2.0	2.0	2.2	2.1	2.1	2.1	2.1
30%	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1
40%	2.2	2.1	2.1	2.1	2.1	2.0	2.1	2.1	2.1	2.1	2.1	2.1
50%	2.1	2.1	2.2	2.2	2.1	2.0	2.1	2.1	2.1	2.1	2.1	2.1
60%	2.1	2.1	2.1	2.1	2.1	2.0	2.1	2.1	2.1	2.1	2.1	2.1
70%	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
80%	2.1	2.1	2.1	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
90%	2.1	2.1	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
Long Term												
Full Simulation Period[a]	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1
Water Year Types[b]												
Wet (31%)	2.1	2.0	2.1	2.1	1.9	1.9	2.0	2.0	2.0	2.1	2.1	2.0
Above Normal (25%)	2.1	2.1	2.1	1.9	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.0
Below Normal (6%)	2.1	2.1	2.1	2.1	1.9	2.0	2.1	2.0	2.1	2.1	2.0	2.1
Dry (13%)	2.1	2.1	2.1	2.1	2.1	2.0	2.1	2.1	2.1	2.1	2.1	2.1
Critical (25%)	2.1	2.1	2.1	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-32-2-6. Sacramento River at Rio Vista, Monthly Averaged Daily Minimum Elevation

Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	-0.7	-0.5	-0.1	0.2	1.2	0.5	-0.2	-0.7	-0.9	-0.6	-0.6	-0.5
20%	-0.9	-0.8	-0.9	-0.3	0.0	0.1	-0.9	-1.0	-1.0	-0.8	-0.7	-0.6
30%	-0.9	-1.0	-1.0	-0.5	-0.3	-0.4	-1.0	-1.1	-1.1	-0.9	-0.7	-0.7
40%	-1.0	-1.0	-1.0	-0.8	-0.8	-0.7	-1.1	-1.1	-1.1	-0.9	-0.7	-0.7
50%	-1.0	-1.1	-1.1	-1.0	-0.9	-0.7	-1.1	-1.2	-1.1	-0.9	-0.8	-0.8
60%	-1.0	-1.2	-1.1	-1.1	-1.0	-0.8	-1.1	-1.2	-1.1	-0.9	-0.8	-0.8
70%	-1.0	-1.2	-1.2	-1.1	-1.0	-1.0	-1.2	-1.2	-1.1	-0.9	-0.8	-0.8
80%	-1.0	-1.2	-1.3	-1.2	-1.1	-1.2	-1.2	-1.3	-1.2	-1.0	-0.8	-0.8
90%	-1.1	-1.3	-1.4	-1.3	-1.2	-1.2	-1.4	-1.4	-1.2	-1.0	-0.9	-0.9
Long Term												
Full Simulation Period[a]	-0.9	-1.0	-0.9	-0.7	-0.4	-0.5	-0.9	-1.1	-1.0	-0.9	-0.8	-0.7
Water Year Types[b]												
Wet (31%)	-0.8	-0.5	-0.2	-0.3	0.6	0.7	-0.4	-0.8	-0.7	-0.7	-0.6	-0.4
Above Normal (25%)	-1.0	-1.1	-1.0	0.2	0.4	-0.1	-0.8	-1.0	-1.1	-0.9	-0.7	-0.8
Below Normal (6%)	-0.8	-1.1	-1.3	-0.8	-0.6	-0.6	-1.1	-1.1	-1.1	-1.0	-0.8	-0.8
Dry (13%)	-1.0	-1.2	-1.1	-1.2	-1.1	-0.9	-1.2	-1.2	-1.1	-0.9	-0.8	-0.8
Critical (25%)	-1.0	-1.1	-1.2	-1.2	-1.1	-1.1	-1.3	-1.3	-1.2	-0.9	-0.8	-0.8

Alternative 4 H2 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.4	1.5	1.9	2.1	3.1	2.4	1.8	1.2	1.2	1.5	1.5	1.6
20%	1.2	1.2	1.2	1.7	2.1	2.0	1.2	1.1	1.1	1.3	1.4	1.4
30%	1.2	1.1	1.2	1.5	1.7	1.5	1.1	1.0	1.1	1.3	1.4	1.4
40%	1.2	1.0	1.1	1.3	1.3	1.3	1.0	0.9	1.0	1.2	1.4	1.3
50%	1.1	1.0	1.1	1.1	1.2	1.3	1.0	0.9	1.0	1.2	1.3	1.3
60%	1.1	1.0	1.0	1.1	1.1	1.2	1.0	0.9	1.0	1.2	1.3	1.3
70%	1.1	0.9	1.0	1.0	1.1	1.0	0.9	0.9	1.0	1.2	1.3	1.3
80%	1.1	0.9	0.8	0.9	1.0	0.9	0.9	0.8	1.0	1.1	1.2	1.2
90%	1.0	0.9	0.8	0.9	0.9	0.9	0.7	0.8	0.9	1.1	1.2	1.2
Long Term												
Full Simulation Period[a]	1.2	1.1	1.2	1.4	1.6	1.5	1.1	1.0	1.1	1.3	1.3	1.4
Water Year Types[b]												
Wet (31%)	1.3	1.5	1.9	1.8	2.6	2.5	1.6	1.2	1.3	1.4	1.4	1.6
Above Normal (25%)	1.2	1.0	1.1	2.1	2.5	1.9	1.3	1.1	1.0	1.2	1.3	1.3
Below Normal (6%)	1.2	1.0	0.8	1.3	1.4	1.4	1.0	0.9	1.0	1.1	1.2	1.2
Dry (13%)	1.1	0.9	1.0	1.0	1.0	1.1	0.9	1.0	1.0	1.2	1.3	1.3
Critical (25%)	1.1	1.0	1.0	1.0	1.0	0.9	0.8	0.8	0.9	1.2	1.3	1.3

Alternative 4 H2 (LLT) minus Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	2.1	2.0	2.0	2.0	1.9	1.9	2.0	2.0	2.1	2.1	2.1	2.0
20%	2.1	2.0	2.1	2.0	2.1	2.0	2.1	2.2	2.1	2.1	2.1	2.1
30%	2.1	2.1	2.1	2.1	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.1
40%	2.2	2.1	2.1	2.1	2.1	2.0	2.1	2.1	2.1	2.1	2.1	2.1
50%	2.1	2.1	2.2	2.1	2.1	2.0	2.1	2.1	2.1	2.1	2.1	2.1
60%	2.1	2.1	2.1	2.2	2.1	2.0	2.1	2.1	2.1	2.1	2.1	2.1
70%	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
80%	2.1	2.1	2.1	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
90%	2.1	2.1	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
Long Term												
Full Simulation Period[a]	2.1	2.1	2.1	2.1	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.1
Water Year Types[b]												
Wet (31%)	2.1	2.0	2.1	2.1	1.9	1.9	2.0	2.0	2.0	2.1	2.1	2.0
Above Normal (25%)	2.1	2.1	2.1	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.0
Below Normal (6%)	2.1	2.1	2.1	2.1	1.9	2.0	2.1	2.1	2.1	2.1	2.1	2.1
Dry (13%)	2.1	2.1	2.1	2.1	2.1	2.0	2.1	2.1	2.1	2.1	2.1	2.1
Critical (25%)	2.1	2.1	2.1	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-32-2-7. Sacramento River at Rio Vista, Monthly Averaged Daily Minimum Elevation

Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	-0.7	-0.5	-0.1	0.2	1.2	0.5	-0.2	-0.7	-0.9	-0.6	-0.6	-0.5
20%	-0.9	-0.8	-0.9	-0.3	0.0	0.1	-0.9	-1.0	-1.0	-0.8	-0.7	-0.6
30%	-0.9	-1.0	-1.0	-0.5	-0.3	-0.4	-1.0	-1.1	-1.1	-0.9	-0.7	-0.7
40%	-1.0	-1.0	-1.0	-0.8	-0.8	-0.7	-1.1	-1.1	-1.1	-0.9	-0.7	-0.7
50%	-1.0	-1.1	-1.1	-1.0	-0.9	-0.7	-1.1	-1.2	-1.1	-0.9	-0.8	-0.8
60%	-1.0	-1.2	-1.1	-1.1	-1.0	-0.8	-1.1	-1.2	-1.1	-0.9	-0.8	-0.8
70%	-1.0	-1.2	-1.2	-1.1	-1.0	-1.0	-1.2	-1.2	-1.1	-0.9	-0.8	-0.8
80%	-1.0	-1.2	-1.3	-1.2	-1.1	-1.2	-1.2	-1.3	-1.2	-1.0	-0.8	-0.8
90%	-1.1	-1.3	-1.4	-1.3	-1.2	-1.2	-1.4	-1.4	-1.2	-1.0	-0.9	-0.9
Long Term												
Full Simulation Period[a]	-0.9	-1.0	-0.9	-0.7	-0.4	-0.5	-0.9	-1.1	-1.0	-0.9	-0.8	-0.7
Water Year Types[b]												
Wet (31%)	-0.8	-0.5	-0.2	-0.3	0.6	0.7	-0.4	-0.8	-0.7	-0.7	-0.6	-0.4
Above Normal (25%)	-1.0	-1.1	-1.0	0.2	0.4	-0.1	-0.8	-1.0	-1.1	-0.9	-0.7	-0.8
Below Normal (6%)	-0.8	-1.1	-1.3	-0.8	-0.6	-0.6	-1.1	-1.1	-1.1	-1.0	-0.8	-0.8
Dry (13%)	-1.0	-1.2	-1.1	-1.2	-1.1	-0.9	-1.2	-1.2	-1.1	-0.9	-0.8	-0.8
Critical (25%)	-1.0	-1.1	-1.2	-1.2	-1.1	-1.1	-1.3	-1.3	-1.2	-0.9	-0.8	-0.8

Alternative 4 H3 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.3	1.5	1.9	2.1	3.1	2.3	1.8	1.2	1.2	1.5	1.5	1.7
20%	1.2	1.2	1.2	1.7	2.1	2.0	1.1	1.1	1.1	1.3	1.4	1.4
30%	1.2	1.1	1.1	1.5	1.7	1.5	1.0	1.0	1.1	1.3	1.4	1.4
40%	1.2	1.1	1.1	1.3	1.3	1.3	1.0	0.9	1.0	1.3	1.4	1.4
50%	1.1	1.0	1.1	1.1	1.2	1.2	1.0	0.9	1.0	1.2	1.3	1.3
60%	1.1	1.0	1.1	1.1	1.1	1.2	0.9	0.9	1.0	1.2	1.3	1.3
70%	1.1	0.9	1.0	1.0	1.1	1.0	0.9	0.9	1.0	1.2	1.3	1.3
80%	1.1	0.9	0.8	0.9	1.0	0.9	0.8	0.8	1.0	1.2	1.2	1.3
90%	1.1	0.9	0.8	0.9	0.9	0.8	0.7	0.8	0.9	1.1	1.2	1.2
Long Term												
Full Simulation Period[a]	1.2	1.1	1.2	1.3	1.6	1.5	1.1	1.0	1.1	1.3	1.3	1.4
Water Year Types[b]												
Wet (31%)	1.3	1.4	1.9	1.8	2.6	2.5	1.6	1.2	1.3	1.4	1.4	1.7
Above Normal (25%)	1.2	1.0	1.1	2.1	2.4	1.9	1.2	1.1	1.0	1.2	1.3	1.3
Below Normal (6%)	1.2	1.1	0.8	1.3	1.4	1.3	1.0	0.9	1.0	1.1	1.2	1.2
Dry (13%)	1.1	1.0	1.0	1.0	1.0	1.1	0.9	1.0	1.0	1.2	1.3	1.3
Critical (25%)	1.1	1.0	1.0	1.0	1.0	0.9	0.8	0.8	0.9	1.2	1.3	1.3

Alternative 4 H3 (LLT) minus Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	2.0	2.0	2.0	1.9	1.9	1.9	2.0	2.0	2.1	2.1	2.1	2.1
20%	2.1	2.0	2.1	2.0	2.1	2.0	2.0	2.2	2.1	2.1	2.1	2.1
30%	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1
40%	2.2	2.1	2.1	2.1	2.1	2.0	2.1	2.1	2.1	2.1	2.1	2.1
50%	2.1	2.1	2.2	2.2	2.1	2.0	2.1	2.1	2.1	2.1	2.1	2.1
60%	2.1	2.2	2.2	2.2	2.1	2.0	2.1	2.1	2.1	2.1	2.1	2.1
70%	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
80%	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
90%	2.1	2.1	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
Long Term												
Full Simulation Period[a]	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1
Water Year Types[b]												
Wet (31%)	2.1	2.0	2.1	2.1	1.9	1.8	2.0	2.0	2.0	2.1	2.1	2.1
Above Normal (25%)	2.1	2.1	2.1	1.9	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1
Below Normal (6%)	2.1	2.1	2.1	2.1	1.9	2.0	2.1	2.0	2.1	2.1	2.0	2.1
Dry (13%)	2.1	2.1	2.1	2.1	2.1	2.0	2.1	2.1	2.1	2.1	2.1	2.1
Critical (25%)	2.1	2.1	2.1	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-32-2-8. Sacramento River at Rio Vista, Monthly Averaged Daily Minimum Elevation

Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	-0.7	-0.5	-0.1	0.2	1.2	0.5	-0.2	-0.7	-0.9	-0.6	-0.6	-0.5
20%	-0.9	-0.8	-0.9	-0.3	0.0	0.1	-0.9	-1.0	-1.0	-0.8	-0.7	-0.6
30%	-0.9	-1.0	-1.0	-0.5	-0.3	-0.4	-1.0	-1.1	-1.1	-0.9	-0.7	-0.7
40%	-1.0	-1.0	-1.0	-0.8	-0.8	-0.7	-1.1	-1.1	-1.1	-0.9	-0.7	-0.7
50%	-1.0	-1.1	-1.1	-1.0	-0.9	-0.7	-1.1	-1.2	-1.1	-0.9	-0.8	-0.8
60%	-1.0	-1.2	-1.1	-1.1	-1.0	-0.8	-1.1	-1.2	-1.1	-0.9	-0.8	-0.8
70%	-1.0	-1.2	-1.2	-1.1	-1.0	-1.0	-1.2	-1.2	-1.1	-0.9	-0.8	-0.8
80%	-1.0	-1.2	-1.3	-1.2	-1.1	-1.2	-1.2	-1.3	-1.2	-1.0	-0.8	-0.8
90%	-1.1	-1.3	-1.4	-1.3	-1.2	-1.2	-1.4	-1.4	-1.2	-1.0	-0.9	-0.9
Long Term												
Full Simulation Period[a]	-0.9	-1.0	-0.9	-0.7	-0.4	-0.5	-0.9	-1.1	-1.0	-0.9	-0.8	-0.7
Water Year Types[b]												
Wet (31%)	-0.8	-0.5	-0.2	-0.3	0.6	0.7	-0.4	-0.8	-0.7	-0.7	-0.6	-0.4
Above Normal (25%)	-1.0	-1.1	-1.0	0.2	0.4	-0.1	-0.8	-1.0	-1.1	-0.9	-0.7	-0.8
Below Normal (6%)	-0.8	-1.1	-1.3	-0.8	-0.6	-0.6	-1.1	-1.1	-1.1	-1.0	-0.8	-0.8
Dry (13%)	-1.0	-1.2	-1.1	-1.2	-1.1	-0.9	-1.2	-1.2	-1.1	-0.9	-0.8	-0.8
Critical (25%)	-1.0	-1.1	-1.2	-1.2	-1.1	-1.1	-1.3	-1.3	-1.2	-0.9	-0.8	-0.8

Alternative 4 H4 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.3	1.5	1.9	2.1	3.1	2.4	1.8	1.2	1.2	1.5	1.5	1.7
20%	1.2	1.2	1.2	1.7	2.1	2.0	1.2	1.1	1.1	1.3	1.4	1.4
30%	1.2	1.1	1.1	1.5	1.7	1.5	1.1	1.0	1.1	1.3	1.4	1.4
40%	1.2	1.1	1.1	1.3	1.3	1.3	1.0	0.9	1.0	1.2	1.4	1.4
50%	1.1	1.0	1.1	1.1	1.2	1.3	1.0	0.9	1.0	1.2	1.3	1.3
60%	1.1	1.0	1.0	1.1	1.1	1.2	1.0	0.9	1.0	1.2	1.3	1.3
70%	1.1	0.9	1.0	1.0	1.1	1.0	0.9	0.9	1.0	1.2	1.3	1.3
80%	1.1	0.9	0.8	0.9	1.0	0.9	0.9	0.8	1.0	1.1	1.2	1.3
90%	1.1	0.9	0.8	0.9	0.9	0.9	0.7	0.8	0.9	1.1	1.2	1.2
Long Term												
Full Simulation Period[a]	1.2	1.1	1.2	1.3	1.6	1.5	1.1	1.0	1.1	1.3	1.3	1.4
Water Year Types[b]												
Wet (31%)	1.3	1.4	1.9	1.8	2.6	2.5	1.6	1.2	1.3	1.4	1.4	1.7
Above Normal (25%)	1.2	1.0	1.1	2.1	2.4	1.9	1.3	1.1	1.0	1.2	1.3	1.3
Below Normal (6%)	1.2	1.1	0.8	1.3	1.4	1.3	1.0	0.9	1.0	1.1	1.2	1.2
Dry (13%)	1.1	1.0	1.0	1.0	1.0	1.1	0.9	1.0	1.0	1.2	1.3	1.3
Critical (25%)	1.1	1.0	1.0	1.0	1.0	0.9	0.8	0.8	0.9	1.2	1.3	1.3

Alternative 4 H4 (LLT) minus Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	2.0	2.0	2.0	2.0	1.9	1.9	2.0	2.0	2.1	2.1	2.1	2.1
20%	2.1	2.0	2.1	2.0	2.1	2.0	2.1	2.2	2.1	2.1	2.1	2.1
30%	2.1	2.1	2.1	2.1	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.1
40%	2.2	2.1	2.1	2.1	2.1	2.0	2.1	2.1	2.1	2.1	2.1	2.1
50%	2.1	2.1	2.2	2.1	2.1	2.0	2.1	2.1	2.1	2.1	2.1	2.1
60%	2.1	2.2	2.1	2.1	2.1	2.0	2.1	2.1	2.1	2.1	2.1	2.1
70%	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
80%	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
90%	2.1	2.1	2.1	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
Long Term												
Full Simulation Period[a]	2.1	2.1	2.1	2.1	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.1
Water Year Types[b]												
Wet (31%)	2.1	2.0	2.1	2.1	1.9	1.9	2.0	2.0	2.0	2.1	2.1	2.1
Above Normal (25%)	2.1	2.1	2.1	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.1
Below Normal (6%)	2.1	2.1	2.1	2.1	1.9	2.0	2.1	2.1	2.1	2.1	2.0	2.1
Dry (13%)	2.1	2.1	2.1	2.1	2.1	2.0	2.1	2.1	2.1	2.1	2.1	2.1
Critical (25%)	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-32-2-9. Sacramento River at Rio Vista, Monthly Averaged Daily Minimum Elevation

Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	-0.7	-0.5	-0.1	0.2	1.2	0.5	-0.2	-0.7	-0.9	-0.6	-0.6	-0.5
20%	-0.9	-0.8	-0.9	-0.3	0.0	0.1	-0.9	-1.0	-1.0	-0.8	-0.7	-0.6
30%	-0.9	-1.0	-1.0	-0.5	-0.3	-0.4	-1.0	-1.1	-1.1	-0.9	-0.7	-0.7
40%	-1.0	-1.0	-1.0	-0.8	-0.8	-0.7	-1.1	-1.1	-1.1	-0.9	-0.7	-0.7
50%	-1.0	-1.1	-1.1	-1.0	-0.9	-0.7	-1.1	-1.2	-1.1	-0.9	-0.8	-0.8
60%	-1.0	-1.2	-1.1	-1.1	-1.0	-0.8	-1.1	-1.2	-1.1	-0.9	-0.8	-0.8
70%	-1.0	-1.2	-1.2	-1.1	-1.0	-1.0	-1.2	-1.2	-1.1	-0.9	-0.8	-0.8
80%	-1.0	-1.2	-1.3	-1.2	-1.1	-1.2	-1.2	-1.3	-1.2	-1.0	-0.8	-0.8
90%	-1.1	-1.3	-1.4	-1.3	-1.2	-1.2	-1.4	-1.4	-1.2	-1.0	-0.9	-0.9
Long Term												
Full Simulation Period[a]	-0.9	-1.0	-0.9	-0.7	-0.4	-0.5	-0.9	-1.1	-1.0	-0.9	-0.8	-0.7
Water Year Types[b]												
Wet (31%)	-0.8	-0.5	-0.2	-0.3	0.6	0.7	-0.4	-0.8	-0.7	-0.7	-0.6	-0.4
Above Normal (25%)	-1.0	-1.1	-1.0	0.2	0.4	-0.1	-0.8	-1.0	-1.1	-0.9	-0.7	-0.8
Below Normal (6%)	-0.8	-1.1	-1.3	-0.8	-0.6	-0.6	-1.1	-1.1	-1.1	-1.0	-0.8	-0.8
Dry (13%)	-1.0	-1.2	-1.1	-1.2	-1.1	-0.9	-1.2	-1.2	-1.1	-0.9	-0.8	-0.8
Critical (25%)	-1.0	-1.1	-1.2	-1.2	-1.1	-1.1	-1.3	-1.3	-1.2	-0.9	-0.8	-0.8

Alternative 5 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.4	1.5	1.9	2.1	3.1	2.3	1.8	1.2	1.2	1.5	1.5	1.7
20%	1.2	1.2	1.2	1.8	2.1	2.1	1.1	1.1	1.1	1.3	1.4	1.4
30%	1.2	1.1	1.1	1.5	1.7	1.5	1.0	1.0	1.1	1.3	1.4	1.4
40%	1.2	1.1	1.1	1.3	1.3	1.3	1.0	0.9	1.0	1.3	1.4	1.4
50%	1.1	1.0	1.1	1.1	1.1	1.3	1.0	0.9	1.0	1.2	1.3	1.3
60%	1.1	1.0	1.0	1.1	1.1	1.2	1.0	0.9	1.0	1.2	1.3	1.3
70%	1.1	0.9	1.0	1.0	1.1	1.0	0.9	0.9	1.0	1.2	1.3	1.3
80%	1.1	0.9	0.8	0.9	1.0	0.9	0.8	0.8	1.0	1.2	1.2	1.3
90%	1.1	0.9	0.8	0.9	0.9	0.8	0.7	0.8	0.9	1.1	1.2	1.2
Long Term												
Full Simulation Period[a]	1.2	1.1	1.2	1.3	1.6	1.5	1.1	1.0	1.1	1.3	1.3	1.4
Water Year Types[b]												
Wet (31%)	1.3	1.5	1.9	1.8	2.6	2.5	1.6	1.2	1.3	1.4	1.4	1.7
Above Normal (25%)	1.1	1.0	1.1	2.1	2.4	1.9	1.2	1.1	1.0	1.2	1.3	1.3
Below Normal (6%)	1.2	1.1	0.8	1.3	1.4	1.4	1.0	0.9	1.0	1.1	1.2	1.2
Dry (13%)	1.1	1.0	1.0	1.0	1.0	1.1	0.9	1.0	1.0	1.2	1.3	1.3
Critical (25%)	1.1	1.0	1.0	1.0	1.0	0.9	0.8	0.8	0.9	1.2	1.3	1.3

Alternative 5 (LLT) minus Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	2.1	2.0	2.0	2.0	1.9	1.9	2.0	2.0	2.1	2.1	2.1	2.1
20%	2.1	2.0	2.1	2.0	2.1	2.0	2.1	2.1	2.1	2.1	2.1	2.1
30%	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1
40%	2.1	2.1	2.1	2.1	2.1	2.0	2.1	2.1	2.1	2.1	2.1	2.1
50%	2.1	2.1	2.2	2.2	2.1	2.0	2.1	2.1	2.1	2.1	2.1	2.1
60%	2.1	2.2	2.1	2.1	2.1	2.0	2.1	2.1	2.1	2.1	2.1	2.1
70%	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
80%	2.1	2.2	2.1	2.1	2.1	2.0	2.1	2.1	2.1	2.1	2.1	2.1
90%	2.1	2.1	2.1	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
Long Term												
Full Simulation Period[a]	2.1	2.1	2.1	2.1	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.1
Water Year Types[b]												
Wet (31%)	2.1	2.0	2.1	2.1	2.0	1.9	2.0	2.0	2.0	2.1	2.1	2.1
Above Normal (25%)	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1
Below Normal (6%)	2.1	2.1	2.1	2.1	1.9	2.0	2.1	2.0	2.1	2.1	2.1	2.1
Dry (13%)	2.1	2.1	2.1	2.1	2.1	2.0	2.1	2.1	2.2	2.1	2.1	2.1
Critical (25%)	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-32-2-10. Sacramento River at Rio Vista, Monthly Averaged Daily Minimum Elevation

Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	-0.7	-0.5	-0.1	0.2	1.2	0.5	-0.2	-0.7	-0.9	-0.6	-0.6	-0.5
20%	-0.9	-0.8	-0.9	-0.3	0.0	0.1	-0.9	-1.0	-1.0	-0.8	-0.7	-0.6
30%	-0.9	-1.0	-1.0	-0.5	-0.3	-0.4	-1.0	-1.1	-1.1	-0.9	-0.7	-0.7
40%	-1.0	-1.0	-1.0	-0.8	-0.8	-0.7	-1.1	-1.1	-1.1	-0.9	-0.7	-0.7
50%	-1.0	-1.1	-1.1	-1.0	-0.9	-0.7	-1.1	-1.2	-1.1	-0.9	-0.8	-0.8
60%	-1.0	-1.2	-1.1	-1.1	-1.0	-0.8	-1.1	-1.2	-1.1	-0.9	-0.8	-0.8
70%	-1.0	-1.2	-1.2	-1.1	-1.0	-1.0	-1.2	-1.2	-1.1	-0.9	-0.8	-0.8
80%	-1.0	-1.2	-1.3	-1.2	-1.1	-1.2	-1.2	-1.3	-1.2	-1.0	-0.8	-0.8
90%	-1.1	-1.3	-1.4	-1.3	-1.2	-1.2	-1.4	-1.4	-1.2	-1.0	-0.9	-0.9
Long Term												
Full Simulation Period[a]	-0.9	-1.0	-0.9	-0.7	-0.4	-0.5	-0.9	-1.1	-1.0	-0.9	-0.8	-0.7
Water Year Types[b]												
Wet (31%)	-0.8	-0.5	-0.2	-0.3	0.6	0.7	-0.4	-0.8	-0.7	-0.7	-0.6	-0.4
Above Normal (25%)	-1.0	-1.1	-1.0	0.2	0.4	-0.1	-0.8	-1.0	-1.1	-0.9	-0.7	-0.8
Below Normal (6%)	-0.8	-1.1	-1.3	-0.8	-0.6	-0.6	-1.1	-1.1	-1.1	-1.0	-0.8	-0.8
Dry (13%)	-1.0	-1.2	-1.1	-1.2	-1.1	-0.9	-1.2	-1.2	-1.1	-0.9	-0.8	-0.8
Critical (25%)	-1.0	-1.1	-1.2	-1.2	-1.1	-1.1	-1.3	-1.3	-1.2	-0.9	-0.8	-0.8

Alternative 6A,6B,6C (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.3	1.6	2.0	2.1	3.1	2.3	1.8	1.2	1.2	1.4	1.5	1.6
20%	1.2	1.2	1.2	1.8	2.1	2.0	1.1	1.1	1.1	1.3	1.4	1.4
30%	1.2	1.1	1.2	1.5	1.7	1.5	1.0	1.0	1.1	1.2	1.4	1.4
40%	1.2	1.1	1.2	1.3	1.3	1.3	1.0	1.0	1.0	1.2	1.3	1.3
50%	1.1	1.0	1.1	1.1	1.2	1.3	1.0	0.9	1.0	1.2	1.3	1.3
60%	1.1	1.0	1.1	1.1	1.1	1.2	1.0	0.9	1.0	1.2	1.3	1.3
70%	1.1	1.0	1.0	1.1	1.1	1.0	0.9	0.9	1.0	1.1	1.3	1.3
80%	1.1	0.9	0.9	0.9	1.0	0.9	0.8	0.8	1.0	1.1	1.2	1.3
90%	1.1	0.9	0.8	0.9	0.9	0.9	0.7	0.8	0.9	1.1	1.1	1.2
Long Term												
Full Simulation Period[a]	1.2	1.1	1.3	1.4	1.6	1.5	1.1	1.0	1.1	1.2	1.3	1.4
Water Year Types[b]												
Wet (31%)	1.3	1.5	1.9	1.8	2.6	2.5	1.6	1.2	1.3	1.4	1.4	1.6
Above Normal (25%)	1.1	1.0	1.2	2.1	2.4	1.9	1.2	1.1	1.0	1.2	1.3	1.3
Below Normal (6%)	1.2	1.1	0.9	1.4	1.4	1.4	1.0	0.9	1.0	1.1	1.2	1.2
Dry (13%)	1.1	1.0	1.0	1.0	1.0	1.1	0.9	0.9	1.0	1.2	1.3	1.3
Critical (25%)	1.1	1.0	1.0	1.0	1.0	0.9	0.8	0.8	0.9	1.2	1.3	1.3

Alternative 6A,6B,6C (LLT) minus Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	2.1	2.0	2.1	1.9	1.9	1.9	1.9	2.0	2.1	2.1	2.1	2.1
20%	2.1	2.0	2.1	2.0	2.1	2.0	2.0	2.1	2.1	2.1	2.1	2.1
30%	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1
40%	2.1	2.1	2.2	2.1	2.1	2.0	2.1	2.1	2.1	2.1	2.1	2.1
50%	2.1	2.1	2.2	2.2	2.1	2.0	2.1	2.1	2.1	2.1	2.1	2.1
60%	2.1	2.2	2.1	2.2	2.1	2.0	2.1	2.1	2.1	2.1	2.1	2.1
70%	2.1	2.1	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
80%	2.1	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
90%	2.1	2.1	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
Long Term												
Full Simulation Period[a]	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1
Water Year Types[b]												
Wet (31%)	2.1	2.0	2.1	2.1	1.9	1.9	2.0	2.0	2.0	2.1	2.1	2.1
Above Normal (25%)	2.1	2.1	2.2	1.9	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1
Below Normal (6%)	2.1	2.1	2.2	2.1	2.0	2.0	2.1	2.1	2.1	2.0	2.1	2.1
Dry (13%)	2.1	2.1	2.2	2.2	2.1	2.0	2.1	2.1	2.1	2.1	2.1	2.1
Critical (25%)	2.1	2.1	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-32-2-11. Sacramento River at Rio Vista, Monthly Averaged Daily Minimum Elevation

Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	-0.7	-0.5	-0.1	0.2	1.2	0.5	-0.2	-0.7	-0.9	-0.6	-0.6	-0.5
20%	-0.9	-0.8	-0.9	-0.3	0.0	0.1	-0.9	-1.0	-1.0	-0.8	-0.7	-0.6
30%	-0.9	-1.0	-1.0	-0.5	-0.3	-0.4	-1.0	-1.1	-1.1	-0.9	-0.7	-0.7
40%	-1.0	-1.0	-1.0	-0.8	-0.8	-0.7	-1.1	-1.1	-1.1	-0.9	-0.7	-0.7
50%	-1.0	-1.1	-1.1	-1.0	-0.9	-0.7	-1.1	-1.2	-1.1	-0.9	-0.8	-0.8
60%	-1.0	-1.2	-1.1	-1.1	-1.0	-0.8	-1.1	-1.2	-1.1	-0.9	-0.8	-0.8
70%	-1.0	-1.2	-1.2	-1.1	-1.0	-1.0	-1.2	-1.2	-1.1	-0.9	-0.8	-0.8
80%	-1.0	-1.2	-1.3	-1.2	-1.1	-1.2	-1.2	-1.3	-1.2	-1.0	-0.8	-0.8
90%	-1.1	-1.3	-1.4	-1.3	-1.2	-1.2	-1.4	-1.4	-1.2	-1.0	-0.9	-0.9
Long Term												
Full Simulation Period[a]	-0.9	-1.0	-0.9	-0.7	-0.4	-0.5	-0.9	-1.1	-1.0	-0.9	-0.8	-0.7
Water Year Types[b]												
Wet (31%)	-0.8	-0.5	-0.2	-0.3	0.6	0.7	-0.4	-0.8	-0.7	-0.7	-0.6	-0.4
Above Normal (25%)	-1.0	-1.1	-1.0	0.2	0.4	-0.1	-0.8	-1.0	-1.1	-0.9	-0.7	-0.8
Below Normal (6%)	-0.8	-1.1	-1.3	-0.8	-0.6	-0.6	-1.1	-1.1	-1.1	-1.0	-0.8	-0.8
Dry (13%)	-1.0	-1.2	-1.1	-1.2	-1.1	-0.9	-1.2	-1.2	-1.1	-0.9	-0.8	-0.8
Critical (25%)	-1.0	-1.1	-1.2	-1.2	-1.1	-1.1	-1.3	-1.3	-1.2	-0.9	-0.8	-0.8

Alternative 7 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.4	1.5	2.0	2.1	3.1	2.4	1.8	1.2	1.2	1.5	1.5	1.7
20%	1.2	1.2	1.2	1.8	2.1	2.0	1.1	1.1	1.1	1.3	1.4	1.4
30%	1.2	1.1	1.2	1.6	1.7	1.5	1.0	1.0	1.1	1.3	1.4	1.4
40%	1.2	1.1	1.2	1.3	1.3	1.3	1.0	1.0	1.0	1.2	1.4	1.4
50%	1.1	1.0	1.1	1.1	1.2	1.3	1.0	0.9	1.0	1.2	1.3	1.3
60%	1.1	1.0	1.1	1.1	1.1	1.2	1.0	0.9	1.0	1.2	1.3	1.3
70%	1.1	1.0	1.0	1.1	1.1	1.0	0.9	0.9	1.0	1.2	1.3	1.3
80%	1.1	0.9	0.9	0.9	1.0	0.9	0.8	0.8	1.0	1.2	1.2	1.3
90%	1.1	0.9	0.8	0.9	0.9	0.9	0.7	0.8	0.9	1.1	1.2	1.2
Long Term												
Full Simulation Period[a]	1.2	1.1	1.3	1.4	1.6	1.5	1.1	1.0	1.1	1.2	1.3	1.4
Water Year Types[b]												
Wet (31%)	1.3	1.5	1.9	1.8	2.6	2.5	1.6	1.2	1.3	1.4	1.4	1.7
Above Normal (25%)	1.1	1.0	1.2	2.1	2.4	1.9	1.2	1.1	1.0	1.2	1.3	1.3
Below Normal (6%)	1.2	1.1	0.9	1.4	1.4	1.4	1.0	0.9	1.0	1.1	1.2	1.2
Dry (13%)	1.1	1.0	1.0	1.0	1.0	1.1	0.9	0.9	1.0	1.2	1.3	1.3
Critical (25%)	1.1	1.0	1.0	1.0	1.0	0.9	0.8	0.8	1.0	1.2	1.3	1.3

Alternative 7 (LLT) minus Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	2.1	2.0	2.1	2.0	1.9	1.9	2.0	2.0	2.1	2.1	2.1	2.1
20%	2.1	2.0	2.1	2.0	2.1	1.9	2.1	2.1	2.1	2.1	2.1	2.1
30%	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.1	2.2	2.1	2.1	2.1
40%	2.1	2.1	2.2	2.1	2.1	2.0	2.1	2.1	2.1	2.1	2.1	2.1
50%	2.1	2.1	2.2	2.1	2.1	2.0	2.1	2.1	2.1	2.1	2.1	2.1
60%	2.1	2.2	2.1	2.2	2.1	2.0	2.1	2.1	2.1	2.1	2.1	2.1
70%	2.1	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.2	2.1	2.1	2.1
80%	2.1	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
90%	2.1	2.1	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
Long Term												
Full Simulation Period[a]	2.1	2.1	2.1	2.1	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.1
Water Year Types[b]												
Wet (31%)	2.1	2.0	2.1	2.1	1.9	1.8	2.0	2.0	2.0	2.1	2.1	2.1
Above Normal (25%)	2.1	2.1	2.2	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1
Below Normal (6%)	2.1	2.1	2.2	2.1	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.1
Dry (13%)	2.1	2.1	2.2	2.2	2.1	2.0	2.1	2.1	2.2	2.1	2.1	2.1
Critical (25%)	2.1	2.1	2.2	2.1	2.1	2.1	2.1	2.1	2.2	2.1	2.1	2.1

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-32-2-12. Sacramento River at Rio Vista, Monthly Averaged Daily Minimum Elevation

Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	-0.7	-0.5	-0.1	0.2	1.2	0.5	-0.2	-0.7	-0.9	-0.6	-0.6	-0.5
20%	-0.9	-0.8	-0.9	-0.3	0.0	0.1	-0.9	-1.0	-1.0	-0.8	-0.7	-0.6
30%	-0.9	-1.0	-1.0	-0.5	-0.3	-0.4	-1.0	-1.1	-1.1	-0.9	-0.7	-0.7
40%	-1.0	-1.0	-1.0	-0.8	-0.8	-0.7	-1.1	-1.1	-1.1	-0.9	-0.7	-0.7
50%	-1.0	-1.1	-1.1	-1.0	-0.9	-0.7	-1.1	-1.2	-1.1	-0.9	-0.8	-0.8
60%	-1.0	-1.2	-1.1	-1.1	-1.0	-0.8	-1.1	-1.2	-1.1	-0.9	-0.8	-0.8
70%	-1.0	-1.2	-1.2	-1.1	-1.0	-1.0	-1.2	-1.2	-1.1	-0.9	-0.8	-0.8
80%	-1.0	-1.2	-1.3	-1.2	-1.1	-1.2	-1.2	-1.3	-1.2	-1.0	-0.8	-0.8
90%	-1.1	-1.3	-1.4	-1.3	-1.2	-1.2	-1.4	-1.4	-1.2	-1.0	-0.9	-0.9
Long Term												
Full Simulation Period[a]	-0.9	-1.0	-0.9	-0.7	-0.4	-0.5	-0.9	-1.1	-1.0	-0.9	-0.8	-0.7
Water Year Types[b]												
Wet (31%)	-0.8	-0.5	-0.2	-0.3	0.6	0.7	-0.4	-0.8	-0.7	-0.7	-0.6	-0.4
Above Normal (25%)	-1.0	-1.1	-1.0	0.2	0.4	-0.1	-0.8	-1.0	-1.1	-0.9	-0.7	-0.8
Below Normal (6%)	-0.8	-1.1	-1.3	-0.8	-0.6	-0.6	-1.1	-1.1	-1.1	-1.0	-0.8	-0.8
Dry (13%)	-1.0	-1.2	-1.1	-1.2	-1.1	-0.9	-1.2	-1.2	-1.1	-0.9	-0.8	-0.8
Critical (25%)	-1.0	-1.1	-1.2	-1.2	-1.1	-1.1	-1.3	-1.3	-1.2	-0.9	-0.8	-0.8

Alternative 8 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.4	1.6	2.0	2.2	3.1	2.3	1.8	1.3	1.2	1.5	1.5	1.7
20%	1.2	1.2	1.2	1.8	2.2	2.0	1.1	1.1	1.1	1.3	1.4	1.4
30%	1.2	1.1	1.2	1.6	1.7	1.6	1.0	1.0	1.1	1.3	1.4	1.4
40%	1.2	1.1	1.2	1.3	1.3	1.3	1.0	1.0	1.0	1.2	1.3	1.4
50%	1.1	1.0	1.1	1.2	1.2	1.3	1.0	1.0	1.0	1.2	1.3	1.3
60%	1.1	1.0	1.1	1.1	1.2	1.3	1.0	0.9	1.0	1.2	1.3	1.3
70%	1.1	1.0	1.0	1.1	1.1	1.1	0.9	0.9	1.0	1.2	1.3	1.3
80%	1.1	0.9	0.9	0.9	1.0	0.9	0.9	0.8	1.0	1.1	1.2	1.3
90%	1.1	0.9	0.8	0.9	0.9	0.9	0.8	0.8	0.9	1.1	1.2	1.2
Long Term												
Full Simulation Period[a]	1.2	1.1	1.3	1.4	1.6	1.5	1.1	1.0	1.1	1.2	1.3	1.4
Water Year Types[b]												
Wet (31%)	1.3	1.5	1.9	1.8	2.6	2.5	1.6	1.2	1.3	1.4	1.4	1.7
Above Normal (25%)	1.1	1.0	1.2	2.2	2.4	1.9	1.3	1.1	1.0	1.2	1.3	1.3
Below Normal (6%)	1.2	1.1	0.9	1.4	1.4	1.4	1.0	1.0	1.0	1.1	1.2	1.2
Dry (13%)	1.1	1.0	1.0	1.0	1.0	1.2	0.9	0.9	1.0	1.2	1.3	1.3
Critical (25%)	1.1	1.0	1.0	1.0	1.0	0.9	0.9	0.8	1.0	1.2	1.3	1.3

Alternative 8 (LLT) minus Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	2.1	2.0	2.1	2.0	1.9	1.9	2.0	2.0	2.1	2.1	2.1	2.1
20%	2.1	2.0	2.1	2.0	2.2	1.9	2.1	2.1	2.1	2.1	2.1	2.1
30%	2.1	2.1	2.1	2.1	2.0	2.0	2.1	2.1	2.2	2.1	2.1	2.1
40%	2.1	2.1	2.2	2.1	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.1
50%	2.1	2.1	2.2	2.2	2.1	2.0	2.1	2.1	2.1	2.1	2.1	2.1
60%	2.1	2.2	2.1	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
70%	2.1	2.1	2.2	2.2	2.1	2.1	2.1	2.1	2.2	2.1	2.1	2.1
80%	2.1	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
90%	2.1	2.1	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
Long Term												
Full Simulation Period[a]	2.1	2.1	2.1	2.1	2.1	2.0	2.1	2.1	2.1	2.1	2.1	2.1
Water Year Types[b]												
Wet (31%)	2.1	2.0	2.1	2.1	1.9	1.8	2.0	2.0	2.0	2.1	2.1	2.1
Above Normal (25%)	2.1	2.1	2.2	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1
Below Normal (6%)	2.1	2.1	2.2	2.1	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.1
Dry (13%)	2.1	2.1	2.2	2.2	2.1	2.1	2.1	2.1	2.2	2.1	2.1	2.1
Critical (25%)	2.1	2.1	2.2	2.2	2.1	2.1	2.1	2.1	2.2	2.1	2.1	2.1

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-32-2-13. Sacramento River at Rio Vista, Monthly Averaged Daily Minimum Elevation

Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	-0.7	-0.5	-0.1	0.2	1.2	0.5	-0.2	-0.7	-0.9	-0.6	-0.6	-0.5
20%	-0.9	-0.8	-0.9	-0.3	0.0	0.1	-0.9	-1.0	-1.0	-0.8	-0.7	-0.6
30%	-0.9	-1.0	-1.0	-0.5	-0.3	-0.4	-1.0	-1.1	-1.1	-0.9	-0.7	-0.7
40%	-1.0	-1.0	-1.0	-0.8	-0.8	-0.7	-1.1	-1.1	-1.1	-0.9	-0.7	-0.7
50%	-1.0	-1.1	-1.1	-1.0	-0.9	-0.7	-1.1	-1.2	-1.1	-0.9	-0.8	-0.8
60%	-1.0	-1.2	-1.1	-1.1	-1.0	-0.8	-1.1	-1.2	-1.1	-0.9	-0.8	-0.8
70%	-1.0	-1.2	-1.2	-1.1	-1.0	-1.0	-1.2	-1.2	-1.1	-0.9	-0.8	-0.8
80%	-1.0	-1.2	-1.3	-1.2	-1.1	-1.2	-1.2	-1.3	-1.2	-1.0	-0.8	-0.8
90%	-1.1	-1.3	-1.4	-1.3	-1.2	-1.2	-1.4	-1.4	-1.2	-1.0	-0.9	-0.9
Long Term												
Full Simulation Period[a]	-0.9	-1.0	-0.9	-0.7	-0.4	-0.5	-0.9	-1.1	-1.0	-0.9	-0.8	-0.7
Water Year Types[b]												
Wet (31%)	-0.8	-0.5	-0.2	-0.3	0.6	0.7	-0.4	-0.8	-0.7	-0.7	-0.6	-0.4
Above Normal (25%)	-1.0	-1.1	-1.0	0.2	0.4	-0.1	-0.8	-1.0	-1.1	-0.9	-0.7	-0.8
Below Normal (6%)	-0.8	-1.1	-1.3	-0.8	-0.6	-0.6	-1.1	-1.1	-1.1	-1.0	-0.8	-0.8
Dry (13%)	-1.0	-1.2	-1.1	-1.2	-1.1	-0.9	-1.2	-1.2	-1.1	-0.9	-0.8	-0.8
Critical (25%)	-1.0	-1.1	-1.2	-1.2	-1.1	-1.1	-1.3	-1.3	-1.2	-0.9	-0.8	-0.8

Alternative 9 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.3	1.5	1.9	2.2	3.2	2.4	1.8	1.2	1.2	1.4	1.4	1.6
20%	1.2	1.2	1.1	1.8	2.2	2.1	1.1	1.1	1.1	1.2	1.4	1.4
30%	1.1	1.1	1.1	1.5	1.7	1.5	1.0	1.0	1.0	1.2	1.3	1.3
40%	1.1	1.1	1.1	1.3	1.3	1.3	1.0	0.9	1.0	1.2	1.3	1.3
50%	1.1	1.0	1.0	1.1	1.1	1.3	0.9	0.9	1.0	1.2	1.3	1.3
60%	1.1	1.0	1.0	1.0	1.1	1.2	0.9	0.9	1.0	1.2	1.3	1.3
70%	1.1	0.9	0.9	1.0	1.0	1.0	0.9	0.9	1.0	1.1	1.2	1.3
80%	1.0	0.9	0.8	0.9	0.9	0.8	0.8	0.8	1.0	1.1	1.2	1.2
90%	1.0	0.8	0.8	0.8	0.9	0.8	0.7	0.7	0.9	1.1	1.1	1.2
Long Term												
Full Simulation Period[a]	1.1	1.1	1.2	1.3	1.6	1.5	1.1	1.0	1.0	1.2	1.3	1.4
Water Year Types[b]												
Wet (31%)	1.3	1.4	1.9	1.8	2.6	2.5	1.6	1.2	1.3	1.4	1.4	1.6
Above Normal (25%)	1.1	0.9	1.1	2.2	2.5	1.9	1.2	1.0	1.0	1.2	1.3	1.2
Below Normal (6%)	1.1	1.0	0.8	1.3	1.4	1.4	0.9	0.9	1.0	1.0	1.2	1.2
Dry (13%)	1.1	0.9	0.9	0.9	1.0	1.1	0.9	0.9	1.0	1.1	1.2	1.3
Critical (25%)	1.1	1.0	0.9	0.9	1.0	0.9	0.8	0.8	0.9	1.2	1.3	1.3

Alternative 9 (LLT) minus Existing Condition

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	2.0	1.9	2.0	2.0	2.0	1.9	2.0	2.0	2.1	2.1	2.0	2.1
20%	2.0	1.9	2.1	2.1	2.1	2.0	2.0	2.1	2.1	2.1	2.1	2.0
30%	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.1	2.1	2.0	2.1
40%	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.1	2.1	2.1	2.0	2.1
50%	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.1	2.1	2.1	2.0	2.1
60%	2.1	2.2	2.1	2.1	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.1
70%	2.1	2.1	2.1	2.1	2.1	2.0	2.1	2.1	2.1	2.1	2.0	2.1
80%	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.1	2.1	2.1	2.0	2.0
90%	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0
Long Term												
Full Simulation Period[a]	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.1	2.1	2.1	2.0	2.1
Water Year Types[b]												
Wet (31%)	2.0	2.0	2.1	2.1	2.0	1.9	2.0	2.0	2.0	2.0	2.0	2.1
Above Normal (25%)	2.1	2.1	2.1	2.0	2.1	2.0	2.0	2.0	2.1	2.0	2.0	2.0
Below Normal (6%)	2.0	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.1	2.0	2.0	2.0
Dry (13%)	2.1	2.1	2.1	2.1	2.1	2.0	2.1	2.1	2.1	2.1	2.0	2.1
Critical (25%)	2.1	2.1	2.1	2.1	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.1

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-32-2-14. Sacramento River at Rio Vista, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0.6	0.7	1.1	1.4	2.6	1.7	1.1	0.5	0.4	0.7	0.7	0.9
20%	0.5	0.4	0.4	1.1	1.4	1.4	0.3	0.3	0.2	0.5	0.6	0.7
30%	0.4	0.3	0.3	0.8	1.0	0.8	0.3	0.2	0.2	0.5	0.6	0.6
40%	0.4	0.3	0.3	0.4	0.5	0.6	0.2	0.1	0.2	0.4	0.5	0.6
50%	0.3	0.2	0.2	0.3	0.4	0.5	0.2	0.1	0.2	0.4	0.5	0.6
60%	0.3	0.2	0.2	0.2	0.3	0.5	0.2	0.1	0.2	0.4	0.5	0.5
70%	0.3	0.1	0.1	0.2	0.3	0.3	0.1	0.1	0.1	0.4	0.5	0.5
80%	0.3	0.1	0.0	0.0	0.2	0.1	0.1	0.0	0.1	0.3	0.4	0.5
90%	0.3	0.0	-0.1	0.0	0.1	0.1	-0.1	-0.1	0.1	0.3	0.4	0.4
Long Term												
Full Simulation Period[a]	0.4	0.3	0.4	0.5	0.9	0.8	0.3	0.2	0.2	0.4	0.5	0.6
Water Year Types[b]												
Wet (31%)	0.5	0.7	1.1	1.0	2.0	1.9	0.9	0.4	0.5	0.6	0.7	0.9
Above Normal (25%)	0.4	0.2	0.3	1.4	1.8	1.2	0.5	0.3	0.2	0.4	0.6	0.6
Below Normal (6%)	0.5	0.3	0.0	0.5	0.7	0.6	0.2	0.1	0.2	0.3	0.5	0.5
Dry (13%)	0.3	0.1	0.1	0.1	0.2	0.4	0.1	0.1	0.2	0.4	0.5	0.5
Critical (25%)	0.3	0.2	0.1	0.1	0.2	0.2	0.0	0.0	0.1	0.4	0.5	0.5

Alternative 1A,1B,1C (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.4	1.5	1.9	2.1	3.1	2.4	1.8	1.2	1.2	1.5	1.5	1.5
20%	1.2	1.2	1.2	1.8	2.1	2.0	1.1	1.1	1.1	1.3	1.4	1.4
30%	1.2	1.1	1.1	1.5	1.7	1.6	1.0	1.0	1.0	1.3	1.4	1.4
40%	1.2	1.0	1.1	1.3	1.3	1.3	1.0	0.9	1.0	1.3	1.3	1.3
50%	1.1	1.0	1.1	1.1	1.1	1.3	1.0	0.9	1.0	1.2	1.3	1.3
60%	1.1	1.0	1.0	1.1	1.1	1.2	0.9	0.9	1.0	1.2	1.3	1.3
70%	1.1	0.9	1.0	1.0	1.1	1.0	0.9	0.9	1.0	1.2	1.2	1.3
80%	1.1	0.9	0.8	0.9	1.0	0.9	0.8	0.8	1.0	1.1	1.2	1.2
90%	1.1	0.9	0.8	0.9	0.9	0.9	0.7	0.8	0.9	1.1	1.2	1.2
Long Term												
Full Simulation Period[a]	1.2	1.1	1.2	1.3	1.6	1.5	1.1	1.0	1.1	1.3	1.3	1.4
Water Year Types[b]												
Wet (31%)	1.3	1.5	1.9	1.8	2.6	2.5	1.6	1.2	1.3	1.4	1.4	1.6
Above Normal (25%)	1.2	1.0	1.1	2.1	2.5	1.9	1.2	1.0	1.0	1.2	1.3	1.3
Below Normal (6%)	1.3	1.0	0.8	1.3	1.4	1.4	1.0	0.9	1.0	1.1	1.2	1.2
Dry (13%)	1.1	0.9	1.0	1.0	1.0	1.1	0.9	0.9	1.0	1.2	1.3	1.3
Critical (25%)	1.2	1.0	1.0	1.0	1.0	0.9	0.8	0.8	0.9	1.2	1.3	1.3

Alternative 1A,1B,1C (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0.8	0.8	0.8	0.7	0.5	0.6	0.7	0.7	0.8	0.8	0.8	0.6
20%	0.8	0.8	0.8	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8
30%	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.7
40%	0.8	0.8	0.8	0.9	0.8	0.7	0.8	0.8	0.8	0.8	0.8	0.7
50%	0.8	0.8	0.9	0.8	0.8	0.7	0.8	0.8	0.8	0.8	0.8	0.7
60%	0.8	0.8	0.8	0.8	0.8	0.7	0.8	0.8	0.8	0.8	0.8	0.8
70%	0.8	0.8	0.9	0.9	0.8	0.8	0.8	0.8	0.9	0.8	0.8	0.7
80%	0.8	0.9	0.8	0.8	0.8	0.7	0.8	0.8	0.8	0.8	0.7	0.7
90%	0.8	0.8	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7
Long Term												
Full Simulation Period[a]	0.8	0.8	0.8	0.8	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.7
Water Year Types[b]												
Wet (31%)	0.8	0.8	0.8	0.8	0.6	0.6	0.7	0.8	0.8	0.8	0.8	0.7
Above Normal (25%)	0.8	0.8	0.8	0.7	0.6	0.7	0.7	0.7	0.8	0.8	0.7	0.7
Below Normal (6%)	0.8	0.8	0.8	0.8	0.7	0.7	0.8	0.8	0.8	0.8	0.7	0.7
Dry (13%)	0.8	0.8	0.8	0.9	0.8	0.8	0.8	0.8	0.9	0.8	0.8	0.8
Critical (25%)	0.8	0.8	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-32-2-15. Sacramento River at Rio Vista, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0.6	0.7	1.1	1.4	2.6	1.7	1.1	0.5	0.4	0.7	0.7	0.9
20%	0.5	0.4	0.4	1.1	1.4	1.4	0.3	0.3	0.2	0.5	0.6	0.7
30%	0.4	0.3	0.3	0.8	1.0	0.8	0.3	0.2	0.2	0.5	0.6	0.6
40%	0.4	0.3	0.3	0.4	0.5	0.6	0.2	0.1	0.2	0.4	0.5	0.6
50%	0.3	0.2	0.2	0.3	0.4	0.5	0.2	0.1	0.2	0.4	0.5	0.6
60%	0.3	0.2	0.2	0.2	0.3	0.5	0.2	0.1	0.2	0.4	0.5	0.5
70%	0.3	0.1	0.1	0.2	0.3	0.3	0.1	0.1	0.1	0.4	0.5	0.5
80%	0.3	0.1	0.0	0.0	0.2	0.1	0.1	0.0	0.1	0.3	0.4	0.5
90%	0.3	0.0	-0.1	0.0	0.1	0.1	-0.1	-0.1	0.1	0.3	0.4	0.4
Long Term												
Full Simulation Period[a]	0.4	0.3	0.4	0.5	0.9	0.8	0.3	0.2	0.2	0.4	0.5	0.6
Water Year Types[b]												
Wet (31%)	0.5	0.7	1.1	1.0	2.0	1.9	0.9	0.4	0.5	0.6	0.7	0.9
Above Normal (25%)	0.4	0.2	0.3	1.4	1.8	1.2	0.5	0.3	0.2	0.4	0.6	0.6
Below Normal (6%)	0.5	0.3	0.0	0.5	0.7	0.6	0.2	0.1	0.2	0.3	0.5	0.5
Dry (13%)	0.3	0.1	0.1	0.1	0.2	0.4	0.1	0.1	0.2	0.4	0.5	0.5
Critical (25%)	0.3	0.2	0.1	0.1	0.2	0.2	0.0	0.0	0.1	0.4	0.5	0.5

Alternative 2A,2B,2C (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.4	1.5	1.9	2.1	3.1	2.3	1.8	1.2	1.2	1.5	1.5	1.7
20%	1.2	1.2	1.2	1.8	2.1	2.0	1.1	1.1	1.1	1.3	1.4	1.4
30%	1.2	1.1	1.1	1.5	1.7	1.5	1.0	1.0	1.1	1.3	1.4	1.4
40%	1.2	1.1	1.1	1.3	1.3	1.3	1.0	0.9	1.0	1.3	1.4	1.4
50%	1.1	1.0	1.1	1.1	1.2	1.3	1.0	0.9	1.0	1.2	1.3	1.3
60%	1.1	1.0	1.0	1.1	1.1	1.2	1.0	0.9	1.0	1.2	1.3	1.3
70%	1.1	0.9	1.0	1.1	1.1	1.0	0.9	0.9	1.0	1.2	1.3	1.3
80%	1.1	0.9	0.8	0.9	1.0	0.9	0.8	0.8	1.0	1.2	1.2	1.3
90%	1.1	0.9	0.8	0.9	0.9	0.9	0.7	0.8	0.9	1.1	1.2	1.2
Long Term												
Full Simulation Period[a]	1.2	1.1	1.2	1.3	1.6	1.5	1.1	1.0	1.1	1.3	1.3	1.4
Water Year Types[b]												
Wet (31%)	1.3	1.4	1.9	1.8	2.6	2.5	1.6	1.2	1.3	1.4	1.4	1.7
Above Normal (25%)	1.2	1.0	1.1	2.1	2.4	1.9	1.2	1.1	1.0	1.2	1.3	1.3
Below Normal (6%)	1.2	1.1	0.8	1.3	1.4	1.3	1.0	0.9	1.0	1.1	1.2	1.2
Dry (13%)	1.1	1.0	1.0	1.0	1.0	1.1	0.9	1.0	1.0	1.2	1.3	1.3
Critical (25%)	1.1	1.0	1.0	1.0	1.0	0.9	0.8	0.8	0.9	1.2	1.3	1.3

Alternative 2A,2B,2C (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0.8	0.8	0.8	0.7	0.5	0.6	0.7	0.7	0.8	0.8	0.8	0.7
20%	0.8	0.8	0.8	0.7	0.7	0.6	0.8	0.8	0.8	0.8	0.8	0.8
30%	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8
40%	0.8	0.8	0.8	0.8	0.8	0.7	0.8	0.8	0.8	0.8	0.8	0.8
50%	0.8	0.8	0.9	0.8	0.8	0.7	0.8	0.8	0.8	0.8	0.8	0.8
60%	0.8	0.8	0.9	0.9	0.8	0.7	0.8	0.8	0.8	0.8	0.8	0.8
70%	0.8	0.8	0.9	0.9	0.8	0.8	0.8	0.8	0.9	0.8	0.8	0.8
80%	0.8	0.8	0.8	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
90%	0.8	0.8	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Long Term												
Full Simulation Period[a]	0.8	0.8	0.8	0.8	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8
Water Year Types[b]												
Wet (31%)	0.8	0.8	0.7	0.8	0.6	0.6	0.7	0.8	0.8	0.8	0.8	0.8
Above Normal (25%)	0.8	0.8	0.8	0.7	0.6	0.7	0.7	0.8	0.8	0.8	0.8	0.8
Below Normal (6%)	0.7	0.8	0.8	0.8	0.7	0.7	0.8	0.8	0.8	0.8	0.7	0.8
Dry (13%)	0.8	0.8	0.9	0.9	0.8	0.7	0.8	0.8	0.9	0.8	0.8	0.8
Critical (25%)	0.8	0.8	0.9	0.9	0.8	0.8	0.8	0.8	0.9	0.8	0.8	0.8

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-32-2-16. Sacramento River at Rio Vista, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0.6	0.7	1.1	1.4	2.6	1.7	1.1	0.5	0.4	0.7	0.7	0.9
20%	0.5	0.4	0.4	1.1	1.4	1.4	0.3	0.3	0.2	0.5	0.6	0.7
30%	0.4	0.3	0.3	0.8	1.0	0.8	0.3	0.2	0.2	0.5	0.6	0.6
40%	0.4	0.3	0.3	0.4	0.5	0.6	0.2	0.1	0.2	0.4	0.5	0.6
50%	0.3	0.2	0.2	0.3	0.4	0.5	0.2	0.1	0.2	0.4	0.5	0.6
60%	0.3	0.2	0.2	0.2	0.3	0.5	0.2	0.1	0.2	0.4	0.5	0.5
70%	0.3	0.1	0.1	0.2	0.3	0.3	0.1	0.1	0.1	0.4	0.5	0.5
80%	0.3	0.1	0.0	0.0	0.2	0.1	0.1	0.0	0.1	0.3	0.4	0.5
90%	0.3	0.0	-0.1	0.0	0.1	0.1	-0.1	-0.1	0.1	0.3	0.4	0.4
Long Term												
Full Simulation Period[a]	0.4	0.3	0.4	0.5	0.9	0.8	0.3	0.2	0.2	0.4	0.5	0.6
Water Year Types[b]												
Wet (31%)	0.5	0.7	1.1	1.0	2.0	1.9	0.9	0.4	0.5	0.6	0.7	0.9
Above Normal (25%)	0.4	0.2	0.3	1.4	1.8	1.2	0.5	0.3	0.2	0.4	0.6	0.6
Below Normal (6%)	0.5	0.3	0.0	0.5	0.7	0.6	0.2	0.1	0.2	0.3	0.5	0.5
Dry (13%)	0.3	0.1	0.1	0.1	0.2	0.4	0.1	0.1	0.2	0.4	0.5	0.5
Critical (25%)	0.3	0.2	0.1	0.1	0.2	0.2	0.0	0.0	0.1	0.4	0.5	0.5

Alternative 3 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.3	1.5	1.9	2.1	3.1	2.4	1.8	1.2	1.2	1.5	1.5	1.6
20%	1.3	1.2	1.2	1.8	2.1	2.0	1.1	1.1	1.1	1.3	1.4	1.4
30%	1.2	1.1	1.1	1.5	1.7	1.6	1.0	1.0	1.0	1.3	1.4	1.4
40%	1.2	1.0	1.1	1.3	1.3	1.3	1.0	0.9	1.0	1.3	1.3	1.3
50%	1.1	1.0	1.1	1.1	1.1	1.3	1.0	0.9	1.0	1.2	1.3	1.3
60%	1.1	1.0	1.0	1.1	1.1	1.2	0.9	0.9	1.0	1.2	1.3	1.3
70%	1.1	0.9	1.0	1.0	1.1	1.0	0.9	0.9	1.0	1.2	1.3	1.3
80%	1.1	0.9	0.8	0.9	1.0	0.9	0.8	0.8	1.0	1.2	1.2	1.2
90%	1.1	0.9	0.8	0.9	0.9	0.9	0.7	0.8	0.9	1.1	1.2	1.2
Long Term												
Full Simulation Period[a]	1.2	1.1	1.2	1.3	1.6	1.5	1.1	1.0	1.1	1.3	1.3	1.4
Water Year Types[b]												
Wet (31%)	1.3	1.5	1.9	1.8	2.6	2.5	1.6	1.2	1.3	1.4	1.4	1.6
Above Normal (25%)	1.2	1.0	1.1	2.1	2.4	1.9	1.2	1.0	1.0	1.2	1.3	1.3
Below Normal (6%)	1.3	1.0	0.8	1.3	1.4	1.4	1.0	0.9	1.0	1.1	1.2	1.2
Dry (13%)	1.1	0.9	1.0	1.0	1.0	1.1	0.9	1.0	1.0	1.2	1.3	1.3
Critical (25%)	1.2	1.0	1.0	1.0	1.0	0.9	0.8	0.8	0.9	1.2	1.3	1.3

Alternative 3 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0.8	0.8	0.8	0.7	0.5	0.6	0.7	0.7	0.8	0.8	0.8	0.6
20%	0.8	0.8	0.8	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8
30%	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.7
40%	0.8	0.8	0.8	0.8	0.8	0.7	0.8	0.8	0.8	0.8	0.8	0.7
50%	0.8	0.8	0.9	0.8	0.8	0.7	0.8	0.8	0.8	0.8	0.8	0.8
60%	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
70%	0.8	0.8	0.9	0.8	0.8	0.8	0.8	0.8	0.9	0.8	0.8	0.8
80%	0.8	0.9	0.8	0.8	0.8	0.7	0.8	0.8	0.8	0.8	0.8	0.8
90%	0.8	0.8	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Long Term												
Full Simulation Period[a]	0.8	0.8	0.8	0.8	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.7
Water Year Types[b]												
Wet (31%)	0.8	0.8	0.8	0.8	0.6	0.6	0.7	0.8	0.8	0.8	0.8	0.7
Above Normal (25%)	0.8	0.8	0.8	0.7	0.6	0.7	0.7	0.7	0.8	0.8	0.8	0.7
Below Normal (6%)	0.8	0.8	0.8	0.8	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8
Dry (13%)	0.8	0.8	0.8	0.9	0.8	0.8	0.8	0.8	0.9	0.8	0.8	0.8
Critical (25%)	0.8	0.8	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-32-2-17. Sacramento River at Rio Vista, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0.6	0.7	1.1	1.4	2.6	1.7	1.1	0.5	0.4	0.7	0.7	0.9
20%	0.5	0.4	0.4	1.1	1.4	1.4	0.3	0.3	0.2	0.5	0.6	0.7
30%	0.4	0.3	0.3	0.8	1.0	0.8	0.3	0.2	0.2	0.5	0.6	0.6
40%	0.4	0.3	0.3	0.4	0.5	0.6	0.2	0.1	0.2	0.4	0.5	0.6
50%	0.3	0.2	0.2	0.3	0.4	0.5	0.2	0.1	0.2	0.4	0.5	0.6
60%	0.3	0.2	0.2	0.2	0.3	0.5	0.2	0.1	0.2	0.4	0.5	0.5
70%	0.3	0.1	0.1	0.2	0.3	0.3	0.1	0.1	0.1	0.4	0.5	0.5
80%	0.3	0.1	0.0	0.0	0.2	0.1	0.1	0.0	0.1	0.3	0.4	0.5
90%	0.3	0.0	-0.1	0.0	0.1	0.1	-0.1	-0.1	0.1	0.3	0.4	0.4
Long Term												
Full Simulation Period[a]	0.4	0.3	0.4	0.5	0.9	0.8	0.3	0.2	0.2	0.4	0.5	0.6
Water Year Types[b]												
Wet (31%)	0.5	0.7	1.1	1.0	2.0	1.9	0.9	0.4	0.5	0.6	0.7	0.9
Above Normal (25%)	0.4	0.2	0.3	1.4	1.8	1.2	0.5	0.3	0.2	0.4	0.6	0.6
Below Normal (6%)	0.5	0.3	0.0	0.5	0.7	0.6	0.2	0.1	0.2	0.3	0.5	0.5
Dry (13%)	0.3	0.1	0.1	0.1	0.2	0.4	0.1	0.1	0.2	0.4	0.5	0.5
Critical (25%)	0.3	0.2	0.1	0.1	0.2	0.2	0.0	0.0	0.1	0.4	0.5	0.5

Alternative 4 H1 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.4	1.5	1.9	2.1	3.1	2.3	1.8	1.2	1.2	1.5	1.5	1.6
20%	1.3	1.2	1.2	1.7	2.1	2.0	1.1	1.1	1.1	1.3	1.4	1.4
30%	1.2	1.1	1.1	1.5	1.7	1.5	1.0	1.0	1.1	1.3	1.4	1.4
40%	1.2	1.0	1.1	1.3	1.3	1.3	1.0	0.9	1.0	1.3	1.4	1.3
50%	1.1	1.0	1.1	1.1	1.2	1.3	1.0	0.9	1.0	1.2	1.3	1.3
60%	1.1	1.0	1.1	1.1	1.1	1.2	0.9	0.9	1.0	1.2	1.3	1.3
70%	1.1	0.9	1.0	1.0	1.1	1.0	0.9	0.9	1.0	1.2	1.3	1.3
80%	1.1	0.9	0.8	1.0	1.0	0.9	0.8	0.8	1.0	1.2	1.2	1.2
90%	1.1	0.9	0.8	0.9	0.9	0.8	0.7	0.8	0.9	1.1	1.2	1.2
Long Term												
Full Simulation Period[a]	1.2	1.1	1.2	1.4	1.6	1.5	1.1	1.0	1.1	1.3	1.3	1.4
Water Year Types[b]												
Wet (31%)	1.3	1.5	1.9	1.8	2.6	2.5	1.6	1.2	1.3	1.4	1.4	1.6
Above Normal (25%)	1.1	1.0	1.1	2.1	2.4	1.9	1.2	1.1	1.0	1.2	1.3	1.3
Below Normal (6%)	1.3	1.0	0.8	1.3	1.4	1.4	1.0	0.9	1.0	1.1	1.2	1.2
Dry (13%)	1.1	0.9	1.0	1.0	1.0	1.1	0.9	1.0	1.0	1.2	1.3	1.3
Critical (25%)	1.1	1.0	1.0	1.0	1.0	0.9	0.8	0.8	0.9	1.2	1.3	1.3

Alternative 4 H1 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0.8	0.8	0.8	0.7	0.5	0.6	0.7	0.7	0.8	0.8	0.8	0.6
20%	0.8	0.8	0.8	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8
30%	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8
40%	0.8	0.8	0.8	0.8	0.8	0.7	0.8	0.8	0.8	0.8	0.8	0.7
50%	0.8	0.8	0.9	0.8	0.8	0.7	0.8	0.8	0.8	0.8	0.8	0.8
60%	0.8	0.8	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
70%	0.8	0.8	0.9	0.8	0.8	0.8	0.8	0.8	0.9	0.8	0.8	0.8
80%	0.8	0.8	0.8	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
90%	0.8	0.8	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Long Term												
Full Simulation Period[a]	0.8	0.8	0.8	0.8	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.7
Water Year Types[b]												
Wet (31%)	0.8	0.8	0.8	0.8	0.6	0.6	0.7	0.8	0.8	0.8	0.8	0.7
Above Normal (25%)	0.8	0.8	0.8	0.7	0.6	0.7	0.7	0.8	0.8	0.8	0.8	0.7
Below Normal (6%)	0.8	0.8	0.8	0.8	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8
Dry (13%)	0.8	0.8	0.9	0.9	0.8	0.8	0.8	0.8	0.9	0.8	0.8	0.8
Critical (25%)	0.8	0.8	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-32-2-18. Sacramento River at Rio Vista, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0.6	0.7	1.1	1.4	2.6	1.7	1.1	0.5	0.4	0.7	0.7	0.9
20%	0.5	0.4	0.4	1.1	1.4	1.4	0.3	0.3	0.2	0.5	0.6	0.7
30%	0.4	0.3	0.3	0.8	1.0	0.8	0.3	0.2	0.2	0.5	0.6	0.6
40%	0.4	0.3	0.3	0.4	0.5	0.6	0.2	0.1	0.2	0.4	0.5	0.6
50%	0.3	0.2	0.2	0.3	0.4	0.5	0.2	0.1	0.2	0.4	0.5	0.6
60%	0.3	0.2	0.2	0.2	0.3	0.5	0.2	0.1	0.2	0.4	0.5	0.5
70%	0.3	0.1	0.1	0.2	0.3	0.3	0.1	0.1	0.1	0.4	0.5	0.5
80%	0.3	0.1	0.0	0.0	0.2	0.1	0.1	0.0	0.1	0.3	0.4	0.5
90%	0.3	0.0	-0.1	0.0	0.1	0.1	-0.1	-0.1	0.1	0.3	0.4	0.4
Long Term												
Full Simulation Period[a]	0.4	0.3	0.4	0.5	0.9	0.8	0.3	0.2	0.2	0.4	0.5	0.6
Water Year Types[b]												
Wet (31%)	0.5	0.7	1.1	1.0	2.0	1.9	0.9	0.4	0.5	0.6	0.7	0.9
Above Normal (25%)	0.4	0.2	0.3	1.4	1.8	1.2	0.5	0.3	0.2	0.4	0.6	0.6
Below Normal (6%)	0.5	0.3	0.0	0.5	0.7	0.6	0.2	0.1	0.2	0.3	0.5	0.5
Dry (13%)	0.3	0.1	0.1	0.1	0.2	0.4	0.1	0.1	0.2	0.4	0.5	0.5
Critical (25%)	0.3	0.2	0.1	0.1	0.2	0.2	0.0	0.0	0.1	0.4	0.5	0.5

Alternative 4 H2 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.4	1.5	1.9	2.1	3.1	2.4	1.8	1.2	1.2	1.5	1.5	1.6
20%	1.2	1.2	1.2	1.7	2.1	2.0	1.2	1.1	1.1	1.3	1.4	1.4
30%	1.2	1.1	1.2	1.5	1.7	1.5	1.1	1.0	1.1	1.3	1.4	1.4
40%	1.2	1.0	1.1	1.3	1.3	1.3	1.0	0.9	1.0	1.2	1.4	1.3
50%	1.1	1.0	1.1	1.1	1.2	1.3	1.0	0.9	1.0	1.2	1.3	1.3
60%	1.1	1.0	1.0	1.1	1.1	1.2	1.0	0.9	1.0	1.2	1.3	1.3
70%	1.1	0.9	1.0	1.0	1.1	1.0	0.9	0.9	1.0	1.2	1.3	1.3
80%	1.1	0.9	0.8	0.9	1.0	0.9	0.9	0.8	1.0	1.1	1.2	1.2
90%	1.0	0.9	0.8	0.9	0.9	0.9	0.7	0.8	0.9	1.1	1.2	1.2
Long Term												
Full Simulation Period[a]	1.2	1.1	1.2	1.4	1.6	1.5	1.1	1.0	1.1	1.3	1.3	1.4
Water Year Types[b]												
Wet (31%)	1.3	1.5	1.9	1.8	2.6	2.5	1.6	1.2	1.3	1.4	1.4	1.6
Above Normal (25%)	1.2	1.0	1.1	2.1	2.5	1.9	1.3	1.1	1.0	1.2	1.3	1.3
Below Normal (6%)	1.2	1.0	0.8	1.3	1.4	1.4	1.0	0.9	1.0	1.1	1.2	1.2
Dry (13%)	1.1	0.9	1.0	1.0	1.0	1.1	0.9	1.0	1.0	1.2	1.3	1.3
Critical (25%)	1.1	1.0	1.0	1.0	1.0	0.9	0.8	0.8	0.9	1.2	1.3	1.3

Alternative 4 H2 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0.8	0.8	0.8	0.7	0.5	0.6	0.7	0.7	0.8	0.8	0.8	0.6
20%	0.8	0.8	0.8	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8
30%	0.8	0.8	0.8	0.8	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8
40%	0.8	0.8	0.8	0.8	0.8	0.7	0.8	0.8	0.8	0.8	0.8	0.7
50%	0.8	0.8	0.9	0.8	0.8	0.7	0.8	0.8	0.8	0.8	0.8	0.8
60%	0.8	0.8	0.8	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
70%	0.8	0.8	0.9	0.8	0.8	0.8	0.8	0.8	0.9	0.8	0.8	0.8
80%	0.8	0.8	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
90%	0.8	0.8	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Long Term												
Full Simulation Period[a]	0.8	0.8	0.8	0.8	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.7
Water Year Types[b]												
Wet (31%)	0.8	0.8	0.8	0.8	0.6	0.6	0.7	0.8	0.8	0.8	0.8	0.7
Above Normal (25%)	0.8	0.8	0.8	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.7
Below Normal (6%)	0.7	0.8	0.9	0.8	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8
Dry (13%)	0.8	0.8	0.9	0.9	0.8	0.8	0.8	0.8	0.9	0.8	0.8	0.8
Critical (25%)	0.8	0.8	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-32-2-19. Sacramento River at Rio Vista, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0.6	0.7	1.1	1.4	2.6	1.7	1.1	0.5	0.4	0.7	0.7	0.9
20%	0.5	0.4	0.4	1.1	1.4	1.4	0.3	0.3	0.2	0.5	0.6	0.7
30%	0.4	0.3	0.3	0.8	1.0	0.8	0.3	0.2	0.2	0.5	0.6	0.6
40%	0.4	0.3	0.3	0.4	0.5	0.6	0.2	0.1	0.2	0.4	0.5	0.6
50%	0.3	0.2	0.2	0.3	0.4	0.5	0.2	0.1	0.2	0.4	0.5	0.6
60%	0.3	0.2	0.2	0.2	0.3	0.5	0.2	0.1	0.2	0.4	0.5	0.5
70%	0.3	0.1	0.1	0.2	0.3	0.3	0.1	0.1	0.1	0.4	0.5	0.5
80%	0.3	0.1	0.0	0.0	0.2	0.1	0.1	0.0	0.1	0.3	0.4	0.5
90%	0.3	0.0	-0.1	0.0	0.1	0.1	-0.1	-0.1	0.1	0.3	0.4	0.4
Long Term												
Full Simulation Period[a]	0.4	0.3	0.4	0.5	0.9	0.8	0.3	0.2	0.2	0.4	0.5	0.6
Water Year Types[b]												
Wet (31%)	0.5	0.7	1.1	1.0	2.0	1.9	0.9	0.4	0.5	0.6	0.7	0.9
Above Normal (25%)	0.4	0.2	0.3	1.4	1.8	1.2	0.5	0.3	0.2	0.4	0.6	0.6
Below Normal (6%)	0.5	0.3	0.0	0.5	0.7	0.6	0.2	0.1	0.2	0.3	0.5	0.5
Dry (13%)	0.3	0.1	0.1	0.1	0.2	0.4	0.1	0.1	0.2	0.4	0.5	0.5
Critical (25%)	0.3	0.2	0.1	0.1	0.2	0.2	0.0	0.0	0.1	0.4	0.5	0.5

Alternative 4 H3 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.3	1.5	1.9	2.1	3.1	2.3	1.8	1.2	1.2	1.5	1.5	1.7
20%	1.2	1.2	1.2	1.7	2.1	2.0	1.1	1.1	1.1	1.3	1.4	1.4
30%	1.2	1.1	1.1	1.5	1.7	1.5	1.0	1.0	1.1	1.3	1.4	1.4
40%	1.2	1.1	1.1	1.3	1.3	1.3	1.0	0.9	1.0	1.3	1.4	1.4
50%	1.1	1.0	1.1	1.1	1.2	1.2	1.0	0.9	1.0	1.2	1.3	1.3
60%	1.1	1.0	1.1	1.1	1.1	1.2	0.9	0.9	1.0	1.2	1.3	1.3
70%	1.1	0.9	1.0	1.0	1.1	1.0	0.9	0.9	1.0	1.2	1.3	1.3
80%	1.1	0.9	0.8	0.9	1.0	0.9	0.8	0.8	1.0	1.2	1.2	1.3
90%	1.1	0.9	0.8	0.9	0.9	0.8	0.7	0.8	0.9	1.1	1.2	1.2
Long Term												
Full Simulation Period[a]	1.2	1.1	1.2	1.3	1.6	1.5	1.1	1.0	1.1	1.3	1.3	1.4
Water Year Types[b]												
Wet (31%)	1.3	1.4	1.9	1.8	2.6	2.5	1.6	1.2	1.3	1.4	1.4	1.7
Above Normal (25%)	1.2	1.0	1.1	2.1	2.4	1.9	1.2	1.1	1.0	1.2	1.3	1.3
Below Normal (6%)	1.2	1.1	0.8	1.3	1.4	1.3	1.0	0.9	1.0	1.1	1.2	1.2
Dry (13%)	1.1	1.0	1.0	1.0	1.0	1.1	0.9	1.0	1.0	1.2	1.3	1.3
Critical (25%)	1.1	1.0	1.0	1.0	1.0	0.9	0.8	0.8	0.9	1.2	1.3	1.3

Alternative 4 H3 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0.8	0.8	0.8	0.7	0.5	0.6	0.7	0.7	0.8	0.8	0.8	0.7
20%	0.8	0.8	0.8	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8
30%	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8
40%	0.8	0.8	0.8	0.8	0.8	0.7	0.8	0.8	0.8	0.8	0.8	0.8
50%	0.8	0.8	0.9	0.8	0.8	0.7	0.8	0.8	0.8	0.8	0.8	0.8
60%	0.8	0.8	0.9	0.9	0.8	0.7	0.8	0.8	0.8	0.8	0.8	0.8
70%	0.8	0.8	0.9	0.8	0.8	0.8	0.8	0.8	0.9	0.8	0.8	0.8
80%	0.8	0.8	0.8	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
90%	0.8	0.8	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Long Term												
Full Simulation Period[a]	0.8	0.8	0.8	0.8	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8
Water Year Types[b]												
Wet (31%)	0.8	0.8	0.8	0.7	0.6	0.6	0.7	0.8	0.8	0.8	0.8	0.8
Above Normal (25%)	0.8	0.8	0.8	0.7	0.6	0.7	0.7	0.8	0.8	0.8	0.8	0.8
Below Normal (6%)	0.8	0.8	0.8	0.8	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8
Dry (13%)	0.8	0.8	0.9	0.9	0.8	0.7	0.8	0.8	0.9	0.8	0.8	0.8
Critical (25%)	0.8	0.8	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-32-2-20. Sacramento River at Rio Vista, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0.6	0.7	1.1	1.4	2.6	1.7	1.1	0.5	0.4	0.7	0.7	0.9
20%	0.5	0.4	0.4	1.1	1.4	1.4	0.3	0.3	0.2	0.5	0.6	0.7
30%	0.4	0.3	0.3	0.8	1.0	0.8	0.3	0.2	0.2	0.5	0.6	0.6
40%	0.4	0.3	0.3	0.4	0.5	0.6	0.2	0.1	0.2	0.4	0.5	0.6
50%	0.3	0.2	0.2	0.3	0.4	0.5	0.2	0.1	0.2	0.4	0.5	0.6
60%	0.3	0.2	0.2	0.2	0.3	0.5	0.2	0.1	0.2	0.4	0.5	0.5
70%	0.3	0.1	0.1	0.2	0.3	0.3	0.1	0.1	0.1	0.4	0.5	0.5
80%	0.3	0.1	0.0	0.0	0.2	0.1	0.1	0.0	0.1	0.3	0.4	0.5
90%	0.3	0.0	-0.1	0.0	0.1	0.1	-0.1	-0.1	0.1	0.3	0.4	0.4
Long Term												
Full Simulation Period[a]	0.4	0.3	0.4	0.5	0.9	0.8	0.3	0.2	0.2	0.4	0.5	0.6
Water Year Types[b]												
Wet (31%)	0.5	0.7	1.1	1.0	2.0	1.9	0.9	0.4	0.5	0.6	0.7	0.9
Above Normal (25%)	0.4	0.2	0.3	1.4	1.8	1.2	0.5	0.3	0.2	0.4	0.6	0.6
Below Normal (6%)	0.5	0.3	0.0	0.5	0.7	0.6	0.2	0.1	0.2	0.3	0.5	0.5
Dry (13%)	0.3	0.1	0.1	0.1	0.2	0.4	0.1	0.1	0.2	0.4	0.5	0.5
Critical (25%)	0.3	0.2	0.1	0.1	0.2	0.2	0.0	0.0	0.1	0.4	0.5	0.5

Alternative 4 H4 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.3	1.5	1.9	2.1	3.1	2.4	1.8	1.2	1.2	1.5	1.5	1.7
20%	1.2	1.2	1.2	1.7	2.1	2.0	1.2	1.1	1.1	1.3	1.4	1.4
30%	1.2	1.1	1.1	1.5	1.7	1.5	1.1	1.0	1.1	1.3	1.4	1.4
40%	1.2	1.1	1.1	1.3	1.3	1.3	1.0	0.9	1.0	1.2	1.4	1.4
50%	1.1	1.0	1.1	1.1	1.2	1.3	1.0	0.9	1.0	1.2	1.3	1.3
60%	1.1	1.0	1.0	1.1	1.1	1.2	1.0	0.9	1.0	1.2	1.3	1.3
70%	1.1	0.9	1.0	1.0	1.1	1.0	0.9	0.9	1.0	1.2	1.3	1.3
80%	1.1	0.9	0.8	0.9	1.0	0.9	0.9	0.8	1.0	1.1	1.2	1.3
90%	1.1	0.9	0.8	0.9	0.9	0.9	0.7	0.8	0.9	1.1	1.2	1.2
Long Term												
Full Simulation Period[a]	1.2	1.1	1.2	1.3	1.6	1.5	1.1	1.0	1.1	1.3	1.3	1.4
Water Year Types[b]												
Wet (31%)	1.3	1.4	1.9	1.8	2.6	2.5	1.6	1.2	1.3	1.4	1.4	1.7
Above Normal (25%)	1.2	1.0	1.1	2.1	2.4	1.9	1.3	1.1	1.0	1.2	1.3	1.3
Below Normal (6%)	1.2	1.1	0.8	1.3	1.4	1.3	1.0	0.9	1.0	1.1	1.2	1.2
Dry (13%)	1.1	1.0	1.0	1.0	1.0	1.1	0.9	1.0	1.0	1.2	1.3	1.3
Critical (25%)	1.1	1.0	1.0	1.0	1.0	0.9	0.8	0.8	0.9	1.2	1.3	1.3

Alternative 4 H4 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0.8	0.8	0.8	0.7	0.5	0.6	0.7	0.7	0.8	0.8	0.8	0.8
20%	0.8	0.8	0.8	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8
30%	0.8	0.8	0.8	0.8	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8
40%	0.8	0.8	0.8	0.8	0.8	0.7	0.8	0.8	0.8	0.8	0.8	0.8
50%	0.8	0.8	0.9	0.8	0.8	0.7	0.8	0.8	0.8	0.8	0.8	0.8
60%	0.8	0.8	0.8	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
70%	0.8	0.8	0.9	0.8	0.8	0.8	0.8	0.8	0.9	0.8	0.8	0.8
80%	0.8	0.8	0.8	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
90%	0.8	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Long Term												
Full Simulation Period[a]	0.8	0.8	0.8	0.8	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8
Water Year Types[b]												
Wet (31%)	0.8	0.8	0.8	0.8	0.6	0.6	0.7	0.8	0.8	0.8	0.8	0.8
Above Normal (25%)	0.8	0.8	0.8	0.7	0.6	0.7	0.8	0.8	0.8	0.8	0.8	0.8
Below Normal (6%)	0.7	0.8	0.8	0.8	0.7	0.7	0.8	0.8	0.8	0.8	0.7	0.8
Dry (13%)	0.8	0.8	0.9	0.9	0.8	0.8	0.8	0.8	0.9	0.8	0.8	0.8
Critical (25%)	0.8	0.8	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-32-2-21. Sacramento River at Rio Vista, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0.6	0.7	1.1	1.4	2.6	1.7	1.1	0.5	0.4	0.7	0.7	0.9
20%	0.5	0.4	0.4	1.1	1.4	1.4	0.3	0.3	0.2	0.5	0.6	0.7
30%	0.4	0.3	0.3	0.8	1.0	0.8	0.3	0.2	0.2	0.5	0.6	0.6
40%	0.4	0.3	0.3	0.4	0.5	0.6	0.2	0.1	0.2	0.4	0.5	0.6
50%	0.3	0.2	0.2	0.3	0.4	0.5	0.2	0.1	0.2	0.4	0.5	0.6
60%	0.3	0.2	0.2	0.2	0.3	0.5	0.2	0.1	0.2	0.4	0.5	0.5
70%	0.3	0.1	0.1	0.2	0.3	0.3	0.1	0.1	0.1	0.4	0.5	0.5
80%	0.3	0.1	0.0	0.0	0.2	0.1	0.1	0.0	0.1	0.3	0.4	0.5
90%	0.3	0.0	-0.1	0.0	0.1	0.1	-0.1	-0.1	0.1	0.3	0.4	0.4
Long Term												
Full Simulation Period[a]	0.4	0.3	0.4	0.5	0.9	0.8	0.3	0.2	0.2	0.4	0.5	0.6
Water Year Types[b]												
Wet (31%)	0.5	0.7	1.1	1.0	2.0	1.9	0.9	0.4	0.5	0.6	0.7	0.9
Above Normal (25%)	0.4	0.2	0.3	1.4	1.8	1.2	0.5	0.3	0.2	0.4	0.6	0.6
Below Normal (6%)	0.5	0.3	0.0	0.5	0.7	0.6	0.2	0.1	0.2	0.3	0.5	0.5
Dry (13%)	0.3	0.1	0.1	0.1	0.2	0.4	0.1	0.1	0.2	0.4	0.5	0.5
Critical (25%)	0.3	0.2	0.1	0.1	0.2	0.2	0.0	0.0	0.1	0.4	0.5	0.5

Alternative 5 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.4	1.5	1.9	2.1	3.1	2.3	1.8	1.2	1.2	1.5	1.5	1.7
20%	1.2	1.2	1.2	1.8	2.1	2.1	1.1	1.1	1.1	1.3	1.4	1.4
30%	1.2	1.1	1.1	1.5	1.7	1.5	1.0	1.0	1.1	1.3	1.4	1.4
40%	1.2	1.1	1.1	1.3	1.3	1.3	1.0	0.9	1.0	1.3	1.4	1.4
50%	1.1	1.0	1.1	1.1	1.1	1.3	1.0	0.9	1.0	1.2	1.3	1.3
60%	1.1	1.0	1.0	1.1	1.1	1.2	1.0	0.9	1.0	1.2	1.3	1.3
70%	1.1	0.9	1.0	1.0	1.1	1.0	0.9	0.9	1.0	1.2	1.3	1.3
80%	1.1	0.9	0.8	0.9	1.0	0.9	0.8	0.8	1.0	1.2	1.2	1.3
90%	1.1	0.9	0.8	0.9	0.9	0.8	0.7	0.8	0.9	1.1	1.2	1.2
Long Term												
Full Simulation Period[a]	1.2	1.1	1.2	1.3	1.6	1.5	1.1	1.0	1.1	1.3	1.3	1.4
Water Year Types[b]												
Wet (31%)	1.3	1.5	1.9	1.8	2.6	2.5	1.6	1.2	1.3	1.4	1.4	1.7
Above Normal (25%)	1.1	1.0	1.1	2.1	2.4	1.9	1.2	1.1	1.0	1.2	1.3	1.3
Below Normal (6%)	1.2	1.1	0.8	1.3	1.4	1.4	1.0	0.9	1.0	1.1	1.2	1.2
Dry (13%)	1.1	1.0	1.0	1.0	1.0	1.1	0.9	1.0	1.0	1.2	1.3	1.3
Critical (25%)	1.1	1.0	1.0	1.0	1.0	0.9	0.8	0.8	0.9	1.2	1.3	1.3

Alternative 5 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0.8	0.8	0.8	0.7	0.5	0.6	0.7	0.8	0.8	0.8	0.8	0.8
20%	0.8	0.8	0.8	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8
30%	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.8	0.9	0.8	0.8	0.8
40%	0.8	0.8	0.8	0.8	0.8	0.7	0.8	0.8	0.9	0.8	0.8	0.8
50%	0.8	0.8	0.9	0.8	0.8	0.7	0.8	0.8	0.8	0.8	0.8	0.8
60%	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
70%	0.8	0.8	0.9	0.9	0.8	0.8	0.8	0.8	0.9	0.8	0.8	0.8
80%	0.8	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
90%	0.8	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Long Term												
Full Simulation Period[a]	0.8	0.8	0.8	0.8	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8
Water Year Types[b]												
Wet (31%)	0.8	0.8	0.8	0.8	0.6	0.6	0.7	0.8	0.8	0.8	0.8	0.8
Above Normal (25%)	0.8	0.8	0.8	0.7	0.6	0.7	0.7	0.8	0.8	0.8	0.8	0.8
Below Normal (6%)	0.7	0.8	0.8	0.8	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8
Dry (13%)	0.8	0.8	0.8	0.9	0.8	0.8	0.8	0.8	0.9	0.8	0.8	0.8
Critical (25%)	0.8	0.8	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-32-2-22. Sacramento River at Rio Vista, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0.6	0.7	1.1	1.4	2.6	1.7	1.1	0.5	0.4	0.7	0.7	0.9
20%	0.5	0.4	0.4	1.1	1.4	1.4	0.3	0.3	0.2	0.5	0.6	0.7
30%	0.4	0.3	0.3	0.8	1.0	0.8	0.3	0.2	0.2	0.5	0.6	0.6
40%	0.4	0.3	0.3	0.4	0.5	0.6	0.2	0.1	0.2	0.4	0.5	0.6
50%	0.3	0.2	0.2	0.3	0.4	0.5	0.2	0.1	0.2	0.4	0.5	0.6
60%	0.3	0.2	0.2	0.2	0.3	0.5	0.2	0.1	0.2	0.4	0.5	0.5
70%	0.3	0.1	0.1	0.2	0.3	0.3	0.1	0.1	0.1	0.4	0.5	0.5
80%	0.3	0.1	0.0	0.0	0.2	0.1	0.1	0.0	0.1	0.3	0.4	0.5
90%	0.3	0.0	-0.1	0.0	0.1	0.1	-0.1	-0.1	0.1	0.3	0.4	0.4
Long Term												
Full Simulation Period[a]	0.4	0.3	0.4	0.5	0.9	0.8	0.3	0.2	0.2	0.4	0.5	0.6
Water Year Types[b]												
Wet (31%)	0.5	0.7	1.1	1.0	2.0	1.9	0.9	0.4	0.5	0.6	0.7	0.9
Above Normal (25%)	0.4	0.2	0.3	1.4	1.8	1.2	0.5	0.3	0.2	0.4	0.6	0.6
Below Normal (6%)	0.5	0.3	0.0	0.5	0.7	0.6	0.2	0.1	0.2	0.3	0.5	0.5
Dry (13%)	0.3	0.1	0.1	0.1	0.2	0.4	0.1	0.1	0.2	0.4	0.5	0.5
Critical (25%)	0.3	0.2	0.1	0.1	0.2	0.2	0.0	0.0	0.1	0.4	0.5	0.5

Alternative 6A,6B,6C (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.3	1.6	2.0	2.1	3.1	2.3	1.8	1.2	1.2	1.4	1.5	1.6
20%	1.2	1.2	1.2	1.8	2.1	2.0	1.1	1.1	1.1	1.3	1.4	1.4
30%	1.2	1.1	1.2	1.5	1.7	1.5	1.0	1.0	1.1	1.2	1.4	1.4
40%	1.2	1.1	1.2	1.3	1.3	1.3	1.0	1.0	1.0	1.2	1.3	1.3
50%	1.1	1.0	1.1	1.1	1.2	1.3	1.0	0.9	1.0	1.2	1.3	1.3
60%	1.1	1.0	1.1	1.1	1.1	1.2	1.0	0.9	1.0	1.2	1.3	1.3
70%	1.1	1.0	1.0	1.1	1.1	1.0	0.9	0.9	1.0	1.1	1.3	1.3
80%	1.1	0.9	0.9	0.9	1.0	0.9	0.8	0.8	1.0	1.1	1.2	1.3
90%	1.1	0.9	0.8	0.9	0.9	0.9	0.7	0.8	0.9	1.1	1.1	1.2
Long Term												
Full Simulation Period[a]	1.2	1.1	1.3	1.4	1.6	1.5	1.1	1.0	1.1	1.2	1.3	1.4
Water Year Types[b]												
Wet (31%)	1.3	1.5	1.9	1.8	2.6	2.5	1.6	1.2	1.3	1.4	1.4	1.6
Above Normal (25%)	1.1	1.0	1.2	2.1	2.4	1.9	1.2	1.1	1.0	1.2	1.3	1.3
Below Normal (6%)	1.2	1.1	0.9	1.4	1.4	1.4	1.0	0.9	1.0	1.1	1.2	1.2
Dry (13%)	1.1	1.0	1.0	1.0	1.0	1.1	0.9	0.9	1.0	1.2	1.3	1.3
Critical (25%)	1.1	1.0	1.0	1.0	1.0	0.9	0.8	0.8	0.9	1.2	1.3	1.3

Alternative 6A,6B,6C (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0.8	0.8	0.9	0.7	0.5	0.6	0.7	0.7	0.8	0.8	0.8	0.7
20%	0.8	0.8	0.8	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8
30%	0.8	0.8	0.9	0.8	0.7	0.7	0.7	0.8	0.9	0.8	0.8	0.8
40%	0.8	0.8	0.9	0.8	0.8	0.7	0.8	0.8	0.8	0.8	0.8	0.7
50%	0.8	0.8	0.9	0.8	0.8	0.7	0.8	0.8	0.8	0.8	0.8	0.8
60%	0.8	0.8	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
70%	0.8	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.9	0.8	0.8	0.8
80%	0.8	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
90%	0.8	0.8	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Long Term												
Full Simulation Period[a]	0.8	0.8	0.9	0.8	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8
Water Year Types[b]												
Wet (31%)	0.8	0.8	0.8	0.8	0.6	0.6	0.7	0.8	0.8	0.8	0.8	0.7
Above Normal (25%)	0.8	0.8	0.9	0.7	0.6	0.6	0.7	0.8	0.8	0.8	0.8	0.7
Below Normal (6%)	0.8	0.8	0.9	0.8	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8
Dry (13%)	0.8	0.8	0.9	0.9	0.8	0.8	0.8	0.8	0.9	0.8	0.8	0.8
Critical (25%)	0.8	0.8	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-32-2-23. Sacramento River at Rio Vista, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0.6	0.7	1.1	1.4	2.6	1.7	1.1	0.5	0.4	0.7	0.7	0.9
20%	0.5	0.4	0.4	1.1	1.4	1.4	0.3	0.3	0.2	0.5	0.6	0.7
30%	0.4	0.3	0.3	0.8	1.0	0.8	0.3	0.2	0.2	0.5	0.6	0.6
40%	0.4	0.3	0.3	0.4	0.5	0.6	0.2	0.1	0.2	0.4	0.5	0.6
50%	0.3	0.2	0.2	0.3	0.4	0.5	0.2	0.1	0.2	0.4	0.5	0.6
60%	0.3	0.2	0.2	0.2	0.3	0.5	0.2	0.1	0.2	0.4	0.5	0.5
70%	0.3	0.1	0.1	0.2	0.3	0.3	0.1	0.1	0.1	0.4	0.5	0.5
80%	0.3	0.1	0.0	0.0	0.2	0.1	0.1	0.0	0.1	0.3	0.4	0.5
90%	0.3	0.0	-0.1	0.0	0.1	0.1	-0.1	-0.1	0.1	0.3	0.4	0.4
Long Term												
Full Simulation Period[a]	0.4	0.3	0.4	0.5	0.9	0.8	0.3	0.2	0.2	0.4	0.5	0.6
Water Year Types[b]												
Wet (31%)	0.5	0.7	1.1	1.0	2.0	1.9	0.9	0.4	0.5	0.6	0.7	0.9
Above Normal (25%)	0.4	0.2	0.3	1.4	1.8	1.2	0.5	0.3	0.2	0.4	0.6	0.6
Below Normal (6%)	0.5	0.3	0.0	0.5	0.7	0.6	0.2	0.1	0.2	0.3	0.5	0.5
Dry (13%)	0.3	0.1	0.1	0.1	0.2	0.4	0.1	0.1	0.2	0.4	0.5	0.5
Critical (25%)	0.3	0.2	0.1	0.1	0.2	0.2	0.0	0.0	0.1	0.4	0.5	0.5

Alternative 7 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.4	1.5	2.0	2.1	3.1	2.4	1.8	1.2	1.2	1.5	1.5	1.7
20%	1.2	1.2	1.2	1.8	2.1	2.0	1.1	1.1	1.1	1.3	1.4	1.4
30%	1.2	1.1	1.2	1.6	1.7	1.5	1.0	1.0	1.1	1.3	1.4	1.4
40%	1.2	1.1	1.2	1.3	1.3	1.3	1.0	1.0	1.0	1.2	1.4	1.4
50%	1.1	1.0	1.1	1.1	1.2	1.3	1.0	0.9	1.0	1.2	1.3	1.3
60%	1.1	1.0	1.1	1.1	1.1	1.2	1.0	0.9	1.0	1.2	1.3	1.3
70%	1.1	1.0	1.0	1.1	1.1	1.0	0.9	0.9	1.0	1.2	1.3	1.3
80%	1.1	0.9	0.9	0.9	1.0	0.9	0.8	0.8	1.0	1.2	1.2	1.3
90%	1.1	0.9	0.8	0.9	0.9	0.9	0.7	0.8	0.9	1.1	1.2	1.2
Long Term												
Full Simulation Period[a]	1.2	1.1	1.3	1.4	1.6	1.5	1.1	1.0	1.1	1.2	1.3	1.4
Water Year Types[b]												
Wet (31%)	1.3	1.5	1.9	1.8	2.6	2.5	1.6	1.2	1.3	1.4	1.4	1.7
Above Normal (25%)	1.1	1.0	1.2	2.1	2.4	1.9	1.2	1.1	1.0	1.2	1.3	1.3
Below Normal (6%)	1.2	1.1	0.9	1.4	1.4	1.4	1.0	0.9	1.0	1.1	1.2	1.2
Dry (13%)	1.1	1.0	1.0	1.0	1.0	1.1	0.9	0.9	1.0	1.2	1.3	1.3
Critical (25%)	1.1	1.0	1.0	1.0	1.0	0.9	0.8	0.8	1.0	1.2	1.3	1.3

Alternative 7 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0.8	0.8	0.9	0.7	0.5	0.6	0.7	0.7	0.8	0.8	0.8	0.7
20%	0.8	0.8	0.8	0.7	0.7	0.6	0.8	0.8	0.8	0.8	0.8	0.8
30%	0.8	0.8	0.9	0.8	0.7	0.7	0.7	0.8	0.9	0.8	0.8	0.8
40%	0.8	0.8	0.9	0.8	0.8	0.7	0.8	0.8	0.8	0.8	0.8	0.8
50%	0.8	0.8	0.9	0.8	0.8	0.7	0.8	0.8	0.8	0.8	0.8	0.8
60%	0.8	0.8	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
70%	0.8	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.9	0.8	0.8	0.8
80%	0.8	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
90%	0.8	0.8	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Long Term												
Full Simulation Period[a]	0.8	0.8	0.9	0.8	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8
Water Year Types[b]												
Wet (31%)	0.8	0.8	0.8	0.8	0.6	0.6	0.7	0.8	0.8	0.8	0.8	0.8
Above Normal (25%)	0.8	0.8	0.9	0.7	0.6	0.6	0.7	0.8	0.8	0.8	0.8	0.8
Below Normal (6%)	0.7	0.8	0.9	0.8	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8
Dry (13%)	0.8	0.8	0.9	0.9	0.8	0.8	0.8	0.8	0.9	0.8	0.8	0.8
Critical (25%)	0.8	0.8	0.9	0.9	0.8	0.8	0.8	0.8	0.9	0.8	0.8	0.8

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-32-2-24. Sacramento River at Rio Vista, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0.6	0.7	1.1	1.4	2.6	1.7	1.1	0.5	0.4	0.7	0.7	0.9
20%	0.5	0.4	0.4	1.1	1.4	1.4	0.3	0.3	0.2	0.5	0.6	0.7
30%	0.4	0.3	0.3	0.8	1.0	0.8	0.3	0.2	0.2	0.5	0.6	0.6
40%	0.4	0.3	0.3	0.4	0.5	0.6	0.2	0.1	0.2	0.4	0.5	0.6
50%	0.3	0.2	0.2	0.3	0.4	0.5	0.2	0.1	0.2	0.4	0.5	0.6
60%	0.3	0.2	0.2	0.2	0.3	0.5	0.2	0.1	0.2	0.4	0.5	0.5
70%	0.3	0.1	0.1	0.2	0.3	0.3	0.1	0.1	0.1	0.4	0.5	0.5
80%	0.3	0.1	0.0	0.0	0.2	0.1	0.1	0.0	0.1	0.3	0.4	0.5
90%	0.3	0.0	-0.1	0.0	0.1	0.1	-0.1	-0.1	0.1	0.3	0.4	0.4
Long Term												
Full Simulation Period[a]	0.4	0.3	0.4	0.5	0.9	0.8	0.3	0.2	0.2	0.4	0.5	0.6
Water Year Types[b]												
Wet (31%)	0.5	0.7	1.1	1.0	2.0	1.9	0.9	0.4	0.5	0.6	0.7	0.9
Above Normal (25%)	0.4	0.2	0.3	1.4	1.8	1.2	0.5	0.3	0.2	0.4	0.6	0.6
Below Normal (6%)	0.5	0.3	0.0	0.5	0.7	0.6	0.2	0.1	0.2	0.3	0.5	0.5
Dry (13%)	0.3	0.1	0.1	0.1	0.2	0.4	0.1	0.1	0.2	0.4	0.5	0.5
Critical (25%)	0.3	0.2	0.1	0.1	0.2	0.2	0.0	0.0	0.1	0.4	0.5	0.5

Alternative 8 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.4	1.6	2.0	2.2	3.1	2.3	1.8	1.3	1.2	1.5	1.5	1.7
20%	1.2	1.2	1.2	1.8	2.2	2.0	1.1	1.1	1.1	1.3	1.4	1.4
30%	1.2	1.1	1.2	1.6	1.7	1.6	1.0	1.0	1.1	1.3	1.4	1.4
40%	1.2	1.1	1.2	1.3	1.3	1.3	1.0	1.0	1.0	1.2	1.3	1.4
50%	1.1	1.0	1.1	1.2	1.2	1.3	1.0	1.0	1.0	1.2	1.3	1.3
60%	1.1	1.0	1.1	1.1	1.2	1.3	1.0	0.9	1.0	1.2	1.3	1.3
70%	1.1	1.0	1.0	1.1	1.1	1.1	0.9	0.9	1.0	1.2	1.3	1.3
80%	1.1	0.9	0.9	0.9	1.0	0.9	0.9	0.8	1.0	1.1	1.2	1.3
90%	1.1	0.9	0.8	0.9	0.9	0.9	0.8	0.8	0.9	1.1	1.2	1.2
Long Term												
Full Simulation Period[a]	1.2	1.1	1.3	1.4	1.6	1.5	1.1	1.0	1.1	1.2	1.3	1.4
Water Year Types[b]												
Wet (31%)	1.3	1.5	1.9	1.8	2.6	2.5	1.6	1.2	1.3	1.4	1.4	1.7
Above Normal (25%)	1.1	1.0	1.2	2.2	2.4	1.9	1.3	1.1	1.0	1.2	1.3	1.3
Below Normal (6%)	1.2	1.1	0.9	1.4	1.4	1.4	1.0	1.0	1.0	1.1	1.2	1.2
Dry (13%)	1.1	1.0	1.0	1.0	1.0	1.2	0.9	0.9	1.0	1.2	1.3	1.3
Critical (25%)	1.1	1.0	1.0	1.0	1.0	0.9	0.9	0.8	1.0	1.2	1.3	1.3

Alternative 8 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0.8	0.8	0.9	0.8	0.5	0.6	0.7	0.8	0.8	0.8	0.8	0.7
20%	0.8	0.8	0.8	0.7	0.8	0.6	0.8	0.8	0.8	0.8	0.8	0.8
30%	0.8	0.8	0.9	0.8	0.7	0.7	0.8	0.8	0.9	0.8	0.8	0.8
40%	0.8	0.8	0.9	0.9	0.8	0.7	0.8	0.8	0.9	0.8	0.8	0.8
50%	0.8	0.8	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8
60%	0.8	0.8	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
70%	0.8	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.9	0.8	0.8	0.8
80%	0.8	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
90%	0.8	0.8	0.9	0.9	0.8	0.8	0.9	0.8	0.8	0.8	0.8	0.8
Long Term												
Full Simulation Period[a]	0.8	0.8	0.9	0.8	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8
Water Year Types[b]												
Wet (31%)	0.8	0.8	0.8	0.8	0.6	0.6	0.7	0.8	0.8	0.8	0.8	0.8
Above Normal (25%)	0.8	0.8	0.9	0.8	0.6	0.6	0.7	0.8	0.8	0.8	0.8	0.8
Below Normal (6%)	0.7	0.8	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Dry (13%)	0.8	0.8	0.9	0.9	0.9	0.8	0.8	0.8	0.9	0.8	0.8	0.8
Critical (25%)	0.8	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.9	0.8	0.8	0.8

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-32-2-25. Sacramento River at Rio Vista, Monthly Averaged Daily Minimum Elevation

No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0.6	0.7	1.1	1.4	2.6	1.7	1.1	0.5	0.4	0.7	0.7	0.9
20%	0.5	0.4	0.4	1.1	1.4	1.4	0.3	0.3	0.2	0.5	0.6	0.7
30%	0.4	0.3	0.3	0.8	1.0	0.8	0.3	0.2	0.2	0.5	0.6	0.6
40%	0.4	0.3	0.3	0.4	0.5	0.6	0.2	0.1	0.2	0.4	0.5	0.6
50%	0.3	0.2	0.2	0.3	0.4	0.5	0.2	0.1	0.2	0.4	0.5	0.6
60%	0.3	0.2	0.2	0.2	0.3	0.5	0.2	0.1	0.2	0.4	0.5	0.5
70%	0.3	0.1	0.1	0.2	0.3	0.3	0.1	0.1	0.1	0.4	0.5	0.5
80%	0.3	0.1	0.0	0.0	0.2	0.1	0.1	0.0	0.1	0.3	0.4	0.5
90%	0.3	0.0	-0.1	0.0	0.1	0.1	-0.1	-0.1	0.1	0.3	0.4	0.4
Long Term												
Full Simulation Period[a]	0.4	0.3	0.4	0.5	0.9	0.8	0.3	0.2	0.2	0.4	0.5	0.6
Water Year Types[b]												
Wet (31%)	0.5	0.7	1.1	1.0	2.0	1.9	0.9	0.4	0.5	0.6	0.7	0.9
Above Normal (25%)	0.4	0.2	0.3	1.4	1.8	1.2	0.5	0.3	0.2	0.4	0.6	0.6
Below Normal (6%)	0.5	0.3	0.0	0.5	0.7	0.6	0.2	0.1	0.2	0.3	0.5	0.5
Dry (13%)	0.3	0.1	0.1	0.1	0.2	0.4	0.1	0.1	0.2	0.4	0.5	0.5
Critical (25%)	0.3	0.2	0.1	0.1	0.2	0.2	0.0	0.0	0.1	0.4	0.5	0.5

Alternative 9 (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	1.3	1.5	1.9	2.2	3.2	2.4	1.8	1.2	1.2	1.4	1.4	1.6
20%	1.2	1.2	1.1	1.8	2.2	2.1	1.1	1.1	1.1	1.2	1.4	1.4
30%	1.1	1.1	1.1	1.5	1.7	1.5	1.0	1.0	1.0	1.2	1.3	1.3
40%	1.1	1.1	1.1	1.3	1.3	1.3	1.0	0.9	1.0	1.2	1.3	1.3
50%	1.1	1.0	1.0	1.1	1.1	1.3	0.9	0.9	1.0	1.2	1.3	1.3
60%	1.1	1.0	1.0	1.0	1.1	1.2	0.9	0.9	1.0	1.2	1.3	1.3
70%	1.1	0.9	0.9	1.0	1.0	1.0	0.9	0.9	1.0	1.1	1.2	1.3
80%	1.0	0.9	0.8	0.9	0.9	0.8	0.8	0.8	1.0	1.1	1.2	1.2
90%	1.0	0.8	0.8	0.8	0.9	0.8	0.7	0.7	0.9	1.1	1.1	1.2
Long Term												
Full Simulation Period[a]	1.1	1.1	1.2	1.3	1.6	1.5	1.1	1.0	1.0	1.2	1.3	1.4
Water Year Types[b]												
Wet (31%)	1.3	1.4	1.9	1.8	2.6	2.5	1.6	1.2	1.3	1.4	1.4	1.6
Above Normal (25%)	1.1	0.9	1.1	2.2	2.5	1.9	1.2	1.0	1.0	1.2	1.3	1.2
Below Normal (6%)	1.1	1.0	0.8	1.3	1.4	1.4	0.9	0.9	1.0	1.0	1.2	1.2
Dry (13%)	1.1	0.9	0.9	0.9	1.0	1.1	0.9	0.9	1.0	1.1	1.2	1.3
Critical (25%)	1.1	1.0	0.9	0.9	1.0	0.9	0.8	0.8	0.9	1.2	1.3	1.3

Alternative 9 (LLT) minus No Action Alternative (LLT)

	Monthly Averaged Daily Minimum Elevation (FEET)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	0.7	0.8	0.8	0.8	0.5	0.7	0.7	0.8	0.8	0.8	0.7	0.7
20%	0.7	0.8	0.8	0.8	0.8	0.7	0.8	0.8	0.8	0.7	0.8	0.7
30%	0.7	0.8	0.8	0.8	0.7	0.7	0.7	0.8	0.8	0.7	0.7	0.7
40%	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.8	0.8	0.8	0.7	0.7
50%	0.8	0.7	0.8	0.8	0.8	0.7	0.7	0.8	0.8	0.8	0.7	0.7
60%	0.8	0.8	0.8	0.8	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.7
70%	0.7	0.8	0.8	0.8	0.8	0.7	0.8	0.8	0.8	0.7	0.7	0.7
80%	0.7	0.8	0.8	0.8	0.8	0.7	0.7	0.8	0.8	0.8	0.7	0.7
90%	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7
Long Term												
Full Simulation Period[a]	0.7	0.8	0.8	0.8	0.7	0.7	0.7	0.8	0.8	0.8	0.7	0.7
Water Year Types[b]												
Wet (31%)	0.7	0.8	0.8	0.8	0.6	0.6	0.7	0.8	0.8	0.8	0.7	0.7
Above Normal (25%)	0.7	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.8	0.7	0.7	0.7
Below Normal (6%)	0.7	0.7	0.8	0.8	0.7	0.7	0.7	0.8	0.8	0.7	0.7	0.7
Dry (13%)	0.8	0.8	0.8	0.8	0.8	0.7	0.8	0.8	0.8	0.8	0.7	0.8
Critical (25%)	0.8	0.8	0.8	0.8	0.8	0.7	0.8	0.8	0.8	0.8	0.8	0.8

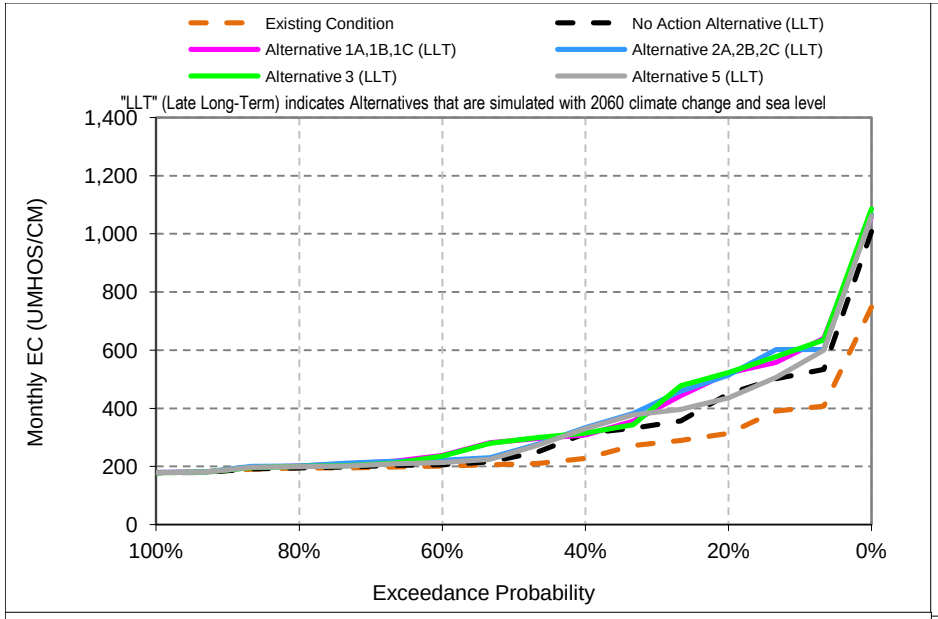
a Based on the 16-year simulation period

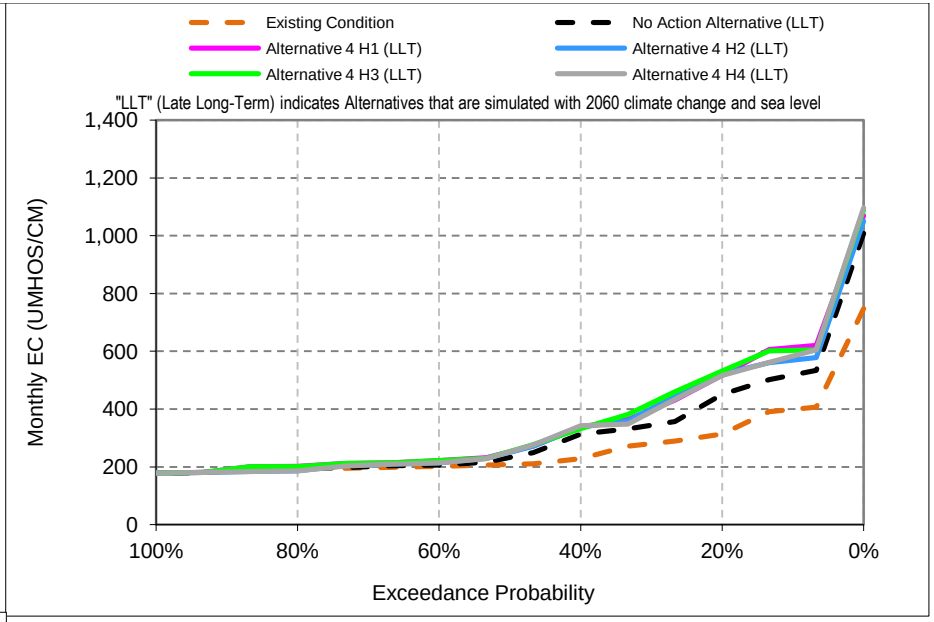
b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

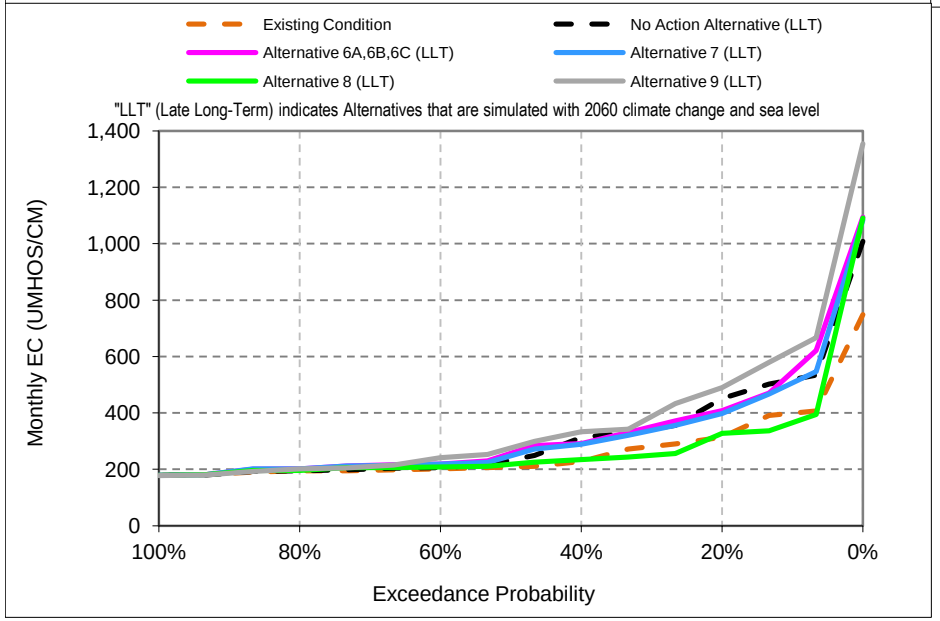
The Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

C.33. Sacramento River at Emmaton Salinity



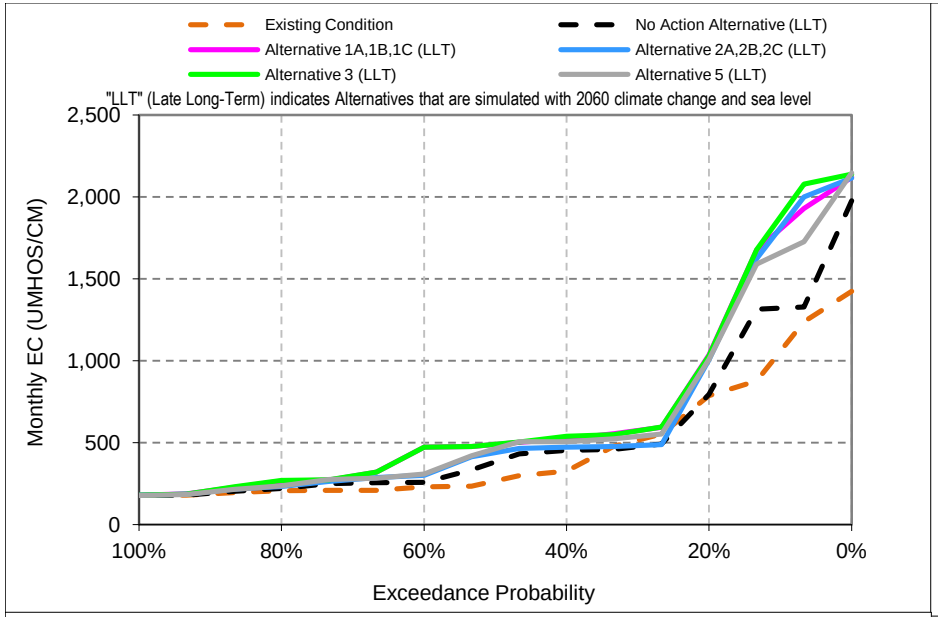


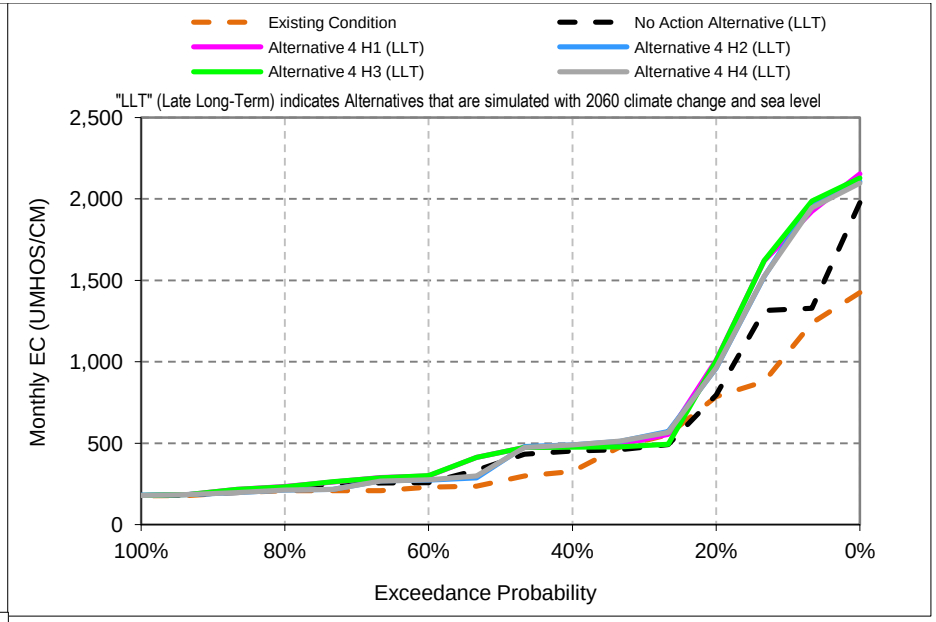


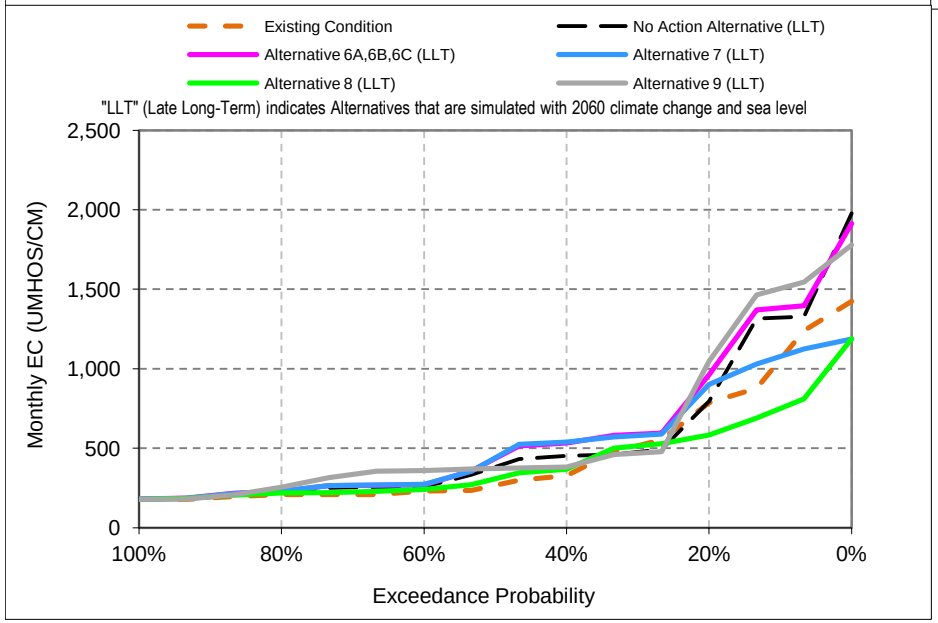
Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-33-1. Sacramento River at Emmaton, April EC



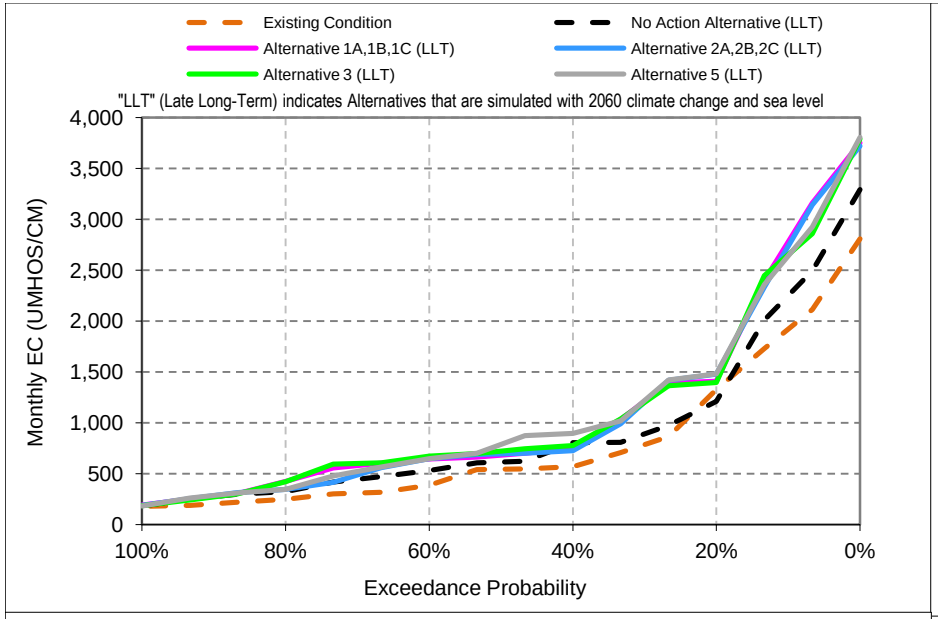


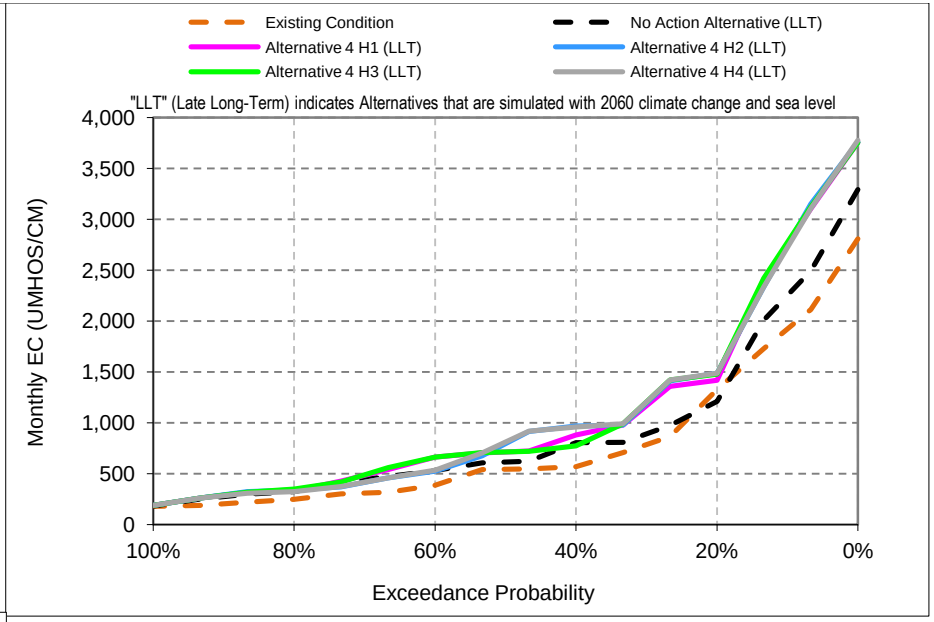


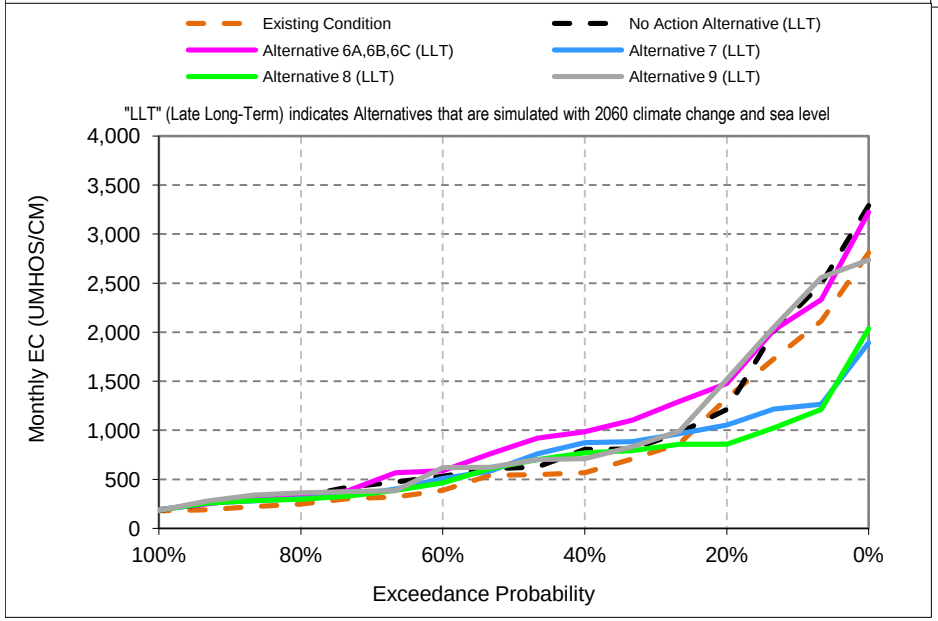
Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-33-2. Sacramento River at Emmaton, May EC



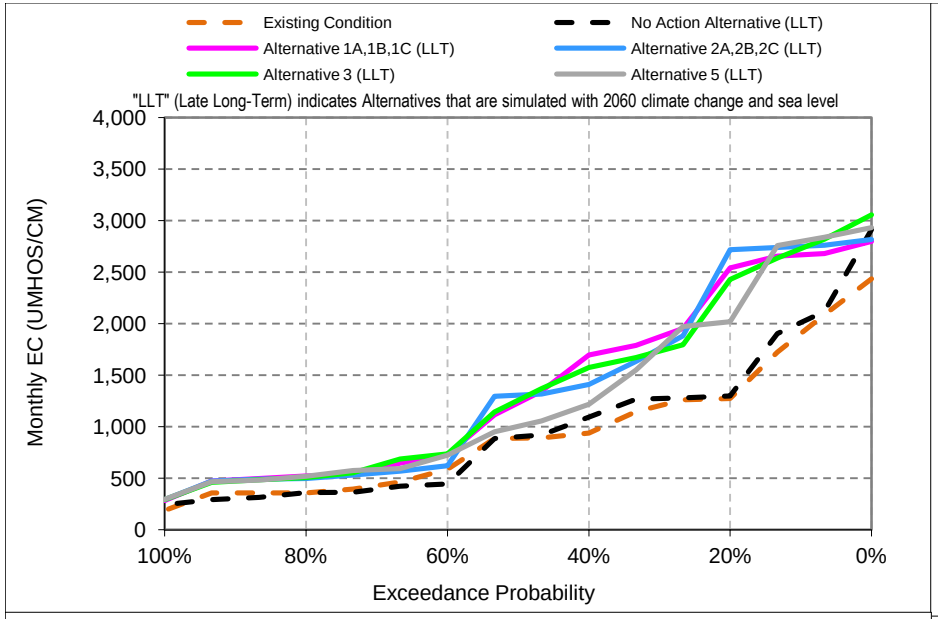


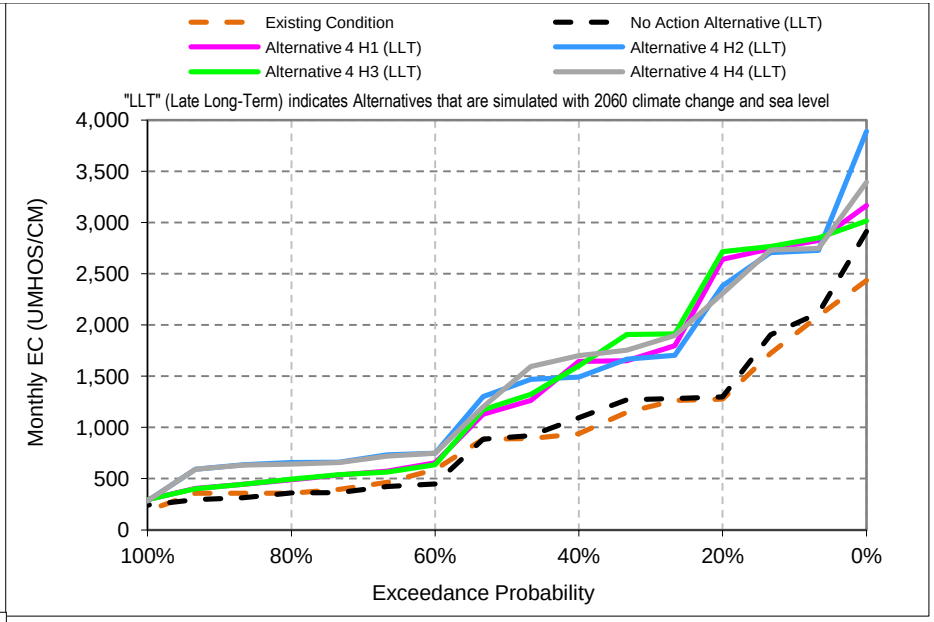


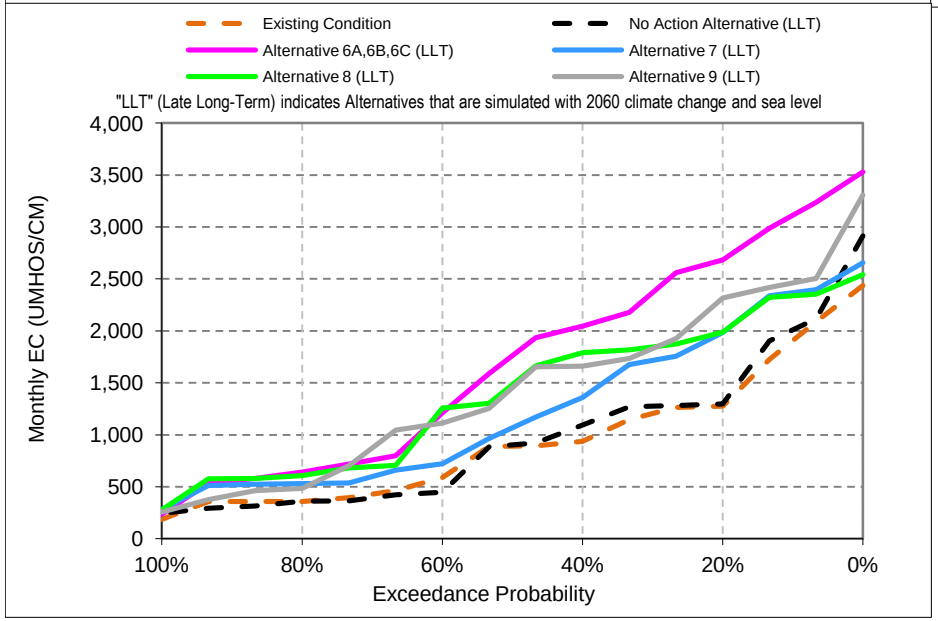
Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-33-3. Sacramento River at Emmaton, June EC



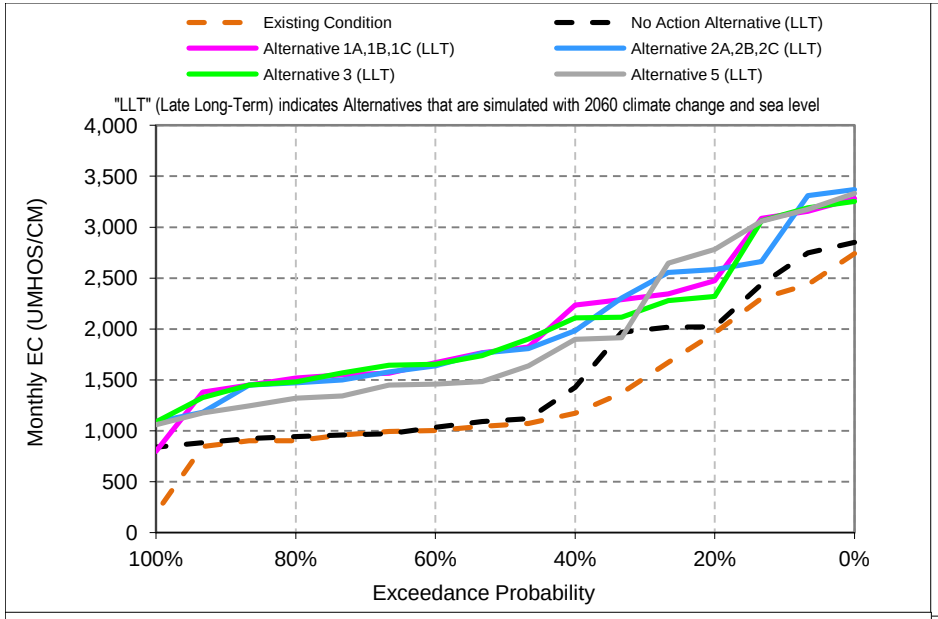


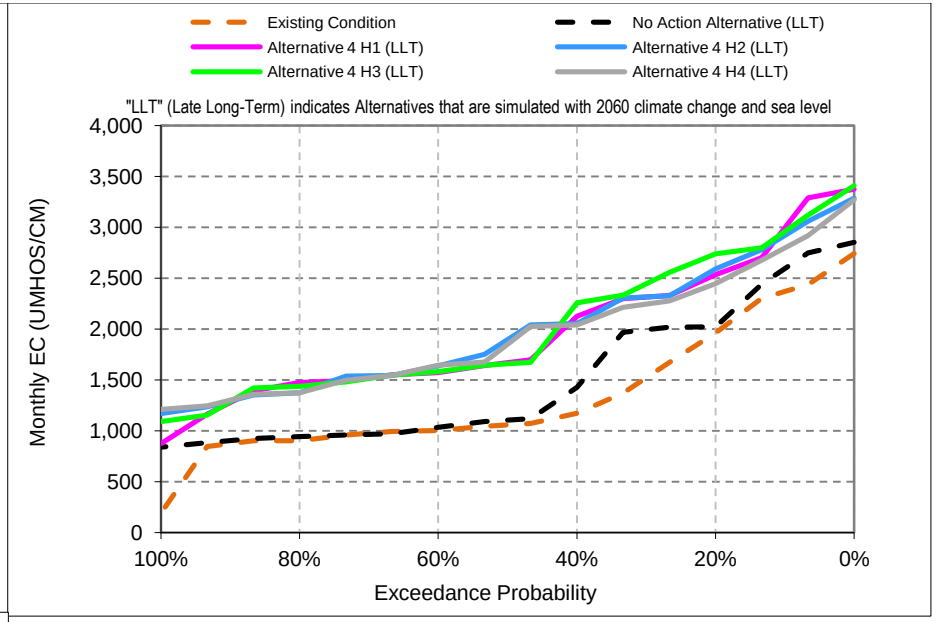


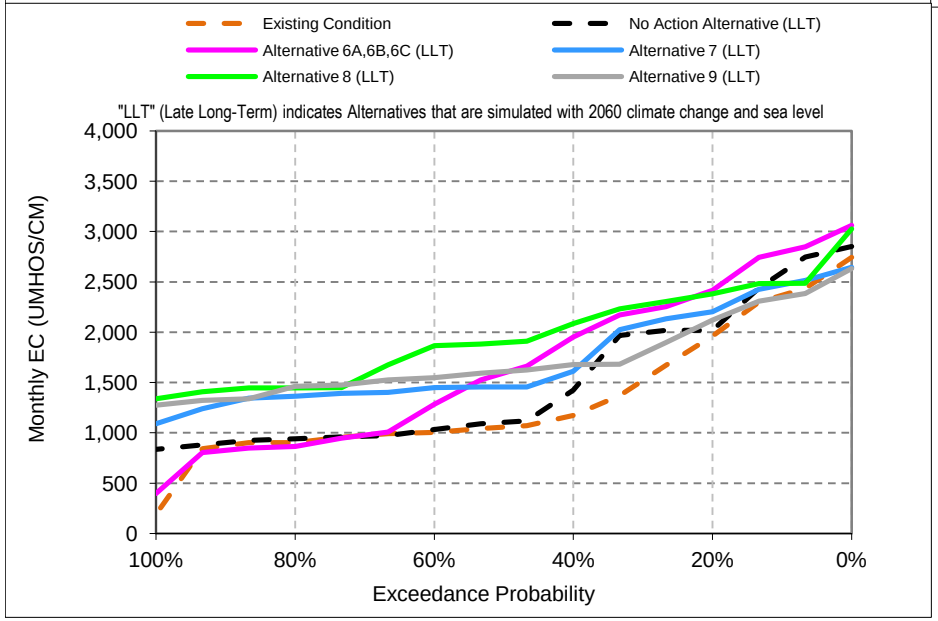
Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-33-4. Sacramento River at Emmaton, July EC







Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-33-5. Sacramento River at Emmaton, August EC

Table C-33-1. Sacramento River at Emmaton, Monthly EC

Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,462	3,217	2,195	1,281	947	429	399	1,058	1,921	1,906	2,367	3,248
20%	2,966	2,928	1,950	872	616	295	314	787	1,328	1,275	1,961	3,130
30%	2,828	2,711	1,919	794	321	263	281	516	787	1,205	1,521	2,583
40%	2,685	2,585	1,806	576	285	230	228	327	568	938	1,172	2,358
50%	2,477	2,560	1,023	472	236	206	208	268	545	890	1,057	2,179
60%	2,022	2,463	830	281	199	192	202	231	388	589	1,003	1,986
70%	1,607	1,448	789	249	192	189	197	209	311	430	974	1,791
80%	1,444	741	204	198	186	185	195	208	247	359	902	1,595
90%	336	389	182	194	184	182	186	188	205	357	873	836
Long Term												
Full Simulation Period[a]	2,182	2,096	1,250	613	405	271	275	477	816	960	1,347	2,134
Water Year Types[b]												
Wet (31%)	1,414	1,125	337	245	184	183	190	200	265	351	758	1,026
Above Normal (25%)	3,219	2,485	1,408	222	194	188	195	202	234	358	986	1,594
Below Normal (6%)	1,624	2,548	2,161	787	242	193	206	209	319	589	957	2,358
Dry (13%)	2,097	2,443	1,385	643	422	219	230	335	592	966	1,122	2,123
Critical (25%)	2,560	2,349	1,626	1,004	685	431	426	976	1,768	1,757	2,222	3,199

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,246	3,738	3,029	1,137	1,135	609	518	1,322	2,252	2,010	2,593	3,748
20%	2,527	2,815	2,418	886	571	401	451	795	1,212	1,298	2,019	3,592
30%	2,421	2,699	1,743	795	401	371	344	476	891	1,275	1,992	3,325
40%	2,315	2,568	1,022	758	388	253	313	453	805	1,095	1,425	2,876
50%	2,146	1,681	976	580	321	228	233	383	616	903	1,104	2,806
60%	650	712	904	448	211	199	206	258	531	447	1,034	2,559
70%	480	554	720	264	191	190	201	254	446	394	966	680
80%	286	334	310	196	186	184	195	220	325	362	942	504
90%	280	226	184	192	182	182	186	192	275	304	903	367
Long Term												
Full Simulation Period[a]	1,707	1,772	1,332	679	481	327	332	571	957	1,008	1,514	2,253
Water Year Types[b]												
Wet (31%)	1,275	1,188	371	254	183	183	192	238	359	331	928	386
Above Normal (25%)	2,945	2,779	1,720	223	191	187	196	212	359	338	933	680
Below Normal (6%)	642	712	1,084	758	273	199	216	256	325	920	1,425	2,756
Dry (13%)	974	1,263	1,113	809	506	263	282	407	711	931	1,300	2,919
Critical (25%)	2,356	2,454	2,169	1,081	858	575	562	1,175	1,996	1,897	2,404	3,743

No Action Alternative (LLT) minus Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-216	**521**	**834**	-144	**188**	**180**	**119**	**263**	**331**	**104**	**226**	**501**
20%	-439	-113	**467**	**14**	-45	**106**	**137**	**9**	-116	**22**	**59**	**462**
30%	-407	-12	-175	**2**	**80**	**108**	**63**	-40	**105**	**70**	**471**	**742**
40%	-370	-17	-784	**182**	**103**	**23**	**85**	**126**	**237**	**157**	**253**	**518**
50%	-331	-879	-48	**107**	**85**	**22**	**25**	**116**	**71**	**13**	**47**	**627**
60%	-1,371	-1,751	**74**	**167**	**12**	**7**	**4**	**27**	**143**	-143	**31**	**573**
70%	-1,128	-894	-69	**15**	-1	**1**	**4**	**44**	**135**	-35	-9	-1,111
80%	-1,159	-407	**106**	-2	0	-1	**0**	**12**	**77**	**4**	**40**	-1,091
90%	-56	-163	**2**	-2	-1	**0**	**0**	**4**	**71**	-53	**30**	-469
Long Term												
Full Simulation Period[a]	-475	-324	**82**	**66**	**77**	**56**	**57**	**94**	**141**	**48**	**167**	**120**
Water Year Types[b]												
Wet (31%)	-140	**63**	**34**	**9**	-1	0	**2**	**38**	**95**	-19	**171**	-640
Above Normal (25%)	-273	**295**	**311**	**2**	-3	-2	**1**	**9**	**125**	-19	-53	-914
Below Normal (6%)	-982	-1,836	-1,077	-29	**31**	**5**	**10**	**47**	**6**	**331**	**468**	**398**
Dry (13%)	-1,124	-1,180	-272	**167**	**84**	**44**	**53**	**72**	**119**	-35	**178**	**795**
Critical (25%)	-204	**105**	**543**	**77**	**173**	**144**	**135**	**199**	**228**	**139**	**183**	**544**

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

Table C-33-2. Sacramento River at Emmaton, Monthly EC

Existing Condition

Statistic	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,462	3,217	2,195	1,281	947	429	399	1,058	1,921	1,906	2,367	3,248
20%	2,966	2,928	1,950	872	616	295	314	787	1,328	1,275	1,961	3,130
30%	2,828	2,711	1,919	794	321	263	281	516	787	1,205	1,521	2,583
40%	2,685	2,585	1,806	576	285	230	228	327	568	938	1,172	2,358
50%	2,477	2,560	1,023	472	236	206	208	268	545	890	1,057	2,179
60%	2,022	2,463	830	281	199	192	202	231	388	589	1,003	1,986
70%	1,607	1,448	789	249	192	189	197	209	311	430	974	1,791
80%	1,444	741	204	198	186	185	195	208	247	359	902	1,595
90%	336	389	182	194	184	182	186	188	205	357	873	836
Long Term												
Full Simulation Period[a]	2,182	2,096	1,250	613	405	271	275	477	816	960	1,347	2,134
Water Year Types[b]												
Wet (31%)	1,414	1,125	337	245	184	183	190	200	265	351	758	1,026
Above Normal (25%)	3,219	2,485	1,408	222	194	188	195	202	234	358	986	1,594
Below Normal (6%)	1,624	2,548	2,161	787	242	193	206	209	319	589	957	2,358
Dry (13%)	2,097	2,443	1,385	643	422	219	230	335	592	966	1,122	2,123
Critical (25%)	2,560	2,349	1,626	1,004	685	431	426	976	1,768	1,757	2,222	3,199

Alternative 1A,1B,1C (LLT)

Statistic	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,069	3,249	2,594	1,205	708	562	600	1,803	2,780	2,669	3,121	3,627
20%	2,712	3,059	2,176	939	658	461	522	1,034	1,410	2,541	2,473	3,430
30%	2,372	2,313	1,685	759	490	379	400	575	1,212	1,872	2,315	3,227
40%	2,176	2,075	1,548	650	360	307	309	524	749	1,696	2,236	3,084
50%	1,503	1,987	1,409	621	319	272	289	489	683	1,231	1,794	2,957
60%	1,286	1,417	1,188	495	223	223	238	473	644	730	1,668	2,861
70%	1,080	1,058	1,061	278	200	194	214	296	582	591	1,557	2,661
80%	871	985	393	203	189	188	201	266	424	523	1,519	2,081
90%	542	477	186	196	185	184	189	207	280	486	1,414	1,768
Long Term												
Full Simulation Period[a]	1,754	1,888	1,378	667	427	334	368	708	1,140	1,392	2,023	2,775
Water Year Types[b]												
Wet (31%)	1,217	917	398	306	186	186	202	320	412	491	1,597	2,528
Above Normal (25%)	2,140	2,620	1,523	216	198	191	207	249	456	626	1,593	2,913
Below Normal (6%)	550	1,115	1,618	783	281	223	281	473	424	1,347	2,344	3,617
Dry (13%)	2,416	2,607	1,540	695	470	291	291	462	787	1,309	1,603	2,625
Critical (25%)	1,741	1,951	1,926	1,090	706	568	645	1,447	2,422	2,494	2,809	2,868

Alternative 1A,1B,1C (LLT) minus Existing Condition

Statistic	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-393	**32**	**399**	-76	-239	**133**	**200**	**744**	**859**	**762**	**754**	**379**
20%	-254	**132**	**226**	**66**	**42**	**166**	**208**	**248**	**82**	**1,266**	**512**	**300**
30%	-457	-398	-234	-35	**169**	**116**	**119**	**59**	**426**	**667**	**794**	**644**
40%	-509	-511	-258	**73**	**75**	**76**	**80**	**197**	**181**	**759**	**1,064**	**725**
50%	-974	-573	**386**	**149**	**83**	**67**	**81**	**221**	**138**	**341**	**737**	**778**
60%	-735	-1,046	**358**	**214**	**24**	**31**	**36**	**243**	**256**	**141**	**665**	**875**
70%	-528	-390	**272**	**29**	**8**	**5**	**17**	**86**	**271**	**161**	**583**	**870**
80%	-573	**245**	**189**	**5**	**3**	**4**	**7**	**58**	**176**	**164**	**616**	**486**
90%	**205**	**89**	**4**	**2**	**1**	**2**	**3**	**19**	**75**	**128**	**541**	**932**
Long Term												
Full Simulation Period[a]	-428	-208	**128**	**54**	**22**	**64**	**93**	**231**	**324**	**432**	**676**	**641**
Water Year Types[b]												
Wet (31%)	-198	-209	**62**	**62**	**2**	**2**	**12**	**121**	**147**	**140**	**839**	**1,502**
Above Normal (25%)	-1,079	**136**	**115**	-6	**4**	**2**	**12**	**47**	**221**	**269**	**607**	**1,320**
Below Normal (6%)	-1,073	-1,434	-543	-4	**39**	**30**	**75**	**264**	**105**	**757**	**1,387**	**1,258**
Dry (13%)	**318**	**164**	**155**	**52**	**49**	**73**	**61**	**127**	**196**	**343**	**482**	**502**
Critical (25%)	-819	-398	**300**	**86**	**21**	**137**	**218**	**471**	**654**	**736**	**587**	-331

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-33-3. Sacramento River at Emmaton, Monthly EC

Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,462	3,217	2,195	1,281	947	429	399	1,058	1,921	1,906	2,367	3,248
20%	2,966	2,928	1,950	872	616	295	314	787	1,328	1,275	1,961	3,130
30%	2,828	2,711	1,919	794	321	263	281	516	787	1,205	1,521	2,583
40%	2,685	2,585	1,806	576	285	230	228	327	568	938	1,172	2,358
50%	2,477	2,560	1,023	472	236	206	208	268	545	890	1,057	2,179
60%	2,022	2,463	830	281	199	192	202	231	388	589	1,003	1,986
70%	1,607	1,448	789	249	192	189	197	209	311	430	974	1,791
80%	1,444	741	204	198	186	185	195	208	247	359	902	1,595
90%	336	389	182	194	184	182	186	188	205	357	873	836
Long Term												
Full Simulation Period[a]	2,182	2,096	1,250	613	405	271	275	477	816	960	1,347	2,134
Water Year Types[b]												
Wet (31%)	1,414	1,125	337	245	184	183	190	200	265	351	758	1,026
Above Normal (25%)	3,219	2,485	1,408	222	194	188	195	202	234	358	986	1,594
Below Normal (6%)	1,624	2,548	2,161	787	242	193	206	209	319	589	957	2,358
Dry (13%)	2,097	2,443	1,385	643	422	219	230	335	592	966	1,122	2,123
Critical (25%)	2,560	2,349	1,626	1,004	685	431	426	976	1,768	1,757	2,222	3,199

Alternative 2A,2B,2C (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,902	3,529	2,035	771	861	522	602	1,811	2,737	2,750	2,986	3,543
20%	1,662	2,241	1,584	671	632	452	514	1,006	1,477	2,717	2,584	3,389
30%	1,532	1,784	1,295	631	364	395	420	483	1,204	1,759	2,429	3,110
40%	1,355	1,616	1,049	587	288	326	334	472	727	1,412	1,982	2,802
50%	1,124	1,311	982	477	283	244	253	439	696	1,307	1,785	2,299
60%	633	676	851	305	209	219	222	302	648	621	1,636	1,582
70%	426	577	650	259	201	194	215	275	487	552	1,538	741
80%	317	388	246	197	190	188	201	232	348	499	1,470	559
90%	307	255	185	195	185	184	191	202	285	483	1,314	466
Long Term												
Full Simulation Period[a]	1,300	1,519	1,106	499	403	334	368	670	1,120	1,379	2,015	2,042
Water Year Types[b]												
Wet (31%)	824	1,078	350	245	186	186	198	271	413	496	1,591	481
Above Normal (25%)	2,149	2,662	1,362	214	199	191	210	224	365	504	1,378	741
Below Normal (6%)	633	676	1,110	659	286	219	230	287	348	1,295	2,303	3,553
Dry (13%)	916	1,331	846	587	487	291	298	423	777	1,331	1,726	2,729
Critical (25%)	1,782	1,732	1,815	712	616	568	649	1,443	2,417	2,489	2,782	2,958

Alternative 2A,2B,2C (LLT) minus Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-560	**312**	-160	-510	-86	**93**	**203**	**753**	**817**	**844**	**619**	**296**
20%	-1,304	-687	-367	-201	**16**	**156**	**200**	**219**	**149**	**1,442**	**624**	**259**
30%	-1,297	-927	-624	-163	**42**	**132**	**140**	-33	**417**	**554**	**908**	**527**
40%	-1,330	-970	-757	**11**	**3**	**96**	**106**	**145**	**159**	**474**	**810**	**444**
50%	-1,353	-1,248	-42	**5**	**47**	**38**	**45**	**171**	**151**	**417**	**728**	**120**
60%	-1,388	-1,787	**21**	**23**	**10**	**27**	**20**	**71**	**260**	**32**	**632**	-404
70%	-1,182	-871	-139	**10**	**9**	**5**	**18**	**66**	**177**	**122**	**564**	-1,050
80%	-1,127	-352	**42**	-1	**4**	**3**	**7**	**24**	**100**	**141**	**567**	-1,036
90%	-29	-134	**3**	**1**	**1**	**2**	**5**	**14**	**80**	**125**	**442**	-370
Long Term												
Full Simulation Period[a]	-882	-578	-144	-114	-1	**63**	**92**	**193**	**305**	**419**	**667**	-92
Water Year Types[b]												
Wet (31%)	-590	-48	**13**	**1**	**2**	**2**	**8**	**71**	**149**	**145**	**833**	-545
Above Normal (25%)	-1,069	**178**	-47	-8	**5**	**2**	**15**	**22**	**131**	**146**	**392**	-853
Below Normal (6%)	-990	-1,872	-1,051	-128	**44**	**26**	**24**	**78**	**29**	**706**	**1,346**	**1,194**
Dry (13%)	-1,182	-1,112	-539	-56	**65**	**72**	**69**	**88**	**185**	**365**	**604**	**606**
Critical (25%)	-778	-617	**189**	-292	-69	**137**	**222**	**467**	**649**	**732**	**560**	-240

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-33-4. Sacramento River at Emmaton, Monthly EC

Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,462	3,217	2,195	1,281	947	429	399	1,058	1,921	1,906	2,367	3,248
20%	2,966	2,928	1,950	872	616	295	314	787	1,328	1,275	1,961	3,130
30%	2,828	2,711	1,919	794	321	263	281	516	787	1,205	1,521	2,583
40%	2,685	2,585	1,806	576	285	230	228	327	568	938	1,172	2,358
50%	2,477	2,560	1,023	472	236	206	208	268	545	890	1,057	2,179
60%	2,022	2,463	830	281	199	192	202	231	388	589	1,003	1,986
70%	1,607	1,448	789	249	192	189	197	209	311	430	974	1,791
80%	1,444	741	204	198	186	185	195	208	247	359	902	1,595
90%	336	389	182	194	184	182	186	188	205	357	873	836
Long Term												
Full Simulation Period[a]	2,182	2,096	1,250	613	405	271	275	477	816	960	1,347	2,134
Water Year Types[b]												
Wet (31%)	1,414	1,125	337	245	184	183	190	200	265	351	758	1,026
Above Normal (25%)	3,219	2,485	1,408	222	194	188	195	202	234	358	986	1,594
Below Normal (6%)	1,624	2,548	2,161	787	242	193	206	209	319	589	957	2,358
Dry (13%)	2,097	2,443	1,385	643	422	219	230	335	592	966	1,122	2,123
Critical (25%)	2,560	2,349	1,626	1,004	685	431	426	976	1,768	1,757	2,222	3,199

Alternative 3 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,164	3,056	2,570	1,010	779	554	607	1,878	2,654	2,729	3,125	3,561
20%	2,726	2,885	2,368	924	671	460	522	1,030	1,397	2,431	2,320	3,471
30%	2,393	2,407	1,785	797	467	361	410	573	1,202	1,733	2,197	3,280
40%	2,091	2,004	1,447	731	370	282	315	539	777	1,576	2,107	3,131
50%	1,391	1,738	1,279	578	318	257	289	491	723	1,258	1,818	2,995
60%	1,265	1,410	1,127	492	213	213	236	472	674	738	1,653	2,580
70%	808	1,331	939	257	192	189	207	297	601	622	1,606	2,471
80%	760	846	390	196	189	185	200	269	423	507	1,479	2,072
90%	607	483	182	192	183	183	188	209	274	473	1,386	1,853
Long Term												
Full Simulation Period[a]	1,717	1,809	1,396	603	402	332	371	720	1,135	1,389	2,010	2,746
Water Year Types[b]												
Wet (31%)	1,217	1,123	382	265	184	184	202	321	425	499	1,607	2,416
Above Normal (25%)	2,077	2,197	1,341	206	192	187	199	253	455	622	1,550	2,796
Below Normal (6%)	781	1,270	1,723	803	278	213	279	472	423	1,371	2,320	3,695
Dry (13%)	2,462	2,523	1,497	743	454	272	289	465	815	1,274	1,647	2,708
Critical (25%)	1,563	1,739	2,084	881	644	581	660	1,481	2,372	2,504	2,745	2,830

Alternative 3 (LLT) minus Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-298	-161	**375**	-271	-168	**125**	**207**	**820**	**733**	**823**	**758**	**314**
20%	-240	-43	**417**	**52**	**55**	**164**	**209**	**243**	**70**	**1,155**	**359**	**341**
30%	-435	-303	-134	**3**	**145**	**98**	**129**	**57**	**415**	**528**	**676**	**697**
40%	-595	-582	-359	**155**	**85**	**52**	**87**	**213**	**209**	**638**	**935**	**773**
50%	-1,086	-821	**255**	**105**	**82**	**52**	**81**	**223**	**178**	**368**	**761**	**816**
60%	-756	-1,053	**296**	**211**	**14**	**21**	**34**	**241**	**285**	**148**	**649**	**594**
70%	-799	-117	**150**	**8**	0	**0**	**11**	**88**	**290**	**193**	**632**	**680**
80%	-684	**105**	**186**	-2	**3**	**1**	**6**	**61**	**176**	**149**	**577**	**477**
90%	**270**	**94**	**0**	-2	-1	**2**	**3**	**21**	**69**	**115**	**514**	**1,017**
Long Term												
Full Simulation Period[a]	-465	-287	**146**	-9	-3	**61**	**96**	**243**	**319**	**429**	**663**	**612**
Water Year Types[b]												
Wet (31%)	-197	-2	**45**	**21**	**0**	**1**	**12**	**121**	**160**	**148**	**849**	**1,390**
Above Normal (25%)	-1,142	-288	-68	-16	-3	-1	**5**	**50**	**221**	**265**	**563**	**1,202**
Below Normal (6%)	-842	-1,278	-438	**16**	**35**	**20**	**73**	**263**	**104**	**782**	**1,362**	**1,336**
Dry (13%)	**365**	**80**	**111**	**100**	**33**	**53**	**60**	**130**	**223**	**308**	**525**	**585**
Critical (25%)	-997	-610	**457**	-123	-42	**150**	**233**	**504**	**604**	**747**	**523**	-369

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-33-5. Sacramento River at Emmaton, Monthly EC

Existing Condition

Statistic	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,462	3,217	2,195	1,281	947	429	399	1,058	1,921	1,906	2,367	3,248
20%	2,966	2,928	1,950	872	616	295	314	787	1,328	1,275	1,961	3,130
30%	2,828	2,711	1,919	794	321	263	281	516	787	1,205	1,521	2,583
40%	2,685	2,585	1,806	576	285	230	228	327	568	938	1,172	2,358
50%	2,477	2,560	1,023	472	236	206	208	268	545	890	1,057	2,179
60%	2,022	2,463	830	281	199	192	202	231	388	589	1,003	1,986
70%	1,607	1,448	789	249	192	189	197	209	311	430	974	1,791
80%	1,444	741	204	198	186	185	195	208	247	359	902	1,595
90%	336	389	182	194	184	182	186	188	205	357	873	836
Long Term												
Full Simulation Period[a]	2,182	2,096	1,250	613	405	271	275	477	816	960	1,347	2,134
Water Year Types[b]												
Wet (31%)	1,414	1,125	337	245	184	183	190	200	265	351	758	1,026
Above Normal (25%)	3,219	2,485	1,408	222	194	188	195	202	234	358	986	1,594
Below Normal (6%)	1,624	2,548	2,161	787	242	193	206	209	319	589	957	2,358
Dry (13%)	2,097	2,443	1,385	643	422	219	230	335	592	966	1,122	2,123
Critical (25%)	2,560	2,349	1,626	1,004	685	431	426	976	1,768	1,757	2,222	3,199

Alternative 4 H1 (LLT)

Statistic	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,884	3,699	2,540	785	887	518	613	1,772	2,758	2,785	2,995	3,476
20%	2,318	2,218	1,819	755	425	435	517	1,010	1,420	2,640	2,532	3,366
30%	1,937	2,081	1,679	567	389	376	397	524	1,168	1,724	2,313	3,180
40%	1,691	1,838	1,541	508	285	304	338	480	881	1,646	2,126	3,048
50%	1,612	1,720	1,233	431	279	248	252	444	715	1,197	1,670	2,864
60%	1,440	1,557	1,094	291	214	215	222	299	663	656	1,571	2,735
70%	1,362	1,348	873	252	196	192	213	275	485	554	1,522	2,515
80%	1,147	1,193	233	197	189	188	202	235	329	490	1,474	2,310
90%	990	648	183	191	183	183	191	201	290	425	1,278	1,432
Long Term												
Full Simulation Period[a]	1,758	1,890	1,307	548	417	330	366	674	1,129	1,392	1,969	2,675
Water Year Types[b]												
Wet (31%)	1,181	1,006	343	240	185	185	198	270	414	482	1,515	2,521
Above Normal (25%)	2,201	2,704	1,399	204	194	189	208	226	373	490	1,367	2,722
Below Normal (6%)	1,035	1,367	1,819	774	277	215	231	290	329	1,265	2,299	3,572
Dry (13%)	2,104	2,251	1,416	614	488	281	294	445	823	1,266	1,598	2,279
Critical (25%)	1,909	2,089	1,851	833	663	566	649	1,437	2,409	2,606	2,804	2,916

Alternative 4 H1 (LLT) minus Existing Condition

Statistic	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-578	**482**	**345**	-496	-61	**90**	**214**	**714**	**837**	**879**	**628**	**228**
20%	-647	-709	-131	-118	-191	**139**	**203**	**223**	**92**	**1,365**	**571**	**236**
30%	-891	-630	-240	-227	**68**	**113**	**117**	**8**	**382**	**520**	**792**	**598**
40%	-994	-747	-265	-68	0	**73**	**109**	**153**	**312**	**709**	**953**	**689**
50%	-865	-839	**210**	-42	**44**	**42**	**43**	**176**	**170**	**307**	**613**	**685**
60%	-582	-906	**264**	**10**	**14**	**22**	**20**	**69**	**275**	**66**	**567**	**749**
70%	-246	-100	**84**	**3**	**4**	**3**	**16**	**66**	**174**	**124**	**547**	**724**
80%	-297	**452**	**29**	0	**3**	**3**	**7**	**27**	**82**	**132**	**572**	**715**
90%	**654**	**259**	**1**	-3	-1	**2**	**5**	**13**	**85**	**68**	**405**	**596**
Long Term												
Full Simulation Period[a]	-424	-206	**57**	-65	**12**	**60**	**91**	**197**	**314**	**432**	**622**	**541**
Water Year Types[b]												
Wet (31%)	-233	-120	**6**	-5	**1**	**2**	**9**	**70**	**150**	**131**	**757**	**1,495**
Above Normal (25%)	-1,017	**219**	-9	-17	0	**1**	**13**	**24**	**139**	**132**	**380**	**1,128**
Below Normal (6%)	-588	-1,181	-342	-13	**35**	**21**	**25**	**80**	**10**	**675**	**1,341**	**1,214**
Dry (13%)	**7**	-192	**31**	-29	**67**	**62**	**64**	**110**	**231**	**300**	**476**	**155**
Critical (25%)	-651	-260	**224**	-171	-22	**135**	**222**	**461**	**641**	**848**	**582**	-283

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-33-6. Sacramento River at Emmaton, Monthly EC

Existing Condition

Statistic	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,462	3,217	2,195	1,281	947	429	399	1,058	1,921	1,906	2,367	3,248
20%	2,966	2,928	1,950	872	616	295	314	787	1,328	1,275	1,961	3,130
30%	2,828	2,711	1,919	794	321	263	281	516	787	1,205	1,521	2,583
40%	2,685	2,585	1,806	576	285	230	228	327	568	938	1,172	2,358
50%	2,477	2,560	1,023	472	236	206	208	268	545	890	1,057	2,179
60%	2,022	2,463	830	281	199	192	202	231	388	589	1,003	1,986
70%	1,607	1,448	789	249	192	189	197	209	311	430	974	1,791
80%	1,444	741	204	198	186	185	195	208	247	359	902	1,595
90%	336	389	182	194	184	182	186	188	205	357	873	836
Long Term												
Full Simulation Period[a]	2,182	2,096	1,250	613	405	271	275	477	816	960	1,347	2,134
Water Year Types[b]												
Wet (31%)	1,414	1,125	337	245	184	183	190	200	265	351	758	1,026
Above Normal (25%)	3,219	2,485	1,408	222	194	188	195	202	234	358	986	1,594
Below Normal (6%)	1,624	2,548	2,161	787	242	193	206	209	319	589	957	2,358
Dry (13%)	2,097	2,443	1,385	643	422	219	230	335	592	966	1,122	2,123
Critical (25%)	2,560	2,349	1,626	1,004	685	431	426	976	1,768	1,757	2,222	3,199

Alternative 4 H2 (LLT)

Statistic	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,686	3,578	2,575	976	863	518	569	1,749	2,744	2,718	2,917	3,513
20%	2,540	2,626	2,330	794	472	453	521	962	1,487	2,381	2,590	3,365
30%	1,920	2,261	2,037	664	397	337	402	541	1,195	1,687	2,315	3,123
40%	1,844	1,889	1,729	636	308	308	338	490	969	1,492	2,051	3,024
50%	1,746	1,649	1,441	486	274	247	250	383	796	1,387	1,896	2,749
60%	1,404	1,451	1,036	280	213	208	214	273	525	747	1,638	2,417
70%	1,262	1,224	851	243	197	192	207	244	415	695	1,538	2,408
80%	1,000	1,034	224	197	189	188	186	212	341	657	1,373	2,384
90%	872	630	182	190	184	183	183	191	292	615	1,293	2,148
Long Term												
Full Simulation Period[a]	1,732	1,897	1,435	526	404	323	357	652	1,135	1,478	2,002	2,718
Water Year Types[b]												
Wet (31%)	1,213	985	348	245	185	185	189	216	359	542	1,545	2,286
Above Normal (25%)	2,238	2,740	1,285	204	195	189	199	207	348	703	1,506	2,775
Below Normal (6%)	2,566	2,626	1,951	659	261	208	229	270	341	1,302	2,326	3,566
Dry (13%)	1,906	2,185	1,610	722	519	279	293	461	885	1,399	1,690	2,866
Critical (25%)	1,638	1,913	2,122	695	599	544	631	1,409	2,429	2,636	2,750	2,752

Alternative 4 H2 (LLT) minus Existing Condition

Statistic	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-776	**361**	**380**	-305	-84	**89**	**170**	**691**	**824**	**812**	**550**	**266**
20%	-426	-302	**380**	-78	-143	**158**	**208**	**175**	**160**	**1,106**	**629**	**235**
30%	-908	-450	**118**	-130	**76**	**74**	**121**	**25**	**409**	**482**	**794**	**540**
40%	-841	-696	-78	**59**	**22**	**78**	**110**	**163**	**400**	**554**	**879**	**665**
50%	-731	-910	**418**	**14**	**39**	**42**	**42**	**116**	**251**	**497**	**839**	**570**
60%	-618	-1,012	**206**	-2	**14**	**16**	**12**	**42**	**137**	**158**	**635**	**431**
70%	-346	-224	**62**	-6	**5**	**3**	**10**	**34**	**104**	**266**	**564**	**617**
80%	-445	**294**	**20**	-1	**3**	**3**	-8	**5**	**93**	**298**	**470**	**789**
90%	**535**	**241**	**0**	-4	0	**2**	-3	**3**	**88**	**257**	**420**	**1,312**
Long Term												
Full Simulation Period[a]	-450	-199	**185**	-87	-1	**52**	**82**	**175**	**319**	**518**	**654**	**584**
Water Year Types[b]												
Wet (31%)	-201	-140	**12**	0	**2**	**2**	-1	**17**	**94**	**191**	**787**	**1,260**
Above Normal (25%)	-981	**256**	-123	-18	**1**	**1**	**4**	**5**	**114**	**345**	**519**	**1,181**
Below Normal (6%)	**942**	**77**	-210	-128	**19**	**15**	**23**	**61**	**22**	**713**	**1,369**	**1,208**
Dry (13%)	-192	-258	**224**	**80**	**97**	**60**	**63**	**126**	**293**	**433**	**568**	**743**
Critical (25%)	-922	-436	**495**	-309	-87	**114**	**205**	**433**	**661**	**879**	**528**	-447

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-33-7. Sacramento River at Emmaton, Monthly EC

Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,462	3,217	2,195	1,281	947	429	399	1,058	1,921	1,906	2,367	3,248
20%	2,966	2,928	1,950	872	616	295	314	787	1,328	1,275	1,961	3,130
30%	2,828	2,711	1,919	794	321	263	281	516	787	1,205	1,521	2,583
40%	2,685	2,585	1,806	576	285	230	228	327	568	938	1,172	2,358
50%	2,477	2,560	1,023	472	236	206	208	268	545	890	1,057	2,179
60%	2,022	2,463	830	281	199	192	202	231	388	589	1,003	1,986
70%	1,607	1,448	789	249	192	189	197	209	311	430	974	1,791
80%	1,444	741	204	198	186	185	195	208	247	359	902	1,595
90%	336	389	182	194	184	182	186	188	205	357	873	836
Long Term												
Full Simulation Period[a]	2,182	2,096	1,250	613	405	271	275	477	816	960	1,347	2,134
Water Year Types[b]												
Wet (31%)	1,414	1,125	337	245	184	183	190	200	265	351	758	1,026
Above Normal (25%)	3,219	2,485	1,408	222	194	188	195	202	234	358	986	1,594
Below Normal (6%)	1,624	2,548	2,161	787	242	193	206	209	319	589	957	2,358
Dry (13%)	2,097	2,443	1,385	643	422	219	230	335	592	966	1,122	2,123
Critical (25%)	2,560	2,349	1,626	1,004	685	431	426	976	1,768	1,757	2,222	3,199

Alternative 4 H3 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,859	3,548	2,039	769	914	527	603	1,804	2,772	2,809	2,959	3,427
20%	2,553	2,535	1,465	695	660	460	532	1,006	1,477	2,717	2,736	3,245
30%	1,858	2,038	1,191	619	387	380	421	485	1,206	1,910	2,445	2,953
40%	1,508	1,793	1,026	502	282	311	333	475	774	1,602	2,257	2,805
50%	1,148	1,141	974	423	270	242	253	443	716	1,248	1,658	2,171
60%	648	680	838	297	206	211	222	302	663	637	1,582	1,533
70%	427	572	648	250	196	192	213	275	490	552	1,513	738
80%	321	390	242	197	189	188	201	232	351	495	1,435	560
90%	307	260	183	191	183	183	191	201	289	424	1,287	460
Long Term												
Full Simulation Period[a]	1,369	1,564	1,087	490	413	339	370	671	1,135	1,415	2,014	1,977
Water Year Types[b]												
Wet (31%)	1,040	1,007	345	241	185	185	198	270	418	474	1,495	474
Above Normal (25%)	2,118	2,630	1,251	204	194	189	208	225	368	493	1,367	738
Below Normal (6%)	648	680	1,280	695	261	211	229	288	351	1,324	2,333	3,570
Dry (13%)	929	1,335	845	578	483	279	298	427	800	1,294	1,716	2,483
Critical (25%)	1,828	1,944	1,771	694	658	594	657	1,443	2,440	2,653	2,863	2,951

Alternative 4 H3 (LLT) minus Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-603	**331**	-156	-512	-33	**98**	**204**	**746**	**852**	**902**	**592**	**179**
20%	-413	-393	-485	-177	**44**	**165**	**218**	**219**	**150**	**1,442**	**775**	**115**
30%	-970	-672	-728	-175	**66**	**117**	**140**	-31	**420**	**705**	**924**	**370**
40%	-1,177	-792	-780	-74	-3	**81**	**104**	**149**	**206**	**664**	**1,085**	**447**
50%	-1,329	-1,418	-50	-49	**34**	**36**	**45**	**176**	**171**	**359**	**601**	-8
60%	-1,374	-1,783	**8**	**15**	**7**	**19**	**19**	**71**	**274**	**47**	**579**	-453
70%	-1,180	-876	-141	**1**	**4**	**3**	**16**	**66**	**179**	**122**	**539**	-1,053
80%	-1,123	-351	**38**	0	**3**	**3**	**7**	**24**	**103**	**136**	**532**	-1,035
90%	-29	-129	**1**	-3	-1	**2**	**5**	**13**	**85**	**66**	**414**	-376
Long Term												
Full Simulation Period[a]	-813	-532	-163	-122	**8**	**68**	**94**	**194**	**319**	**456**	**667**	-157
Water Year Types[b]												
Wet (31%)	-374	-118	**9**	-4	**1**	**2**	**8**	**71**	**154**	**123**	**737**	-552
Above Normal (25%)	-1,101	**145**	-158	-17	0	**0**	**13**	**22**	**134**	**135**	**381**	-856
Below Normal (6%)	-976	-1,868	-881	-92	**19**	**18**	**23**	**79**	**32**	**734**	**1,375**	**1,212**
Dry (13%)	-1,169	-1,108	-541	-64	**62**	**61**	**68**	**92**	**208**	**328**	**595**	**359**
Critical (25%)	-732	-405	**145**	-311	-28	**163**	**231**	**467**	**672**	**896**	**642**	-248

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-33-8. Sacramento River at Emmaton, Monthly EC

Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,462	3,217	2,195	1,281	947	429	399	1,058	1,921	1,906	2,367	3,248
20%	2,966	2,928	1,950	872	616	295	314	787	1,328	1,275	1,961	3,130
30%	2,828	2,711	1,919	794	321	263	281	516	787	1,205	1,521	2,583
40%	2,685	2,585	1,806	576	285	230	228	327	568	938	1,172	2,358
50%	2,477	2,560	1,023	472	236	206	208	268	545	890	1,057	2,179
60%	2,022	2,463	830	281	199	192	202	231	388	589	1,003	1,986
70%	1,607	1,448	789	249	192	189	197	209	311	430	974	1,791
80%	1,444	741	204	198	186	185	195	208	247	359	902	1,595
90%	336	389	182	194	184	182	186	188	205	357	873	836
Long Term												
Full Simulation Period[a]	2,182	2,096	1,250	613	405	271	275	477	816	960	1,347	2,134
Water Year Types[b]												
Wet (31%)	1,414	1,125	337	245	184	183	190	200	265	351	758	1,026
Above Normal (25%)	3,219	2,485	1,408	222	194	188	195	202	234	358	986	1,594
Below Normal (6%)	1,624	2,548	2,161	787	242	193	206	209	319	589	957	2,358
Dry (13%)	2,097	2,443	1,385	643	422	219	230	335	592	966	1,122	2,123
Critical (25%)	2,560	2,349	1,626	1,004	685	431	426	976	1,768	1,757	2,222	3,199

Alternative 4 H4 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,005	3,285	2,516	1,126	1,042	541	583	1,736	2,722	2,740	2,796	3,307
20%	2,105	2,375	1,870	782	665	449	516	963	1,489	2,307	2,444	2,948
30%	1,574	1,967	1,353	712	401	373	390	540	1,207	1,827	2,243	2,688
40%	1,241	1,401	1,058	659	291	305	343	489	959	1,700	2,040	2,441
50%	976	920	956	482	268	242	252	386	812	1,399	1,848	2,369
60%	621	685	836	298	206	211	213	276	534	748	1,643	2,275
70%	430	584	644	251	196	192	206	243	416	688	1,520	752
80%	317	386	241	197	189	188	186	212	323	641	1,374	556
90%	304	261	181	190	184	183	182	191	285	613	1,300	453
Long Term												
Full Simulation Period[a]	1,297	1,464	1,168	611	447	332	360	651	1,135	1,475	1,962	1,961
Water Year Types[b]												
Wet (31%)	856	883	344	245	185	185	189	219	361	537	1,517	473
Above Normal (25%)	2,181	2,652	1,287	204	194	189	199	207	348	703	1,508	752
Below Normal (6%)	621	685	1,153	659	260	211	228	268	310	1,201	2,213	3,597
Dry (13%)	916	1,327	952	602	499	274	293	461	893	1,518	1,734	2,859
Critical (25%)	1,736	1,720	1,954	1,064	755	577	642	1,401	2,426	2,555	2,631	2,591

Alternative 4 H4 (LLT) minus Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-457	68	321	-154	95	112	184	678	801	834	429	60
20%	-861	-552	-80	-90	49	154	203	176	161	1,031	483	-181
30%	-1,255	-744	-566	-82	79	110	110	24	420	622	722	105
40%	-1,445	-1,184	-748	83	5	75	115	162	391	762	867	83
50%	-1,501	-1,639	-67	9	32	36	44	118	267	509	791	190
60%	-1,401	-1,778	6	17	7	19	11	45	145	159	640	289
70%	-1,178	-864	-145	2	4	3	9	33	105	259	546	-1,039
80%	-1,128	-355	37	-1	3	3	-8	5	76	282	471	-1,039
90%	-32	-128	0	-4	0	2	-3	3	81	256	428	-383
Long Term												
Full Simulation Period[a]	-885	-632	-82	-1	42	61	85	173	319	515	615	-172
Water Year Types[b]												
Wet (31%)	-558	-243	8	1	2	2	-1	20	96	186	760	-553
Above Normal (25%)	-1,038	167	-122	-18	0	1	4	5	114	345	522	-841
Below Normal (6%)	-1,003	-1,864	-1,008	-128	18	18	22	59	-9	611	1,255	1,239
Dry (13%)	-1,182	-1,116	-434	-40	77	55	63	126	302	552	612	735
Critical (25%)	-823	-629	328	60	69	147	216	425	658	798	410	-607

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-33-9. Sacramento River at Emmaton, Monthly EC

Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,462	3,217	2,195	1,281	947	429	399	1,058	1,921	1,906	2,367	3,248
20%	2,966	2,928	1,950	872	616	295	314	787	1,328	1,275	1,961	3,130
30%	2,828	2,711	1,919	794	321	263	281	516	787	1,205	1,521	2,583
40%	2,685	2,585	1,806	576	285	230	228	327	568	938	1,172	2,358
50%	2,477	2,560	1,023	472	236	206	208	268	545	890	1,057	2,179
60%	2,022	2,463	830	281	199	192	202	231	388	589	1,003	1,986
70%	1,607	1,448	789	249	192	189	197	209	311	430	974	1,791
80%	1,444	741	204	198	186	185	195	208	247	359	902	1,595
90%	336	389	182	194	184	182	186	188	205	357	873	836
Long Term												
Full Simulation Period[a]	2,182	2,096	1,250	613	405	271	275	477	816	960	1,347	2,134
Water Year Types[b]												
Wet (31%)	1,414	1,125	337	245	184	183	190	200	265	351	758	1,026
Above Normal (25%)	3,219	2,485	1,408	222	194	188	195	202	234	358	986	1,594
Below Normal (6%)	1,624	2,548	2,161	787	242	193	206	209	319	589	957	2,358
Dry (13%)	2,097	2,443	1,385	643	422	219	230	335	592	966	1,122	2,123
Critical (25%)	2,560	2,349	1,626	1,004	685	431	426	976	1,768	1,757	2,222	3,199

Alternative 5 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,329	3,221	2,547	1,150	995	575	553	1,659	2,642	2,799	3,116	3,420
20%	2,889	2,084	2,368	1,001	629	443	436	1,008	1,483	2,019	2,782	3,309
30%	2,283	1,921	1,360	742	431	408	387	539	1,221	1,761	2,280	3,036
40%	1,524	1,858	1,069	638	381	294	331	505	897	1,218	1,897	2,898
50%	1,348	1,539	985	617	309	248	249	463	788	1,004	1,559	2,509
60%	761	755	962	611	210	204	214	309	649	724	1,458	2,202
70%	515	567	693	254	190	188	205	280	523	586	1,394	695
80%	313	406	346	194	185	184	199	237	345	520	1,319	535
90%	295	249	182	189	183	182	189	200	287	474	1,210	409
Long Term												
Full Simulation Period[a]	1,549	1,514	1,235	614	431	339	349	667	1,143	1,310	1,935	2,064
Water Year Types[b]												
Wet (31%)	1,533	1,110	428	295	183	183	196	273	415	501	1,408	433
Above Normal (25%)	2,725	2,914	1,308	201	190	186	198	226	395	528	1,346	695
Below Normal (6%)	761	755	989	680	276	204	224	284	345	951	1,912	3,461
Dry (13%)	1,158	1,241	1,198	872	505	292	296	465	873	1,305	1,655	2,853
Critical (25%)	1,563	1,646	1,930	815	697	588	600	1,395	2,399	2,344	2,822	3,007

Alternative 5 (LLT) minus Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-133	**4**	**352**	-131	**47**	**146**	**154**	**601**	**721**	**893**	**749**	**172**
20%	-77	-843	**417**	**128**	**14**	**147**	**122**	**221**	**155**	**743**	**821**	**179**
30%	-545	-789	-559	-52	**109**	**145**	**106**	**23**	**434**	**556**	**759**	**454**
40%	-1,162	-727	-737	**62**	**96**	**64**	**102**	**179**	**329**	**281**	**725**	**539**
50%	-1,129	-1,021	-39	**144**	**73**	**42**	**40**	**195**	**243**	**114**	**502**	**330**
60%	-1,261	-1,708	**132**	**330**	**11**	**12**	**11**	**79**	**261**	**134**	**454**	**216**
70%	-1,093	-882	-96	**5**	-1	-1	**9**	**71**	**212**	**156**	**420**	-1,096
80%	-1,131	-335	**142**	-4	-1	-1	**5**	**29**	**98**	**161**	**416**	-1,060
90%	-41	-140	**0**	-5	-1	**0**	**3**	**12**	**82**	**117**	**337**	-427
Long Term												
Full Simulation Period[a]	-632	-582	-15	**2**	**26**	**68**	**74**	**189**	**327**	**350**	**588**	-69
Water Year Types[b]												
Wet (31%)	**119**	-16	**92**	**51**	-1	0	**6**	**74**	**151**	**151**	**651**	-593
Above Normal (25%)	-494	**430**	-100	-20	-4	-2	**4**	**24**	**161**	**171**	**360**	-898
Below Normal (6%)	-863	-1,794	-1,172	-107	**34**	**10**	**18**	**75**	**26**	**362**	**955**	**1,102**
Dry (13%)	-939	-1,202	-187	**229**	**83**	**74**	**66**	**129**	**282**	**339**	**533**	**729**
Critical (25%)	-997	-703	**303**	-189	**12**	**157**	**174**	**419**	**631**	**587**	**600**	-192

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-33-10. Sacramento River at Emmaton, Monthly EC

Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,462	3,217	2,195	1,281	947	429	399	1,058	1,921	1,906	2,367	3,248
20%	2,966	2,928	1,950	872	616	295	314	787	1,328	1,275	1,961	3,130
30%	2,828	2,711	1,919	794	321	263	281	516	787	1,205	1,521	2,583
40%	2,685	2,585	1,806	576	285	230	228	327	568	938	1,172	2,358
50%	2,477	2,560	1,023	472	236	206	208	268	545	890	1,057	2,179
60%	2,022	2,463	830	281	199	192	202	231	388	589	1,003	1,986
70%	1,607	1,448	789	249	192	189	197	209	311	430	974	1,791
80%	1,444	741	204	198	186	185	195	208	247	359	902	1,595
90%	336	389	182	194	184	182	186	188	205	357	873	836
Long Term												
Full Simulation Period[a]	2,182	2,096	1,250	613	405	271	275	477	816	960	1,347	2,134
Water Year Types[b]												
Wet (31%)	1,414	1,125	337	245	184	183	190	200	265	351	758	1,026
Above Normal (25%)	3,219	2,485	1,408	222	194	188	195	202	234	358	986	1,594
Below Normal (6%)	1,624	2,548	2,161	787	242	193	206	209	319	589	957	2,358
Dry (13%)	2,097	2,443	1,385	643	422	219	230	335	592	966	1,122	2,123
Critical (25%)	2,560	2,349	1,626	1,004	685	431	426	976	1,768	1,757	2,222	3,199

Alternative 6A,6B,6C (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,999	1,924	924	519	602	503	546	1,382	2,178	3,114	2,795	2,226
20%	1,359	1,123	846	348	342	347	408	962	1,477	2,682	2,415	2,049
30%	1,042	875	656	337	266	267	351	588	1,198	2,369	2,213	1,711
40%	949	801	493	298	248	253	292	534	986	2,046	1,952	1,492
50%	879	671	389	248	226	228	257	436	839	1,763	1,595	1,302
60%	567	541	331	233	209	220	218	269	586	1,212	1,285	1,140
70%	426	441	288	217	201	194	214	266	476	759	977	672
80%	289	320	205	200	191	188	202	230	317	641	864	400
90%	284	247	182	191	185	184	191	201	277	559	826	328
Long Term												
Full Simulation Period[a]	975	860	576	378	334	300	345	615	1,045	1,717	1,674	1,323
Water Year Types[b]												
Wet (31%)	606	436	209	203	186	186	198	247	398	518	765	340
Above Normal (25%)	1,908	1,605	569	201	200	191	209	223	346	720	906	672
Below Normal (6%)	553	541	505	298	260	220	229	269	317	1,212	1,285	1,140
Dry (13%)	729	669	473	304	302	242	277	495	942	1,938	1,904	1,506
Critical (25%)	1,178	1,117	971	663	546	497	593	1,231	2,070	3,000	2,603	2,261

Alternative 6A,6B,6C (LLT) minus Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-1,463	-1,293	-1,271	-762	-345	**74**	**147**	**324**	**257**	**1,207**	**428**	-1,022
20%	-1,606	-1,805	-1,104	-525	-274	**52**	**94**	**176**	**150**	**1,407**	**454**	-1,080
30%	-1,787	-1,835	-1,263	-457	-55	**4**	**71**	**73**	**411**	**1,164**	**692**	-872
40%	-1,736	-1,784	-1,313	-279	-38	**22**	**63**	**207**	**417**	**1,108**	**780**	-866
50%	-1,598	-1,888	-634	-224	-9	**22**	**48**	**168**	**294**	**873**	**538**	-877
60%	-1,455	-1,922	-499	-49	**10**	**28**	**16**	**38**	**198**	**622**	**282**	-846
70%	-1,181	-1,007	-501	-32	**9**	**5**	**18**	**57**	**165**	**329**	**3**	-1,119
80%	-1,155	-420	**1**	**2**	**5**	**3**	**7**	**22**	**70**	**282**	-39	-1,195
90%	-53	-142	**0**	-3	**1**	**2**	**5**	**13**	**73**	**202**	-46	-508
Long Term												
Full Simulation Period[a]	-1,207	-1,236	-673	-235	-71	**29**	**69**	**138**	**229**	**757**	**327**	-810
Water Year Types[b]												
Wet (31%)	-808	-689	-128	-42	**2**	**2**	**8**	**48**	**133**	**167**	**7**	-686
Above Normal (25%)	-1,310	-880	-839	-21	**5**	**2**	**14**	**21**	**112**	**362**	-81	-922
Below Normal (6%)	-1,071	-2,007	-1,656	-490	**17**	**27**	**23**	**59**	-2	**622**	**328**	-1,218
Dry (13%)	-1,369	-1,774	-913	-339	-120	**24**	**47**	**159**	**350**	**972**	**782**	-617
Critical (25%)	-1,382	-1,232	-656	-341	-139	**66**	**167**	**255**	**302**	**1,243**	**381**	-938

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-33-11. Sacramento River at Emmaton, Monthly EC

Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,462	3,217	2,195	1,281	947	429	399	1,058	1,921	1,906	2,367	3,248
20%	2,966	2,928	1,950	872	616	295	314	787	1,328	1,275	1,961	3,130
30%	2,828	2,711	1,919	794	321	263	281	516	787	1,205	1,521	2,583
40%	2,685	2,585	1,806	576	285	230	228	327	568	938	1,172	2,358
50%	2,477	2,560	1,023	472	236	206	208	268	545	890	1,057	2,179
60%	2,022	2,463	830	281	199	192	202	231	388	589	1,003	1,986
70%	1,607	1,448	789	249	192	189	197	209	311	430	974	1,791
80%	1,444	741	204	198	186	185	195	208	247	359	902	1,595
90%	336	389	182	194	184	182	186	188	205	357	873	836
Long Term												
Full Simulation Period[a]	2,182	2,096	1,250	613	405	271	275	477	816	960	1,347	2,134
Water Year Types[b]												
Wet (31%)	1,414	1,125	337	245	184	183	190	200	265	351	758	1,026
Above Normal (25%)	3,219	2,485	1,408	222	194	188	195	202	234	358	986	1,594
Below Normal (6%)	1,624	2,548	2,161	787	242	193	206	209	319	589	957	2,358
Dry (13%)	2,097	2,443	1,385	643	422	219	230	335	592	966	1,122	2,123
Critical (25%)	2,560	2,349	1,626	1,004	685	431	426	976	1,768	1,757	2,222	3,199

Alternative 7 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,817	1,814	1,016	517	590	457	507	1,077	1,241	2,367	2,469	3,270
20%	2,232	1,150	874	346	336	345	398	902	1,052	1,984	2,202	3,129
30%	2,086	1,115	564	331	264	262	339	581	924	1,715	2,079	3,030
40%	2,030	981	463	301	246	251	289	538	873	1,359	1,612	2,937
50%	1,604	754	388	254	226	222	248	440	672	1,067	1,457	2,514
60%	604	551	346	239	204	210	218	273	510	722	1,450	2,391
70%	391	412	295	216	197	191	213	267	366	598	1,397	746
80%	311	335	207	196	188	188	202	231	303	529	1,365	569
90%	287	250	181	189	183	184	191	200	268	518	1,291	451
Long Term												
Full Simulation Period[a]	1,497	922	589	372	327	290	335	527	735	1,254	1,734	2,062
Water Year Types[b]												
Wet (31%)	1,026	469	213	203	185	185	198	247	339	494	1,467	476
Above Normal (25%)	2,932	1,485	487	197	195	189	208	222	291	532	1,384	746
Below Normal (6%)	604	595	506	301	253	210	224	266	333	964	1,450	2,391
Dry (13%)	852	704	472	304	300	237	271	493	826	1,232	1,481	3,073
Critical (25%)	1,996	1,297	1,040	646	531	474	570	953	1,237	2,226	2,348	2,982

Alternative 7 (LLT) minus Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-645	-1,403	-1,179	-764	-357	**29**	**108**	**19**	-679	**460**	**102**	**23**
20%	-734	-1,777	-1,076	-526	-280	**50**	**84**	**115**	-276	**709**	**241**	-1
30%	-742	-1,596	-1,355	-463	-57	-1	**58**	**65**	**138**	**510**	**558**	**448**
40%	-656	-1,604	-1,343	-275	-40	**21**	**61**	**212**	**305**	**421**	**440**	**579**
50%	-874	-1,806	-636	-219	-10	**16**	**40**	**172**	**127**	**178**	**400**	**335**
60%	-1,418	-1,912	-484	-43	**5**	**18**	**16**	**42**	**121**	**133**	**447**	**405**
70%	-1,216	-1,036	-494	-33	**5**	**2**	**16**	**58**	**55**	**168**	**422**	-1,046
80%	-1,133	-406	**3**	-2	**2**	**3**	**7**	**23**	**56**	**171**	**462**	-1,026
90%	-49	-139	-1	-5	-1	**2**	**6**	**12**	**64**	**161**	**419**	-385
Long Term												
Full Simulation Period[a]	-684	-1,175	-661	-240	-78	**20**	**60**	**50**	-81	**294**	**387**	-72
Water Year Types[b]												
Wet (31%)	-388	-657	-124	-42	**1**	**1**	**8**	**48**	**74**	**143**	**710**	-550
Above Normal (25%)	-287	-999	-922	-24	**0**	**0**	**13**	**20**	**57**	**174**	**397**	-848
Below Normal (6%)	-1,020	-1,953	-1,655	-486	**10**	**17**	**18**	**57**	**13**	**374**	**493**	**33**
Dry (13%)	-1,245	-1,739	-913	-339	-122	**19**	**41**	**158**	**235**	**266**	**359**	**950**
Critical (25%)	-564	-1,052	-587	-358	-154	**43**	**144**	-23	-531	**468**	**126**	-217

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-33-12. Sacramento River at Emmaton, Monthly EC

Existing Condition

Statistic	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,462	3,217	2,195	1,281	947	429	399	1,058	1,921	1,906	2,367	3,248
20%	2,966	2,928	1,950	872	616	295	314	787	1,328	1,275	1,961	3,130
30%	2,828	2,711	1,919	794	321	263	281	516	787	1,205	1,521	2,583
40%	2,685	2,585	1,806	576	285	230	228	327	568	938	1,172	2,358
50%	2,477	2,560	1,023	472	236	206	208	268	545	890	1,057	2,179
60%	2,022	2,463	830	281	199	192	202	231	388	589	1,003	1,986
70%	1,607	1,448	789	249	192	189	197	209	311	430	974	1,791
80%	1,444	741	204	198	186	185	195	208	247	359	902	1,595
90%	336	389	182	194	184	182	186	188	205	357	873	836
Long Term												
Full Simulation Period[a]	2,182	2,096	1,250	613	405	271	275	477	816	960	1,347	2,134
Water Year Types[b]												
Wet (31%)	1,414	1,125	337	245	184	183	190	200	265	351	758	1,026
Above Normal (25%)	3,219	2,485	1,408	222	194	188	195	202	234	358	986	1,594
Below Normal (6%)	1,624	2,548	2,161	787	242	193	206	209	319	589	957	2,358
Dry (13%)	2,097	2,443	1,385	643	422	219	230	335	592	966	1,122	2,123
Critical (25%)	2,560	2,349	1,626	1,004	685	431	426	976	1,768	1,757	2,222	3,199

Alternative 8 (LLT)

Statistic	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,303	2,182	1,021	529	533	354	366	750	1,119	2,338	2,486	3,532
20%	3,112	1,684	975	338	327	251	328	583	858	1,987	2,382	3,235
30%	2,298	1,103	629	315	240	239	250	515	825	1,845	2,268	3,185
40%	2,034	980	479	285	229	218	234	367	768	1,789	2,086	3,064
50%	1,959	816	394	237	216	205	218	309	655	1,484	1,897	2,948
60%	556	582	343	224	199	204	208	241	462	1,258	1,867	2,804
70%	407	484	302	214	195	191	206	225	358	694	1,562	745
80%	315	333	205	196	190	188	196	218	295	608	1,448	512
90%	293	251	181	189	183	183	188	195	270	579	1,427	451
Long Term												
Full Simulation Period[a]	1,637	1,030	615	373	316	265	293	423	691	1,396	1,964	2,216
Water Year Types[b]												
Wet (31%)	1,205	524	214	199	185	185	194	219	323	542	1,466	461
Above Normal (25%)	2,573	1,506	553	197	193	188	201	213	289	631	1,449	745
Below Normal (6%)	556	582	505	285	235	205	211	218	330	1,258	1,882	3,229
Dry (13%)	1,128	913	509	291	259	214	228	420	815	1,693	2,043	3,391
Critical (25%)	2,231	1,428	1,065	664	532	413	479	713	1,120	2,176	2,522	3,067

Alternative 8 (LLT) minus Existing Condition

Statistic	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-159	-1,035	-1,174	-752	-414	-75	-34	-308	-802	**431**	**119**	**284**
20%	**147**	-1,244	-975	-534	-288	-45	**14**	-204	-469	**711**	**422**	**105**
30%	-530	-1,608	-1,290	-479	-81	-23	-31	-1	**38**	**640**	**747**	**602**
40%	-652	-1,605	-1,327	-291	-56	-12	**6**	**40**	**200**	**851**	**914**	**706**
50%	-518	-1,743	-629	-235	-19	-1	**10**	**42**	**110**	**594**	**840**	**769**
60%	-1,466	-1,881	-488	-58	**0**	**12**	**6**	**11**	**74**	**669**	**864**	**818**
70%	-1,201	-964	-487	-35	**3**	**2**	**9**	**16**	**47**	**264**	**587**	-1,046
80%	-1,129	-408	**1**	-2	**4**	**4**	**1**	**10**	**47**	**249**	**546**	-1,083
90%	-44	-138	-1	-5	-1	**2**	**3**	**7**	**65**	**221**	**554**	-385
Long Term												
Full Simulation Period[a]	-545	-1,066	-635	-240	-89	-6	**18**	-54	-125	**436**	**617**	**83**
Water Year Types[b]												
Wet (31%)	-209	-602	-122	-46	**1**	**2**	**4**	**20**	**58**	**191**	**709**	-565
Above Normal (25%)	-646	-978	-855	-25	-1	0	**6**	**11**	**55**	**273**	**462**	-849
Below Normal (6%)	-1,068	-1,966	-1,656	-502	-7	**11**	**5**	**9**	**10**	**669**	**925**	**871**
Dry (13%)	-970	-1,530	-876	-351	-163	-5	-2	**85**	**223**	**727**	**921**	**1,267**
Critical (25%)	-329	-921	-561	-340	-154	-18	**52**	-263	-648	**418**	**301**	-132

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-33-13. Sacramento River at Emmaton, Monthly EC

Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,462	3,217	2,195	1,281	947	429	399	1,058	1,921	1,906	2,367	3,248
20%	2,966	2,928	1,950	872	616	295	314	787	1,328	1,275	1,961	3,130
30%	2,828	2,711	1,919	794	321	263	281	516	787	1,205	1,521	2,583
40%	2,685	2,585	1,806	576	285	230	228	327	568	938	1,172	2,358
50%	2,477	2,560	1,023	472	236	206	208	268	545	890	1,057	2,179
60%	2,022	2,463	830	281	199	192	202	231	388	589	1,003	1,986
70%	1,607	1,448	789	249	192	189	197	209	311	430	974	1,791
80%	1,444	741	204	198	186	185	195	208	247	359	902	1,595
90%	336	389	182	194	184	182	186	188	205	357	873	836
Long Term												
Full Simulation Period[a]	2,182	2,096	1,250	613	405	271	275	477	816	960	1,347	2,134
Water Year Types[b]												
Wet (31%)	1,414	1,125	337	245	184	183	190	200	265	351	758	1,026
Above Normal (25%)	3,219	2,485	1,408	222	194	188	195	202	234	358	986	1,594
Below Normal (6%)	1,624	2,548	2,161	787	242	193	206	209	319	589	957	2,358
Dry (13%)	2,097	2,443	1,385	643	422	219	230	335	592	966	1,122	2,123
Critical (25%)	2,560	2,349	1,626	1,004	685	431	426	976	1,768	1,757	2,222	3,199

Alternative 9 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4,458	4,742	3,510	2,146	1,498	713	623	1,505	2,305	2,462	2,346	3,446
20%	3,807	4,019	3,068	1,201	1,096	526	490	1,045	1,520	2,317	2,122	3,316
30%	3,780	3,633	2,342	928	461	407	387	469	912	1,831	1,790	3,117
40%	3,466	3,382	1,434	856	368	319	333	382	709	1,660	1,678	2,960
50%	2,558	2,321	1,307	719	297	235	276	373	662	1,456	1,609	2,905
60%	782	826	1,124	541	209	197	241	359	620	1,112	1,550	2,782
70%	475	618	912	255	189	187	210	335	380	874	1,501	764
80%	285	376	334	190	184	183	201	254	362	485	1,461	456
90%	279	228	180	188	182	181	186	194	307	420	1,330	376
Long Term												
Full Simulation Period[a]	2,286	2,330	1,717	958	625	381	385	609	954	1,452	1,742	2,185
Water Year Types[b]												
Wet (31%)	1,422	1,348	493	302	182	182	201	305	364	558	1,434	378
Above Normal (25%)	4,202	3,923	2,342	203	189	185	197	231	373	583	1,375	764
Below Normal (6%)	782	826	1,286	790	256	197	253	359	338	1,255	1,682	2,960
Dry (13%)	1,377	1,753	1,578	1,007	575	281	297	375	716	1,572	1,658	3,087
Critical (25%)	3,238	3,242	2,645	1,779	1,267	734	705	1,242	1,972	2,457	2,214	3,322

Alternative 9 (LLT) minus Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	**996**	**1,525**	**1,315**	**865**	**551**	**284**	**224**	**447**	**384**	**555**	-21	**198**
20%	**842**	**1,091**	**1,118**	**329**	**480**	**231**	**176**	**259**	**192**	**1,041**	**161**	**186**
30%	**952**	**922**	**424**	**134**	**140**	**144**	**107**	-47	**126**	**626**	**270**	**534**
40%	**781**	**796**	-372	**279**	**83**	**89**	**105**	**55**	**141**	**722**	**506**	**602**
50%	**81**	-238	**284**	**247**	**61**	**29**	**67**	**106**	**117**	**566**	**552**	**726**
60%	-1,240	-1,637	**294**	**259**	**10**	**4**	**39**	**128**	**232**	**523**	**546**	**796**
70%	-1,133	-831	**123**	**6**	-3	-2	**13**	**126**	**69**	**445**	**526**	-1,027
80%	-1,159	-364	**130**	-8	-2	-2	**7**	**47**	**114**	**127**	**559**	-1,139
90%	-57	-161	-2	-6	-2	-1	**0**	**6**	**103**	**63**	**457**	-461
Long Term												
Full Simulation Period[a]	**104**	**234**	**467**	**345**	**220**	**110**	**110**	**132**	**138**	**492**	**395**	**51**
Water Year Types[b]												
Wet (31%)	**8**	**222**	**156**	**57**	-2	-1	**11**	**105**	**100**	**207**	**676**	-648
Above Normal (25%)	**984**	**1,439**	**934**	-19	-5	-3	**2**	**29**	**139**	**225**	**389**	-829
Below Normal (6%)	-842	-1,723	-875	**2**	**14**	**3**	**46**	**150**	**19**	**666**	**724**	**602**
Dry (13%)	-720	-690	**193**	**364**	**153**	**62**	**67**	**40**	**124**	**606**	**536**	**964**
Critical (25%)	**679**	**893**	**1,018**	**775**	**581**	**303**	**278**	**266**	**204**	**699**	-7	**123**

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-33-14. Sacramento River at Emmaton, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,246	3,738	3,029	1,137	1,135	609	518	1,322	2,252	2,010	2,593	3,748
20%	2,527	2,815	2,418	886	571	401	451	795	1,212	1,298	2,019	3,592
30%	2,421	2,699	1,743	795	401	371	344	476	891	1,275	1,992	3,325
40%	2,315	2,568	1,022	758	388	253	313	453	805	1,095	1,425	2,876
50%	2,146	1,681	976	580	321	228	233	383	616	903	1,104	2,806
60%	650	712	904	448	211	199	206	258	531	447	1,034	2,559
70%	480	554	720	264	191	190	201	254	446	394	966	680
80%	286	334	310	196	186	184	195	220	325	362	942	504
90%	280	226	184	192	182	182	186	192	275	304	903	367
Long Term												
Full Simulation Period[a]	1,707	1,772	1,332	679	481	327	332	571	957	1,008	1,514	2,253
Water Year Types[b]												
Wet (31%)	1,275	1,188	371	254	183	183	192	238	359	331	928	386
Above Normal (25%)	2,945	2,779	1,720	223	191	187	196	212	359	338	933	680
Below Normal (6%)	642	712	1,084	758	273	199	216	256	325	920	1,425	2,756
Dry (13%)	974	1,263	1,113	809	506	263	282	407	711	931	1,300	2,919
Critical (25%)	2,356	2,454	2,169	1,081	858	575	562	1,175	1,996	1,897	2,404	3,743

Alternative 1A,1B,1C (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,069	3,249	2,594	1,205	708	562	600	1,803	2,780	2,669	3,121	3,627
20%	2,712	3,059	2,176	939	658	461	522	1,034	1,410	2,541	2,473	3,430
30%	2,372	2,313	1,685	759	490	379	400	575	1,212	1,872	2,315	3,227
40%	2,176	2,075	1,548	650	360	307	309	524	749	1,696	2,236	3,084
50%	1,503	1,987	1,409	621	319	272	289	489	683	1,231	1,794	2,957
60%	1,286	1,417	1,188	495	223	223	238	473	644	730	1,668	2,861
70%	1,080	1,058	1,061	278	200	194	214	296	582	591	1,557	2,661
80%	871	985	393	203	189	188	201	266	424	523	1,519	2,081
90%	542	477	186	196	185	184	189	207	280	486	1,414	1,768
Long Term												
Full Simulation Period[a]	1,754	1,888	1,378	667	427	334	368	708	1,140	1,392	2,023	2,775
Water Year Types[b]												
Wet (31%)	1,217	917	398	306	186	186	202	320	412	491	1,597	2,528
Above Normal (25%)	2,140	2,620	1,523	216	198	191	207	249	456	626	1,593	2,913
Below Normal (6%)	550	1,115	1,618	783	281	223	281	473	424	1,347	2,344	3,617
Dry (13%)	2,416	2,607	1,540	695	470	291	291	462	787	1,309	1,603	2,625
Critical (25%)	1,741	1,951	1,926	1,090	706	568	645	1,447	2,422	2,494	2,809	2,868

Alternative 1A,1B,1C (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-177	-489	-435	**68**	-426	-47	**82**	**481**	**528**	**658**	**528**	-122
20%	**186**	**244**	-242	**52**	**86**	**60**	**71**	**239**	**198**	**1,243**	**454**	-162
30%	-49	-386	-59	-36	**89**	**8**	**56**	**99**	**321**	**596**	**323**	-98
40%	-139	-493	**526**	-108	-28	**53**	-5	**71**	-56	**601**	**810**	**207**
50%	-643	**306**	**434**	**41**	-2	**44**	**56**	**105**	**67**	**328**	**690**	**152**
60%	**636**	**705**	**284**	**47**	**12**	**24**	**32**	**215**	**113**	**283**	**634**	**301**
70%	**600**	**504**	**342**	**14**	**9**	**4**	**13**	**42**	**136**	**197**	**592**	**1,981**
80%	**585**	**651**	**83**	**7**	**3**	**5**	**7**	**46**	**99**	**161**	**577**	**1,577**
90%	**262**	**252**	**2**	**3**	**3**	**2**	**3**	**15**	**5**	**181**	**511**	**1,401**
Long Term												
Full Simulation Period[a]	**48**	**116**	**46**	-12	-54	**8**	**36**	**137**	**183**	**384**	**509**	**522**
Water Year Types[b]												
Wet (31%)	-58	-272	**27**	**52**	**3**	**2**	**10**	**82**	**52**	**160**	**668**	**2,142**
Above Normal (25%)	-805	-159	-196	-8	**7**	**4**	**11**	**37**	**97**	**288**	**660**	**2,234**
Below Normal (6%)	-91	**403**	**534**	**25**	**8**	**24**	**65**	**217**	**99**	**426**	**919**	**860**
Dry (13%)	**1,442**	**1,344**	**427**	-114	-36	**29**	**8**	**55**	**76**	**378**	**303**	-294
Critical (25%)	-615	-503	-243	**9**	-152	-7	**83**	**272**	**426**	**597**	**405**	-875

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-33-15. Sacramento River at Emmaton, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,246	3,738	3,029	1,137	1,135	609	518	1,322	2,252	2,010	2,593	3,748
20%	2,527	2,815	2,418	886	571	401	451	795	1,212	1,298	2,019	3,592
30%	2,421	2,699	1,743	795	401	371	344	476	891	1,275	1,992	3,325
40%	2,315	2,568	1,022	758	388	253	313	453	805	1,095	1,425	2,876
50%	2,146	1,681	976	580	321	228	233	383	616	903	1,104	2,806
60%	650	712	904	448	211	199	206	258	531	447	1,034	2,559
70%	480	554	720	264	191	190	201	254	446	394	966	680
80%	286	334	310	196	186	184	195	220	325	362	942	504
90%	280	226	184	192	182	182	186	192	275	304	903	367
Long Term												
Full Simulation Period[a]	1,707	1,772	1,332	679	481	327	332	571	957	1,008	1,514	2,253
Water Year Types[b]												
Wet (31%)	1,275	1,188	371	254	183	183	192	238	359	331	928	386
Above Normal (25%)	2,945	2,779	1,720	223	191	187	196	212	359	338	933	680
Below Normal (6%)	642	712	1,084	758	273	199	216	256	325	920	1,425	2,756
Dry (13%)	974	1,263	1,113	809	506	263	282	407	711	931	1,300	2,919
Critical (25%)	2,356	2,454	2,169	1,081	858	575	562	1,175	1,996	1,897	2,404	3,743

Alternative 2A,2B,2C (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,902	3,529	2,035	771	861	522	602	1,811	2,737	2,750	2,986	3,543
20%	1,662	2,241	1,584	671	632	452	514	1,006	1,477	2,717	2,584	3,389
30%	1,532	1,784	1,295	631	364	395	420	483	1,204	1,759	2,429	3,110
40%	1,355	1,616	1,049	587	288	326	334	472	727	1,412	1,982	2,802
50%	1,124	1,311	982	477	283	244	253	439	696	1,307	1,785	2,299
60%	633	676	851	305	209	219	222	302	648	621	1,636	1,582
70%	426	577	650	259	201	194	215	275	487	552	1,538	741
80%	317	388	246	197	190	188	201	232	348	499	1,470	559
90%	307	255	185	195	185	184	191	202	285	483	1,314	466
Long Term												
Full Simulation Period[a]	1,300	1,519	1,106	499	403	334	368	670	1,120	1,379	2,015	2,042
Water Year Types[b]												
Wet (31%)	824	1,078	350	245	186	186	198	271	413	496	1,591	481
Above Normal (25%)	2,149	2,662	1,362	214	199	191	210	224	365	504	1,378	741
Below Normal (6%)	633	676	1,110	659	286	219	230	287	348	1,295	2,303	3,553
Dry (13%)	916	1,331	846	587	487	291	298	423	777	1,331	1,726	2,729
Critical (25%)	1,782	1,732	1,815	712	616	568	649	1,443	2,417	2,489	2,782	2,958

Alternative 2A,2B,2C (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-344	-209	-995	-366	-274	-87	**84**	**489**	**486**	**740**	**392**	-205
20%	-865	-574	-834	-215	**60**	**50**	**63**	**210**	**265**	**1,419**	**565**	-203
30%	-890	-915	-449	-164	-37	**24**	**77**	**7**	**312**	**483**	**437**	-215
40%	-960	-952	**27**	-171	-100	**73**	**21**	**19**	-79	**317**	**556**	-74
50%	-1,022	-369	**6**	-103	-38	**16**	**20**	**56**	**80**	**404**	**681**	-507
60%	-17	-36	-53	-144	-2	**20**	**15**	**44**	**117**	**174**	**601**	-977
70%	-54	**23**	-70	-5	**9**	**5**	**14**	**22**	**42**	**158**	**573**	**61**
80%	**32**	**54**	-64	**1**	**4**	**4**	**7**	**12**	**23**	**137**	**528**	**54**
90%	**27**	**29**	**1**	**2**	**2**	**2**	**5**	**10**	**10**	**178**	**412**	**99**
Long Term												
Full Simulation Period[a]	-407	-253	-226	-180	-78	**7**	**35**	**99**	**164**	**371**	**500**	-211
Water Year Types[b]												
Wet (31%)	-451	-111	-22	-9	**3**	**2**	**6**	**33**	**54**	**165**	**662**	**96**
Above Normal (25%)	-796	-117	-358	-10	**8**	**4**	**13**	**13**	**6**	**166**	**445**	**61**
Below Normal (6%)	-8	-36	**26**	-99	**13**	**20**	**14**	**31**	**23**	**375**	**878**	**796**
Dry (13%)	-58	**68**	-267	-222	-19	**28**	**16**	**16**	**66**	**400**	**426**	-189
Critical (25%)	-574	-722	-354	-369	-242	-7	**87**	**268**	**421**	**593**	**377**	-785

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-33-16. Sacramento River at Emmaton, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,246	3,738	3,029	1,137	1,135	609	518	1,322	2,252	2,010	2,593	3,748
20%	2,527	2,815	2,418	886	571	401	451	795	1,212	1,298	2,019	3,592
30%	2,421	2,699	1,743	795	401	371	344	476	891	1,275	1,992	3,325
40%	2,315	2,568	1,022	758	388	253	313	453	805	1,095	1,425	2,876
50%	2,146	1,681	976	580	321	228	233	383	616	903	1,104	2,806
60%	650	712	904	448	211	199	206	258	531	447	1,034	2,559
70%	480	554	720	264	191	190	201	254	446	394	966	680
80%	286	334	310	196	186	184	195	220	325	362	942	504
90%	280	226	184	192	182	182	186	192	275	304	903	367
Long Term												
Full Simulation Period[a]	1,707	1,772	1,332	679	481	327	332	571	957	1,008	1,514	2,253
Water Year Types[b]												
Wet (31%)	1,275	1,188	371	254	183	183	192	238	359	331	928	386
Above Normal (25%)	2,945	2,779	1,720	223	191	187	196	212	359	338	933	680
Below Normal (6%)	642	712	1,084	758	273	199	216	256	325	920	1,425	2,756
Dry (13%)	974	1,263	1,113	809	506	263	282	407	711	931	1,300	2,919
Critical (25%)	2,356	2,454	2,169	1,081	858	575	562	1,175	1,996	1,897	2,404	3,743

Alternative 3 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,164	3,056	2,570	1,010	779	554	607	1,878	2,654	2,729	3,125	3,561
20%	2,726	2,885	2,368	924	671	460	522	1,030	1,397	2,431	2,320	3,471
30%	2,393	2,407	1,785	797	467	361	410	573	1,202	1,733	2,197	3,280
40%	2,091	2,004	1,447	731	370	282	315	539	777	1,576	2,107	3,131
50%	1,391	1,738	1,279	578	318	257	289	491	723	1,258	1,818	2,995
60%	1,265	1,410	1,127	492	213	213	236	472	674	738	1,653	2,580
70%	808	1,331	939	257	192	189	207	297	601	622	1,606	2,471
80%	760	846	390	196	189	185	200	269	423	507	1,479	2,072
90%	607	483	182	192	183	183	188	209	274	473	1,386	1,853
Long Term												
Full Simulation Period[a]	1,717	1,809	1,396	603	402	332	371	720	1,135	1,389	2,010	2,746
Water Year Types[b]												
Wet (31%)	1,217	1,123	382	265	184	184	202	321	425	499	1,607	2,416
Above Normal (25%)	2,077	2,197	1,341	206	192	187	199	253	455	622	1,550	2,796
Below Normal (6%)	781	1,270	1,723	803	278	213	279	472	423	1,371	2,320	3,695
Dry (13%)	2,462	2,523	1,497	743	454	272	289	465	815	1,274	1,647	2,708
Critical (25%)	1,563	1,739	2,084	881	644	581	660	1,481	2,372	2,504	2,745	2,830

Alternative 3 (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-82	-682	-459	-127	-356	-54	**89**	**556**	**402**	**719**	**532**	-187
20%	**199**	**70**	-50	**38**	**100**	**58**	**72**	**235**	**185**	**1,133**	**300**	-121
30%	-28	-292	**41**	**2**	**65**	-10	**66**	**96**	**311**	**458**	**205**	-45
40%	-225	-565	**425**	-27	-18	**29**	**2**	**86**	-28	**481**	**682**	**255**
50%	-756	**58**	**303**	-2	-3	**30**	**56**	**107**	**107**	**355**	**714**	**189**
60%	**615**	**698**	**222**	**44**	**2**	**14**	**30**	**214**	**143**	**291**	**618**	**21**
70%	**329**	**777**	**219**	-7	**1**	0	**7**	**44**	**155**	**228**	**641**	**1,791**
80%	**475**	**512**	**79**	0	**3**	**1**	**6**	**49**	**98**	**145**	**537**	**1,568**
90%	**327**	**257**	-2	0	**0**	**1**	**2**	**17**	-1	**168**	**484**	**1,486**
Long Term												
Full Simulation Period[a]	**10**	**37**	**64**	-76	-79	**5**	**39**	**149**	**178**	**381**	**496**	**493**
Water Year Types[b]												
Wet (31%)	-57	-65	**11**	**11**	**1**	**1**	**10**	**83**	**65**	**168**	**679**	**2,031**
Above Normal (25%)	-868	-583	-379	-18	**1**	**1**	**3**	**41**	**96**	**284**	**617**	**2,116**
Below Normal (6%)	**140**	**558**	**639**	**45**	**4**	**14**	**63**	**216**	**98**	**451**	**894**	**938**
Dry (13%)	**1,488**	**1,260**	**383**	-66	-52	**9**	**7**	**58**	**104**	**343**	**347**	-211
Critical (25%)	-792	-715	-85	-200	-215	**6**	**98**	**305**	**376**	**607**	**341**	-913

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-33-17. Sacramento River at Emmaton, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,246	3,738	3,029	1,137	1,135	609	518	1,322	2,252	2,010	2,593	3,748
20%	2,527	2,815	2,418	886	571	401	451	795	1,212	1,298	2,019	3,592
30%	2,421	2,699	1,743	795	401	371	344	476	891	1,275	1,992	3,325
40%	2,315	2,568	1,022	758	388	253	313	453	805	1,095	1,425	2,876
50%	2,146	1,681	976	580	321	228	233	383	616	903	1,104	2,806
60%	650	712	904	448	211	199	206	258	531	447	1,034	2,559
70%	480	554	720	264	191	190	201	254	446	394	966	680
80%	286	334	310	196	186	184	195	220	325	362	942	504
90%	280	226	184	192	182	182	186	192	275	304	903	367
Long Term												
Full Simulation Period[a]	1,707	1,772	1,332	679	481	327	332	571	957	1,008	1,514	2,253
Water Year Types[b]												
Wet (31%)	1,275	1,188	371	254	183	183	192	238	359	331	928	386
Above Normal (25%)	2,945	2,779	1,720	223	191	187	196	212	359	338	933	680
Below Normal (6%)	642	712	1,084	758	273	199	216	256	325	920	1,425	2,756
Dry (13%)	974	1,263	1,113	809	506	263	282	407	711	931	1,300	2,919
Critical (25%)	2,356	2,454	2,169	1,081	858	575	562	1,175	1,996	1,897	2,404	3,743

Alternative 4 H1 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,884	3,699	2,540	785	887	518	613	1,772	2,758	2,785	2,995	3,476
20%	2,318	2,218	1,819	755	425	435	517	1,010	1,420	2,640	2,532	3,366
30%	1,937	2,081	1,679	567	389	376	397	524	1,168	1,724	2,313	3,180
40%	1,691	1,838	1,541	508	285	304	338	480	881	1,646	2,126	3,048
50%	1,612	1,720	1,233	431	279	248	252	444	715	1,197	1,670	2,864
60%	1,440	1,557	1,094	291	214	215	222	299	663	656	1,571	2,735
70%	1,362	1,348	873	252	196	192	213	275	485	554	1,522	2,515
80%	1,147	1,193	233	197	189	188	202	235	329	490	1,474	2,310
90%	990	648	183	191	183	183	191	201	290	425	1,278	1,432
Long Term												
Full Simulation Period[a]	1,758	1,890	1,307	548	417	330	366	674	1,129	1,392	1,969	2,675
Water Year Types[b]												
Wet (31%)	1,181	1,006	343	240	185	185	198	270	414	482	1,515	2,521
Above Normal (25%)	2,201	2,704	1,399	204	194	189	208	226	373	490	1,367	2,722
Below Normal (6%)	1,035	1,367	1,819	774	277	215	231	290	329	1,265	2,299	3,572
Dry (13%)	2,104	2,251	1,416	614	488	281	294	445	823	1,266	1,598	2,279
Critical (25%)	1,909	2,089	1,851	833	663	566	649	1,437	2,409	2,606	2,804	2,916

Alternative 4 H1 (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-362	-39	-489	-352	-248	-90	**95**	**450**	**506**	**775**	**401**	-273
20%	-208	-597	-598	-132	-146	**34**	**66**	**214**	**208**	**1,343**	**513**	-226
30%	-484	-618	-65	-228	-12	**5**	**54**	**48**	**277**	**449**	**321**	-144
40%	-625	-730	**519**	-249	-103	**50**	**24**	**27**	**75**	**551**	**700**	**171**
50%	-534	**40**	**257**	-149	-42	**20**	**19**	**60**	**100**	**294**	**565**	**58**
60%	**789**	**845**	**190**	-157	**3**	**16**	**15**	**41**	**133**	**209**	**536**	**176**
70%	**882**	**795**	**154**	-12	**5**	**2**	**12**	**22**	**39**	**160**	**556**	**1,836**
80%	**861**	**859**	-77	**1**	**3**	**4**	**7**	**14**	**4**	**128**	**532**	**1,805**
90%	**711**	**422**	-1	-2	**1**	**2**	**5**	**10**	**15**	**120**	**375**	**1,066**
Long Term												
Full Simulation Period[a]	**51**	**119**	-25	-131	-64	**3**	**34**	**103**	**173**	**383**	**455**	**422**
Water Year Types[b]												
Wet (31%)	-94	-183	-28	-14	**2**	**2**	**6**	**32**	**55**	**151**	**587**	**2,135**
Above Normal (25%)	-744	-75	-321	-19	**3**	**2**	**12**	**14**	**14**	**152**	**434**	**2,042**
Below Normal (6%)	**394**	**655**	**735**	**16**	**4**	**16**	**15**	**34**	**4**	**344**	**873**	**816**
Dry (13%)	**1,130**	**987**	**303**	-196	-18	**18**	**11**	**38**	**112**	**335**	**298**	-640
Critical (25%)	-447	-365	-318	-248	-195	-9	**87**	**262**	**413**	**709**	**399**	-827

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-33-18. Sacramento River at Emmaton, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,246	3,738	3,029	1,137	1,135	609	518	1,322	2,252	2,010	2,593	3,748
20%	2,527	2,815	2,418	886	571	401	451	795	1,212	1,298	2,019	3,592
30%	2,421	2,699	1,743	795	401	371	344	476	891	1,275	1,992	3,325
40%	2,315	2,568	1,022	758	388	253	313	453	805	1,095	1,425	2,876
50%	2,146	1,681	976	580	321	228	233	383	616	903	1,104	2,806
60%	650	712	904	448	211	199	206	258	531	447	1,034	2,559
70%	480	554	720	264	191	190	201	254	446	394	966	680
80%	286	334	310	196	186	184	195	220	325	362	942	504
90%	280	226	184	192	182	182	186	192	275	304	903	367
Long Term												
Full Simulation Period[a]	1,707	1,772	1,332	679	481	327	332	571	957	1,008	1,514	2,253
Water Year Types[b]												
Wet (31%)	1,275	1,188	371	254	183	183	192	238	359	331	928	386
Above Normal (25%)	2,945	2,779	1,720	223	191	187	196	212	359	338	933	680
Below Normal (6%)	642	712	1,084	758	273	199	216	256	325	920	1,425	2,756
Dry (13%)	974	1,263	1,113	809	506	263	282	407	711	931	1,300	2,919
Critical (25%)	2,356	2,454	2,169	1,081	858	575	562	1,175	1,996	1,897	2,404	3,743

Alternative 4 H2 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,686	3,578	2,575	976	863	518	569	1,749	2,744	2,718	2,917	3,513
20%	2,540	2,626	2,330	794	472	453	521	962	1,487	2,381	2,590	3,365
30%	1,920	2,261	2,037	664	397	337	402	541	1,195	1,687	2,315	3,123
40%	1,844	1,889	1,729	636	308	308	338	490	969	1,492	2,051	3,024
50%	1,746	1,649	1,441	486	274	247	250	383	796	1,387	1,896	2,749
60%	1,404	1,451	1,036	280	213	208	214	273	525	747	1,638	2,417
70%	1,262	1,224	851	243	197	192	207	244	415	695	1,538	2,408
80%	1,000	1,034	224	197	189	188	186	212	341	657	1,373	2,384
90%	872	630	182	190	184	183	183	191	292	615	1,293	2,148
Long Term												
Full Simulation Period[a]	1,732	1,897	1,435	526	404	323	357	652	1,135	1,478	2,002	2,718
Water Year Types[b]												
Wet (31%)	1,213	985	348	245	185	185	189	216	359	542	1,545	2,286
Above Normal (25%)	2,238	2,740	1,285	204	195	189	199	207	348	703	1,506	2,775
Below Normal (6%)	2,566	2,626	1,951	659	261	208	229	270	341	1,302	2,326	3,566
Dry (13%)	1,906	2,185	1,610	722	519	279	293	461	885	1,399	1,690	2,866
Critical (25%)	1,638	1,913	2,122	695	599	544	631	1,409	2,429	2,636	2,750	2,752

Alternative 4 H2 (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-559	-160	-454	-161	-272	-90	**51**	**427**	**493**	**708**	**324**	-235
20%	**13**	-189	-87	-92	-99	**52**	**71**	**167**	**275**	**1,084**	**570**	-227
30%	-501	-438	**293**	-131	-4	-34	**58**	**65**	**304**	**412**	**323**	-202
40%	-471	-679	**707**	-122	-81	**55**	**25**	**36**	**163**	**397**	**625**	**147**
50%	-400	-32	**466**	-94	-47	**19**	**17**	0	**180**	**484**	**792**	-56
60%	**753**	**739**	**131**	-168	**3**	**9**	**7**	**15**	-6	**301**	**604**	-142
70%	**782**	**670**	**131**	-21	**6**	**3**	**6**	-10	-31	**301**	**573**	**1,728**
80%	**714**	**701**	-86	**1**	**3**	**4**	-8	-8	**16**	**294**	**431**	**1,879**
90%	**592**	**404**	-2	-3	**1**	**2**	-3	0	**17**	**310**	**390**	**1,782**
Long Term												
Full Simulation Period[a]	**25**	**125**	**103**	-153	-78	-4	**25**	**82**	**178**	**470**	**487**	**465**
Water Year Types[b]												
Wet (31%)	-61	-203	-23	-9	**2**	**2**	-3	-21	-1	**211**	**616**	**1,901**
Above Normal (25%)	-707	-39	-434	-20	**4**	**3**	**3**	-5	-11	**365**	**573**	**2,095**
Below Normal (6%)	**1,924**	**1,914**	**867**	-99	-12	**9**	**13**	**14**	**16**	**382**	**901**	**810**
Dry (13%)	**932**	**921**	**496**	-87	**13**	**16**	**11**	**54**	**174**	**468**	**390**	-52
Critical (25%)	-718	-541	-48	-386	-260	-31	**69**	**234**	**433**	**739**	**346**	-991

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-33-19. Sacramento River at Emmaton, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,246	3,738	3,029	1,137	1,135	609	518	1,322	2,252	2,010	2,593	3,748
20%	2,527	2,815	2,418	886	571	401	451	795	1,212	1,298	2,019	3,592
30%	2,421	2,699	1,743	795	401	371	344	476	891	1,275	1,992	3,325
40%	2,315	2,568	1,022	758	388	253	313	453	805	1,095	1,425	2,876
50%	2,146	1,681	976	580	321	228	233	383	616	903	1,104	2,806
60%	650	712	904	448	211	199	206	258	531	447	1,034	2,559
70%	480	554	720	264	191	190	201	254	446	394	966	680
80%	286	334	310	196	186	184	195	220	325	362	942	504
90%	280	226	184	192	182	182	186	192	275	304	903	367
Long Term												
Full Simulation Period[a]	1,707	1,772	1,332	679	481	327	332	571	957	1,008	1,514	2,253
Water Year Types[b]												
Wet (31%)	1,275	1,188	371	254	183	183	192	238	359	331	928	386
Above Normal (25%)	2,945	2,779	1,720	223	191	187	196	212	359	338	933	680
Below Normal (6%)	642	712	1,084	758	273	199	216	256	325	920	1,425	2,756
Dry (13%)	974	1,263	1,113	809	506	263	282	407	711	931	1,300	2,919
Critical (25%)	2,356	2,454	2,169	1,081	858	575	562	1,175	1,996	1,897	2,404	3,743

Alternative 4 H3 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,859	3,548	2,039	769	914	527	603	1,804	2,772	2,809	2,959	3,427
20%	2,553	2,535	1,465	695	660	460	532	1,006	1,477	2,717	2,736	3,245
30%	1,858	2,038	1,191	619	387	380	421	485	1,206	1,910	2,445	2,953
40%	1,508	1,793	1,026	502	282	311	333	475	774	1,602	2,257	2,805
50%	1,148	1,141	974	423	270	242	253	443	716	1,248	1,658	2,171
60%	648	680	838	297	206	211	222	302	663	637	1,582	1,533
70%	427	572	648	250	196	192	213	275	490	552	1,513	738
80%	321	390	242	197	189	188	201	232	351	495	1,435	560
90%	307	260	183	191	183	183	191	201	289	424	1,287	460
Long Term												
Full Simulation Period[a]	1,369	1,564	1,087	490	413	339	370	671	1,135	1,415	2,014	1,977
Water Year Types[b]												
Wet (31%)	1,040	1,007	345	241	185	185	198	270	418	474	1,495	474
Above Normal (25%)	2,118	2,630	1,251	204	194	189	208	225	368	493	1,367	738
Below Normal (6%)	648	680	1,280	695	261	211	229	288	351	1,324	2,333	3,570
Dry (13%)	929	1,335	845	578	483	279	298	427	800	1,294	1,716	2,483
Critical (25%)	1,828	1,944	1,771	694	658	594	657	1,443	2,440	2,653	2,863	2,951

Alternative 4 H3 (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-387	-190	-990	-368	-221	-82	85	483	521	798	366	-321
20%	26	-280	-952	-191	89	59	81	211	265	1,420	717	-347
30%	-563	-661	-553	-177	-14	9	77	9	315	635	453	-372
40%	-807	-775	4	-256	-106	58	19	22	-31	507	831	-71
50%	-998	-539	-2	-157	-51	14	20	60	100	346	553	-634
60%	-3	-32	-66	-151	-5	13	15	44	132	190	547	-1,026
70%	-52	18	-71	-14	5	2	12	22	44	157	548	58
80%	35	56	-69	1	3	4	7	12	26	133	493	56
90%	27	35	-1	-1	1	2	5	10	14	119	384	94
Long Term												
Full Simulation Period[a]	-338	-207	-244	-189	-68	12	38	101	178	407	500	-276
Water Year Types[b]												
Wet (31%)	-235	-182	-26	-13	2	2	6	32	59	143	566	88
Above Normal (25%)	-827	-149	-469	-19	3	2	12	13	9	154	434	58
Below Normal (6%)	6	-32	196	-63	-12	13	13	32	26	403	907	814
Dry (13%)	-45	72	-268	-231	-23	17	16	20	89	363	416	-436
Critical (25%)	-528	-510	-398	-388	-201	19	96	268	443	756	459	-792

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-33-20. Sacramento River at Emmaton, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,246	3,738	3,029	1,137	1,135	609	518	1,322	2,252	2,010	2,593	3,748
20%	2,527	2,815	2,418	886	571	401	451	795	1,212	1,298	2,019	3,592
30%	2,421	2,699	1,743	795	401	371	344	476	891	1,275	1,992	3,325
40%	2,315	2,568	1,022	758	388	253	313	453	805	1,095	1,425	2,876
50%	2,146	1,681	976	580	321	228	233	383	616	903	1,104	2,806
60%	650	712	904	448	211	199	206	258	531	447	1,034	2,559
70%	480	554	720	264	191	190	201	254	446	394	966	680
80%	286	334	310	196	186	184	195	220	325	362	942	504
90%	280	226	184	192	182	182	186	192	275	304	903	367
Long Term												
Full Simulation Period[a]	1,707	1,772	1,332	679	481	327	332	571	957	1,008	1,514	2,253
Water Year Types[b]												
Wet (31%)	1,275	1,188	371	254	183	183	192	238	359	331	928	386
Above Normal (25%)	2,945	2,779	1,720	223	191	187	196	212	359	338	933	680
Below Normal (6%)	642	712	1,084	758	273	199	216	256	325	920	1,425	2,756
Dry (13%)	974	1,263	1,113	809	506	263	282	407	711	931	1,300	2,919
Critical (25%)	2,356	2,454	2,169	1,081	858	575	562	1,175	1,996	1,897	2,404	3,743

Alternative 4 H4 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,005	3,285	2,516	1,126	1,042	541	583	1,736	2,722	2,740	2,796	3,307
20%	2,105	2,375	1,870	782	665	449	516	963	1,489	2,307	2,444	2,948
30%	1,574	1,967	1,353	712	401	373	390	540	1,207	1,827	2,243	2,688
40%	1,241	1,401	1,058	659	291	305	343	489	959	1,700	2,040	2,441
50%	976	920	956	482	268	242	252	386	812	1,399	1,848	2,369
60%	621	685	836	298	206	211	213	276	534	748	1,643	2,275
70%	430	584	644	251	196	192	206	243	416	688	1,520	752
80%	317	386	241	197	189	188	186	212	323	641	1,374	556
90%	304	261	181	190	184	183	182	191	285	613	1,300	453
Long Term												
Full Simulation Period[a]	1,297	1,464	1,168	611	447	332	360	651	1,135	1,475	1,962	1,961
Water Year Types[b]												
Wet (31%)	856	883	344	245	185	185	189	219	361	537	1,517	473
Above Normal (25%)	2,181	2,652	1,287	204	194	189	199	207	348	703	1,508	752
Below Normal (6%)	621	685	1,153	659	260	211	228	268	310	1,201	2,213	3,597
Dry (13%)	916	1,327	952	602	499	274	293	461	893	1,518	1,734	2,859
Critical (25%)	1,736	1,720	1,954	1,064	755	577	642	1,401	2,426	2,555	2,631	2,591

Alternative 4 H4 (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-241	-452	-513	-10	-93	-68	**65**	**414**	**470**	**730**	**203**	-441
20%	-422	-440	-548	-104	**94**	**48**	**66**	**167**	**277**	**1,009**	**425**	-643
30%	-848	-733	-390	-84	-1	**2**	**47**	**64**	**315**	**552**	**251**	-637
40%	-1,075	-1,167	**36**	-98	-98	**52**	**30**	**36**	**154**	**605**	**614**	-436
50%	-1,170	-761	-19	-98	-53	**14**	**19**	**2**	**196**	**496**	**744**	-437
60%	-30	-27	-68	-150	-5	**12**	**7**	**17**	**3**	**301**	**609**	-284
70%	-50	**31**	-76	-13	**5**	**2**	**5**	-11	-30	**294**	**554**	**72**
80%	**31**	**52**	-69	**1**	**3**	**4**	-8	-8	-2	**278**	**432**	**52**
90%	**24**	**36**	-2	-2	**1**	**2**	-4	0	**10**	**309**	**397**	**86**
Long Term												
Full Simulation Period[a]	-409	-307	-164	-68	-34	**5**	**28**	**80**	**178**	**467**	**448**	-292
Water Year Types[b]												
Wet (31%)	-418	-306	-27	-9	**2**	**2**	-3	-19	**1**	**206**	**589**	**87**
Above Normal (25%)	-764	-127	-433	-20	**3**	**3**	**3**	-4	-11	**365**	**575**	**72**
Below Normal (6%)	-21	-27	**69**	-98	-13	**12**	**12**	**12**	-15	**280**	**787**	**840**
Dry (13%)	-58	**64**	-162	-207	-8	**11**	**10**	**54**	**182**	**587**	**434**	-60
Critical (25%)	-619	-734	-215	-17	-104	**3**	**81**	**226**	**430**	**659**	**227**	-1,152

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-33-21. Sacramento River at Emmaton, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,246	3,738	3,029	1,137	1,135	609	518	1,322	2,252	2,010	2,593	3,748
20%	2,527	2,815	2,418	886	571	401	451	795	1,212	1,298	2,019	3,592
30%	2,421	2,699	1,743	795	401	371	344	476	891	1,275	1,992	3,325
40%	2,315	2,568	1,022	758	388	253	313	453	805	1,095	1,425	2,876
50%	2,146	1,681	976	580	321	228	233	383	616	903	1,104	2,806
60%	650	712	904	448	211	199	206	258	531	447	1,034	2,559
70%	480	554	720	264	191	190	201	254	446	394	966	680
80%	286	334	310	196	186	184	195	220	325	362	942	504
90%	280	226	184	192	182	182	186	192	275	304	903	367
Long Term												
Full Simulation Period[a]	1,707	1,772	1,332	679	481	327	332	571	957	1,008	1,514	2,253
Water Year Types[b]												
Wet (31%)	1,275	1,188	371	254	183	183	192	238	359	331	928	386
Above Normal (25%)	2,945	2,779	1,720	223	191	187	196	212	359	338	933	680
Below Normal (6%)	642	712	1,084	758	273	199	216	256	325	920	1,425	2,756
Dry (13%)	974	1,263	1,113	809	506	263	282	407	711	931	1,300	2,919
Critical (25%)	2,356	2,454	2,169	1,081	858	575	562	1,175	1,996	1,897	2,404	3,743

Alternative 5 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,329	3,221	2,547	1,150	995	575	553	1,659	2,642	2,799	3,116	3,420
20%	2,889	2,084	2,368	1,001	629	443	436	1,008	1,483	2,019	2,782	3,309
30%	2,283	1,921	1,360	742	431	408	387	539	1,221	1,761	2,280	3,036
40%	1,524	1,858	1,069	638	381	294	331	505	897	1,218	1,897	2,898
50%	1,348	1,539	985	617	309	248	249	463	788	1,004	1,559	2,509
60%	761	755	962	611	210	204	214	309	649	724	1,458	2,202
70%	515	567	693	254	190	188	205	280	523	586	1,394	695
80%	313	406	346	194	185	184	199	237	345	520	1,319	535
90%	295	249	182	189	183	182	189	200	287	474	1,210	409
Long Term												
Full Simulation Period[a]	1,549	1,514	1,235	614	431	339	349	667	1,143	1,310	1,935	2,064
Water Year Types[b]												
Wet (31%)	1,533	1,110	428	295	183	183	196	273	415	501	1,408	433
Above Normal (25%)	2,725	2,914	1,308	201	190	186	198	226	395	528	1,346	695
Below Normal (6%)	761	755	989	680	276	204	224	284	345	951	1,912	3,461
Dry (13%)	1,158	1,241	1,198	872	505	292	296	465	873	1,305	1,655	2,853
Critical (25%)	1,563	1,646	1,930	815	697	588	600	1,395	2,399	2,344	2,822	3,007

Alternative 5 (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	**83**	-517	-482	**13**	-140	-34	**35**	**337**	**390**	**789**	**523**	-329
20%	**362**	-731	-50	**114**	**58**	**42**	-15	**212**	**270**	**721**	**763**	-283
30%	-138	-778	-384	-54	**29**	**37**	**43**	**62**	**330**	**486**	**288**	-288
40%	-792	-710	**47**	-120	-7	**41**	**17**	**52**	**92**	**123**	**471**	**21**
50%	-798	-142	**9**	**37**	-12	**20**	**16**	**79**	**173**	**101**	**455**	-296
60%	**110**	**43**	**58**	**163**	-1	**5**	**7**	**51**	**118**	**277**	**423**	-357
70%	**35**	**13**	-26	-10	-1	-1	**5**	**26**	**77**	**191**	**429**	**15**
80%	**28**	**72**	**35**	-2	0	**0**	**4**	**17**	**21**	**158**	**377**	**31**
90%	**15**	**23**	-2	-3	**0**	0	**3**	**8**	**12**	**169**	**307**	**42**
Long Term												
Full Simulation Period[a]	-157	-258	-97	-65	-51	**12**	**17**	**96**	**186**	**302**	**421**	-189
Water Year Types[b]												
Wet (31%)	**258**	-79	**57**	**41**	0	0	**3**	**35**	**56**	**170**	**480**	**48**
Above Normal (25%)	-221	**135**	-412	-22	-1	-1	**2**	**14**	**36**	**190**	**413**	**15**
Below Normal (6%)	**119**	**43**	-95	-78	**3**	**5**	**8**	**28**	**21**	**31**	**487**	**704**
Dry (13%)	**184**	-22	**85**	**63**	-1	**30**	**13**	**57**	**162**	**374**	**355**	-66
Critical (25%)	-793	-808	-240	-266	-161	**13**	**39**	**220**	**402**	**448**	**417**	-737

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-33-22. Sacramento River at Emmaton, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,246	3,738	3,029	1,137	1,135	609	518	1,322	2,252	2,010	2,593	3,748
20%	2,527	2,815	2,418	886	571	401	451	795	1,212	1,298	2,019	3,592
30%	2,421	2,699	1,743	795	401	371	344	476	891	1,275	1,992	3,325
40%	2,315	2,568	1,022	758	388	253	313	453	805	1,095	1,425	2,876
50%	2,146	1,681	976	580	321	228	233	383	616	903	1,104	2,806
60%	650	712	904	448	211	199	206	258	531	447	1,034	2,559
70%	480	554	720	264	191	190	201	254	446	394	966	680
80%	286	334	310	196	186	184	195	220	325	362	942	504
90%	280	226	184	192	182	182	186	192	275	304	903	367
Long Term												
Full Simulation Period[a]	1,707	1,772	1,332	679	481	327	332	571	957	1,008	1,514	2,253
Water Year Types[b]												
Wet (31%)	1,275	1,188	371	254	183	183	192	238	359	331	928	386
Above Normal (25%)	2,945	2,779	1,720	223	191	187	196	212	359	338	933	680
Below Normal (6%)	642	712	1,084	758	273	199	216	256	325	920	1,425	2,756
Dry (13%)	974	1,263	1,113	809	506	263	282	407	711	931	1,300	2,919
Critical (25%)	2,356	2,454	2,169	1,081	858	575	562	1,175	1,996	1,897	2,404	3,743

Alternative 6A,6B,6C (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,999	1,924	924	519	602	503	546	1,382	2,178	3,114	2,795	2,226
20%	1,359	1,123	846	348	342	347	408	962	1,477	2,682	2,415	2,049
30%	1,042	875	656	337	266	267	351	588	1,198	2,369	2,213	1,711
40%	949	801	493	298	248	253	292	534	986	2,046	1,952	1,492
50%	879	671	389	248	226	228	257	436	839	1,763	1,595	1,302
60%	567	541	331	233	209	220	218	269	586	1,212	1,285	1,140
70%	426	441	288	217	201	194	214	266	476	759	977	672
80%	289	320	205	200	191	188	202	230	317	641	864	400
90%	284	247	182	191	185	184	191	201	277	559	826	328
Long Term												
Full Simulation Period[a]	975	860	576	378	334	300	345	615	1,045	1,717	1,674	1,323
Water Year Types[b]												
Wet (31%)	606	436	209	203	186	186	198	247	398	518	765	340
Above Normal (25%)	1,908	1,605	569	201	200	191	209	223	346	720	906	672
Below Normal (6%)	553	541	505	298	260	220	229	269	317	1,212	1,285	1,140
Dry (13%)	729	669	473	304	302	242	277	495	942	1,938	1,904	1,506
Critical (25%)	1,178	1,117	971	663	546	497	593	1,231	2,070	3,000	2,603	2,261

Alternative 6A,6B,6C (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-1,247	-1,814	-2,106	-618	-532	-106	**28**	**61**	-74	**1,103**	**201**	-1,523
20%	-1,167	-1,692	-1,571	-539	-229	-54	-43	**167**	**265**	**1,384**	**395**	-1,542
30%	-1,380	-1,824	-1,087	-459	-135	-104	**7**	**112**	**307**	**1,093**	**221**	-1,614
40%	-1,366	-1,767	-529	-460	-141	0	-22	**81**	**180**	**950**	**526**	-1,385
50%	-1,267	-1,009	-586	-332	-95	0	**24**	**53**	**224**	**860**	**490**	-1,504
60%	-83	-171	-573	-215	-2	**21**	**12**	**11**	**56**	**765**	**251**	-1,419
70%	-54	-113	-432	-47	**9**	**4**	**14**	**12**	**30**	**365**	**12**	-8
80%	**4**	-13	-105	**4**	**5**	**4**	**7**	**9**	-8	**279**	-78	-104
90%	**4**	**21**	-2	-1	**2**	**2**	**5**	**10**	**2**	**254**	-76	-39
Long Term												
Full Simulation Period[a]	-732	-912	-755	-301	-148	-27	**12**	**44**	**88**	**709**	**160**	-930
Water Year Types[b]												
Wet (31%)	-668	-752	-162	-51	**3**	**2**	**5**	**9**	**39**	**187**	-164	-46
Above Normal (25%)	-1,037	-1,174	-1,151	-23	**8**	**4**	**13**	**11**	-13	**382**	-27	-8
Below Normal (6%)	-89	-171	-579	-460	-14	**21**	**13**	**12**	-8	**291**	-140	-1,616
Dry (13%)	-245	-594	-640	-505	-204	-20	-5	**87**	**231**	**1,006**	**604**	-1,412
Critical (25%)	-1,178	-1,337	-1,198	-418	-312	-78	**32**	**56**	**74**	**1,103**	**199**	-1,482

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-33-23. Sacramento River at Emmaton, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,246	3,738	3,029	1,137	1,135	609	518	1,322	2,252	2,010	2,593	3,748
20%	2,527	2,815	2,418	886	571	401	451	795	1,212	1,298	2,019	3,592
30%	2,421	2,699	1,743	795	401	371	344	476	891	1,275	1,992	3,325
40%	2,315	2,568	1,022	758	388	253	313	453	805	1,095	1,425	2,876
50%	2,146	1,681	976	580	321	228	233	383	616	903	1,104	2,806
60%	650	712	904	448	211	199	206	258	531	447	1,034	2,559
70%	480	554	720	264	191	190	201	254	446	394	966	680
80%	286	334	310	196	186	184	195	220	325	362	942	504
90%	280	226	184	192	182	182	186	192	275	304	903	367
Long Term												
Full Simulation Period[a]	1,707	1,772	1,332	679	481	327	332	571	957	1,008	1,514	2,253
Water Year Types[b]												
Wet (31%)	1,275	1,188	371	254	183	183	192	238	359	331	928	386
Above Normal (25%)	2,945	2,779	1,720	223	191	187	196	212	359	338	933	680
Below Normal (6%)	642	712	1,084	758	273	199	216	256	325	920	1,425	2,756
Dry (13%)	974	1,263	1,113	809	506	263	282	407	711	931	1,300	2,919
Critical (25%)	2,356	2,454	2,169	1,081	858	575	562	1,175	1,996	1,897	2,404	3,743

Alternative 7 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,817	1,814	1,016	517	590	457	507	1,077	1,241	2,367	2,469	3,270
20%	2,232	1,150	874	346	336	345	398	902	1,052	1,984	2,202	3,129
30%	2,086	1,115	564	331	264	262	339	581	924	1,715	2,079	3,030
40%	2,030	981	463	301	246	251	289	538	873	1,359	1,612	2,937
50%	1,604	754	388	254	226	222	248	440	672	1,067	1,457	2,514
60%	604	551	346	239	204	210	218	273	510	722	1,450	2,391
70%	391	412	295	216	197	191	213	267	366	598	1,397	746
80%	311	335	207	196	188	188	202	231	303	529	1,365	569
90%	287	250	181	189	183	184	191	200	268	518	1,291	451
Long Term												
Full Simulation Period[a]	1,497	922	589	372	327	290	335	527	735	1,254	1,734	2,062
Water Year Types[b]												
Wet (31%)	1,026	469	213	203	185	185	198	247	339	494	1,467	476
Above Normal (25%)	2,932	1,485	487	197	195	189	208	222	291	532	1,384	746
Below Normal (6%)	604	595	506	301	253	210	224	266	333	964	1,450	2,391
Dry (13%)	852	704	472	304	300	237	271	493	826	1,232	1,481	3,073
Critical (25%)	1,996	1,297	1,040	646	531	474	570	953	1,237	2,226	2,348	2,982

Alternative 7 (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-429	-1,924	-2,013	-620	-545	-151	-11	-245	-1,010	**356**	-124	-478
20%	-295	-1,665	-1,543	-540	-235	-56	-53	**106**	-160	**687**	**183**	-463
30%	-335	-1,585	-1,180	-464	-137	-109	-5	**105**	**33**	**440**	**87**	-294
40%	-286	-1,587	-559	-457	-143	-2	-24	**85**	**67**	**264**	**186**	**60**
50%	-543	-927	-588	-326	-95	-6	**15**	**56**	**56**	**165**	**352**	-292
60%	-47	-161	-558	-210	-6	**11**	**12**	**15**	-21	**275**	**416**	-168
70%	-88	-142	-425	-48	**5**	**1**	**12**	**14**	-80	**203**	**431**	**66**
80%	**25**	**1**	-103	-1	**3**	**4**	**7**	**10**	-22	**167**	**423**	**64**
90%	**7**	**24**	-3	-3	**1**	**2**	**5**	**8**	-7	**214**	**388**	**85**
Long Term												
Full Simulation Period[a]	-209	-850	-743	-307	-154	-36	**3**	-44	-222	**246**	**220**	-191
Water Year Types[b]												
Wet (31%)	-249	-720	-158	-51	**2**	**1**	**5**	**9**	-21	**163**	**539**	**91**
Above Normal (25%)	-14	-1,294	-1,233	-26	**3**	**2**	**12**	**11**	-68	**194**	**451**	**66**
Below Normal (6%)	-38	-117	-578	-457	-21	**11**	**8**	**10**	**8**	**43**	**25**	-365
Dry (13%)	-122	-559	-641	-506	-206	-25	-11	**86**	**115**	**301**	**181**	**155**
Critical (25%)	-360	-1,157	-1,130	-435	-327	-101	**9**	-222	-759	**329**	-56	-761

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-33-24. Sacramento River at Emmaton, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,246	3,738	3,029	1,137	1,135	609	518	1,322	2,252	2,010	2,593	3,748
20%	2,527	2,815	2,418	886	571	401	451	795	1,212	1,298	2,019	3,592
30%	2,421	2,699	1,743	795	401	371	344	476	891	1,275	1,992	3,325
40%	2,315	2,568	1,022	758	388	253	313	453	805	1,095	1,425	2,876
50%	2,146	1,681	976	580	321	228	233	383	616	903	1,104	2,806
60%	650	712	904	448	211	199	206	258	531	447	1,034	2,559
70%	480	554	720	264	191	190	201	254	446	394	966	680
80%	286	334	310	196	186	184	195	220	325	362	942	504
90%	280	226	184	192	182	182	186	192	275	304	903	367
Long Term												
Full Simulation Period[a]	1,707	1,772	1,332	679	481	327	332	571	957	1,008	1,514	2,253
Water Year Types[b]												
Wet (31%)	1,275	1,188	371	254	183	183	192	238	359	331	928	386
Above Normal (25%)	2,945	2,779	1,720	223	191	187	196	212	359	338	933	680
Below Normal (6%)	642	712	1,084	758	273	199	216	256	325	920	1,425	2,756
Dry (13%)	974	1,263	1,113	809	506	263	282	407	711	931	1,300	2,919
Critical (25%)	2,356	2,454	2,169	1,081	858	575	562	1,175	1,996	1,897	2,404	3,743

Alternative 8 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,303	2,182	1,021	529	533	354	366	750	1,119	2,338	2,486	3,532
20%	3,112	1,684	975	338	327	251	328	583	858	1,987	2,382	3,235
30%	2,298	1,103	629	315	240	239	250	515	825	1,845	2,268	3,185
40%	2,034	980	479	285	229	218	234	367	768	1,789	2,086	3,064
50%	1,959	816	394	237	216	205	218	309	655	1,484	1,897	2,948
60%	556	582	343	224	199	204	208	241	462	1,258	1,867	2,804
70%	407	484	302	214	195	191	206	225	358	694	1,562	745
80%	315	333	205	196	190	188	196	218	295	608	1,448	512
90%	293	251	181	189	183	183	188	195	270	579	1,427	451
Long Term												
Full Simulation Period[a]	1,637	1,030	615	373	316	265	293	423	691	1,396	1,964	2,216
Water Year Types[b]												
Wet (31%)	1,205	524	214	199	185	185	194	219	323	542	1,466	461
Above Normal (25%)	2,573	1,506	553	197	193	188	201	213	289	631	1,449	745
Below Normal (6%)	556	582	505	285	235	205	211	218	330	1,258	1,882	3,229
Dry (13%)	1,128	913	509	291	259	214	228	420	815	1,693	2,043	3,391
Critical (25%)	2,231	1,428	1,065	664	532	413	479	713	1,120	2,176	2,522	3,067

Alternative 8 (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	58	-1,556	-2,008	-608	-602	-254	-152	-571	-1,133	327	-108	-217
20%	586	-1,131	-1,443	-548	-244	-151	-123	-212	-354	689	363	-357
30%	-123	-1,596	-1,114	-481	-161	-131	-94	39	-66	570	276	-140
40%	-282	-1,588	-543	-473	-159	-35	-79	-86	-37	694	661	188
50%	-187	-864	-582	-343	-105	-23	-14	-74	40	581	793	142
60%	-95	-130	-562	-224	-12	6	2	-17	-69	811	833	245
70%	-73	-70	-418	-50	3	1	5	-28	-87	299	596	65
80%	30	-1	-105	-1	4	5	1	-2	-30	246	506	8
90%	13	26	-3	-4	1	1	2	3	-5	274	524	85
Long Term												
Full Simulation Period[a]	-70	-741	-717	-306	-166	-62	-39	-148	-266	388	450	-37
Water Year Types[b]												
Wet (31%)	-69	-665	-157	-55	2	2	1	-19	-37	211	538	76
Above Normal (25%)	-372	-1,273	-1,167	-27	2	2	5	2	-70	293	516	65
Below Normal (6%)	-86	-130	-579	-473	-38	6	-5	-38	5	338	457	473
Dry (13%)	154	-350	-604	-518	-247	-48	-54	13	104	762	743	472
Critical (25%)	-125	-1,025	-1,104	-417	-327	-162	-83	-462	-876	279	118	-676

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-33-25. Sacramento River at Emmaton, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,246	3,738	3,029	1,137	1,135	609	518	1,322	2,252	2,010	2,593	3,748
20%	2,527	2,815	2,418	886	571	401	451	795	1,212	1,298	2,019	3,592
30%	2,421	2,699	1,743	795	401	371	344	476	891	1,275	1,992	3,325
40%	2,315	2,568	1,022	758	388	253	313	453	805	1,095	1,425	2,876
50%	2,146	1,681	976	580	321	228	233	383	616	903	1,104	2,806
60%	650	712	904	448	211	199	206	258	531	447	1,034	2,559
70%	480	554	720	264	191	190	201	254	446	394	966	680
80%	286	334	310	196	186	184	195	220	325	362	942	504
90%	280	226	184	192	182	182	186	192	275	304	903	367
Long Term												
Full Simulation Period[a]	1,707	1,772	1,332	679	481	327	332	571	957	1,008	1,514	2,253
Water Year Types[b]												
Wet (31%)	1,275	1,188	371	254	183	183	192	238	359	331	928	386
Above Normal (25%)	2,945	2,779	1,720	223	191	187	196	212	359	338	933	680
Below Normal (6%)	642	712	1,084	758	273	199	216	256	325	920	1,425	2,756
Dry (13%)	974	1,263	1,113	809	506	263	282	407	711	931	1,300	2,919
Critical (25%)	2,356	2,454	2,169	1,081	858	575	562	1,175	1,996	1,897	2,404	3,743

Alternative 9 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	4,458	4,742	3,510	2,146	1,498	713	623	1,505	2,305	2,462	2,346	3,446
20%	3,807	4,019	3,068	1,201	1,096	526	490	1,045	1,520	2,317	2,122	3,316
30%	3,780	3,633	2,342	928	461	407	387	469	912	1,831	1,790	3,117
40%	3,466	3,382	1,434	856	368	319	333	382	709	1,660	1,678	2,960
50%	2,558	2,321	1,307	719	297	235	276	373	662	1,456	1,609	2,905
60%	782	826	1,124	541	209	197	241	359	620	1,112	1,550	2,782
70%	475	618	912	255	189	187	210	335	380	874	1,501	764
80%	285	376	334	190	184	183	201	254	362	485	1,461	456
90%	279	228	180	188	182	181	186	194	307	420	1,330	376
Long Term												
Full Simulation Period[a]	2,286	2,330	1,717	958	625	381	385	609	954	1,452	1,742	2,185
Water Year Types[b]												
Wet (31%)	1,422	1,348	493	302	182	182	201	305	364	558	1,434	378
Above Normal (25%)	4,202	3,923	2,342	203	189	185	197	231	373	583	1,375	764
Below Normal (6%)	782	826	1,286	790	256	197	253	359	338	1,255	1,682	2,960
Dry (13%)	1,377	1,753	1,578	1,007	575	281	297	375	716	1,572	1,658	3,087
Critical (25%)	3,238	3,242	2,645	1,779	1,267	734	705	1,242	1,972	2,457	2,214	3,322

Alternative 9 (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	**1,212**	**1,004**	**480**	**1,009**	**363**	**105**	**105**	**184**	**53**	**451**	-247	-303
20%	**1,281**	**1,204**	**651**	**315**	**524**	**125**	**39**	**250**	**308**	**1,019**	**103**	-276
30%	**1,359**	**934**	**599**	**133**	**60**	**36**	**44**	-7	**21**	**556**	-202	-208
40%	**1,151**	**813**	**412**	**98**	-20	**66**	**19**	-71	-96	**565**	**253**	**84**
50%	**412**	**641**	**332**	**139**	-24	**7**	**43**	-10	**46**	**553**	**505**	**99**
60%	**131**	**114**	**220**	**93**	-2	-2	**35**	**101**	**89**	**666**	**515**	**223**
70%	-5	**64**	**193**	-9	-2	-2	**9**	**81**	-66	**480**	**535**	**84**
80%	0	**43**	**24**	-7	-2	-1	**7**	**34**	**37**	**123**	**519**	-48
90%	-1	**3**	-4	-4	-1	-1	**0**	**3**	**32**	**116**	**427**	**9**
Long Term												
Full Simulation Period[a]	**579**	**559**	**386**	**279**	**143**	**54**	**53**	**38**	-3	**443**	**228**	-68
Water Year Types[b]												
Wet (31%)	**147**	**159**	**122**	**48**	-1	-1	**9**	**67**	**5**	**227**	**506**	-7
Above Normal (25%)	**1,257**	**1,144**	**622**	-21	-2	-1	**1**	**19**	**14**	**245**	**442**	**84**
Below Normal (6%)	**140**	**114**	**202**	**32**	-17	-2	**36**	**103**	**13**	**335**	**256**	**204**
Dry (13%)	**403**	**489**	**465**	**198**	**68**	**18**	**15**	-32	**5**	**641**	**358**	**168**
Critical (25%)	**883**	**789**	**476**	**698**	**408**	**159**	**143**	**67**	-25	**560**	-190	-422

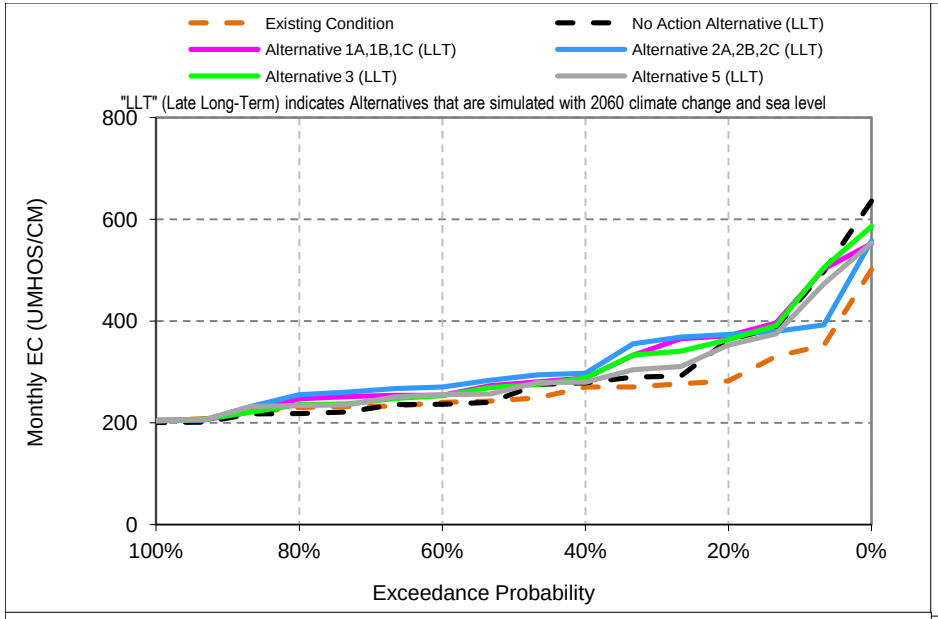
a Based on the 16-year simulation period

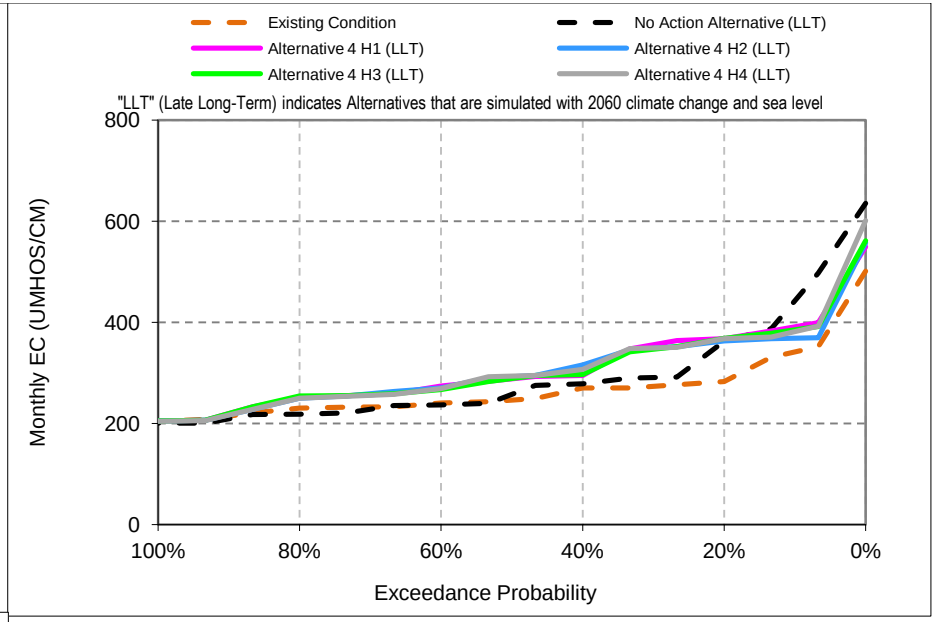
b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

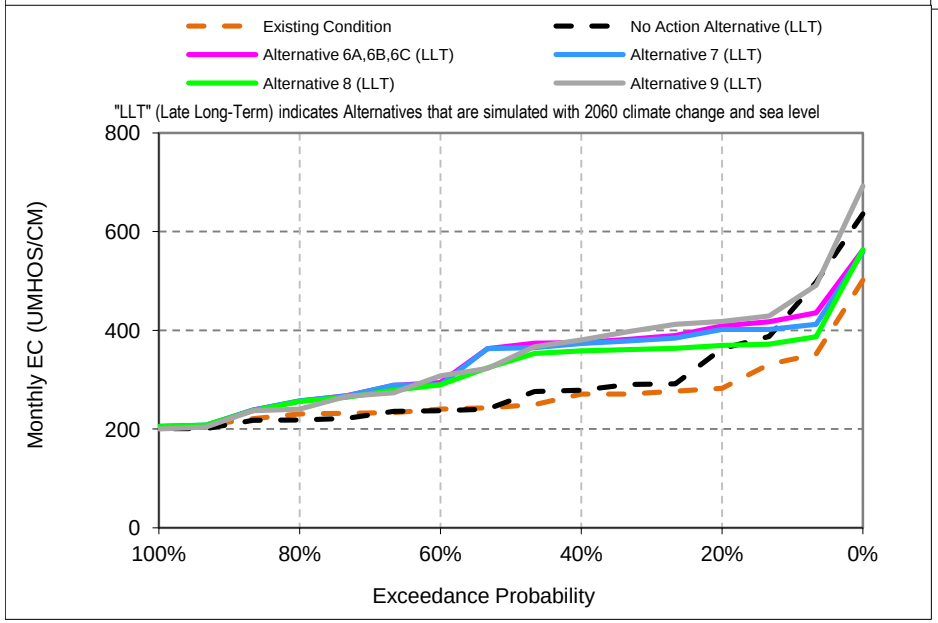
Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

C.34. San Joaquin River at Jersey Point Salinity



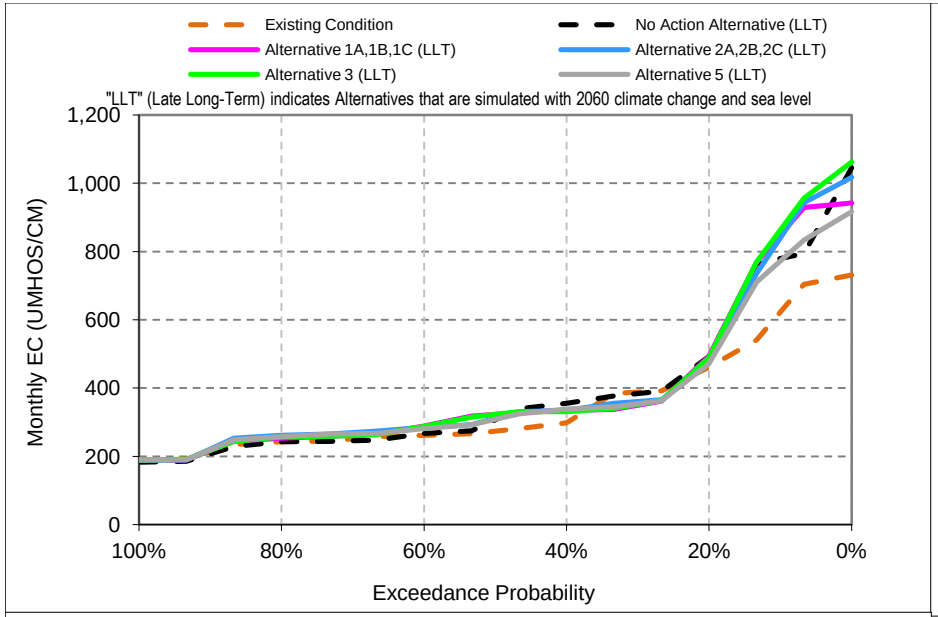


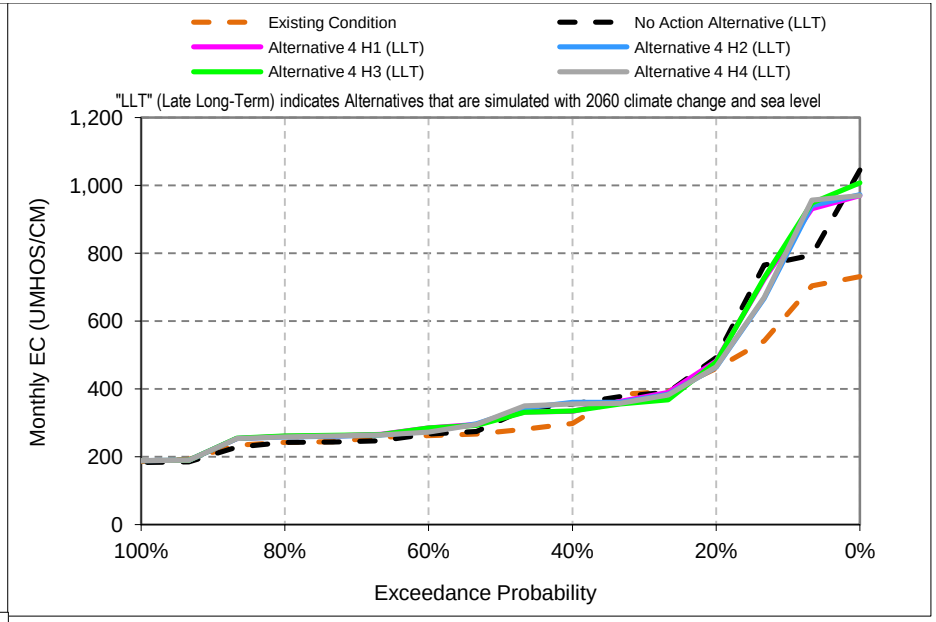


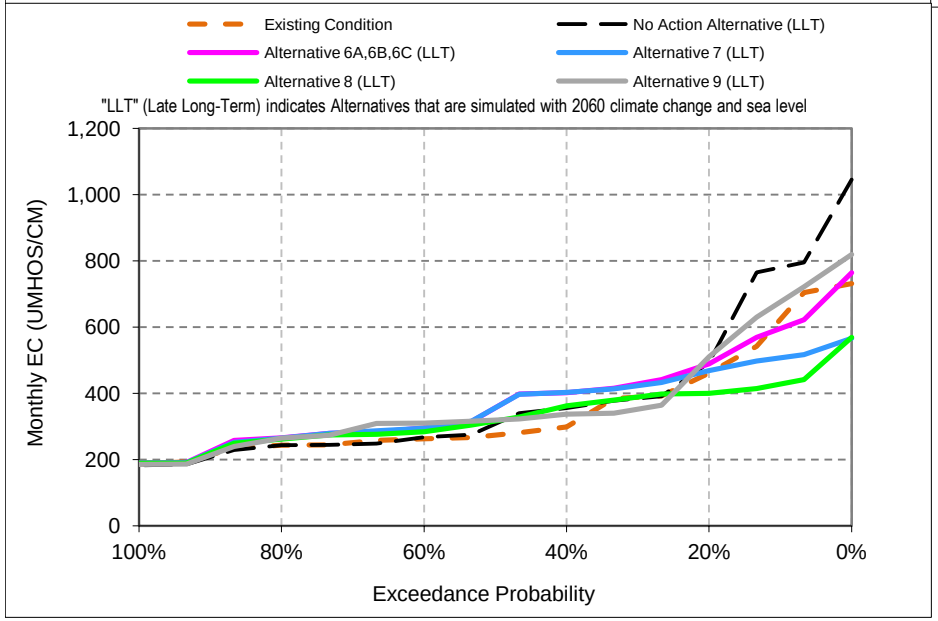
Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-34-1. San Joaquin River at Jersey Point, April EC



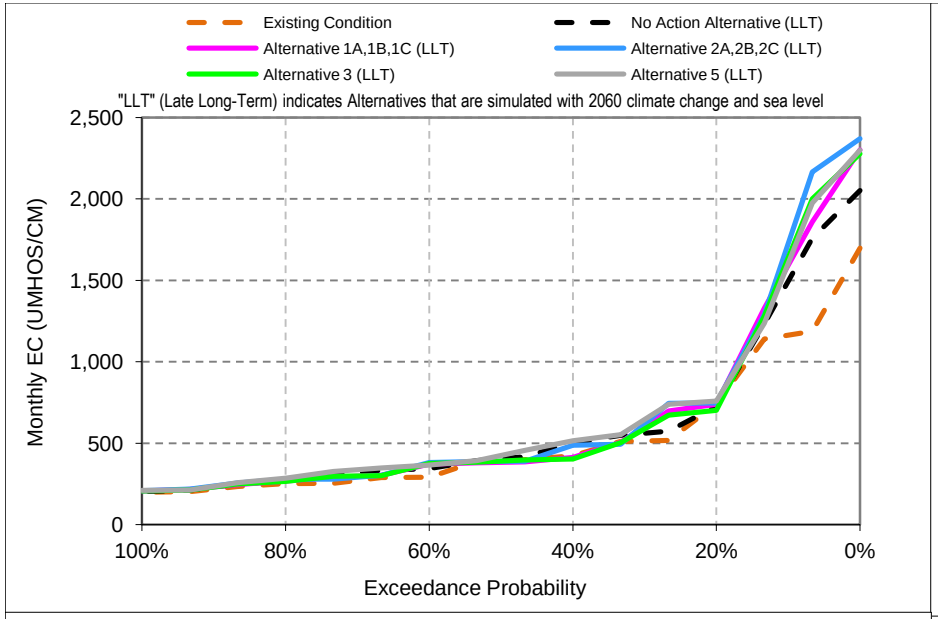


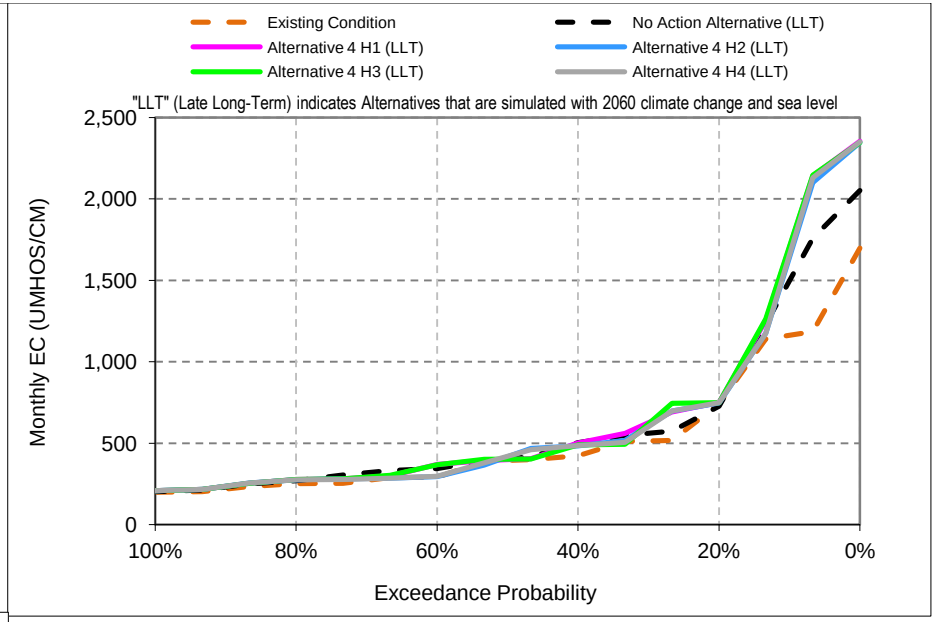


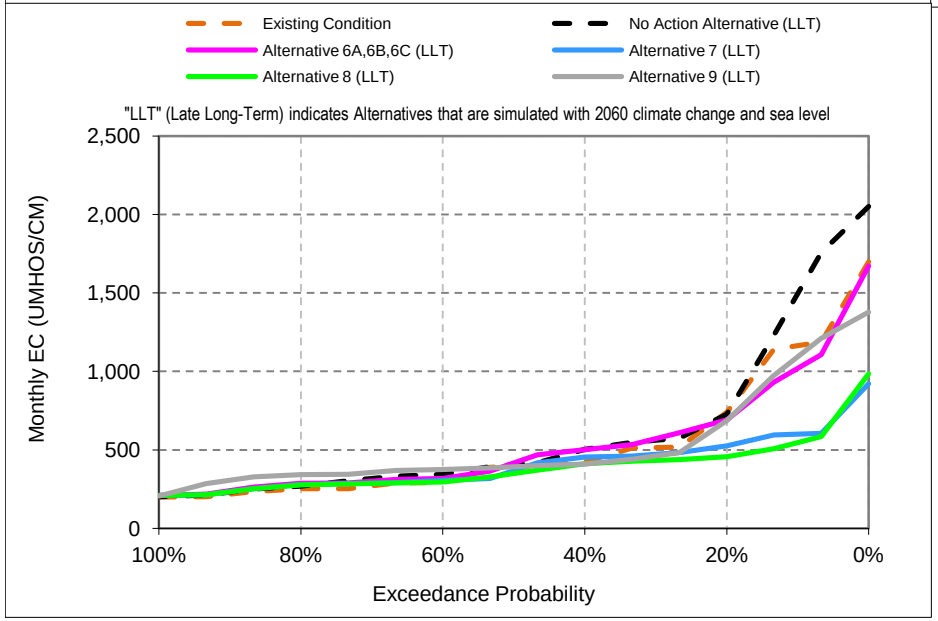
Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-34-2. San Joaquin River at Jersey Point, May EC



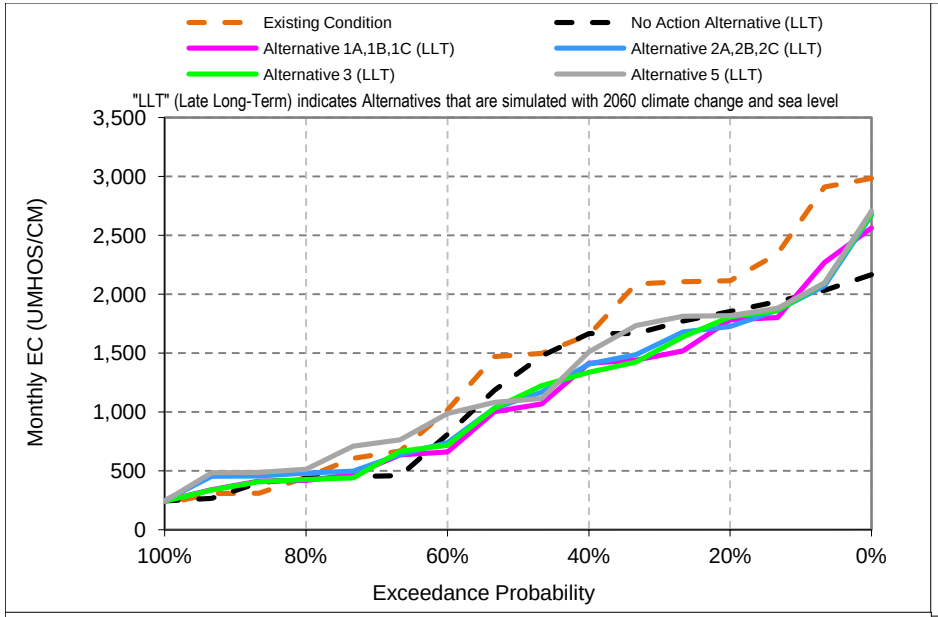


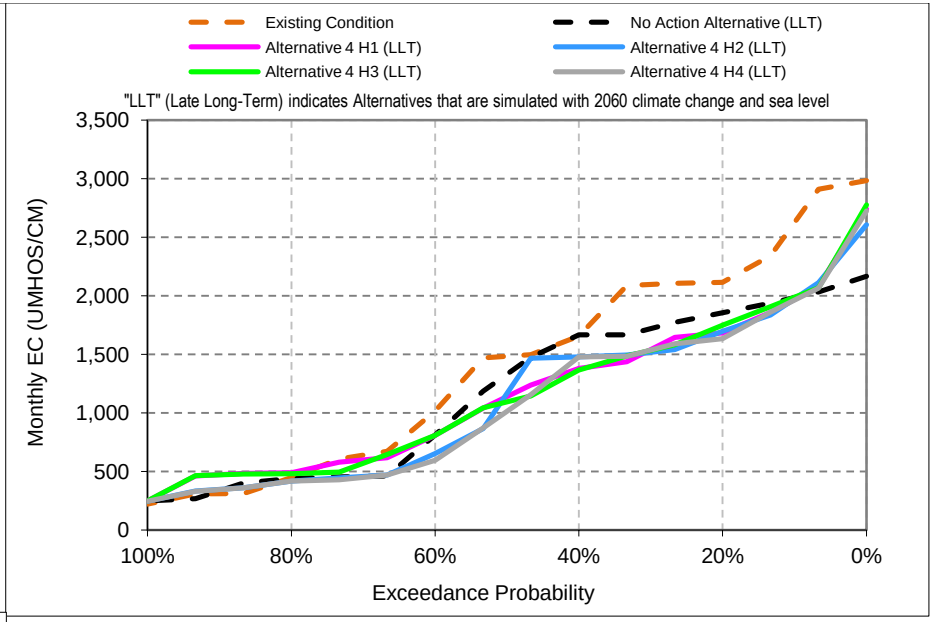


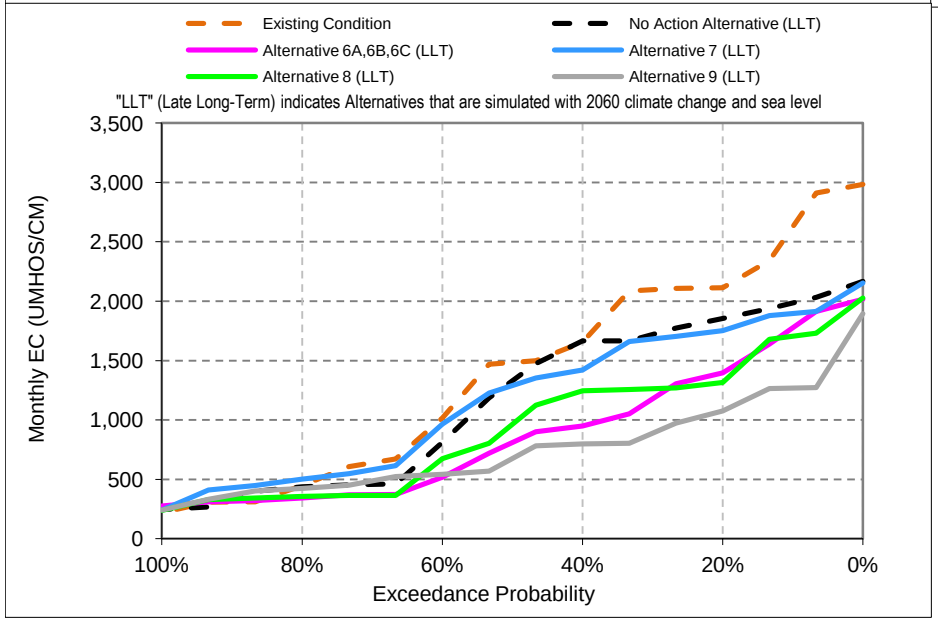
Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-34-3. San Joaquin River at Jersey Point, June EC



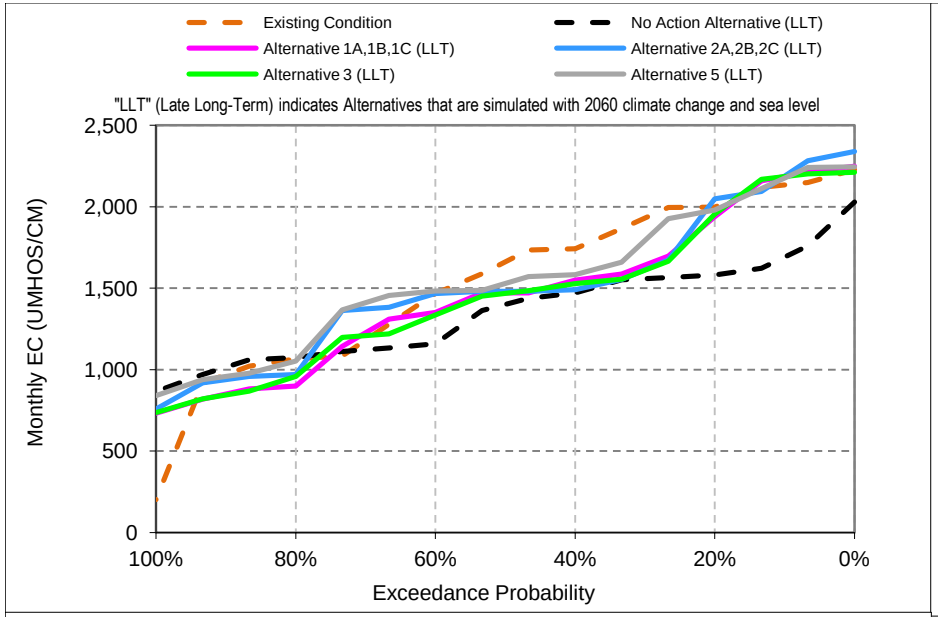


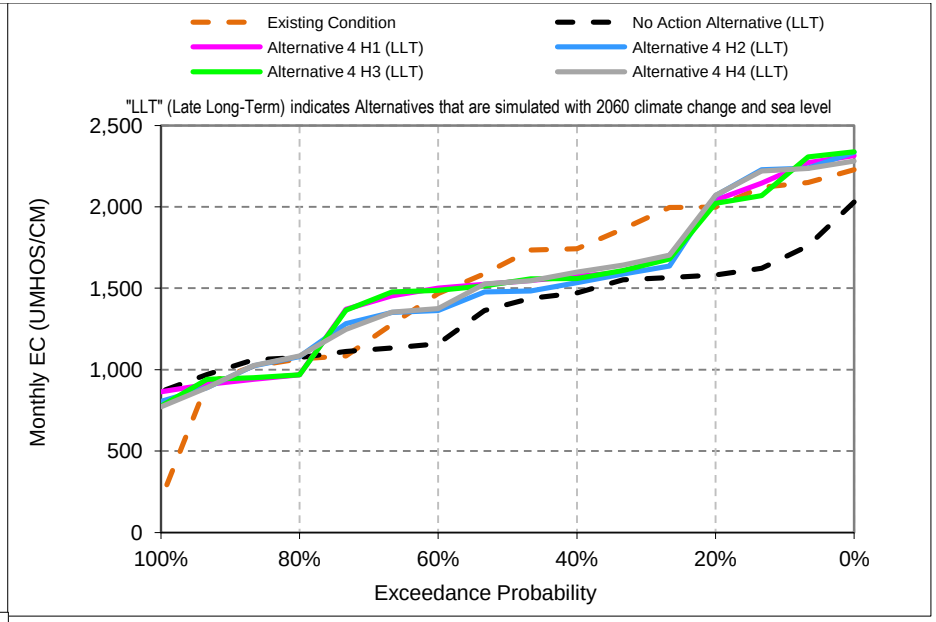


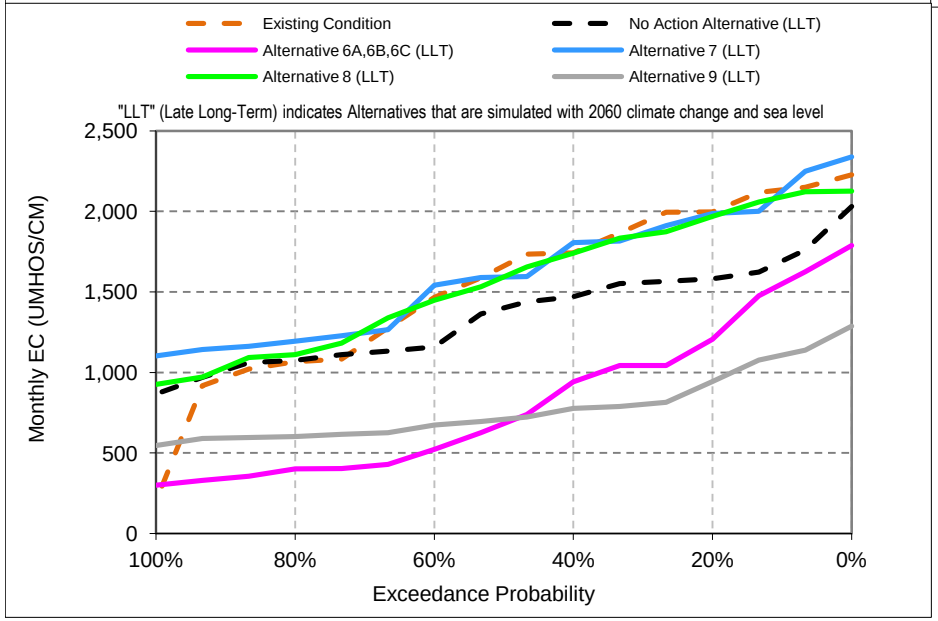
Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-34-4. San Joaquin River at Jersey Point, July EC







Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-34-5. San Joaquin River at Jersey Point, August EC

Table C-34-1. San Joaquin River at Jersey Point, Monthly EC

Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,677	3,141	2,602	1,341	862	409	342	623	1,164	2,626	2,134	2,557
20%	2,491	2,810	2,416	1,325	756	362	283	461	740	2,114	1,997	2,475
30%	2,380	2,656	2,329	1,247	469	287	274	388	515	2,097	1,930	2,418
40%	2,255	2,630	2,113	1,183	334	265	270	298	424	1,655	1,743	2,349
50%	2,136	2,529	1,985	867	298	262	246	274	394	1,484	1,661	2,322
60%	2,056	2,372	1,705	533	270	259	241	262	292	1,017	1,467	2,233
70%	2,009	2,037	1,406	381	263	241	233	251	271	638	1,181	2,136
80%	1,618	1,649	284	318	250	239	230	243	252	448	1,066	1,994
90%	554	622	237	264	235	224	215	213	218	309	969	1,158
Long Term												
Full Simulation Period[a]	1,951	2,204	1,669	861	452	299	272	355	545	1,422	1,528	2,066
Water Year Types[b]												
Wet (31%)	1,349	1,630	597	361	240	236	223	222	237	452	843	1,242
Above Normal (25%)	2,547	2,676	2,420	459	274	252	258	251	243	378	1,098	1,972
Below Normal (6%)	2,255	2,630	2,416	1,338	334	240	241	262	290	1,017	1,467	2,639
Dry (13%)	1,947	2,625	1,938	1,009	468	256	242	301	431	1,677	1,733	2,383
Critical (25%)	2,136	2,051	1,861	1,209	704	414	346	564	1,057	2,491	2,098	2,395

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,267	2,876	2,362	1,459	1,013	502	442	780	1,495	1,985	1,691	2,903
20%	2,013	2,682	2,247	1,238	631	417	363	492	728	1,854	1,581	2,717
30%	1,967	2,353	1,934	1,192	460	338	291	384	561	1,720	1,559	2,572
40%	1,700	2,098	1,554	1,100	415	309	278	356	503	1,667	1,471	2,468
50%	1,565	1,912	1,483	760	327	267	258	307	406	1,331	1,401	2,391
60%	536	661	1,266	660	303	256	237	267	344	811	1,159	2,172
70%	320	483	880	490	261	240	229	246	318	457	1,122	953
80%	260	264	429	334	250	234	219	243	270	438	1,074	784
90%	255	223	271	253	228	226	209	207	231	334	1,015	624
Long Term												
Full Simulation Period[a]	1,262	1,561	1,435	846	488	333	299	402	633	1,177	1,360	1,915
Water Year Types[b]												
Wet (31%)	1,111	1,453	559	346	230	230	215	221	273	357	1,005	658
Above Normal (25%)	1,926	2,530	2,642	449	261	239	247	238	277	419	1,110	872
Below Normal (6%)	536	574	1,472	1,235	350	243	236	267	270	1,186	1,552	2,919
Dry (13%)	642	1,172	1,284	1,095	544	291	257	329	466	1,452	1,417	2,462
Critical (25%)	1,758	1,767	1,767	1,127	769	504	435	697	1,269	1,915	1,660	2,698

No Action Alternative (LLT) minus Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-410	-264	-241	**118**	**151**	**94**	**101**	**157**	**332**	-641	-443	**346**
20%	-478	-128	-169	-87	-125	**55**	**80**	**31**	-12	-259	-416	**242**
30%	-413	-303	-395	-55	-10	**52**	**17**	-4	**46**	-377	-372	**154**
40%	-555	-532	-559	-83	**81**	**44**	**8**	**58**	**80**	**12**	-272	**119**
50%	-571	-617	-502	-107	**29**	**5**	**12**	**33**	**12**	-153	-260	**70**
60%	-1,519	-1,711	-439	**127**	**33**	-4	-4	**5**	**52**	-206	-308	-61
70%	-1,689	-1,554	-526	**110**	-3	-1	-4	-5	**47**	-182	-59	-1,183
80%	-1,358	-1,384	**146**	**16**	0	-4	-12	**0**	**18**	-10	**8**	-1,209
90%	-299	-400	**34**	-11	-7	**2**	-5	-6	**13**	**24**	**46**	-534
Long Term												
Full Simulation Period[a]	-689	-643	-234	-15	**36**	**34**	**28**	**47**	**87**	-244	-169	-151
Water Year Types[b]												
Wet (31%)	-238	-176	-38	-14	-10	-6	-8	-1	**36**	-95	**162**	-584
Above Normal (25%)	-621	-146	**222**	-9	-14	-13	-11	-13	**35**	**41**	**12**	-1,100
Below Normal (6%)	-1,719	-2,056	-944	-104	**16**	**2**	-5	**5**	-20	**170**	**85**	**280**
Dry (13%)	-1,304	-1,454	-654	**87**	**76**	**35**	**16**	**28**	**35**	-225	-316	**79**
Critical (25%)	-377	-284	-94	-82	**65**	**90**	**88**	**133**	**212**	-576	-438	**303**

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

Table C-34-2. San Joaquin River at Jersey Point, Monthly EC

Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,677	3,141	2,602	1,341	862	409	342	623	1,164	2,626	2,134	2,557
20%	2,491	2,810	2,416	1,325	756	362	283	461	740	2,114	1,997	2,475
30%	2,380	2,656	2,329	1,247	469	287	274	388	515	2,097	1,930	2,418
40%	2,255	2,630	2,113	1,183	334	265	270	298	424	1,655	1,743	2,349
50%	2,136	2,529	1,985	867	298	262	246	274	394	1,484	1,661	2,322
60%	2,056	2,372	1,705	533	270	259	241	262	292	1,017	1,467	2,233
70%	2,009	2,037	1,406	381	263	241	233	251	271	638	1,181	2,136
80%	1,618	1,649	284	318	250	239	230	243	252	448	1,066	1,994
90%	554	622	237	264	235	224	215	213	218	309	969	1,158
Long Term												
Full Simulation Period[a]	1,951	2,204	1,669	861	452	299	272	355	545	1,422	1,528	2,066
Water Year Types[b]												
Wet (31%)	1,349	1,630	597	361	240	236	223	222	237	452	843	1,242
Above Normal (25%)	2,547	2,676	2,420	459	274	252	258	251	243	378	1,098	1,972
Below Normal (6%)	2,255	2,630	2,416	1,338	334	240	241	262	290	1,017	1,467	2,639
Dry (13%)	1,947	2,625	1,938	1,009	468	256	242	301	431	1,677	1,733	2,383
Critical (25%)	2,136	2,051	1,861	1,209	704	414	346	564	1,057	2,491	2,098	2,395

Alternative 1A,1B,1C (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,118	2,368	2,161	1,122	692	498	449	849	1,594	2,036	2,187	2,696
20%	1,905	2,169	1,990	1,068	625	394	371	493	739	1,784	1,940	2,406
30%	1,769	2,017	1,922	1,018	535	348	349	350	601	1,480	1,642	2,297
40%	1,642	1,859	1,844	941	445	338	288	334	414	1,413	1,550	2,253
50%	1,597	1,561	1,537	917	406	337	277	323	382	1,036	1,471	2,209
60%	1,385	1,358	1,350	765	310	330	254	289	372	661	1,351	2,165
70%	1,295	878	1,256	504	306	282	253	262	297	553	1,227	2,013
80%	1,199	639	675	434	303	266	247	253	267	419	899	1,748
90%	820	363	283	303	265	234	214	217	232	379	851	1,515
Long Term												
Full Simulation Period[a]	1,485	1,482	1,428	785	454	345	313	407	657	1,128	1,467	2,085
Water Year Types[b]												
Wet (31%)	1,047	1,123	491	480	280	255	228	239	274	387	940	1,839
Above Normal (25%)	1,552	1,858	2,051	493	337	312	297	249	275	489	1,013	2,221
Below Normal (6%)	1,250	806	2,015	1,376	445	338	281	289	267	661	1,472	2,872
Dry (13%)	1,885	2,066	1,704	906	509	320	267	316	419	1,317	1,517	2,165
Critical (25%)	1,534	1,287	1,592	930	598	450	430	699	1,385	1,919	2,030	2,007

Alternative 1A,1B,1C (LLT) minus Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-559	-773	-441	-219	-169	**89**	**108**	**226**	**430**	-590	**53**	**139**
20%	-586	-641	-426	-257	-131	**32**	**89**	**32**	-1	-330	-58	-69
30%	-611	-639	-407	-229	**66**	**62**	**76**	-39	**87**	-616	-289	-121
40%	-613	-771	-268	-242	**111**	**73**	**18**	**37**	-10	-242	-193	-96
50%	-539	-968	-448	**49**	**108**	**75**	**31**	**49**	-12	-447	-190	-112
60%	-671	-1,014	-355	**232**	**40**	**71**	**14**	**27**	**80**	-355	-116	-68
70%	-714	-1,159	-150	**124**	**43**	**41**	**20**	**11**	**26**	-86	**46**	-123
80%	-419	-1,010	**391**	**116**	**53**	**27**	**17**	**11**	**15**	-29	-167	-246
90%	**266**	-259	**46**	**40**	**30**	**11**	-1	**4**	**14**	**69**	-119	**357**
Long Term												
Full Simulation Period[a]	-466	-722	-240	-76	**2**	**46**	**41**	**52**	**112**	-293	-61	**19**
Water Year Types[b]												
Wet (31%)	-302	-507	-106	**119**	**40**	**19**	**5**	**17**	**37**	-65	**97**	**597**
Above Normal (25%)	-995	-817	-369	**34**	**63**	**61**	**39**	-2	**32**	**111**	-85	**249**
Below Normal (6%)	-1,005	-1,824	-401	**38**	**111**	**98**	**40**	**27**	-23	-355	**5**	**233**
Dry (13%)	-62	-560	-234	-102	**41**	**64**	**25**	**15**	-12	-360	-216	-219
Critical (25%)	-601	-764	-269	-279	-106	**37**	**84**	**134**	**328**	-572	-68	-387

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-34-3. San Joaquin River at Jersey Point, Monthly EC

Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,677	3,141	2,602	1,341	862	409	342	623	1,164	2,626	2,134	2,557
20%	2,491	2,810	2,416	1,325	756	362	283	461	740	2,114	1,997	2,475
30%	2,380	2,656	2,329	1,247	469	287	274	388	515	2,097	1,930	2,418
40%	2,255	2,630	2,113	1,183	334	265	270	298	424	1,655	1,743	2,349
50%	2,136	2,529	1,985	867	298	262	246	274	394	1,484	1,661	2,322
60%	2,056	2,372	1,705	533	270	259	241	262	292	1,017	1,467	2,233
70%	2,009	2,037	1,406	381	263	241	233	251	271	638	1,181	2,136
80%	1,618	1,649	284	318	250	239	230	243	252	448	1,066	1,994
90%	554	622	237	264	235	224	215	213	218	309	969	1,158
Long Term												
Full Simulation Period[a]	1,951	2,204	1,669	861	452	299	272	355	545	1,422	1,528	2,066
Water Year Types[b]												
Wet (31%)	1,349	1,630	597	361	240	236	223	222	237	452	843	1,242
Above Normal (25%)	2,547	2,676	2,420	459	274	252	258	251	243	378	1,098	1,972
Below Normal (6%)	2,255	2,630	2,416	1,338	334	240	241	262	290	1,017	1,467	2,639
Dry (13%)	1,947	2,625	1,938	1,009	468	256	242	301	431	1,677	1,733	2,383
Critical (25%)	2,136	2,051	1,861	1,209	704	414	346	564	1,057	2,491	2,098	2,395

Alternative 2A,2B,2C (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,676	2,437	1,930	948	592	438	386	840	1,728	1,969	2,188	2,785
20%	1,449	1,530	1,690	833	444	387	373	480	747	1,728	2,049	2,587
30%	1,351	1,306	1,460	702	417	369	362	360	619	1,583	1,613	2,139
40%	1,230	1,081	1,133	633	386	354	298	335	487	1,409	1,491	2,067
50%	1,043	862	1,002	523	327	298	289	312	389	1,102	1,481	1,784
60%	382	431	895	444	293	278	270	286	381	741	1,468	1,730
70%	291	319	543	373	281	270	264	270	292	569	1,373	644
80%	271	293	289	313	270	252	255	262	279	482	969	494
90%	259	256	241	271	262	235	219	221	237	456	939	427
Long Term												
Full Simulation Period[a]	947	1,064	1,047	583	383	327	313	411	688	1,165	1,517	1,608
Water Year Types[b]												
Wet (31%)	650	851	410	328	276	257	232	232	278	411	1,008	437
Above Normal (25%)	1,518	1,905	1,568	408	338	314	303	259	268	620	1,224	644
Below Normal (6%)	382	332	1,133	947	386	306	267	292	279	639	1,468	2,819
Dry (13%)	599	1,009	787	559	403	293	287	326	440	1,323	1,518	2,349
Critical (25%)	1,346	1,088	1,540	803	471	420	411	706	1,464	1,964	2,049	2,094

Alternative 2A,2B,2C (LLT) minus Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-1,001	-704	-672	-393	-270	**29**	**44**	**217**	**564**	-658	**54**	**229**
20%	-1,042	-1,280	-726	-493	-312	**26**	**91**	**19**	**7**	-386	**52**	**113**
30%	-1,029	-1,350	-869	-545	-52	**82**	**88**	-28	**104**	-513	-317	-280
40%	-1,026	-1,549	-980	-550	**52**	**89**	**27**	**37**	**63**	-246	-252	-282
50%	-1,092	-1,667	-982	-344	**30**	**36**	**43**	**38**	-5	-382	-181	-537
60%	-1,674	-1,941	-810	-88	**23**	**19**	**30**	**24**	**89**	-276	**1**	-504
70%	-1,718	-1,718	-863	-7	**17**	**29**	**31**	**19**	**20**	-70	**192**	-1,492
80%	-1,347	-1,356	**6**	-5	**20**	**14**	**25**	**19**	**27**	**35**	-97	-1,500
90%	-296	-366	**4**	**7**	**27**	**11**	**5**	**8**	**19**	**147**	-31	-731
Long Term												
Full Simulation Period[a]	-1,004	-1,140	-622	-278	-69	**28**	**41**	**56**	**142**	-257	-12	-458
Water Year Types[b]												
Wet (31%)	-699	-779	-187	-33	**37**	**20**	**9**	**10**	**41**	-41	**164**	-805
Above Normal (25%)	-1,029	-770	-852	-51	**63**	**63**	**45**	**8**	**25**	**242**	**126**	-1,328
Below Normal (6%)	-1,873	-2,298	-1,283	-391	**52**	**66**	**27**	**30**	-11	-378	**1**	**180**
Dry (13%)	-1,347	-1,617	-1,151	-449	-65	**37**	**45**	**25**	**9**	-354	-215	-34
Critical (25%)	-789	-963	-321	-406	-233	**6**	**64**	**142**	**407**	-527	-48	-300

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-34-4. San Joaquin River at Jersey Point, Monthly EC

Existing Condition

Statistic	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,677	3,141	2,602	1,341	862	409	342	623	1,164	2,626	2,134	2,557
20%	2,491	2,810	2,416	1,325	756	362	283	461	740	2,114	1,997	2,475
30%	2,380	2,656	2,329	1,247	469	287	274	388	515	2,097	1,930	2,418
40%	2,255	2,630	2,113	1,183	334	265	270	298	424	1,655	1,743	2,349
50%	2,136	2,529	1,985	867	298	262	246	274	394	1,484	1,661	2,322
60%	2,056	2,372	1,705	533	270	259	241	262	292	1,017	1,467	2,233
70%	2,009	2,037	1,406	381	263	241	233	251	271	638	1,181	2,136
80%	1,618	1,649	284	318	250	239	230	243	252	448	1,066	1,994
90%	554	622	237	264	235	224	215	213	218	309	969	1,158
Long Term												
Full Simulation Period[a]	1,951	2,204	1,669	861	452	299	272	355	545	1,422	1,528	2,066
Water Year Types[b]												
Wet (31%)	1,349	1,630	597	361	240	236	223	222	237	452	843	1,242
Above Normal (25%)	2,547	2,676	2,420	459	274	252	258	251	243	378	1,098	1,972
Below Normal (6%)	2,255	2,630	2,416	1,338	334	240	241	262	290	1,017	1,467	2,639
Dry (13%)	1,947	2,625	1,938	1,009	468	256	242	301	431	1,677	1,733	2,383
Critical (25%)	2,136	2,051	1,861	1,209	704	414	346	564	1,057	2,491	2,098	2,395

Alternative 3 (LLT)

Statistic	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,203	2,439	2,108	1,205	619	499	448	863	1,641	1,979	2,185	2,702
20%	2,132	2,231	2,028	1,096	591	348	364	489	701	1,809	1,954	2,454
30%	1,862	2,052	1,994	981	563	337	337	352	588	1,532	1,610	2,327
40%	1,521	1,731	1,904	921	431	324	288	331	404	1,338	1,528	2,264
50%	1,438	1,449	1,747	846	358	316	272	323	390	1,130	1,468	2,230
60%	1,341	1,032	1,374	698	289	294	253	287	375	717	1,337	2,082
70%	1,248	898	1,147	431	276	268	243	261	299	554	1,209	1,948
80%	1,079	645	682	391	254	259	236	257	266	427	958	1,817
90%	792	361	258	262	246	230	214	217	232	374	845	1,682
Long Term												
Full Simulation Period[a]	1,484	1,432	1,435	764	415	332	310	416	658	1,147	1,460	2,114
Water Year Types[b]												
Wet (31%)	941	1,222	484	363	246	248	225	238	275	380	934	1,821
Above Normal (25%)	1,712	1,633	1,798	431	276	262	277	254	276	528	1,033	2,280
Below Normal (6%)	1,203	859	2,160	1,440	431	314	275	287	266	667	1,452	2,950
Dry (13%)	1,925	2,046	1,707	968	512	308	261	315	420	1,352	1,504	2,216
Critical (25%)	1,532	1,141	1,688	920	526	449	437	728	1,387	1,941	2,018	2,032

Alternative 3 (LLT) minus Existing Condition

Statistic	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-473	-702	-494	-136	-242	**90**	**107**	**240**	**477**	-647	**51**	**145**
20%	-359	-579	-388	-229	-165	-14	**81**	**28**	-39	-305	-43	-21
30%	-517	-603	-335	-265	**94**	**50**	**64**	-36	**74**	-564	-320	-91
40%	-734	-899	-209	-262	**97**	**59**	**18**	**33**	-20	-317	-215	-85
50%	-698	-1,080	-238	-21	**60**	**54**	**26**	**49**	-3	-354	-193	-92
60%	-715	-1,340	-331	**166**	**19**	**35**	**13**	**25**	**83**	-299	-130	-151
70%	-761	-1,139	-259	**50**	**12**	**27**	**10**	**10**	**28**	-85	**28**	-187
80%	-539	-1,003	**399**	**73**	**3**	**20**	**5**	**14**	**14**	-21	-108	-177
90%	**238**	-262	**21**	-1	**11**	**6**	0	**4**	**14**	**65**	-124	**524**
Long Term												
Full Simulation Period[a]	-466	-772	-234	-97	-37	**33**	**38**	**61**	**113**	-274	-68	**48**
Water Year Types[b]												
Wet (31%)	-408	-408	-113	**2**	**6**	**12**	**2**	**16**	**39**	-72	**91**	**579**
Above Normal (25%)	-835	-1,043	-622	-28	**2**	**11**	**20**	**3**	**33**	**150**	-65	**308**
Below Normal (6%)	-1,052	-1,771	-256	**102**	**97**	**73**	**35**	**25**	-24	-350	-15	**311**
Dry (13%)	-22	-579	-231	-40	**44**	**52**	**19**	**14**	-11	-326	-229	-167
Critical (25%)	-604	-910	-173	-289	-178	**35**	**91**	**164**	**330**	-550	-79	-363

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-34-5. San Joaquin River at Jersey Point, Monthly EC

Existing Condition

Statistic	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,677	3,141	2,602	1,341	862	409	342	623	1,164	2,626	2,134	2,557
20%	2,491	2,810	2,416	1,325	756	362	283	461	740	2,114	1,997	2,475
30%	2,380	2,656	2,329	1,247	469	287	274	388	515	2,097	1,930	2,418
40%	2,255	2,630	2,113	1,183	334	265	270	298	424	1,655	1,743	2,349
50%	2,136	2,529	1,985	867	298	262	246	274	394	1,484	1,661	2,322
60%	2,056	2,372	1,705	533	270	259	241	262	292	1,017	1,467	2,233
70%	2,009	2,037	1,406	381	263	241	233	251	271	638	1,181	2,136
80%	1,618	1,649	284	318	250	239	230	243	252	448	1,066	1,994
90%	554	622	237	264	235	224	215	213	218	309	969	1,158
Long Term												
Full Simulation Period[a]	1,951	2,204	1,669	861	452	299	272	355	545	1,422	1,528	2,066
Water Year Types[b]												
Wet (31%)	1,349	1,630	597	361	240	236	223	222	237	452	843	1,242
Above Normal (25%)	2,547	2,676	2,420	459	274	252	258	251	243	378	1,098	1,972
Below Normal (6%)	2,255	2,630	2,416	1,338	334	240	241	262	290	1,017	1,467	2,639
Dry (13%)	1,947	2,625	1,938	1,009	468	256	242	301	431	1,677	1,733	2,383
Critical (25%)	2,136	2,051	1,861	1,209	704	414	346	564	1,057	2,491	2,098	2,395

Alternative 4 H1 (LLT)

Statistic	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,663	2,553	1,933	1,191	584	432	391	827	1,697	1,969	2,208	2,783
20%	1,514	1,494	1,763	868	425	368	368	482	751	1,682	2,041	2,509
30%	1,392	1,340	1,678	802	413	349	356	377	626	1,541	1,649	2,461
40%	1,293	1,206	1,537	748	403	337	295	334	501	1,379	1,574	2,294
50%	1,282	1,171	1,493	598	309	303	288	314	399	1,138	1,537	2,246
60%	1,272	1,119	1,454	415	294	281	274	285	369	807	1,500	2,129
70%	1,236	938	977	362	276	270	257	264	291	597	1,412	2,025
80%	1,129	848	290	289	254	264	251	260	277	489	968	1,773
90%	765	502	233	252	252	234	220	222	235	472	925	1,687
Long Term												
Full Simulation Period[a]	1,266	1,312	1,280	641	394	322	310	408	685	1,174	1,545	2,149
Water Year Types[b]												
Wet (31%)	767	786	389	307	252	253	231	231	273	443	1,084	1,941
Above Normal (25%)	1,526	1,929	1,609	385	296	295	300	260	268	648	1,221	2,340
Below Normal (6%)	1,129	891	2,077	1,258	413	306	274	295	277	617	1,453	2,812
Dry (13%)	1,387	1,633	1,491	725	433	294	281	329	465	1,334	1,543	2,189
Critical (25%)	1,492	1,314	1,535	821	512	414	409	694	1,439	1,952	2,064	2,073

Alternative 4 H1 (LLT) minus Existing Condition

Statistic	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-1,014	-588	-670	-150	-277	**24**	**50**	**205**	**534**	-657	**74**	**226**
20%	-977	-1,316	-653	-457	-331	**7**	**85**	**21**	**10**	-432	**43**	**34**
30%	-987	-1,316	-651	-444	-57	**62**	**82**	-12	**111**	-556	-282	**43**
40%	-962	-1,424	-576	-435	**70**	**72**	**25**	**36**	**77**	-276	-169	-55
50%	-854	-1,358	-491	-269	**11**	**40**	**42**	**40**	**6**	-345	-124	-76
60%	-784	-1,253	-251	-117	**24**	**22**	**34**	**23**	**77**	-209	**33**	-104
70%	-772	-1,099	-429	-19	**13**	**29**	**25**	**13**	**19**	-41	**231**	-111
80%	-489	-801	**6**	-29	**4**	**26**	**21**	**17**	**26**	**41**	-99	-220
90%	**211**	-120	-4	-12	**17**	**10**	**5**	**9**	**17**	**163**	-44	**529**
Long Term												
Full Simulation Period[a]	-684	-892	-388	-220	-58	**24**	**39**	**53**	**140**	-248	**17**	**83**
Water Year Types[b]												
Wet (31%)	-582	-844	-208	-54	**13**	**17**	**8**	**9**	**37**	-9	**241**	**699**
Above Normal (25%)	-1,021	-746	-811	-74	**22**	**44**	**42**	**9**	**26**	**270**	**123**	**368**
Below Normal (6%)	-1,126	-1,739	-339	-80	**79**	**65**	**34**	**33**	-12	-400	-14	**173**
Dry (13%)	-559	-993	-447	-284	-34	**38**	**39**	**28**	**34**	-343	-190	-194
Critical (25%)	-643	-737	-326	-388	-193	**1**	**62**	**130**	**382**	-539	-33	-321

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-34-6. San Joaquin River at Jersey Point, Monthly EC

Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,677	3,141	2,602	1,341	862	409	342	623	1,164	2,626	2,134	2,557
20%	2,491	2,810	2,416	1,325	756	362	283	461	740	2,114	1,997	2,475
30%	2,380	2,656	2,329	1,247	469	287	274	388	515	2,097	1,930	2,418
40%	2,255	2,630	2,113	1,183	334	265	270	298	424	1,655	1,743	2,349
50%	2,136	2,529	1,985	867	298	262	246	274	394	1,484	1,661	2,322
60%	2,056	2,372	1,705	533	270	259	241	262	292	1,017	1,467	2,233
70%	2,009	2,037	1,406	381	263	241	233	251	271	638	1,181	2,136
80%	1,618	1,649	284	318	250	239	230	243	252	448	1,066	1,994
90%	554	622	237	264	235	224	215	213	218	309	969	1,158
Long Term												
Full Simulation Period[a]	1,951	2,204	1,669	861	452	299	272	355	545	1,422	1,528	2,066
Water Year Types[b]												
Wet (31%)	1,349	1,630	597	361	240	236	223	222	237	452	843	1,242
Above Normal (25%)	2,547	2,676	2,420	459	274	252	258	251	243	378	1,098	1,972
Below Normal (6%)	2,255	2,630	2,416	1,338	334	240	241	262	290	1,017	1,467	2,639
Dry (13%)	1,947	2,625	1,938	1,009	468	256	242	301	431	1,677	1,733	2,383
Critical (25%)	2,136	2,051	1,861	1,209	704	414	346	564	1,057	2,491	2,098	2,395

Alternative 4 H2 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,727	2,543	1,904	1,005	568	422	369	804	1,638	1,975	2,232	2,767
20%	1,510	1,980	1,781	903	444	362	363	464	746	1,697	2,070	2,517
30%	1,404	1,480	1,687	884	434	354	349	372	608	1,518	1,612	2,420
40%	1,349	1,103	1,612	820	372	348	316	360	483	1,476	1,534	2,235
50%	1,305	1,051	1,514	624	326	296	293	321	416	1,166	1,480	2,100
60%	1,274	982	1,369	424	290	285	270	275	296	652	1,364	2,010
70%	1,258	920	958	345	276	268	259	263	283	458	1,317	1,956
80%	1,245	862	285	289	263	263	250	258	276	417	1,081	1,859
90%	643	454	225	251	253	234	217	222	236	347	957	1,722
Long Term												
Full Simulation Period[a]	1,261	1,327	1,259	623	385	321	308	405	670	1,126	1,524	2,115
Water Year Types[b]												
Wet (31%)	838	756	399	314	255	254	229	226	252	360	1,035	1,637
Above Normal (25%)	1,550	1,930	1,603	381	311	304	298	256	266	415	1,188	2,166
Below Normal (6%)	1,670	1,980	1,524	772	372	288	270	298	281	652	1,483	2,802
Dry (13%)	1,245	1,531	1,454	772	460	299	291	341	458	1,342	1,510	2,407
Critical (25%)	1,416	1,250	1,599	819	461	405	398	681	1,414	1,946	2,069	2,106

Alternative 4 H2 (LLT) minus Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-950	-597	-698	-336	-293	**13**	**27**	**182**	**474**	-651	**98**	**210**
20%	-981	-830	-635	-422	-312	**0**	**81**	**3**	**6**	-416	**72**	**42**
30%	-975	-1,176	-642	-362	-36	**67**	**75**	-16	**93**	-579	-319	**2**
40%	-906	-1,527	-500	-363	**38**	**83**	**46**	**62**	**59**	-178	-209	-114
50%	-831	-1,478	-471	-243	**29**	**33**	**47**	**47**	**23**	-317	-181	-221
60%	-781	-1,390	-336	-109	**20**	**26**	**30**	**13**	**4**	-365	-103	-223
70%	-751	-1,117	-448	-35	**12**	**27**	**26**	**12**	**12**	-181	**136**	-180
80%	-373	-786	**1**	-29	**13**	**25**	**20**	**15**	**24**	-31	**14**	-134
90%	**88**	-168	-12	-12	**18**	**10**	**3**	**8**	**18**	**37**	-13	**564**
Long Term												
Full Simulation Period[a]	-689	-876	-410	-238	-67	**22**	**37**	**50**	**124**	-295	-4	**49**
Water Year Types[b]												
Wet (31%)	-512	-874	-198	-47	**15**	**18**	**6**	**4**	**15**	-92	**192**	**395**
Above Normal (25%)	-997	-745	-817	-78	**37**	**52**	**40**	**5**	**23**	**37**	**90**	**194**
Below Normal (6%)	-585	-650	-892	-566	**38**	**47**	**30**	**36**	-9	-365	**16**	**163**
Dry (13%)	-702	-1,095	-485	-237	-7	**43**	**50**	**39**	**28**	-335	-223	**23**
Critical (25%)	-720	-801	-262	-390	-243	-9	**51**	**117**	**357**	-545	-29	-289

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-34-7. San Joaquin River at Jersey Point, Monthly EC

Existing Condition

Statistic	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,677	3,141	2,602	1,341	862	409	342	623	1,164	2,626	2,134	2,557
20%	2,491	2,810	2,416	1,325	756	362	283	461	740	2,114	1,997	2,475
30%	2,380	2,656	2,329	1,247	469	287	274	388	515	2,097	1,930	2,418
40%	2,255	2,630	2,113	1,183	334	265	270	298	424	1,655	1,743	2,349
50%	2,136	2,529	1,985	867	298	262	246	274	394	1,484	1,661	2,322
60%	2,056	2,372	1,705	533	270	259	241	262	292	1,017	1,467	2,233
70%	2,009	2,037	1,406	381	263	241	233	251	271	638	1,181	2,136
80%	1,618	1,649	284	318	250	239	230	243	252	448	1,066	1,994
90%	554	622	237	264	235	224	215	213	218	309	969	1,158
Long Term												
Full Simulation Period[a]	1,951	2,204	1,669	861	452	299	272	355	545	1,422	1,528	2,066
Water Year Types[b]												
Wet (31%)	1,349	1,630	597	361	240	236	223	222	237	452	843	1,242
Above Normal (25%)	2,547	2,676	2,420	459	274	252	258	251	243	378	1,098	1,972
Below Normal (6%)	2,255	2,630	2,416	1,338	334	240	241	262	290	1,017	1,467	2,639
Dry (13%)	1,947	2,625	1,938	1,009	468	256	242	301	431	1,677	1,733	2,383
Critical (25%)	2,136	2,051	1,861	1,209	704	414	346	564	1,057	2,491	2,098	2,395

Alternative 4 H3 (LLT)

Statistic	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,747	2,455	1,832	791	608	435	385	838	1,705	1,987	2,187	2,700
20%	1,576	1,818	1,497	728	452	369	368	480	750	1,748	2,021	2,298
30%	1,425	1,353	1,377	688	380	353	347	362	619	1,533	1,644	2,163
40%	1,294	1,161	1,062	635	340	333	297	335	490	1,367	1,559	2,002
50%	1,107	902	915	512	304	288	289	312	402	1,094	1,537	1,863
60%	387	420	899	420	275	278	267	285	368	809	1,487	1,733
70%	290	320	541	356	267	269	257	264	292	568	1,421	677
80%	272	293	241	289	254	250	255	262	278	481	968	509
90%	262	256	232	247	253	234	219	222	235	470	946	431
Long Term												
Full Simulation Period[a]	956	1,103	987	533	370	323	309	410	684	1,171	1,539	1,590
Water Year Types[b]												
Wet (31%)	714	789	392	308	253	255	231	231	274	417	1,061	461
Above Normal (25%)	1,567	1,906	1,561	383	296	296	300	260	268	651	1,233	641
Below Normal (6%)	387	335	915	816	365	291	267	292	278	643	1,477	2,830
Dry (13%)	607	1,011	789	555	400	286	282	324	447	1,325	1,522	2,273
Critical (25%)	1,300	1,258	1,406	698	471	424	405	704	1,450	1,964	2,069	2,078

Alternative 4 H3 (LLT) minus Existing Condition

Statistic	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-930	-686	-770	-550	-253	**26**	**44**	**215**	**541**	-639	**54**	**143**
20%	-915	-992	-919	-598	-304	**7**	**86**	**19**	**9**	-366	**24**	-177
30%	-954	-1,302	-951	-559	-89	**67**	**73**	-27	**105**	-563	-286	-255
40%	-962	-1,469	-1,051	-548	**7**	**68**	**27**	**37**	**66**	-288	-184	-346
50%	-1,028	-1,627	-1,070	-356	**6**	**26**	**43**	**38**	**8**	-390	-125	-459
60%	-1,669	-1,952	-806	-113	**5**	**18**	**27**	**23**	**76**	-208	**20**	-501
70%	-1,719	-1,717	-865	-24	**4**	**27**	**24**	**13**	**20**	-70	**240**	-1,459
80%	-1,346	-1,356	-42	-29	**4**	**11**	**24**	**19**	**26**	**33**	-98	-1,484
90%	-293	-367	-5	-17	**18**	**11**	**5**	**9**	**17**	**161**	-24	-727
Long Term												
Full Simulation Period[a]	-994	-1,101	-682	-328	-82	**24**	**38**	**55**	**139**	-251	**10**	-476
Water Year Types[b]												
Wet (31%)	-635	-841	-205	-53	**13**	**18**	**8**	**9**	**37**	-35	**218**	-781
Above Normal (25%)	-980	-769	-859	-75	**21**	**45**	**43**	**9**	**25**	**273**	**135**	-1,331
Below Normal (6%)	-1,869	-2,295	-1,501	-522	**32**	**51**	**27**	**30**	-12	-374	**10**	**190**
Dry (13%)	-1,340	-1,614	-1,150	-454	-67	**30**	**41**	**23**	**16**	-352	-210	-110
Critical (25%)	-836	-793	-455	-511	-233	**10**	**59**	**139**	**393**	-527	-29	-316

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-34-8. San Joaquin River at Jersey Point, Monthly EC

Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,677	3,141	2,602	1,341	862	409	342	623	1,164	2,626	2,134	2,557
20%	2,491	2,810	2,416	1,325	756	362	283	461	740	2,114	1,997	2,475
30%	2,380	2,656	2,329	1,247	469	287	274	388	515	2,097	1,930	2,418
40%	2,255	2,630	2,113	1,183	334	265	270	298	424	1,655	1,743	2,349
50%	2,136	2,529	1,985	867	298	262	246	274	394	1,484	1,661	2,322
60%	2,056	2,372	1,705	533	270	259	241	262	292	1,017	1,467	2,233
70%	2,009	2,037	1,406	381	263	241	233	251	271	638	1,181	2,136
80%	1,618	1,649	284	318	250	239	230	243	252	448	1,066	1,994
90%	554	622	237	264	235	224	215	213	218	309	969	1,158
Long Term												
Full Simulation Period[a]	1,951	2,204	1,669	861	452	299	272	355	545	1,422	1,528	2,066
Water Year Types[b]												
Wet (31%)	1,349	1,630	597	361	240	236	223	222	237	452	843	1,242
Above Normal (25%)	2,547	2,676	2,420	459	274	252	258	251	243	378	1,098	1,972
Below Normal (6%)	2,255	2,630	2,416	1,338	334	240	241	262	290	1,017	1,467	2,639
Dry (13%)	1,947	2,625	1,938	1,009	468	256	242	301	431	1,677	1,733	2,383
Critical (25%)	2,136	2,051	1,861	1,209	704	414	346	564	1,057	2,491	2,098	2,395

Alternative 4 H4 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,738	2,245	1,873	1,153	695	459	382	813	1,653	1,963	2,227	2,739
20%	1,471	1,566	1,810	901	503	370	368	465	749	1,632	2,070	2,304
30%	1,349	1,277	1,445	728	422	358	349	370	602	1,537	1,673	2,116
40%	1,291	898	1,074	604	330	345	307	355	486	1,478	1,599	2,030
50%	1,150	746	965	512	308	288	294	323	420	1,014	1,537	1,934
60%	361	431	797	424	276	274	269	273	297	593	1,375	1,832
70%	295	319	538	349	273	266	256	263	281	449	1,300	627
80%	271	294	242	289	262	250	250	258	276	417	1,083	556
90%	259	255	224	259	254	234	217	221	236	345	958	460
Long Term												
Full Simulation Period[a]	967	1,009	1,019	614	402	327	312	406	672	1,106	1,536	1,617
Water Year Types[b]												
Wet (31%)	720	686	390	316	258	254	229	226	252	355	1,068	467
Above Normal (25%)	1,627	1,855	1,580	381	303	300	298	256	266	415	1,189	621
Below Normal (6%)	361	329	1,074	901	373	290	269	296	277	593	1,375	2,925
Dry (13%)	594	962	769	559	408	284	288	341	458	1,275	1,524	2,495
Critical (25%)	1,320	1,101	1,486	933	557	439	413	683	1,421	1,952	2,090	1,972

Alternative 4 H4 (LLT) minus Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-939	-896	-729	-188	-166	**50**	**40**	**190**	**489**	-663	**94**	**182**
20%	-1,020	-1,244	-606	-424	-253	**8**	**85**	**4**	**9**	-481	**73**	-171
30%	-1,031	-1,379	-884	-519	-47	**71**	**76**	-19	**87**	-560	-257	-303
40%	-965	-1,732	-1,039	-579	-3	**80**	**37**	**58**	**62**	-177	-144	-319
50%	-986	-1,783	-1,020	-355	**10**	**25**	**48**	**49**	**26**	-470	-125	-387
60%	-1,695	-1,941	-908	-108	**6**	**15**	**28**	**11**	**5**	-423	-91	-401
70%	-1,714	-1,718	-868	-32	**10**	**25**	**23**	**12**	**9**	-190	**119**	-1,508
80%	-1,347	-1,355	-41	-29	**11**	**11**	**20**	**16**	**24**	-31	**17**	-1,438
90%	-296	-368	-13	-4	**19**	**11**	**2**	**8**	**18**	**36**	-12	-698
Long Term												
Full Simulation Period[a]	-984	-1,195	-650	-247	-50	**28**	**41**	**51**	**126**	-315	**7**	-449
Water Year Types[b]												
Wet (31%)	-629	-943	-206	-44	**19**	**18**	**6**	**4**	**15**	-97	**225**	-775
Above Normal (25%)	-920	-820	-839	-77	**29**	**49**	**40**	**5**	**23**	**37**	**91**	-1,351
Below Normal (6%)	-1,895	-2,301	-1,342	-437	**39**	**50**	**28**	**34**	-13	-423	-91	**285**
Dry (13%)	-1,353	-1,664	-1,169	-450	-60	**28**	**46**	**39**	**27**	-402	-208	**112**
Critical (25%)	-815	-950	-375	-276	-148	**25**	**66**	**119**	**364**	-539	-8	-423

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-34-9. San Joaquin River at Jersey Point, Monthly EC

Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,677	3,141	2,602	1,341	862	409	342	623	1,164	2,626	2,134	2,557
20%	2,491	2,810	2,416	1,325	756	362	283	461	740	2,114	1,997	2,475
30%	2,380	2,656	2,329	1,247	469	287	274	388	515	2,097	1,930	2,418
40%	2,255	2,630	2,113	1,183	334	265	270	298	424	1,655	1,743	2,349
50%	2,136	2,529	1,985	867	298	262	246	274	394	1,484	1,661	2,322
60%	2,056	2,372	1,705	533	270	259	241	262	292	1,017	1,467	2,233
70%	2,009	2,037	1,406	381	263	241	233	251	271	638	1,181	2,136
80%	1,618	1,649	284	318	250	239	230	243	252	448	1,066	1,994
90%	554	622	237	264	235	224	215	213	218	309	969	1,158
Long Term												
Full Simulation Period[a]	1,951	2,204	1,669	861	452	299	272	355	545	1,422	1,528	2,066
Water Year Types[b]												
Wet (31%)	1,349	1,630	597	361	240	236	223	222	237	452	843	1,242
Above Normal (25%)	2,547	2,676	2,420	459	274	252	258	251	243	378	1,098	1,972
Below Normal (6%)	2,255	2,630	2,416	1,338	334	240	241	262	290	1,017	1,467	2,639
Dry (13%)	1,947	2,625	1,938	1,009	468	256	242	301	431	1,677	1,733	2,383
Critical (25%)	2,136	2,051	1,861	1,209	704	414	346	564	1,057	2,491	2,098	2,395

Alternative 5 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,235	2,556	1,957	1,295	687	481	424	772	1,606	1,989	2,177	2,601
20%	1,976	2,012	1,831	1,143	585	368	353	472	758	1,820	1,980	2,500
30%	1,884	1,888	1,660	1,073	463	350	308	354	646	1,773	1,794	2,058
40%	1,654	1,175	1,437	1,054	407	334	280	339	516	1,511	1,584	1,976
50%	1,273	1,028	1,188	865	364	285	268	309	425	1,099	1,528	1,766
60%	436	407	1,003	628	297	269	256	282	367	986	1,484	1,616
70%	321	343	775	396	265	259	243	266	338	738	1,411	755
80%	256	290	356	357	249	252	234	258	285	516	1,053	526
90%	252	240	258	256	242	229	219	220	235	487	958	487
Long Term												
Full Simulation Period[a]	1,173	1,201	1,189	787	446	332	300	394	683	1,247	1,558	1,575
Water Year Types[b]												
Wet (31%)	1,174	1,321	539	452	238	240	225	232	284	490	1,238	553
Above Normal (25%)	1,899	2,505	1,749	372	265	245	268	263	293	625	1,163	634
Below Normal (6%)	436	362	1,164	1,143	387	269	257	293	285	1,115	1,584	2,500
Dry (13%)	777	825	1,206	1,095	530	315	261	315	480	1,404	1,520	2,171
Critical (25%)	1,346	1,051	1,476	904	630	468	413	659	1,401	2,003	1,996	2,107

Alternative 5 (LLT) minus Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-441	-585	-645	-46	-174	**72**	**82**	**150**	**442**	-637	**43**	**44**
20%	-515	-798	-585	-183	-171	**6**	**70**	**11**	**18**	-294	-17	**25**
30%	-496	-767	-669	-173	-6	**63**	**34**	-34	**131**	-323	-137	-360
40%	-602	-1,455	-676	-129	**74**	**69**	**9**	**41**	**92**	-143	-159	-373
50%	-863	-1,501	-797	-2	**66**	**22**	**22**	**35**	**31**	-384	-133	-555
60%	-1,620	-1,965	-702	**95**	**27**	**9**	**15**	**19**	**75**	-30	**17**	-618
70%	-1,688	-1,694	-632	**16**	**2**	**18**	**10**	**15**	**66**	**99**	**230**	-1,381
80%	-1,362	-1,359	**72**	**39**	-2	**13**	**3**	**15**	**33**	**68**	-13	-1,467
90%	-302	-383	**22**	-8	**7**	**6**	**5**	**6**	**17**	**177**	-11	-671
Long Term												
Full Simulation Period[a]	-778	-1,003	-480	-74	-6	**34**	**29**	**39**	**138**	-174	**29**	-491
Water Year Types[b]												
Wet (31%)	-175	-309	-58	**92**	-2	**4**	**2**	**10**	**48**	**38**	**394**	-689
Above Normal (25%)	-648	-171	-671	-86	-9	-7	**11**	**12**	**50**	**247**	**65**	-1,338
Below Normal (6%)	-1,820	-2,268	-1,252	-196	**53**	**29**	**16**	**31**	-5	**99**	**117**	-139
Dry (13%)	-1,170	-1,800	-732	**87**	**62**	**59**	**19**	**13**	**49**	-273	-213	-212
Critical (25%)	-790	-1,000	-385	-305	-74	**54**	**67**	**95**	**345**	-488	-101	-287

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-34-10. San Joaquin River at Jersey Point, Monthly EC

Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,677	3,141	2,602	1,341	862	409	342	623	1,164	2,626	2,134	2,557
20%	2,491	2,810	2,416	1,325	756	362	283	461	740	2,114	1,997	2,475
30%	2,380	2,656	2,329	1,247	469	287	274	388	515	2,097	1,930	2,418
40%	2,255	2,630	2,113	1,183	334	265	270	298	424	1,655	1,743	2,349
50%	2,136	2,529	1,985	867	298	262	246	274	394	1,484	1,661	2,322
60%	2,056	2,372	1,705	533	270	259	241	262	292	1,017	1,467	2,233
70%	2,009	2,037	1,406	381	263	241	233	251	271	638	1,181	2,136
80%	1,618	1,649	284	318	250	239	230	243	252	448	1,066	1,994
90%	554	622	237	264	235	224	215	213	218	309	969	1,158
Long Term												
Full Simulation Period[a]	1,951	2,204	1,669	861	452	299	272	355	545	1,422	1,528	2,066
Water Year Types[b]												
Wet (31%)	1,349	1,630	597	361	240	236	223	222	237	452	843	1,242
Above Normal (25%)	2,547	2,676	2,420	459	274	252	258	251	243	378	1,098	1,972
Below Normal (6%)	2,255	2,630	2,416	1,338	334	240	241	262	290	1,017	1,467	2,639
Dry (13%)	1,947	2,625	1,938	1,009	468	256	242	301	431	1,677	1,733	2,383
Critical (25%)	2,136	2,051	1,861	1,209	704	414	346	564	1,057	2,491	2,098	2,395

Alternative 6A,6B,6C (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	786	770	509	392	443	424	426	595	1,019	1,775	1,551	1,117
20%	557	487	425	360	419	396	409	489	691	1,398	1,206	909
30%	447	403	396	345	375	385	386	428	572	1,178	1,044	707
40%	414	384	338	340	361	377	375	401	501	950	942	637
50%	374	370	322	330	349	362	368	356	417	811	682	507
60%	331	340	313	320	343	335	294	295	319	517	522	433
70%	307	320	297	315	327	312	278	281	300	371	416	349
80%	285	306	278	310	296	267	257	265	288	344	401	309
90%	268	263	232	294	268	235	222	224	241	316	343	279
Long Term												
Full Simulation Period[a]	464	439	376	357	365	346	341	386	548	900	827	624
Water Year Types[b]												
Wet (31%)	327	299	246	298	281	257	234	235	264	320	354	280
Above Normal (25%)	797	712	446	327	350	314	307	268	275	359	402	349
Below Normal (6%)	329	332	338	379	460	332	294	314	289	517	522	433
Dry (13%)	400	394	341	332	362	371	376	384	467	906	863	607
Critical (25%)	519	500	489	432	423	413	423	569	1,002	1,654	1,407	1,061

Alternative 6A,6B,6C (LLT) minus Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-1,891	-2,370	-2,093	-948	-418	15	85	-27	-145	-851	-583	-1,440
20%	-1,934	-2,323	-1,991	-965	-337	34	126	28	-49	-716	-791	-1,566
30%	-1,933	-2,252	-1,932	-902	-94	98	112	40	57	-918	-887	-1,712
40%	-1,841	-2,246	-1,775	-843	27	112	104	104	77	-705	-801	-1,712
50%	-1,762	-2,158	-1,662	-537	51	100	122	82	23	-673	-979	-1,815
60%	-1,724	-2,032	-1,392	-212	73	76	53	33	27	-499	-944	-1,800
70%	-1,702	-1,717	-1,109	-65	64	71	45	30	28	-267	-765	-1,787
80%	-1,333	-1,343	-5	-8	46	29	26	22	36	-104	-666	-1,685
90%	-287	-360	-5	30	33	12	8	11	22	7	-626	-878
Long Term												
Full Simulation Period[a]	-1,486	-1,764	-1,292	-504	-87	47	70	31	3	-521	-701	-1,442
Water Year Types[b]												
Wet (31%)	-1,022	-1,331	-351	-63	41	21	11	13	28	-132	-489	-962
Above Normal (25%)	-1,750	-1,963	-1,974	-131	75	62	49	18	33	-19	-696	-1,623
Below Normal (6%)	-1,926	-2,298	-2,078	-959	126	92	53	52	-1	-499	-944	-2,206
Dry (13%)	-1,547	-2,231	-1,598	-676	-106	115	134	83	36	-771	-870	-1,776
Critical (25%)	-1,617	-1,551	-1,372	-777	-282	-1	77	4	-54	-837	-690	-1,333

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-34-11. San Joaquin River at Jersey Point, Monthly EC

Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,677	3,141	2,602	1,341	862	409	342	623	1,164	2,626	2,134	2,557
20%	2,491	2,810	2,416	1,325	756	362	283	461	740	2,114	1,997	2,475
30%	2,380	2,656	2,329	1,247	469	287	274	388	515	2,097	1,930	2,418
40%	2,255	2,630	2,113	1,183	334	265	270	298	424	1,655	1,743	2,349
50%	2,136	2,529	1,985	867	298	262	246	274	394	1,484	1,661	2,322
60%	2,056	2,372	1,705	533	270	259	241	262	292	1,017	1,467	2,233
70%	2,009	2,037	1,406	381	263	241	233	251	271	638	1,181	2,136
80%	1,618	1,649	284	318	250	239	230	243	252	448	1,066	1,994
90%	554	622	237	264	235	224	215	213	218	309	969	1,158
Long Term												
Full Simulation Period[a]	1,951	2,204	1,669	861	452	299	272	355	545	1,422	1,528	2,066
Water Year Types[b]												
Wet (31%)	1,349	1,630	597	361	240	236	223	222	237	452	843	1,242
Above Normal (25%)	2,547	2,676	2,420	459	274	252	258	251	243	378	1,098	1,972
Below Normal (6%)	2,255	2,630	2,416	1,338	334	240	241	262	290	1,017	1,467	2,639
Dry (13%)	1,947	2,625	1,938	1,009	468	256	242	301	431	1,677	1,733	2,383
Critical (25%)	2,136	2,051	1,861	1,209	704	414	346	564	1,057	2,491	2,098	2,395

Alternative 7 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,556	975	530	395	422	417	407	507	600	1,896	2,125	2,534
20%	1,392	631	495	360	387	380	402	469	526	1,752	1,986	2,426
30%	1,308	615	440	352	361	369	381	423	472	1,683	1,863	2,337
40%	1,224	544	358	338	360	360	373	403	454	1,420	1,806	2,249
50%	1,095	465	339	325	348	357	364	356	368	1,291	1,592	2,108
60%	341	342	307	323	340	334	290	294	305	965	1,541	1,989
70%	299	319	294	311	309	302	278	283	288	582	1,247	620
80%	285	301	281	294	271	264	257	265	278	503	1,194	557
90%	270	263	229	276	258	236	223	221	233	430	1,152	532
Long Term												
Full Simulation Period[a]	930	532	399	355	353	339	337	360	414	1,175	1,621	1,661
Water Year Types[b]												
Wet (31%)	724	354	250	290	262	254	234	234	253	451	1,250	522
Above Normal (25%)	1,726	850	451	306	317	294	301	265	266	480	1,204	620
Below Normal (6%)	341	342	337	360	414	322	290	316	291	1,227	1,815	2,388
Dry (13%)	527	426	348	330	357	361	369	382	429	1,588	1,555	2,455
Critical (25%)	1,218	669	550	445	424	411	418	490	613	1,690	2,097	2,207

Alternative 7 (LLT) minus Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-1,121	-2,165	-2,072	-946	-440	8	65	-116	-563	-730	-9	-23
20%	-1,099	-2,179	-1,921	-965	-370	18	119	8	-215	-362	-11	-49
30%	-1,072	-2,041	-1,889	-895	-108	82	108	34	-43	-414	-67	-81
40%	-1,032	-2,086	-1,755	-845	26	95	103	105	30	-235	63	-100
50%	-1,041	-2,064	-1,646	-542	50	95	118	82	-25	-193	-69	-213
60%	-1,714	-2,030	-1,398	-210	70	75	49	32	13	-52	75	-244
70%	-1,710	-1,718	-1,112	-70	45	60	45	32	16	-57	66	-1,516
80%	-1,332	-1,348	-3	-25	20	25	27	22	26	55	128	-1,437
90%	-285	-359	-8	12	23	12	9	7	15	121	183	-626
Long Term												
Full Simulation Period[a]	-1,020	-1,672	-1,270	-506	-99	40	65	5	-132	-247	92	-405
Water Year Types[b]												
Wet (31%)	-625	-1,276	-347	-71	22	17	11	12	17	-1	407	-720
Above Normal (25%)	-821	-1,825	-1,969	-153	43	42	43	14	23	102	106	-1,352
Below Normal (6%)	-1,914	-2,288	-2,079	-978	80	81	49	54	1	210	348	-251
Dry (13%)	-1,420	-2,199	-1,591	-678	-110	105	128	81	-2	-89	-178	72
Critical (25%)	-918	-1,382	-1,311	-764	-280	-3	71	-74	-444	-801	0	-188

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-34-12. San Joaquin River at Jersey Point, Monthly EC

Existing Condition

Statistic	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,677	3,141	2,602	1,341	862	409	342	623	1,164	2,626	2,134	2,557
20%	2,491	2,810	2,416	1,325	756	362	283	461	740	2,114	1,997	2,475
30%	2,380	2,656	2,329	1,247	469	287	274	388	515	2,097	1,930	2,418
40%	2,255	2,630	2,113	1,183	334	265	270	298	424	1,655	1,743	2,349
50%	2,136	2,529	1,985	867	298	262	246	274	394	1,484	1,661	2,322
60%	2,056	2,372	1,705	533	270	259	241	262	292	1,017	1,467	2,233
70%	2,009	2,037	1,406	381	263	241	233	251	271	638	1,181	2,136
80%	1,618	1,649	284	318	250	239	230	243	252	448	1,066	1,994
90%	554	622	237	264	235	224	215	213	218	309	969	1,158
Long Term												
Full Simulation Period[a]	1,951	2,204	1,669	861	452	299	272	355	545	1,422	1,528	2,066
Water Year Types[b]												
Wet (31%)	1,349	1,630	597	361	240	236	223	222	237	452	843	1,242
Above Normal (25%)	2,547	2,676	2,420	459	274	252	258	251	243	378	1,098	1,972
Below Normal (6%)	2,255	2,630	2,416	1,338	334	240	241	262	290	1,017	1,467	2,639
Dry (13%)	1,947	2,625	1,938	1,009	468	256	242	301	431	1,677	1,733	2,383
Critical (25%)	2,136	2,051	1,861	1,209	704	414	346	564	1,057	2,491	2,098	2,395

Alternative 8 (LLT)

Statistic	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,615	1,047	569	409	418	405	379	428	546	1,705	2,091	2,714
20%	1,541	834	531	353	373	356	369	400	456	1,315	1,969	2,534
30%	1,447	593	433	342	357	355	362	388	433	1,263	1,853	2,309
40%	1,349	544	358	331	354	353	359	362	412	1,246	1,740	2,075
50%	1,189	504	339	322	339	344	339	316	350	964	1,593	1,969
60%	321	332	307	317	335	317	289	284	296	674	1,448	1,910
70%	300	319	293	308	303	298	272	275	285	366	1,260	586
80%	278	303	277	295	273	263	256	261	277	358	1,111	506
90%	260	263	228	275	255	236	222	219	233	336	1,033	480
Long Term												
Full Simulation Period[a]	951	560	408	356	349	331	324	332	396	945	1,561	1,654
Water Year Types[b]												
Wet (31%)	760	372	251	288	259	254	233	231	250	323	1,105	481
Above Normal (25%)	1,519	764	457	300	316	294	298	263	265	354	1,102	586
Below Normal (6%)	321	330	333	353	398	314	289	304	289	804	1,740	2,534
Dry (13%)	605	509	369	332	348	346	352	362	425	1,079	1,617	2,591
Critical (25%)	1,278	714	562	452	426	398	393	423	562	1,602	2,030	2,093

Alternative 8 (LLT) minus Existing Condition

Statistic	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-1,062	-2,094	-2,033	-932	-443	-4	38	-195	-618	-921	-43	157
20%	-950	-1,975	-1,885	-972	-383	-6	86	-61	-285	-799	-29	59
30%	-932	-2,062	-1,895	-904	-112	68	88	0	-81	-833	-77	-109
40%	-906	-2,086	-1,755	-852	20	88	88	64	-12	-409	-2	-274
50%	-946	-2,025	-1,645	-545	41	82	92	42	-44	-520	-68	-353
60%	-1,734	-2,040	-1,398	-215	65	58	49	22	4	-342	-19	-323
70%	-1,709	-1,718	-1,113	-72	39	56	39	24	14	-273	79	-1,549
80%	-1,340	-1,346	-7	-23	22	25	25	18	25	-90	45	-1,488
90%	-295	-360	-9	12	20	13	8	6	15	27	63	-678
Long Term												
Full Simulation Period[a]	-1,000	-1,644	-1,260	-505	-103	32	53	-23	-150	-476	33	-412
Water Year Types[b]												
Wet (31%)	-589	-1,258	-346	-73	19	18	10	9	14	-129	262	-761
Above Normal (25%)	-1,028	-1,912	-1,963	-159	42	42	40	12	22	-23	4	-1,386
Below Normal (6%)	-1,934	-2,300	-2,083	-985	65	73	49	42	-1	-213	274	-105
Dry (13%)	-1,342	-2,117	-1,569	-677	-119	90	110	61	-5	-598	-115	208
Critical (25%)	-858	-1,337	-1,300	-757	-279	-16	47	-141	-495	-890	-68	-301

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-34-13. San Joaquin River at Jersey Point, Monthly EC

Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,677	3,141	2,602	1,341	862	409	342	623	1,164	2,626	2,134	2,557
20%	2,491	2,810	2,416	1,325	756	362	283	461	740	2,114	1,997	2,475
30%	2,380	2,656	2,329	1,247	469	287	274	388	515	2,097	1,930	2,418
40%	2,255	2,630	2,113	1,183	334	265	270	298	424	1,655	1,743	2,349
50%	2,136	2,529	1,985	867	298	262	246	274	394	1,484	1,661	2,322
60%	2,056	2,372	1,705	533	270	259	241	262	292	1,017	1,467	2,233
70%	2,009	2,037	1,406	381	263	241	233	251	271	638	1,181	2,136
80%	1,618	1,649	284	318	250	239	230	243	252	448	1,066	1,994
90%	554	622	237	264	235	224	215	213	218	309	969	1,158
Long Term												
Full Simulation Period[a]	1,951	2,204	1,669	861	452	299	272	355	545	1,422	1,528	2,066
Water Year Types[b]												
Wet (31%)	1,349	1,630	597	361	240	236	223	222	237	452	843	1,242
Above Normal (25%)	2,547	2,676	2,420	459	274	252	258	251	243	378	1,098	1,972
Below Normal (6%)	2,255	2,630	2,416	1,338	334	240	241	262	290	1,017	1,467	2,639
Dry (13%)	1,947	2,625	1,938	1,009	468	256	242	301	431	1,677	1,733	2,383
Critical (25%)	2,136	2,051	1,861	1,209	704	414	346	564	1,057	2,491	2,098	2,395

Alternative 9 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,171	2,506	2,342	1,253	877	609	460	675	1,093	1,269	1,108	1,690
20%	1,874	1,973	1,672	796	616	450	418	509	688	1,075	944	1,590
30%	1,759	1,938	1,339	632	444	434	405	352	462	888	802	1,472
40%	1,610	1,794	991	621	406	420	380	337	409	800	777	1,362
50%	1,276	1,511	820	588	403	374	345	319	391	676	709	1,226
60%	431	463	613	448	375	348	308	309	376	543	673	1,187
70%	368	425	513	430	329	265	270	291	357	487	622	482
80%	344	362	356	356	286	239	240	264	341	425	602	428
90%	313	296	263	310	259	230	220	213	307	367	594	363
Long Term												
Full Simulation Period[a]	1,160	1,377	1,094	700	506	389	352	383	538	772	781	1,078
Water Year Types[b]												
Wet (31%)	772	890	418	360	262	240	227	242	311	392	634	367
Above Normal (25%)	1,960	2,315	1,384	402	322	288	272	252	355	413	569	475
Below Normal (6%)	379	455	695	621	400	269	274	309	329	569	789	1,697
Dry (13%)	849	1,272	1,160	715	508	402	367	332	400	770	723	1,374
Critical (25%)	1,557	1,661	1,544	1,094	795	564	489	603	947	1,261	1,028	1,526

Alternative 9 (LLT) minus Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-506	-635	-261	-88	15	200	118	53	-71	-1,357	-1,026	-866
20%	-617	-837	-744	-529	-140	88	135	48	-53	-1,038	-1,053	-885
30%	-621	-718	-990	-614	-25	147	131	-37	-53	-1,208	-1,129	-946
40%	-645	-836	-1,122	-562	72	155	110	39	-15	-855	-966	-987
50%	-860	-1,018	-1,165	-279	105	112	99	45	-2	-808	-952	-1,096
60%	-1,624	-1,910	-1,092	-84	105	88	67	47	84	-473	-794	-1,046
70%	-1,641	-1,612	-893	49	66	24	37	40	85	-152	-559	-1,654
80%	-1,274	-1,286	73	37	36	1	10	21	90	-23	-465	-1,566
90%	-241	-326	26	46	24	6	6	0	89	57	-376	-794
Long Term												
Full Simulation Period[a]	-790	-826	-575	-161	54	91	81	28	-7	-650	-747	-989
Water Year Types[b]												
Wet (31%)	-577	-740	-179	0	23	4	5	20	74	-60	-209	-875
Above Normal (25%)	-587	-360	-1,036	-57	47	36	15	1	113	36	-529	-1,497
Below Normal (6%)	-1,876	-2,175	-1,721	-717	66	28	33	47	39	-447	-678	-942
Dry (13%)	-1,098	-1,353	-778	-293	40	146	125	30	-31	-907	-1,010	-1,009
Critical (25%)	-579	-390	-317	-115	91	150	142	39	-110	-1,230	-1,069	-869

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-34-14. San Joaquin River at Jersey Point, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,267	2,876	2,362	1,459	1,013	502	442	780	1,495	1,985	1,691	2,903
20%	2,013	2,682	2,247	1,238	631	417	363	492	728	1,854	1,581	2,717
30%	1,967	2,353	1,934	1,192	460	338	291	384	561	1,720	1,559	2,572
40%	1,700	2,098	1,554	1,100	415	309	278	356	503	1,667	1,471	2,468
50%	1,565	1,912	1,483	760	327	267	258	307	406	1,331	1,401	2,391
60%	536	661	1,266	660	303	256	237	267	344	811	1,159	2,172
70%	320	483	880	490	261	240	229	246	318	457	1,122	953
80%	260	264	429	334	250	234	219	243	270	438	1,074	784
90%	255	223	271	253	228	226	209	207	231	334	1,015	624
Long Term												
Full Simulation Period[a]	1,262	1,561	1,435	846	488	333	299	402	633	1,177	1,360	1,915
Water Year Types[b]												
Wet (31%)	1,111	1,453	559	346	230	230	215	221	273	357	1,005	658
Above Normal (25%)	1,926	2,530	2,642	449	261	239	247	238	277	419	1,110	872
Below Normal (6%)	536	574	1,472	1,235	350	243	236	267	270	1,186	1,552	2,919
Dry (13%)	642	1,172	1,284	1,095	544	291	257	329	466	1,452	1,417	2,462
Critical (25%)	1,758	1,767	1,767	1,127	769	504	435	697	1,269	1,915	1,660	2,698

Alternative 1A,1B,1C (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,118	2,368	2,161	1,122	692	498	449	849	1,594	2,036	2,187	2,696
20%	1,905	2,169	1,990	1,068	625	394	371	493	739	1,784	1,940	2,406
30%	1,769	2,017	1,922	1,018	535	348	349	350	601	1,480	1,642	2,297
40%	1,642	1,859	1,844	941	445	338	288	334	414	1,413	1,550	2,253
50%	1,597	1,561	1,537	917	406	337	277	323	382	1,036	1,471	2,209
60%	1,385	1,358	1,350	765	310	330	254	289	372	661	1,351	2,165
70%	1,295	878	1,256	504	306	282	253	262	297	553	1,227	2,013
80%	1,199	639	675	434	303	266	247	253	267	419	899	1,748
90%	820	363	283	303	265	234	214	217	232	379	851	1,515
Long Term												
Full Simulation Period[a]	1,485	1,482	1,428	785	454	345	313	407	657	1,128	1,467	2,085
Water Year Types[b]												
Wet (31%)	1,047	1,123	491	480	280	255	228	239	274	387	940	1,839
Above Normal (25%)	1,552	1,858	2,051	493	337	312	297	249	275	489	1,013	2,221
Below Normal (6%)	1,250	806	2,015	1,376	445	338	281	289	267	661	1,472	2,872
Dry (13%)	1,885	2,066	1,704	906	509	320	267	316	419	1,317	1,517	2,165
Critical (25%)	1,534	1,287	1,592	930	598	450	430	699	1,385	1,919	2,030	2,007

Alternative 1A,1B,1C (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-149	-508	-201	-337	-321	-5	**7**	**69**	**99**	**50**	**495**	-207
20%	-108	-513	-257	-170	-6	-23	**8**	**1**	**11**	-70	**359**	-311
30%	-198	-336	-12	-174	**75**	**10**	**58**	-34	**40**	-240	**83**	-275
40%	-58	-239	**290**	-159	**30**	**30**	**10**	-21	-89	-253	**79**	-215
50%	**32**	-351	**54**	**156**	**79**	**70**	**19**	**16**	-24	-294	**70**	-182
60%	**849**	**697**	**84**	**105**	**7**	**75**	**18**	**22**	**28**	-150	**192**	-7
70%	**975**	**395**	**375**	**14**	**46**	**42**	**24**	**17**	-21	**96**	**104**	**1,060**
80%	**939**	**374**	**245**	**100**	**53**	**31**	**29**	**10**	-3	-19	-175	**963**
90%	**565**	**140**	**12**	**51**	**37**	**9**	**5**	**10**	**1**	**45**	-165	**891**
Long Term												
Full Simulation Period[a]	**223**	-79	-7	-61	-34	**12**	**13**	**4**	**24**	-49	**107**	**171**
Water Year Types[b]												
Wet (31%)	-63	-331	-68	**133**	**50**	**25**	**13**	**18**	**1**	**30**	-65	**1,181**
Above Normal (25%)	-374	-672	-591	**44**	**76**	**73**	**50**	**11**	-3	**70**	-97	**1,349**
Below Normal (6%)	**714**	**233**	**543**	**142**	**95**	**96**	**45**	**22**	-3	-525	-80	-47
Dry (13%)	**1,242**	**894**	**420**	-189	-34	**29**	**10**	-13	-47	-134	**101**	-298
Critical (25%)	-224	-481	-175	-197	-171	-53	-5	**1**	**116**	**3**	**370**	-691

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-34-15. San Joaquin River at Jersey Point, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,267	2,876	2,362	1,459	1,013	502	442	780	1,495	1,985	1,691	2,903
20%	2,013	2,682	2,247	1,238	631	417	363	492	728	1,854	1,581	2,717
30%	1,967	2,353	1,934	1,192	460	338	291	384	561	1,720	1,559	2,572
40%	1,700	2,098	1,554	1,100	415	309	278	356	503	1,667	1,471	2,468
50%	1,565	1,912	1,483	760	327	267	258	307	406	1,331	1,401	2,391
60%	536	661	1,266	660	303	256	237	267	344	811	1,159	2,172
70%	320	483	880	490	261	240	229	246	318	457	1,122	953
80%	260	264	429	334	250	234	219	243	270	438	1,074	784
90%	255	223	271	253	228	226	209	207	231	334	1,015	624
Long Term												
Full Simulation Period[a]	1,262	1,561	1,435	846	488	333	299	402	633	1,177	1,360	1,915
Water Year Types[b]												
Wet (31%)	1,111	1,453	559	346	230	230	215	221	273	357	1,005	658
Above Normal (25%)	1,926	2,530	2,642	449	261	239	247	238	277	419	1,110	872
Below Normal (6%)	536	574	1,472	1,235	350	243	236	267	270	1,186	1,552	2,919
Dry (13%)	642	1,172	1,284	1,095	544	291	257	329	466	1,452	1,417	2,462
Critical (25%)	1,758	1,767	1,767	1,127	769	504	435	697	1,269	1,915	1,660	2,698

Alternative 2A,2B,2C (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,676	2,437	1,930	948	592	438	386	840	1,728	1,969	2,188	2,785
20%	1,449	1,530	1,690	833	444	387	373	480	747	1,728	2,049	2,587
30%	1,351	1,306	1,460	702	417	369	362	360	619	1,583	1,613	2,139
40%	1,230	1,081	1,133	633	386	354	298	335	487	1,409	1,491	2,067
50%	1,043	862	1,002	523	327	298	289	312	389	1,102	1,481	1,784
60%	382	431	895	444	293	278	270	286	381	741	1,468	1,730
70%	291	319	543	373	281	270	264	270	292	569	1,373	644
80%	271	293	289	313	270	252	255	262	279	482	969	494
90%	259	256	241	271	262	235	219	221	237	456	939	427
Long Term												
Full Simulation Period[a]	947	1,064	1,047	583	383	327	313	411	688	1,165	1,517	1,608
Water Year Types[b]												
Wet (31%)	650	851	410	328	276	257	232	232	278	411	1,008	437
Above Normal (25%)	1,518	1,905	1,568	408	338	314	303	259	268	620	1,224	644
Below Normal (6%)	382	332	1,133	947	386	306	267	292	279	639	1,468	2,819
Dry (13%)	599	1,009	787	559	403	293	287	326	440	1,323	1,518	2,349
Critical (25%)	1,346	1,088	1,540	803	471	420	411	706	1,464	1,964	2,049	2,094

Alternative 2A,2B,2C (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-591	-439	-432	-511	-421	-65	-56	**60**	**233**	-17	**497**	-118
20%	-564	-1,152	-557	-405	-186	-29	**10**	-12	**19**	-127	**468**	-129
30%	-616	-1,047	-475	-490	-43	**30**	**71**	-24	**58**	-137	**55**	-433
40%	-471	-1,017	-421	-467	-29	**45**	**19**	-20	-16	-258	**20**	-401
50%	-522	-1,050	-480	-237	**0**	**32**	**31**	**5**	-17	-229	**80**	-607
60%	-154	-230	-371	-216	-10	**23**	**33**	**18**	**36**	-70	**309**	-442
70%	-29	-164	-337	-117	**20**	**30**	**35**	**24**	-27	**112**	**251**	-308
80%	**11**	**28**	-140	-21	**20**	**18**	**37**	**19**	**9**	**44**	-105	-290
90%	**4**	**33**	-30	**18**	**34**	**9**	**10**	**14**	**5**	**123**	-77	-197
Long Term												
Full Simulation Period[a]	-315	-497	-388	-263	-105	-6	**13**	**9**	**55**	-12	**157**	-307
Water Year Types[b]												
Wet (31%)	-461	-603	-149	-18	**46**	**26**	**17**	**10**	**5**	**54**	**3**	-221
Above Normal (25%)	-407	-625	-1,074	-41	**77**	**76**	**56**	**21**	-9	**201**	**115**	-228
Below Normal (6%)	-154	-241	-340	-287	**36**	**63**	**32**	**25**	**9**	-547	-84	-100
Dry (13%)	-43	-163	-497	-536	-141	**2**	**29**	-3	-26	-129	**101**	-113
Critical (25%)	-412	-679	-227	-324	-298	-83	-24	**9**	**195**	**49**	**389**	-604

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-34-16. San Joaquin River at Jersey Point, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,267	2,876	2,362	1,459	1,013	502	442	780	1,495	1,985	1,691	2,903
20%	2,013	2,682	2,247	1,238	631	417	363	492	728	1,854	1,581	2,717
30%	1,967	2,353	1,934	1,192	460	338	291	384	561	1,720	1,559	2,572
40%	1,700	2,098	1,554	1,100	415	309	278	356	503	1,667	1,471	2,468
50%	1,565	1,912	1,483	760	327	267	258	307	406	1,331	1,401	2,391
60%	536	661	1,266	660	303	256	237	267	344	811	1,159	2,172
70%	320	483	880	490	261	240	229	246	318	457	1,122	953
80%	260	264	429	334	250	234	219	243	270	438	1,074	784
90%	255	223	271	253	228	226	209	207	231	334	1,015	624
Long Term												
Full Simulation Period[a]	1,262	1,561	1,435	846	488	333	299	402	633	1,177	1,360	1,915
Water Year Types[b]												
Wet (31%)	1,111	1,453	559	346	230	230	215	221	273	357	1,005	658
Above Normal (25%)	1,926	2,530	2,642	449	261	239	247	238	277	419	1,110	872
Below Normal (6%)	536	574	1,472	1,235	350	243	236	267	270	1,186	1,552	2,919
Dry (13%)	642	1,172	1,284	1,095	544	291	257	329	466	1,452	1,417	2,462
Critical (25%)	1,758	1,767	1,767	1,127	769	504	435	697	1,269	1,915	1,660	2,698

Alternative 3 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,203	2,439	2,108	1,205	619	499	448	863	1,641	1,979	2,185	2,702
20%	2,132	2,231	2,028	1,096	591	348	364	489	701	1,809	1,954	2,454
30%	1,862	2,052	1,994	981	563	337	337	352	588	1,532	1,610	2,327
40%	1,521	1,731	1,904	921	431	324	288	331	404	1,338	1,528	2,264
50%	1,438	1,449	1,747	846	358	316	272	323	390	1,130	1,468	2,230
60%	1,341	1,032	1,374	698	289	294	253	287	375	717	1,337	2,082
70%	1,248	898	1,147	431	276	268	243	261	299	554	1,209	1,948
80%	1,079	645	682	391	254	259	236	257	266	427	958	1,817
90%	792	361	258	262	246	230	214	217	232	374	845	1,682
Long Term												
Full Simulation Period[a]	1,484	1,432	1,435	764	415	332	310	416	658	1,147	1,460	2,114
Water Year Types[b]												
Wet (31%)	941	1,222	484	363	246	248	225	238	275	380	934	1,821
Above Normal (25%)	1,712	1,633	1,798	431	276	262	277	254	276	528	1,033	2,280
Below Normal (6%)	1,203	859	2,160	1,440	431	314	275	287	266	667	1,452	2,950
Dry (13%)	1,925	2,046	1,707	968	512	308	261	315	420	1,352	1,504	2,216
Critical (25%)	1,532	1,141	1,688	920	526	449	437	728	1,387	1,941	2,018	2,032

Alternative 3 (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-63	-438	-253	-254	-394	-4	**6**	**83**	**146**	-7	**494**	-201
20%	**119**	-451	-219	-141	-40	-68	**1**	-4	-27	-46	**373**	-263
30%	-105	-300	**60**	-210	**104**	-1	**46**	-32	**28**	-188	**52**	-244
40%	-179	-367	**350**	-179	**16**	**16**	**10**	-25	-100	-328	**57**	-204
50%	-128	-463	**264**	**86**	**31**	**49**	**14**	**16**	-15	-201	**67**	-162
60%	**805**	**371**	**108**	**39**	-14	**38**	**17**	**20**	**31**	-94	**178**	-90
70%	**927**	**414**	**267**	-59	**15**	**28**	**14**	**15**	-19	**97**	**87**	**996**
80%	**819**	**381**	**253**	**57**	**4**	**25**	**17**	**14**	-4	-11	-116	**1,033**
90%	**537**	**138**	-13	**9**	**18**	**5**	**5**	**10**	**0**	**41**	-170	**1,058**
Long Term												
Full Simulation Period[a]	**222**	-129	0	-82	-73	-1	**11**	**13**	**26**	-30	**100**	**199**
Water Year Types[b]												
Wet (31%)	-170	-231	-75	**16**	**16**	**18**	**10**	**17**	**2**	**23**	-71	**1,163**
Above Normal (25%)	-214	-897	-844	-18	**15**	**23**	**31**	**15**	-2	**109**	-76	**1,408**
Below Normal (6%)	**667**	**286**	**687**	**205**	**81**	**71**	**39**	**20**	-4	-519	-100	**31**
Dry (13%)	**1,283**	**875**	**423**	-127	-32	**18**	**3**	-14	-46	-100	**87**	-246
Critical (25%)	-227	-626	-79	-207	-243	-55	**3**	**31**	**118**	**25**	**359**	-666

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-34-17. San Joaquin River at Jersey Point, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,267	2,876	2,362	1,459	1,013	502	442	780	1,495	1,985	1,691	2,903
20%	2,013	2,682	2,247	1,238	631	417	363	492	728	1,854	1,581	2,717
30%	1,967	2,353	1,934	1,192	460	338	291	384	561	1,720	1,559	2,572
40%	1,700	2,098	1,554	1,100	415	309	278	356	503	1,667	1,471	2,468
50%	1,565	1,912	1,483	760	327	267	258	307	406	1,331	1,401	2,391
60%	536	661	1,266	660	303	256	237	267	344	811	1,159	2,172
70%	320	483	880	490	261	240	229	246	318	457	1,122	953
80%	260	264	429	334	250	234	219	243	270	438	1,074	784
90%	255	223	271	253	228	226	209	207	231	334	1,015	624
Long Term												
Full Simulation Period[a]	1,262	1,561	1,435	846	488	333	299	402	633	1,177	1,360	1,915
Water Year Types[b]												
Wet (31%)	1,111	1,453	559	346	230	230	215	221	273	357	1,005	658
Above Normal (25%)	1,926	2,530	2,642	449	261	239	247	238	277	419	1,110	872
Below Normal (6%)	536	574	1,472	1,235	350	243	236	267	270	1,186	1,552	2,919
Dry (13%)	642	1,172	1,284	1,095	544	291	257	329	466	1,452	1,417	2,462
Critical (25%)	1,758	1,767	1,767	1,127	769	504	435	697	1,269	1,915	1,660	2,698

Alternative 4 H1 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,663	2,553	1,933	1,191	584	432	391	827	1,697	1,969	2,208	2,783
20%	1,514	1,494	1,763	868	425	368	368	482	751	1,682	2,041	2,509
30%	1,392	1,340	1,678	802	413	349	356	377	626	1,541	1,649	2,461
40%	1,293	1,206	1,537	748	403	337	295	334	501	1,379	1,574	2,294
50%	1,282	1,171	1,493	598	309	303	288	314	399	1,138	1,537	2,246
60%	1,272	1,119	1,454	415	294	281	274	285	369	807	1,500	2,129
70%	1,236	938	977	362	276	270	257	264	291	597	1,412	2,025
80%	1,129	848	290	289	254	264	251	260	277	489	968	1,773
90%	765	502	233	252	252	234	220	222	235	472	925	1,687
Long Term												
Full Simulation Period[a]	1,266	1,312	1,280	641	394	322	310	408	685	1,174	1,545	2,149
Water Year Types[b]												
Wet (31%)	767	786	389	307	252	253	231	231	273	443	1,084	1,941
Above Normal (25%)	1,526	1,929	1,609	385	296	295	300	260	268	648	1,221	2,340
Below Normal (6%)	1,129	891	2,077	1,258	413	306	274	295	277	617	1,453	2,812
Dry (13%)	1,387	1,633	1,491	725	433	294	281	329	465	1,334	1,543	2,189
Critical (25%)	1,492	1,314	1,535	821	512	414	409	694	1,439	1,952	2,064	2,073

Alternative 4 H1 (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-604	-323	-429	-267	-429	-70	-51	**47**	**202**	-16	**517**	-121
20%	-499	-1,188	-484	-370	-206	-48	**5**	-10	**23**	-173	**460**	-207
30%	-574	-1,013	-256	-389	-47	**11**	**65**	-8	**65**	-179	**90**	-111
40%	-407	-892	-17	-352	-11	**28**	**17**	-21	-2	-288	**103**	-174
50%	-283	-741	**11**	-162	-18	**36**	**31**	**7**	-6	-192	**136**	-146
60%	**736**	**458**	**189**	-245	-9	**26**	**37**	**18**	**25**	-4	**341**	-43
70%	**916**	**454**	**97**	-129	**15**	**30**	**29**	**18**	-28	**141**	**290**	**1,072**
80%	**869**	**583**	-139	-45	**4**	**30**	**33**	**17**	**7**	**51**	-106	**989**
90%	**510**	**279**	-38	-1	**24**	**9**	**10**	**15**	**4**	**139**	-90	**1,063**
Long Term												
Full Simulation Period[a]	**4**	-249	-155	-205	-94	-10	**11**	**6**	**52**	-3	**185**	**234**
Water Year Types[b]												
Wet (31%)	-344	-668	-170	-39	**22**	**23**	**16**	**10**	**1**	**86**	**79**	**1,283**
Above Normal (25%)	-400	-601	-1,033	-65	**35**	**56**	**54**	**22**	-9	**229**	**111**	**1,468**
Below Normal (6%)	**593**	**317**	**604**	**24**	**63**	**63**	**38**	**28**	**7**	-570	-99	-107
Dry (13%)	**745**	**461**	**207**	-370	-110	**4**	**24**	**0**	-1	-118	**126**	-274
Critical (25%)	-266	-454	-232	-306	-258	-89	-26	-4	**170**	**37**	**404**	-625

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-34-18. San Joaquin River at Jersey Point, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,267	2,876	2,362	1,459	1,013	502	442	780	1,495	1,985	1,691	2,903
20%	2,013	2,682	2,247	1,238	631	417	363	492	728	1,854	1,581	2,717
30%	1,967	2,353	1,934	1,192	460	338	291	384	561	1,720	1,559	2,572
40%	1,700	2,098	1,554	1,100	415	309	278	356	503	1,667	1,471	2,468
50%	1,565	1,912	1,483	760	327	267	258	307	406	1,331	1,401	2,391
60%	536	661	1,266	660	303	256	237	267	344	811	1,159	2,172
70%	320	483	880	490	261	240	229	246	318	457	1,122	953
80%	260	264	429	334	250	234	219	243	270	438	1,074	784
90%	255	223	271	253	228	226	209	207	231	334	1,015	624
Long Term												
Full Simulation Period[a]	1,262	1,561	1,435	846	488	333	299	402	633	1,177	1,360	1,915
Water Year Types[b]												
Wet (31%)	1,111	1,453	559	346	230	230	215	221	273	357	1,005	658
Above Normal (25%)	1,926	2,530	2,642	449	261	239	247	238	277	419	1,110	872
Below Normal (6%)	536	574	1,472	1,235	350	243	236	267	270	1,186	1,552	2,919
Dry (13%)	642	1,172	1,284	1,095	544	291	257	329	466	1,452	1,417	2,462
Critical (25%)	1,758	1,767	1,767	1,127	769	504	435	697	1,269	1,915	1,660	2,698

Alternative 4 H2 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,727	2,543	1,904	1,005	568	422	369	804	1,638	1,975	2,232	2,767
20%	1,510	1,980	1,781	903	444	362	363	464	746	1,697	2,070	2,517
30%	1,404	1,480	1,687	884	434	354	349	372	608	1,518	1,612	2,420
40%	1,349	1,103	1,612	820	372	348	316	360	483	1,476	1,534	2,235
50%	1,305	1,051	1,514	624	326	296	293	321	416	1,166	1,480	2,100
60%	1,274	982	1,369	424	290	285	270	275	296	652	1,364	2,010
70%	1,258	920	958	345	276	268	259	263	283	458	1,317	1,956
80%	1,245	862	285	289	263	263	250	258	276	417	1,081	1,859
90%	643	454	225	251	253	234	217	222	236	347	957	1,722
Long Term												
Full Simulation Period[a]	1,261	1,327	1,259	623	385	321	308	405	670	1,126	1,524	2,115
Water Year Types[b]												
Wet (31%)	838	756	399	314	255	254	229	226	252	360	1,035	1,637
Above Normal (25%)	1,550	1,930	1,603	381	311	304	298	256	266	415	1,188	2,166
Below Normal (6%)	1,670	1,980	1,524	772	372	288	270	298	281	652	1,483	2,802
Dry (13%)	1,245	1,531	1,454	772	460	299	291	341	458	1,342	1,510	2,407
Critical (25%)	1,416	1,250	1,599	819	461	405	398	681	1,414	1,946	2,069	2,106

Alternative 4 H2 (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-540	-333	-458	-453	-445	-81	-74	**24**	**143**	-10	**541**	-136
20%	-503	-702	-465	-335	-187	-54	**0**	-28	**18**	-157	**489**	-199
30%	-563	-873	-248	-307	-26	**16**	**58**	-12	**47**	-202	**53**	-152
40%	-351	-995	**58**	-280	-43	**40**	**38**	**5**	-20	-190	**63**	-233
50%	-260	-861	**31**	-136	-1	**29**	**35**	**14**	**11**	-164	**79**	-291
60%	**738**	**321**	**103**	-236	-14	**30**	**33**	**7**	-48	-159	**205**	-162
70%	**938**	**437**	**77**	-145	**15**	**28**	**30**	**17**	-35	**1**	**195**	**1,003**
80%	**984**	**598**	-145	-45	**13**	**29**	**32**	**15**	**6**	-21	**7**	**1,075**
90%	**388**	**231**	-45	-1	**25**	**9**	**8**	**15**	**5**	**13**	-58	**1,098**
Long Term												
Full Simulation Period[a]	-1	-233	-177	-223	-103	-12	**9**	**3**	**37**	-51	**164**	**200**
Water Year Types[b]												
Wet (31%)	-273	-697	-160	-32	**25**	**24**	**14**	**5**	-21	**3**	**30**	**979**
Above Normal (25%)	-376	-600	-1,039	-68	**50**	**65**	**51**	**18**	-12	-4	**78**	**1,294**
Below Normal (6%)	**1,134**	**1,406**	**51**	-463	**22**	**45**	**34**	**30**	**11**	-535	-69	-117
Dry (13%)	**603**	**359**	**169**	-324	-83	**8**	**34**	**11**	-7	-110	**93**	-56
Critical (25%)	-343	-518	-168	-308	-308	-99	-37	-16	**145**	**31**	**409**	-592

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-34-19. San Joaquin River at Jersey Point, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,267	2,876	2,362	1,459	1,013	502	442	780	1,495	1,985	1,691	2,903
20%	2,013	2,682	2,247	1,238	631	417	363	492	728	1,854	1,581	2,717
30%	1,967	2,353	1,934	1,192	460	338	291	384	561	1,720	1,559	2,572
40%	1,700	2,098	1,554	1,100	415	309	278	356	503	1,667	1,471	2,468
50%	1,565	1,912	1,483	760	327	267	258	307	406	1,331	1,401	2,391
60%	536	661	1,266	660	303	256	237	267	344	811	1,159	2,172
70%	320	483	880	490	261	240	229	246	318	457	1,122	953
80%	260	264	429	334	250	234	219	243	270	438	1,074	784
90%	255	223	271	253	228	226	209	207	231	334	1,015	624
Long Term												
Full Simulation Period[a]	1,262	1,561	1,435	846	488	333	299	402	633	1,177	1,360	1,915
Water Year Types[b]												
Wet (31%)	1,111	1,453	559	346	230	230	215	221	273	357	1,005	658
Above Normal (25%)	1,926	2,530	2,642	449	261	239	247	238	277	419	1,110	872
Below Normal (6%)	536	574	1,472	1,235	350	243	236	267	270	1,186	1,552	2,919
Dry (13%)	642	1,172	1,284	1,095	544	291	257	329	466	1,452	1,417	2,462
Critical (25%)	1,758	1,767	1,767	1,127	769	504	435	697	1,269	1,915	1,660	2,698

Alternative 4 H3 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,747	2,455	1,832	791	608	435	385	838	1,705	1,987	2,187	2,700
20%	1,576	1,818	1,497	728	452	369	368	480	750	1,748	2,021	2,298
30%	1,425	1,353	1,377	688	380	353	347	362	619	1,533	1,644	2,163
40%	1,294	1,161	1,062	635	340	333	297	335	490	1,367	1,559	2,002
50%	1,107	902	915	512	304	288	289	312	402	1,094	1,537	1,863
60%	387	420	899	420	275	278	267	285	368	809	1,487	1,733
70%	290	320	541	356	267	269	257	264	292	568	1,421	677
80%	272	293	241	289	254	250	255	262	278	481	968	509
90%	262	256	232	247	253	234	219	222	235	470	946	431
Long Term												
Full Simulation Period[a]	956	1,103	987	533	370	323	309	410	684	1,171	1,539	1,590
Water Year Types[b]												
Wet (31%)	714	789	392	308	253	255	231	231	274	417	1,061	461
Above Normal (25%)	1,567	1,906	1,561	383	296	296	300	260	268	651	1,233	641
Below Normal (6%)	387	335	915	816	365	291	267	292	278	643	1,477	2,830
Dry (13%)	607	1,011	789	555	400	286	282	324	447	1,325	1,522	2,273
Critical (25%)	1,300	1,258	1,406	698	471	424	405	704	1,450	1,964	2,069	2,078

Alternative 4 H3 (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-520	-422	-530	-668	-404	-67	-57	**58**	**209**	**2**	**496**	-204
20%	-438	-864	-750	-510	-179	-48	**5**	-12	**22**	-106	**440**	-419
30%	-542	-999	-557	-504	-79	**15**	**56**	-22	**58**	-187	**86**	-408
40%	-407	-937	-492	-465	-74	**25**	**19**	-21	-13	-300	**88**	-466
50%	-458	-1,010	-568	-249	-23	**21**	**31**	**5**	-4	-237	**136**	-528
60%	-149	-240	-367	-240	-28	**22**	**31**	**18**	**24**	-3	**328**	-440
70%	-30	-163	-339	-134	**6**	**29**	**28**	**18**	-27	**111**	**299**	-276
80%	**12**	**29**	-188	-45	**4**	**15**	**36**	**19**	**8**	**43**	-106	-275
90%	**7**	**33**	-38	-6	**25**	**9**	**10**	**15**	**4**	**136**	-70	-193
Long Term												
Full Simulation Period[a]	-306	-458	-448	-313	-118	-10	**10**	**8**	**52**	-6	**179**	-325
Water Year Types[b]												
Wet (31%)	-397	-664	-167	-39	**23**	**24**	**16**	**10**	**1**	**60**	**56**	-197
Above Normal (25%)	-359	-624	-1,081	-66	**35**	**57**	**54**	**22**	-10	**232**	**123**	-231
Below Normal (6%)	-149	-239	-557	-419	**15**	**48**	**32**	**25**	**8**	-544	-75	-89
Dry (13%)	-35	-160	-496	-540	-143	-5	**25**	-5	-19	-126	**106**	-189
Critical (25%)	-459	-509	-361	-429	-298	-79	-29	**6**	**181**	**48**	**409**	-620

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-34-20. San Joaquin River at Jersey Point, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,267	2,876	2,362	1,459	1,013	502	442	780	1,495	1,985	1,691	2,903
20%	2,013	2,682	2,247	1,238	631	417	363	492	728	1,854	1,581	2,717
30%	1,967	2,353	1,934	1,192	460	338	291	384	561	1,720	1,559	2,572
40%	1,700	2,098	1,554	1,100	415	309	278	356	503	1,667	1,471	2,468
50%	1,565	1,912	1,483	760	327	267	258	307	406	1,331	1,401	2,391
60%	536	661	1,266	660	303	256	237	267	344	811	1,159	2,172
70%	320	483	880	490	261	240	229	246	318	457	1,122	953
80%	260	264	429	334	250	234	219	243	270	438	1,074	784
90%	255	223	271	253	228	226	209	207	231	334	1,015	624
Long Term												
Full Simulation Period[a]	1,262	1,561	1,435	846	488	333	299	402	633	1,177	1,360	1,915
Water Year Types[b]												
Wet (31%)	1,111	1,453	559	346	230	230	215	221	273	357	1,005	658
Above Normal (25%)	1,926	2,530	2,642	449	261	239	247	238	277	419	1,110	872
Below Normal (6%)	536	574	1,472	1,235	350	243	236	267	270	1,186	1,552	2,919
Dry (13%)	642	1,172	1,284	1,095	544	291	257	329	466	1,452	1,417	2,462
Critical (25%)	1,758	1,767	1,767	1,127	769	504	435	697	1,269	1,915	1,660	2,698

Alternative 4 H4 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,738	2,245	1,873	1,153	695	459	382	813	1,653	1,963	2,227	2,739
20%	1,471	1,566	1,810	901	503	370	368	465	749	1,632	2,070	2,304
30%	1,349	1,277	1,445	728	422	358	349	370	602	1,537	1,673	2,116
40%	1,291	898	1,074	604	330	345	307	355	486	1,478	1,599	2,030
50%	1,150	746	965	512	308	288	294	323	420	1,014	1,537	1,934
60%	361	431	797	424	276	274	269	273	297	593	1,375	1,832
70%	295	319	538	349	273	266	256	263	281	449	1,300	627
80%	271	294	242	289	262	250	250	258	276	417	1,083	556
90%	259	255	224	259	254	234	217	221	236	345	958	460
Long Term												
Full Simulation Period[a]	967	1,009	1,019	614	402	327	312	406	672	1,106	1,536	1,617
Water Year Types[b]												
Wet (31%)	720	686	390	316	258	254	229	226	252	355	1,068	467
Above Normal (25%)	1,627	1,855	1,580	381	303	300	298	256	266	415	1,189	621
Below Normal (6%)	361	329	1,074	901	373	290	269	296	277	593	1,375	2,925
Dry (13%)	594	962	769	559	408	284	288	341	458	1,275	1,524	2,495
Critical (25%)	1,320	1,101	1,486	933	557	439	413	683	1,421	1,952	2,090	1,972

Alternative 4 H4 (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-529	-632	-488	-306	-318	-44	-61	**33**	**157**	-22	**536**	-164
20%	-542	-1,116	-437	-337	-128	-47	**5**	-27	**21**	-222	**489**	-413
30%	-618	-1,076	-489	-464	-38	**19**	**59**	-14	**41**	-184	**115**	-456
40%	-410	-1,201	-480	-496	-85	**36**	**29**	0	-18	-189	**128**	-438
50%	-415	-1,166	-518	-248	-19	**21**	**36**	**16**	**14**	-317	**136**	-457
60%	-176	-230	-469	-236	-27	**18**	**32**	**6**	-48	-218	**217**	-340
70%	-25	-164	-342	-142	**13**	**26**	**27**	**17**	-37	-8	**178**	-325
80%	**11**	**29**	-187	-45	**11**	**16**	**32**	**15**	**6**	-21	**9**	-228
90%	**4**	**32**	-47	**7**	**26**	**9**	**8**	**14**	**5**	**11**	-58	-164
Long Term												
Full Simulation Period[a]	-295	-552	-416	-231	-87	-5	**13**	**4**	**39**	-71	**176**	-298
Water Year Types[b]												
Wet (31%)	-391	-767	-168	-30	**28**	**24**	**14**	**5**	-21	-2	**63**	-191
Above Normal (25%)	-299	-675	-1,061	-68	**42**	**61**	**51**	**18**	-12	-4	**79**	-251
Below Normal (6%)	-176	-245	-398	-334	**23**	**48**	**33**	**28**	**7**	-593	-176	**5**
Dry (13%)	-49	-210	-515	-537	-136	-7	**31**	**12**	-8	-177	**108**	**33**
Critical (25%)	-438	-667	-281	-193	-213	-65	-22	-14	**152**	**37**	**430**	-726

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-34-21. San Joaquin River at Jersey Point, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,267	2,876	2,362	1,459	1,013	502	442	780	1,495	1,985	1,691	2,903
20%	2,013	2,682	2,247	1,238	631	417	363	492	728	1,854	1,581	2,717
30%	1,967	2,353	1,934	1,192	460	338	291	384	561	1,720	1,559	2,572
40%	1,700	2,098	1,554	1,100	415	309	278	356	503	1,667	1,471	2,468
50%	1,565	1,912	1,483	760	327	267	258	307	406	1,331	1,401	2,391
60%	536	661	1,266	660	303	256	237	267	344	811	1,159	2,172
70%	320	483	880	490	261	240	229	246	318	457	1,122	953
80%	260	264	429	334	250	234	219	243	270	438	1,074	784
90%	255	223	271	253	228	226	209	207	231	334	1,015	624
Long Term												
Full Simulation Period[a]	1,262	1,561	1,435	846	488	333	299	402	633	1,177	1,360	1,915
Water Year Types[b]												
Wet (31%)	1,111	1,453	559	346	230	230	215	221	273	357	1,005	658
Above Normal (25%)	1,926	2,530	2,642	449	261	239	247	238	277	419	1,110	872
Below Normal (6%)	536	574	1,472	1,235	350	243	236	267	270	1,186	1,552	2,919
Dry (13%)	642	1,172	1,284	1,095	544	291	257	329	466	1,452	1,417	2,462
Critical (25%)	1,758	1,767	1,767	1,127	769	504	435	697	1,269	1,915	1,660	2,698

Alternative 5 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,235	2,556	1,957	1,295	687	481	424	772	1,606	1,989	2,177	2,601
20%	1,976	2,012	1,831	1,143	585	368	353	472	758	1,820	1,980	2,500
30%	1,884	1,888	1,660	1,073	463	350	308	354	646	1,773	1,794	2,058
40%	1,654	1,175	1,437	1,054	407	334	280	339	516	1,511	1,584	1,976
50%	1,273	1,028	1,188	865	364	285	268	309	425	1,099	1,528	1,766
60%	436	407	1,003	628	297	269	256	282	367	986	1,484	1,616
70%	321	343	775	396	265	259	243	266	338	738	1,411	755
80%	256	290	356	357	249	252	234	258	285	516	1,053	526
90%	252	240	258	256	242	229	219	220	235	487	958	487
Long Term												
Full Simulation Period[a]	1,173	1,201	1,189	787	446	332	300	394	683	1,247	1,558	1,575
Water Year Types[b]												
Wet (31%)	1,174	1,321	539	452	238	240	225	232	284	490	1,238	553
Above Normal (25%)	1,899	2,505	1,749	372	265	245	268	263	293	625	1,163	634
Below Normal (6%)	436	362	1,164	1,143	387	269	257	293	285	1,115	1,584	2,500
Dry (13%)	777	825	1,206	1,095	530	315	261	315	480	1,404	1,520	2,171
Critical (25%)	1,346	1,051	1,476	904	630	468	413	659	1,401	2,003	1,996	2,107

Alternative 5 (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-32	-320	-405	-164	-326	-21	-18	-8	**110**	**3**	**485**	-302
20%	-37	-670	-415	-95	-46	-49	-10	-20	**30**	-34	**399**	-216
30%	-83	-464	-275	-118	**3**	**11**	**17**	-30	**85**	**53**	**235**	-514
40%	-47	-923	-117	-46	-7	**25**	**1**	-17	**13**	-155	**113**	-492
50%	-292	-884	-295	**105**	**36**	**18**	**10**	**2**	**19**	-231	**128**	-625
60%	-100	-254	-263	-32	-6	**13**	**19**	**14**	**23**	**175**	**325**	-557
70%	**1**	-140	-106	-94	**4**	**19**	**15**	**21**	**20**	**281**	**289**	-198
80%	-4	**26**	-74	**23**	-1	**18**	**15**	**15**	**15**	**78**	-21	-258
90%	-3	**17**	-12	**3**	**14**	**4**	**10**	**13**	**3**	**153**	-57	-137
Long Term												
Full Simulation Period[a]	-89	-360	-246	-59	-42	0	**1**	-8	**51**	**70**	**198**	-340
Water Year Types[b]												
Wet (31%)	**63**	-132	-20	**106**	**8**	**10**	**10**	**10**	**11**	**133**	**232**	-105
Above Normal (25%)	-26	-25	-893	-77	**4**	**6**	**22**	**24**	**15**	**206**	**53**	-238
Below Normal (6%)	-100	-212	-308	-92	**37**	**27**	**21**	**26**	**15**	-71	**32**	-419
Dry (13%)	**134**	-347	-78	**0**	-14	**24**	**4**	-15	**14**	-48	**104**	-292
Critical (25%)	-413	-716	-291	-223	-139	-35	-22	-38	**133**	**88**	**337**	-591

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-34-22. San Joaquin River at Jersey Point, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,267	2,876	2,362	1,459	1,013	502	442	780	1,495	1,985	1,691	2,903
20%	2,013	2,682	2,247	1,238	631	417	363	492	728	1,854	1,581	2,717
30%	1,967	2,353	1,934	1,192	460	338	291	384	561	1,720	1,559	2,572
40%	1,700	2,098	1,554	1,100	415	309	278	356	503	1,667	1,471	2,468
50%	1,565	1,912	1,483	760	327	267	258	307	406	1,331	1,401	2,391
60%	536	661	1,266	660	303	256	237	267	344	811	1,159	2,172
70%	320	483	880	490	261	240	229	246	318	457	1,122	953
80%	260	264	429	334	250	234	219	243	270	438	1,074	784
90%	255	223	271	253	228	226	209	207	231	334	1,015	624
Long Term												
Full Simulation Period[a]	1,262	1,561	1,435	846	488	333	299	402	633	1,177	1,360	1,915
Water Year Types[b]												
Wet (31%)	1,111	1,453	559	346	230	230	215	221	273	357	1,005	658
Above Normal (25%)	1,926	2,530	2,642	449	261	239	247	238	277	419	1,110	872
Below Normal (6%)	536	574	1,472	1,235	350	243	236	267	270	1,186	1,552	2,919
Dry (13%)	642	1,172	1,284	1,095	544	291	257	329	466	1,452	1,417	2,462
Critical (25%)	1,758	1,767	1,767	1,127	769	504	435	697	1,269	1,915	1,660	2,698

Alternative 6A,6B,6C (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	786	770	509	392	443	424	426	595	1,019	1,775	1,551	1,117
20%	557	487	425	360	419	396	409	489	691	1,398	1,206	909
30%	447	403	396	345	375	385	386	428	572	1,178	1,044	707
40%	414	384	338	340	361	377	375	401	501	950	942	637
50%	374	370	322	330	349	362	368	356	417	811	682	507
60%	331	340	313	320	343	335	294	295	319	517	522	433
70%	307	320	297	315	327	312	278	281	300	371	416	349
80%	285	306	278	310	296	267	257	265	288	344	401	309
90%	268	263	232	294	268	235	222	224	241	316	343	279
Long Term												
Full Simulation Period[a]	464	439	376	357	365	346	341	386	548	900	827	624
Water Year Types[b]												
Wet (31%)	327	299	246	298	281	257	234	235	264	320	354	280
Above Normal (25%)	797	712	446	327	350	314	307	268	275	359	402	349
Below Normal (6%)	329	332	338	379	460	332	294	314	289	517	522	433
Dry (13%)	400	394	341	332	362	371	376	384	467	906	863	607
Critical (25%)	519	500	489	432	423	413	423	569	1,002	1,654	1,407	1,061

Alternative 6A,6B,6C (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-1,481	-2,106	-1,852	-1,066	-570	-79	-16	-184	-476	-210	-141	-1,786
20%	-1,456	-2,195	-1,822	-878	-212	-20	46	-3	-37	-457	-375	-1,807
30%	-1,520	-1,949	-1,538	-847	-85	47	95	44	11	-542	-515	-1,865
40%	-1,286	-1,715	-1,216	-760	-54	68	96	46	-3	-717	-529	-1,831
50%	-1,191	-1,542	-1,160	-430	22	95	110	49	11	-520	-718	-1,885
60%	-205	-320	-953	-340	39	80	57	28	-26	-294	-636	-1,739
70%	-13	-163	-583	-175	66	72	49	35	-18	-85	-706	-604
80%	25	41	-151	-24	46	33	38	22	18	-94	-674	-475
90%	13	40	-38	41	40	10	13	17	9	-17	-672	-344
Long Term												
Full Simulation Period[a]	-798	-1,121	-1,059	-489	-123	13	42	-16	-84	-277	-533	-1,291
Water Year Types[b]												
Wet (31%)	-784	-1,154	-313	-48	51	27	19	14	-8	-37	-651	-378
Above Normal (25%)	-1,129	-1,818	-2,196	-122	89	75	60	30	-2	-60	-708	-523
Below Normal (6%)	-207	-242	-1,134	-855	110	89	58	47	19	-669	-1,029	-2,486
Dry (13%)	-242	-778	-944	-763	-182	80	119	55	1	-546	-553	-1,856
Critical (25%)	-1,240	-1,268	-1,278	-695	-347	-91	-11	-129	-267	-262	-252	-1,637

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-34-23. San Joaquin River at Jersey Point, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,267	2,876	2,362	1,459	1,013	502	442	780	1,495	1,985	1,691	2,903
20%	2,013	2,682	2,247	1,238	631	417	363	492	728	1,854	1,581	2,717
30%	1,967	2,353	1,934	1,192	460	338	291	384	561	1,720	1,559	2,572
40%	1,700	2,098	1,554	1,100	415	309	278	356	503	1,667	1,471	2,468
50%	1,565	1,912	1,483	760	327	267	258	307	406	1,331	1,401	2,391
60%	536	661	1,266	660	303	256	237	267	344	811	1,159	2,172
70%	320	483	880	490	261	240	229	246	318	457	1,122	953
80%	260	264	429	334	250	234	219	243	270	438	1,074	784
90%	255	223	271	253	228	226	209	207	231	334	1,015	624
Long Term												
Full Simulation Period[a]	1,262	1,561	1,435	846	488	333	299	402	633	1,177	1,360	1,915
Water Year Types[b]												
Wet (31%)	1,111	1,453	559	346	230	230	215	221	273	357	1,005	658
Above Normal (25%)	1,926	2,530	2,642	449	261	239	247	238	277	419	1,110	872
Below Normal (6%)	536	574	1,472	1,235	350	243	236	267	270	1,186	1,552	2,919
Dry (13%)	642	1,172	1,284	1,095	544	291	257	329	466	1,452	1,417	2,462
Critical (25%)	1,758	1,767	1,767	1,127	769	504	435	697	1,269	1,915	1,660	2,698

Alternative 7 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,556	975	530	395	422	417	407	507	600	1,896	2,125	2,534
20%	1,392	631	495	360	387	380	402	469	526	1,752	1,986	2,426
30%	1,308	615	440	352	361	369	381	423	472	1,683	1,863	2,337
40%	1,224	544	358	338	360	360	373	403	454	1,420	1,806	2,249
50%	1,095	465	339	325	348	357	364	356	368	1,291	1,592	2,108
60%	341	342	307	323	340	334	290	294	305	965	1,541	1,989
70%	299	319	294	311	309	302	278	283	288	582	1,247	620
80%	285	301	281	294	271	264	257	265	278	503	1,194	557
90%	270	263	229	276	258	236	223	221	233	430	1,152	532
Long Term												
Full Simulation Period[a]	930	532	399	355	353	339	337	360	414	1,175	1,621	1,661
Water Year Types[b]												
Wet (31%)	724	354	250	290	262	254	234	234	253	451	1,250	522
Above Normal (25%)	1,726	850	451	306	317	294	301	265	266	480	1,204	620
Below Normal (6%)	341	342	337	360	414	322	290	316	291	1,227	1,815	2,388
Dry (13%)	527	426	348	330	357	361	369	382	429	1,588	1,555	2,455
Critical (25%)	1,218	669	550	445	424	411	418	490	613	1,690	2,097	2,207

Alternative 7 (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-711	-1,901	-1,831	-1,063	-591	-86	-35	-273	-895	-89	**434**	-369
20%	-621	-2,051	-1,752	-878	-244	-36	**39**	-24	-202	-102	**405**	-291
30%	-659	-1,738	-1,494	-840	-98	**31**	**91**	**39**	-89	-37	**305**	-235
40%	-477	-1,554	-1,196	-762	-55	**51**	**95**	**47**	-49	-247	**335**	-219
50%	-470	-1,447	-1,144	-435	**21**	**90**	**106**	**49**	-37	-40	**191**	-283
60%	-195	-319	-959	-337	**37**	**79**	**53**	**27**	-40	**154**	**383**	-183
70%	-21	-164	-586	-179	**48**	**61**	**49**	**37**	-31	**125**	**125**	-333
80%	**25**	**37**	-149	-41	**21**	**30**	**38**	**22**	**8**	**65**	**120**	-227
90%	**15**	**40**	-42	**23**	**30**	**11**	**14**	**14**	**2**	**96**	**137**	-92
Long Term												
Full Simulation Period[a]	-332	-1,029	-1,036	-491	-136	**6**	**38**	-42	-219	-3	**261**	-254
Water Year Types[b]												
Wet (31%)	-387	-1,100	-309	-57	**32**	**23**	**19**	**13**	-20	**94**	**245**	-137
Above Normal (25%)	-200	-1,680	-2,191	-143	**56**	**55**	**54**	**27**	-12	**61**	**94**	-252
Below Normal (6%)	-195	-231	-1,136	-874	**64**	**79**	**54**	**48**	**21**	**40**	**264**	-531
Dry (13%)	-116	-746	-937	-765	-186	**70**	**112**	**53**	-36	**136**	**138**	-7
Critical (25%)	-541	-1,099	-1,217	-682	-345	-93	-17	-207	-656	-225	**437**	-491

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-34-24. San Joaquin River at Jersey Point, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,267	2,876	2,362	1,459	1,013	502	442	780	1,495	1,985	1,691	2,903
20%	2,013	2,682	2,247	1,238	631	417	363	492	728	1,854	1,581	2,717
30%	1,967	2,353	1,934	1,192	460	338	291	384	561	1,720	1,559	2,572
40%	1,700	2,098	1,554	1,100	415	309	278	356	503	1,667	1,471	2,468
50%	1,565	1,912	1,483	760	327	267	258	307	406	1,331	1,401	2,391
60%	536	661	1,266	660	303	256	237	267	344	811	1,159	2,172
70%	320	483	880	490	261	240	229	246	318	457	1,122	953
80%	260	264	429	334	250	234	219	243	270	438	1,074	784
90%	255	223	271	253	228	226	209	207	231	334	1,015	624
Long Term												
Full Simulation Period[a]	1,262	1,561	1,435	846	488	333	299	402	633	1,177	1,360	1,915
Water Year Types[b]												
Wet (31%)	1,111	1,453	559	346	230	230	215	221	273	357	1,005	658
Above Normal (25%)	1,926	2,530	2,642	449	261	239	247	238	277	419	1,110	872
Below Normal (6%)	536	574	1,472	1,235	350	243	236	267	270	1,186	1,552	2,919
Dry (13%)	642	1,172	1,284	1,095	544	291	257	329	466	1,452	1,417	2,462
Critical (25%)	1,758	1,767	1,767	1,127	769	504	435	697	1,269	1,915	1,660	2,698

Alternative 8 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,615	1,047	569	409	418	405	379	428	546	1,705	2,091	2,714
20%	1,541	834	531	353	373	356	369	400	456	1,315	1,969	2,534
30%	1,447	593	433	342	357	355	362	388	433	1,263	1,853	2,309
40%	1,349	544	358	331	354	353	359	362	412	1,246	1,740	2,075
50%	1,189	504	339	322	339	344	339	316	350	964	1,593	1,969
60%	321	332	307	317	335	317	289	284	296	674	1,448	1,910
70%	300	319	293	308	303	298	272	275	285	366	1,260	586
80%	278	303	277	295	273	263	256	261	277	358	1,111	506
90%	260	263	228	275	255	236	222	219	233	336	1,033	480
Long Term												
Full Simulation Period[a]	951	560	408	356	349	331	324	332	396	945	1,561	1,654
Water Year Types[b]												
Wet (31%)	760	372	251	288	259	254	233	231	250	323	1,105	481
Above Normal (25%)	1,519	764	457	300	316	294	298	263	265	354	1,102	586
Below Normal (6%)	321	330	333	353	398	314	289	304	289	804	1,740	2,534
Dry (13%)	605	509	369	332	348	346	352	362	425	1,079	1,617	2,591
Critical (25%)	1,278	714	562	452	426	398	393	423	562	1,602	2,030	2,093

Alternative 8 (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-652	-1,830	-1,792	-1,050	-594	-98	-63	-352	-950	-280	**400**	-189
20%	-472	-1,848	-1,716	-885	-258	-61	**6**	-93	-272	-539	**388**	-182
30%	-520	-1,759	-1,501	-849	-103	**16**	**71**	**4**	-128	-457	**295**	-262
40%	-351	-1,554	-1,196	-769	-61	**44**	**80**	**6**	-92	-421	**269**	-393
50%	-376	-1,408	-1,143	-438	**12**	**77**	**81**	**9**	-56	-366	**193**	-423
60%	-215	-329	-959	-343	**32**	**62**	**52**	**17**	-48	-137	**289**	-262
70%	-20	-165	-587	-182	**42**	**58**	**43**	**29**	-33	-91	**138**	-366
80%	**18**	**39**	-152	-39	**23**	**29**	**37**	**18**	**7**	-80	**37**	-278
90%	**5**	**40**	-43	**23**	**27**	**11**	**13**	**12**	**2**	**2**	**17**	-144
Long Term												
Full Simulation Period[a]	-311	-1,001	-1,027	-490	-139	-2	**25**	-70	-237	-232	**202**	-261
Water Year Types[b]												
Wet (31%)	-351	-1,081	-308	-58	**29**	**23**	**18**	**9**	-22	-34	**100**	-177
Above Normal (25%)	-407	-1,766	-2,185	-149	**56**	**55**	**51**	**24**	-12	-65	-8	-286
Below Normal (6%)	-215	-243	-1,139	-882	**49**	**71**	**54**	**37**	**19**	-382	**189**	-385
Dry (13%)	-37	-663	-915	-763	-195	**55**	**94**	**33**	-40	-373	**201**	**129**
Critical (25%)	-481	-1,053	-1,205	-675	-344	-106	-42	-275	-707	-314	**370**	-605

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-34-25. San Joaquin River at Jersey Point, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,267	2,876	2,362	1,459	1,013	502	442	780	1,495	1,985	1,691	2,903
20%	2,013	2,682	2,247	1,238	631	417	363	492	728	1,854	1,581	2,717
30%	1,967	2,353	1,934	1,192	460	338	291	384	561	1,720	1,559	2,572
40%	1,700	2,098	1,554	1,100	415	309	278	356	503	1,667	1,471	2,468
50%	1,565	1,912	1,483	760	327	267	258	307	406	1,331	1,401	2,391
60%	536	661	1,266	660	303	256	237	267	344	811	1,159	2,172
70%	320	483	880	490	261	240	229	246	318	457	1,122	953
80%	260	264	429	334	250	234	219	243	270	438	1,074	784
90%	255	223	271	253	228	226	209	207	231	334	1,015	624
Long Term												
Full Simulation Period[a]	1,262	1,561	1,435	846	488	333	299	402	633	1,177	1,360	1,915
Water Year Types[b]												
Wet (31%)	1,111	1,453	559	346	230	230	215	221	273	357	1,005	658
Above Normal (25%)	1,926	2,530	2,642	449	261	239	247	238	277	419	1,110	872
Below Normal (6%)	536	574	1,472	1,235	350	243	236	267	270	1,186	1,552	2,919
Dry (13%)	642	1,172	1,284	1,095	544	291	257	329	466	1,452	1,417	2,462
Critical (25%)	1,758	1,767	1,767	1,127	769	504	435	697	1,269	1,915	1,660	2,698

Alternative 9 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,171	2,506	2,342	1,253	877	609	460	675	1,093	1,269	1,108	1,690
20%	1,874	1,973	1,672	796	616	450	418	509	688	1,075	944	1,590
30%	1,759	1,938	1,339	632	444	434	405	352	462	888	802	1,472
40%	1,610	1,794	991	621	406	420	380	337	409	800	777	1,362
50%	1,276	1,511	820	588	403	374	345	319	391	676	709	1,226
60%	431	463	613	448	375	348	308	309	376	543	673	1,187
70%	368	425	513	430	329	265	270	291	357	487	622	482
80%	344	362	356	356	286	239	240	264	341	425	602	428
90%	313	296	263	310	259	230	220	213	307	367	594	363
Long Term												
Full Simulation Period[a]	1,160	1,377	1,094	700	506	389	352	383	538	772	781	1,078
Water Year Types[b]												
Wet (31%)	772	890	418	360	262	240	227	242	311	392	634	367
Above Normal (25%)	1,960	2,315	1,384	402	322	288	272	252	355	413	569	475
Below Normal (6%)	379	455	695	621	400	269	274	309	329	569	789	1,697
Dry (13%)	849	1,272	1,160	715	508	402	367	332	400	770	723	1,374
Critical (25%)	1,557	1,661	1,544	1,094	795	564	489	603	947	1,261	1,028	1,526

Alternative 9 (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-96	-370	-20	-206	-136	**106**	**18**	-105	-403	-716	-584	-1,213
20%	-140	-709	-575	-442	-15	**33**	**55**	**17**	-40	-779	-637	-1,127
30%	-208	-415	-595	-559	-16	**95**	**114**	-32	-99	-832	-757	-1,100
40%	-90	-304	-563	-479	-9	**111**	**102**	-19	-94	-867	-694	-1,106
50%	-289	-401	-663	-172	**76**	**107**	**87**	**11**	-14	-655	-692	-1,165
60%	-105	-198	-653	-212	**72**	**92**	**71**	**42**	**32**	-268	-485	-985
70%	**48**	-58	-368	-60	**69**	**25**	**41**	**45**	**39**	**30**	-500	-471
80%	**84**	**98**	-73	**21**	**36**	**5**	**22**	**21**	**72**	-13	-472	-356
90%	**58**	**74**	-8	**57**	**31**	**4**	**11**	**6**	**75**	**33**	-422	-260
Long Term												
Full Simulation Period[a]	-102	-183	-342	-146	**18**	**57**	**53**	-19	-94	-405	-579	-837
Water Year Types[b]												
Wet (31%)	-339	-564	-141	**14**	**33**	**10**	**13**	**20**	**38**	**35**	-371	-292
Above Normal (25%)	**34**	-215	-1,258	-47	**61**	**49**	**26**	**14**	**78**	-6	-541	-397
Below Normal (6%)	-157	-119	-777	-614	**50**	**26**	**38**	**42**	**59**	-617	-763	-1,222
Dry (13%)	**206**	**100**	-124	-380	-36	**111**	**110**	**3**	-66	-681	-694	-1,088
Critical (25%)	-202	-106	-223	-33	**26**	**60**	**54**	-94	-322	-654	-632	-1,172

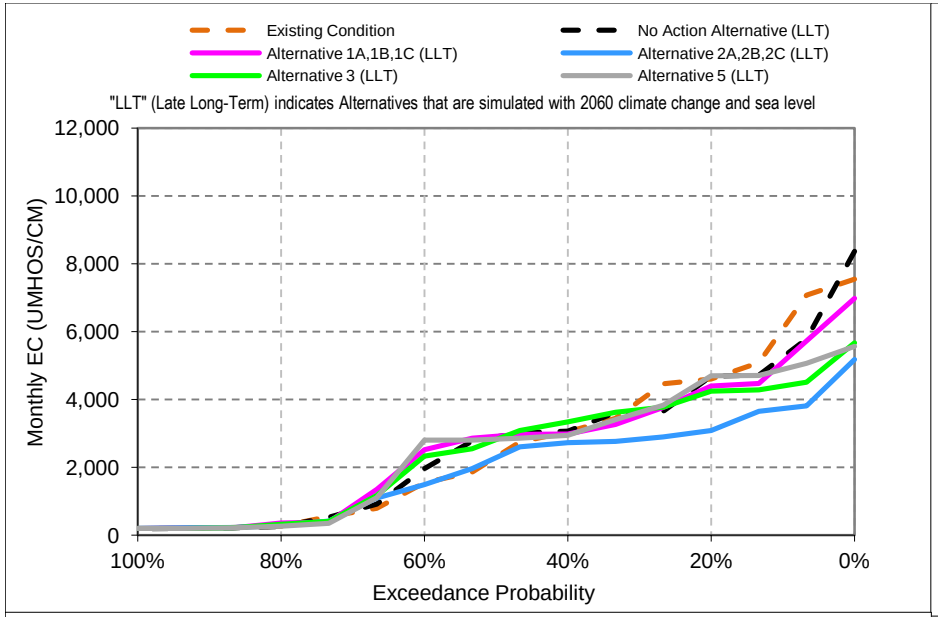
a Based on the 16-year simulation period

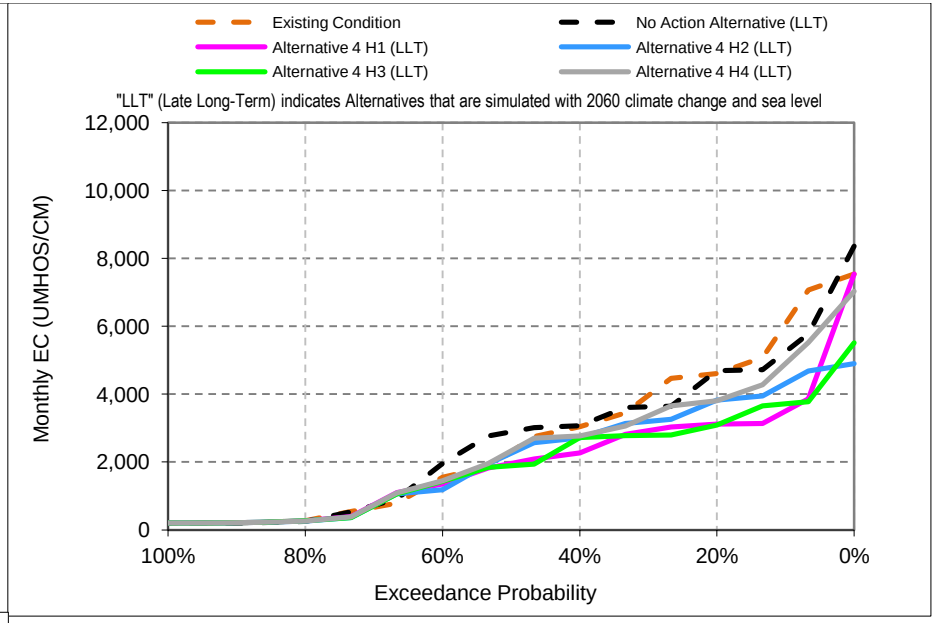
b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

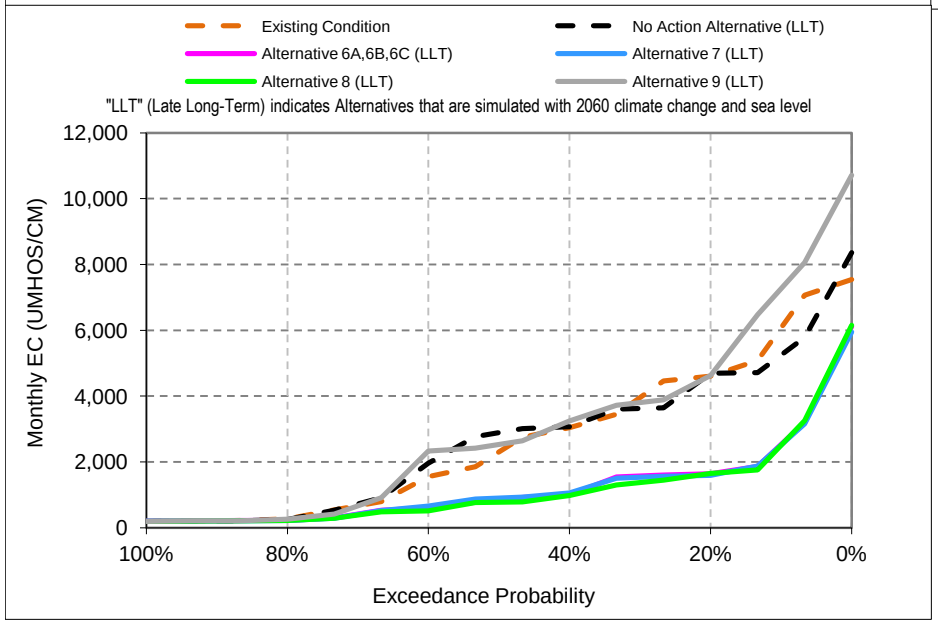
Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

C.35. Sacramento River at Collinsville Salinity



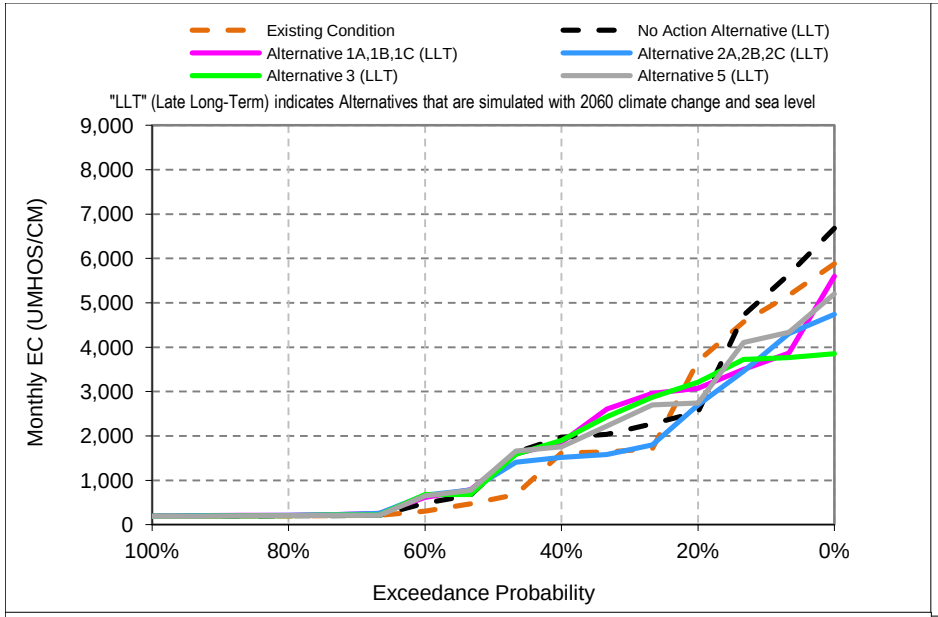


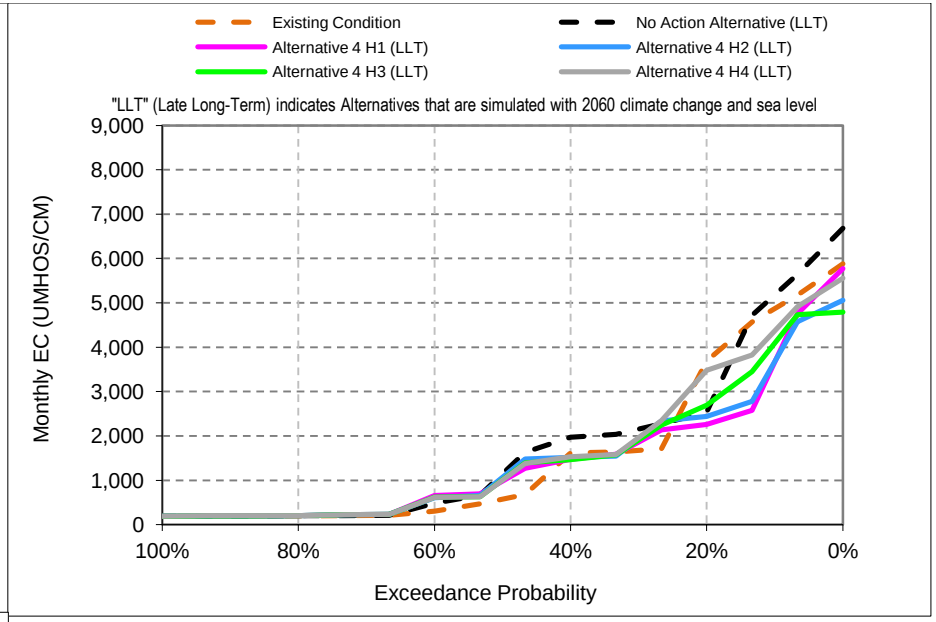


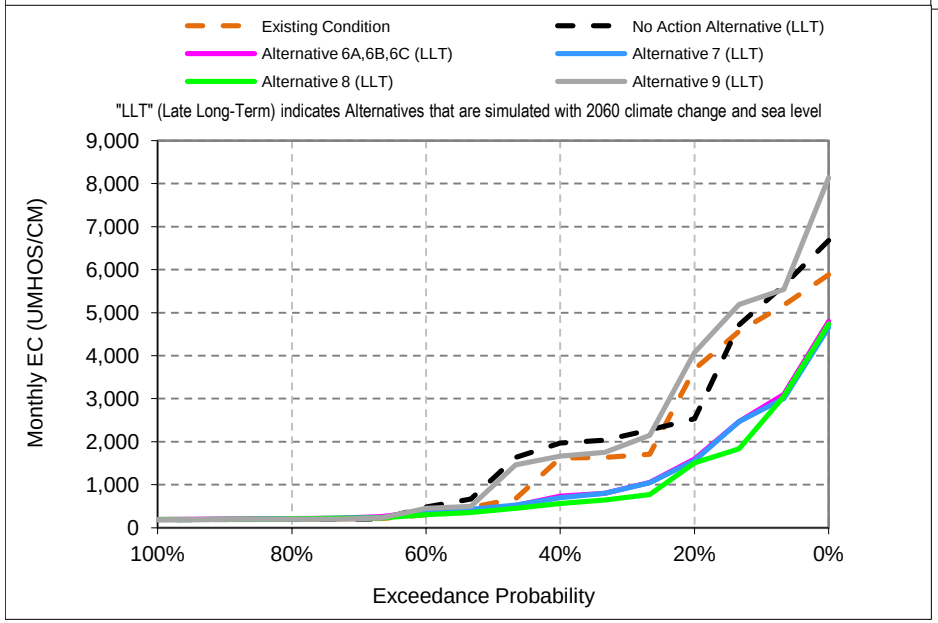
Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-35-1. Sacramento River at Collinsville, January EC



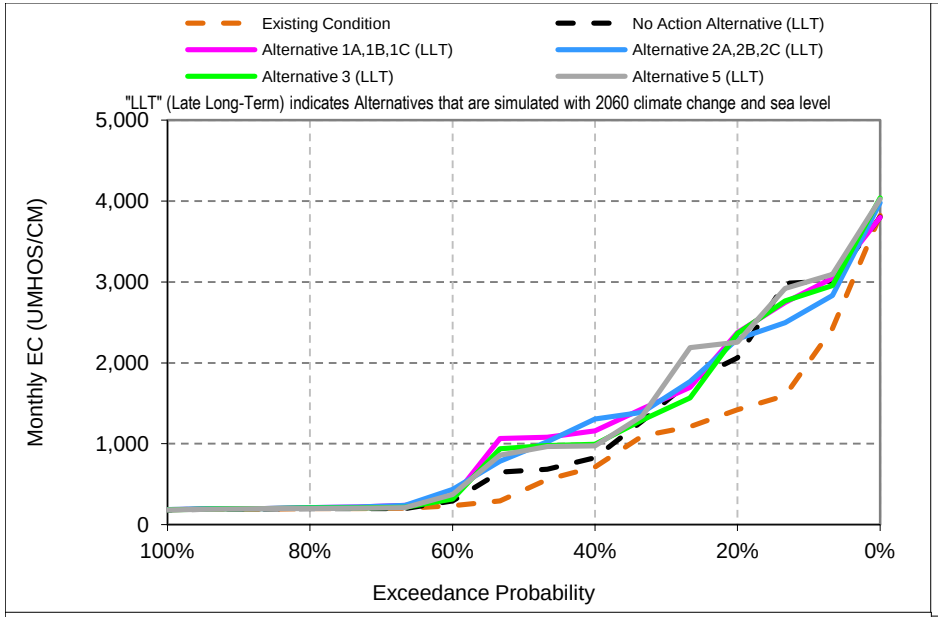


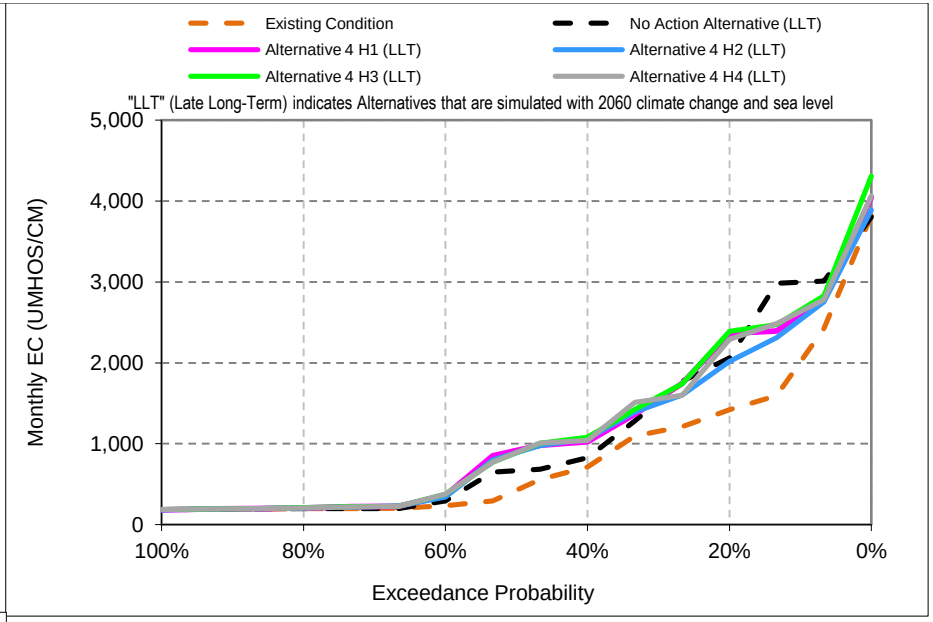


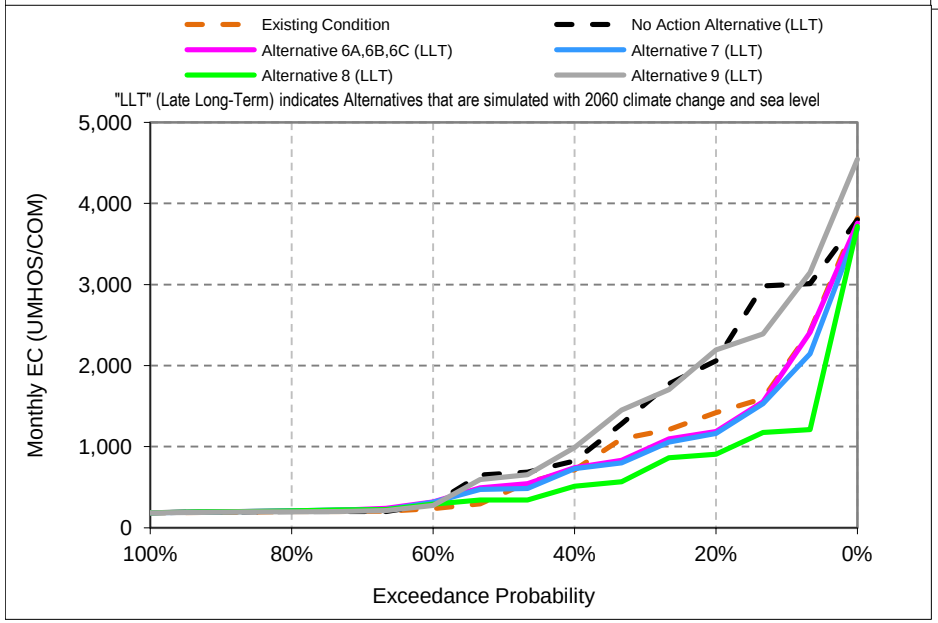
Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-35-2. Sacramento River at Collinsville, February EC



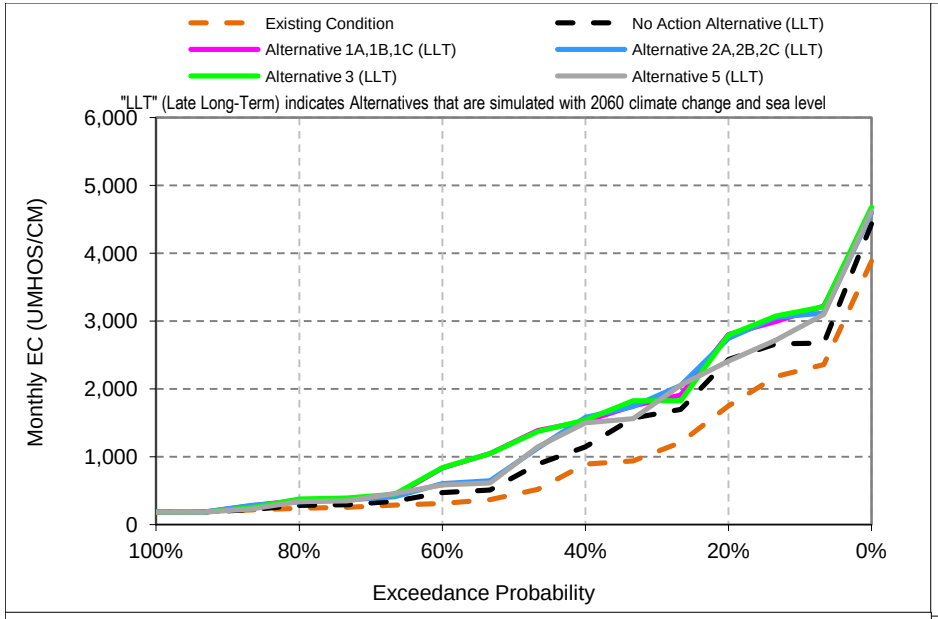


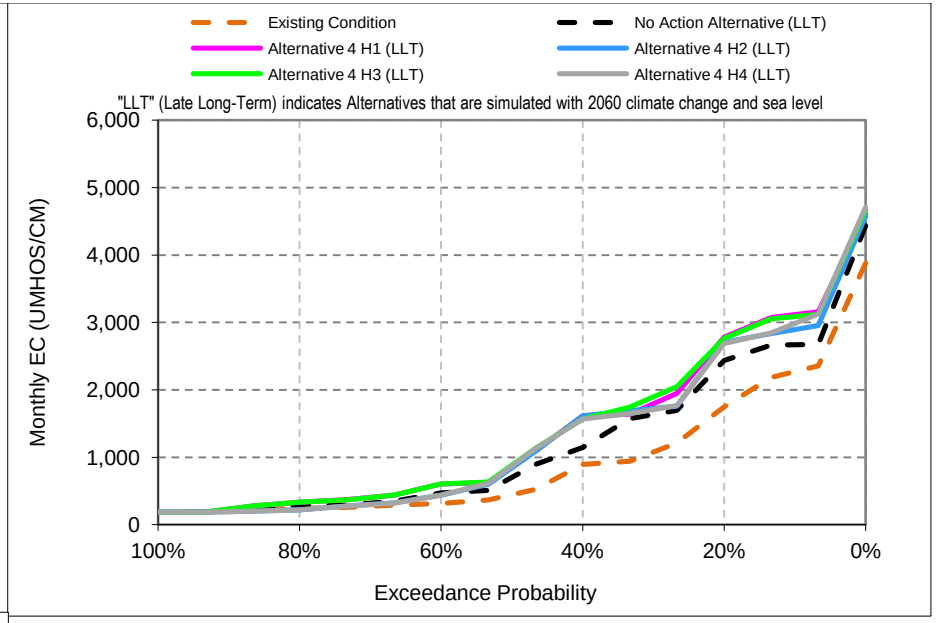


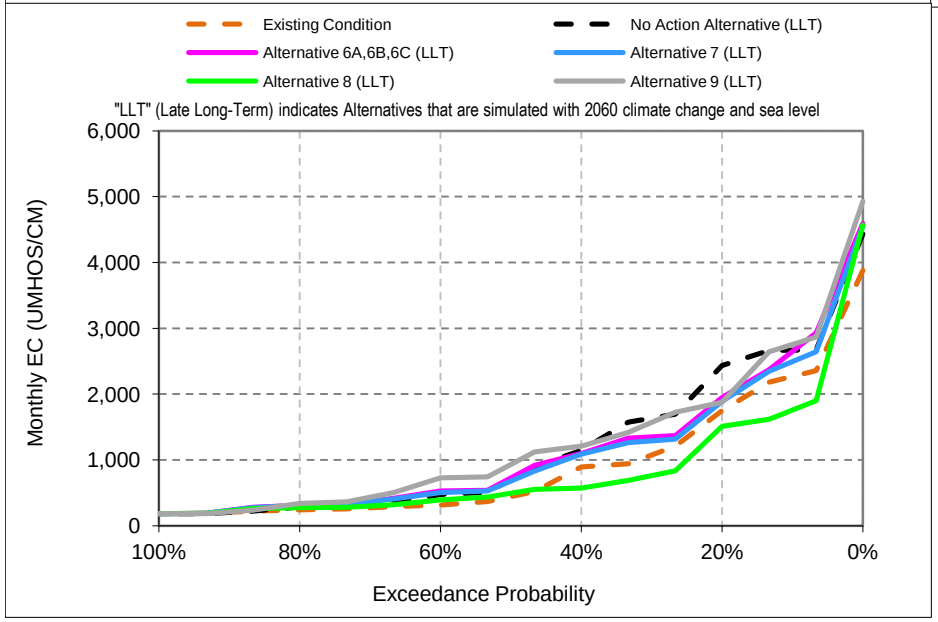
Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-35-3. Sacramento River at Collinsville, March EC



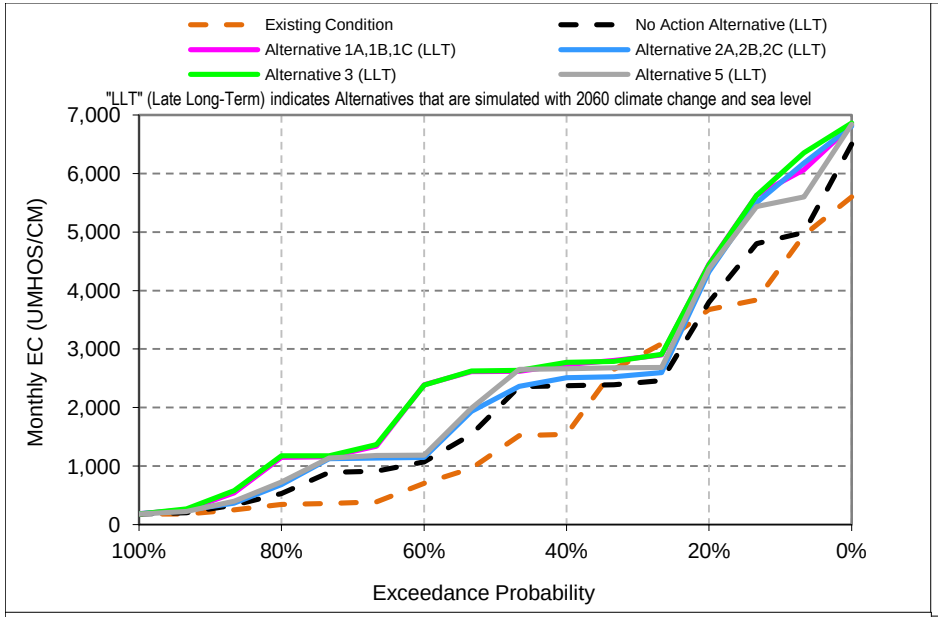


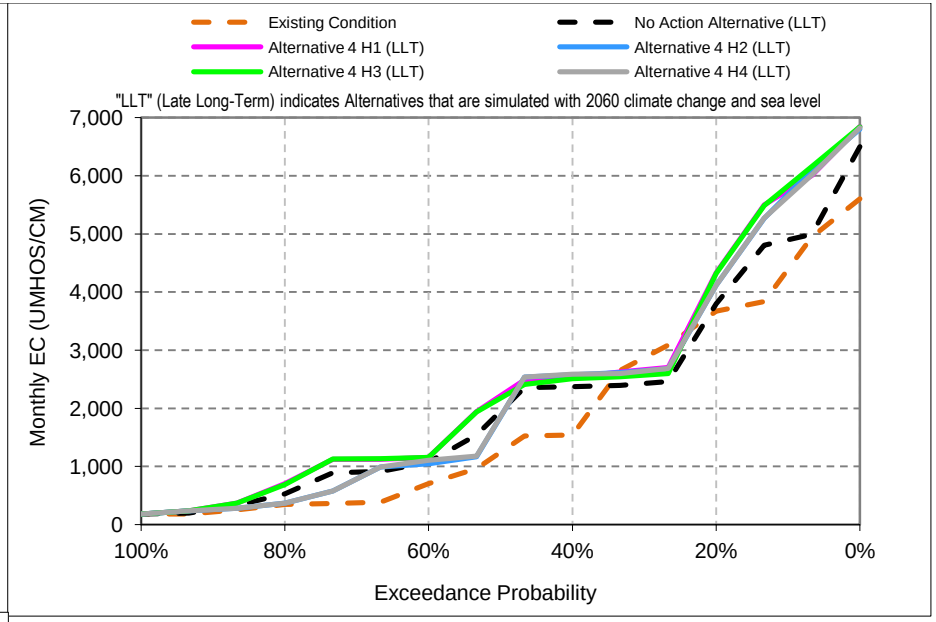


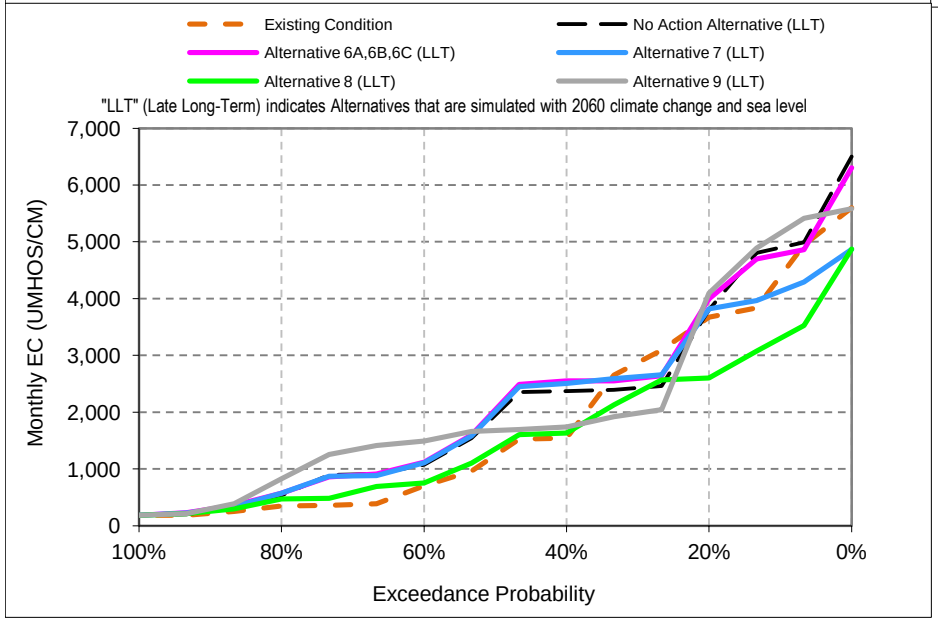
Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-35-4. Sacramento River at Collinsville, April EC



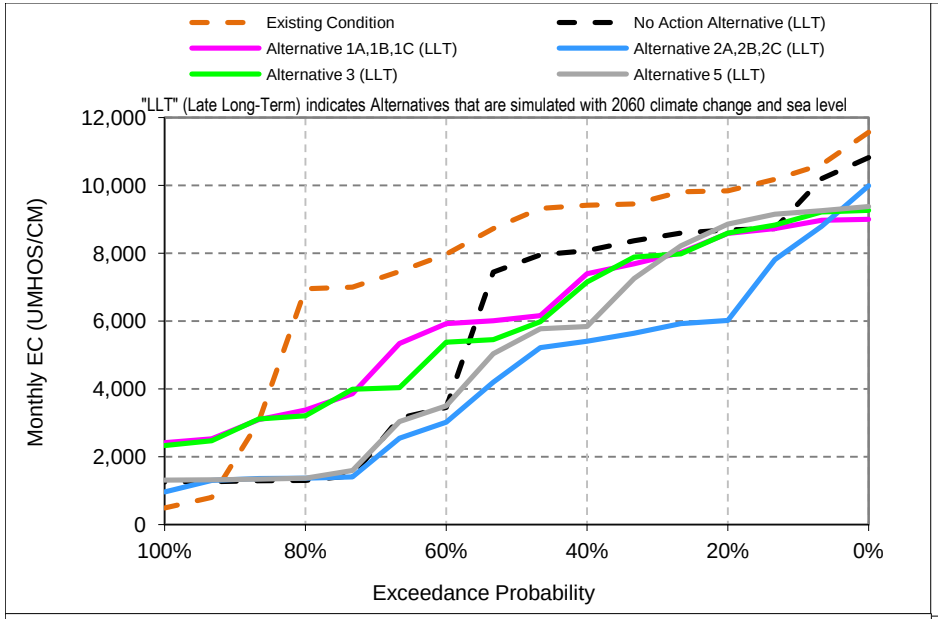


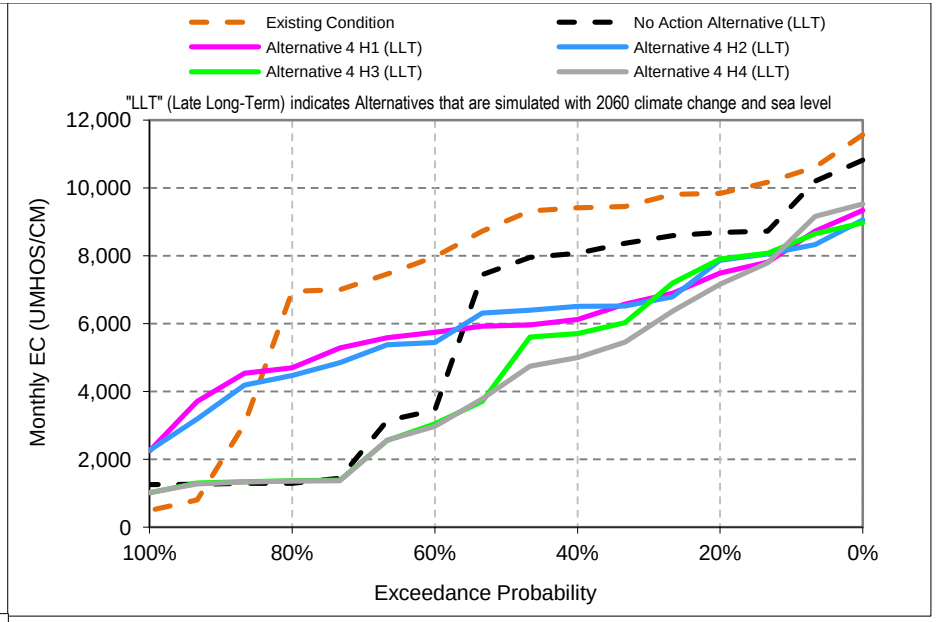


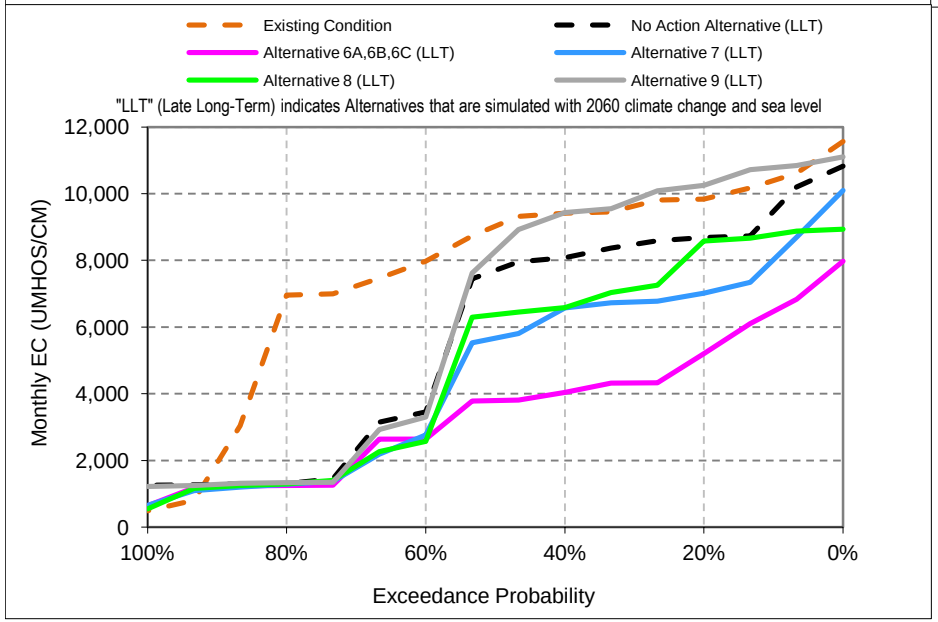
Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-35-5. Sacramento River at Collinsville, May EC



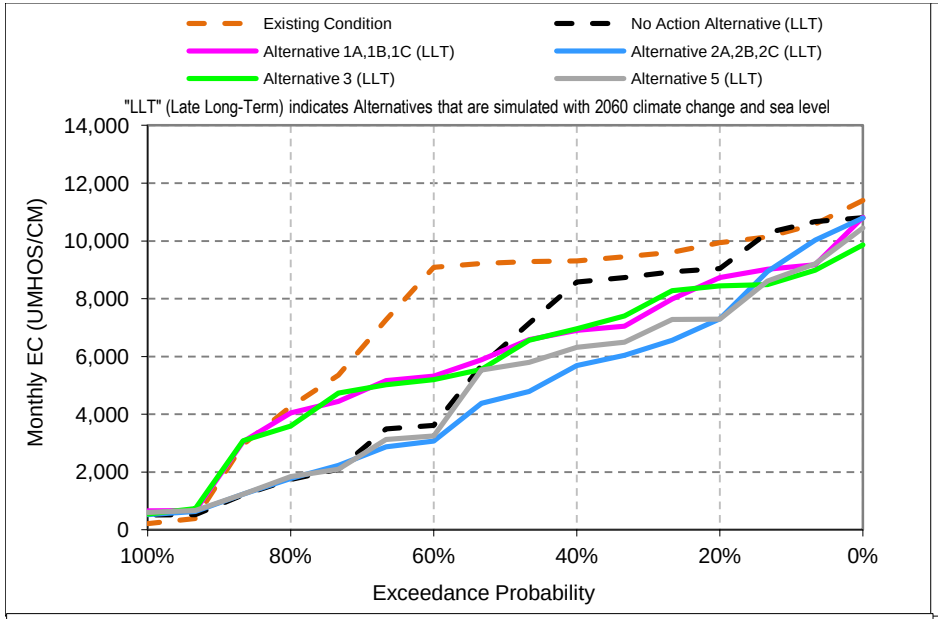


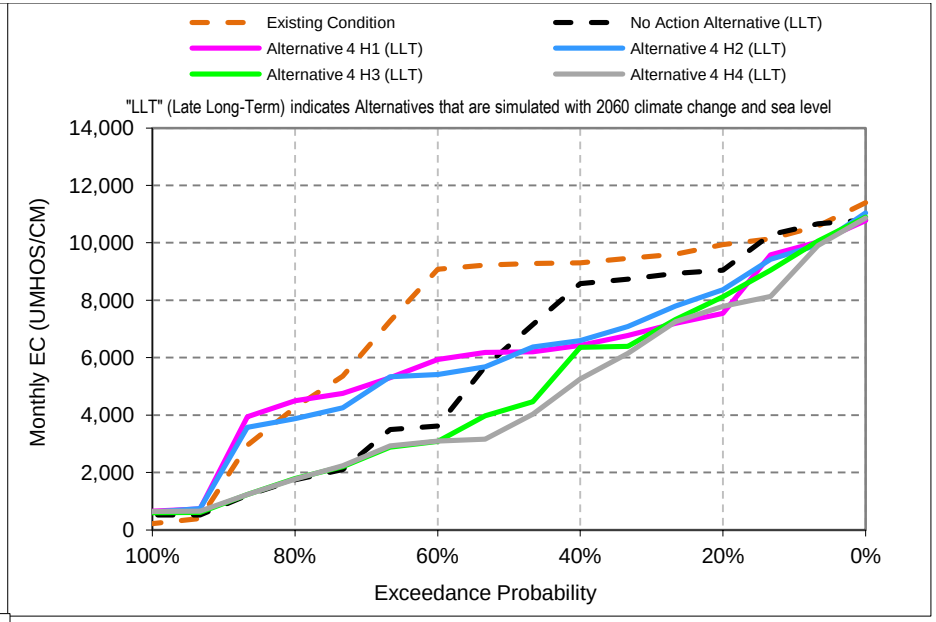


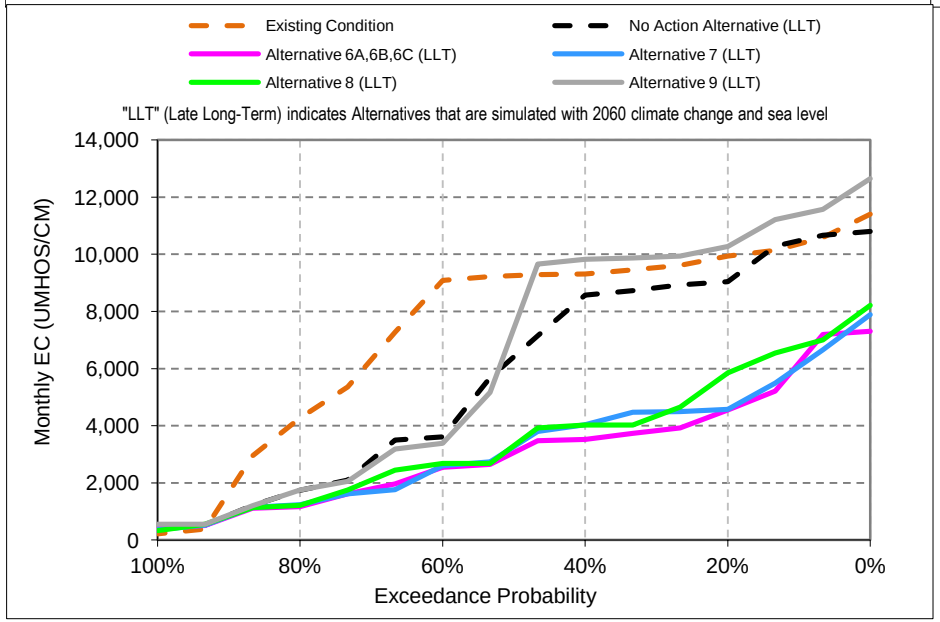
Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-35-6. Sacramento River at Collinsville, October EC



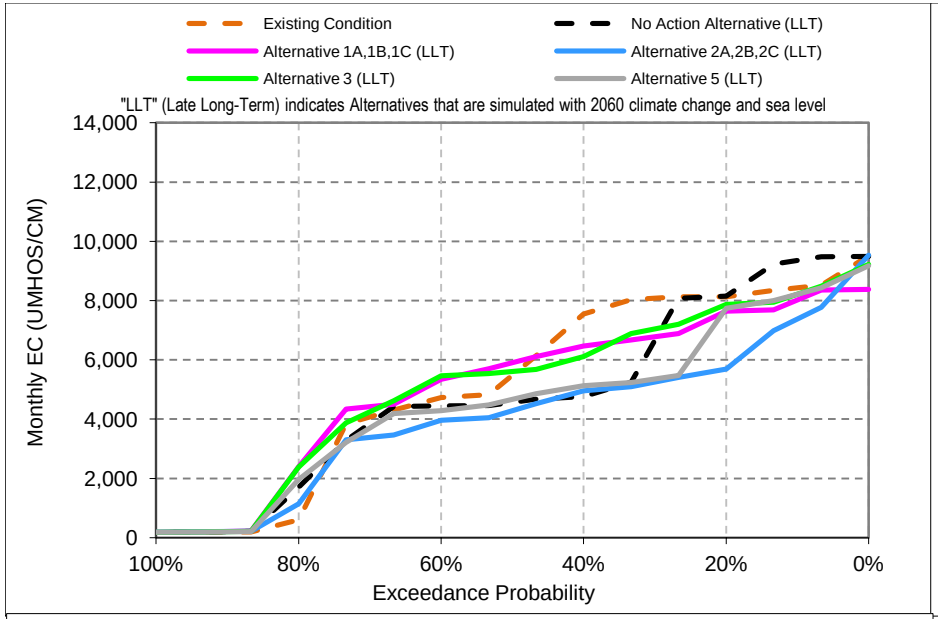


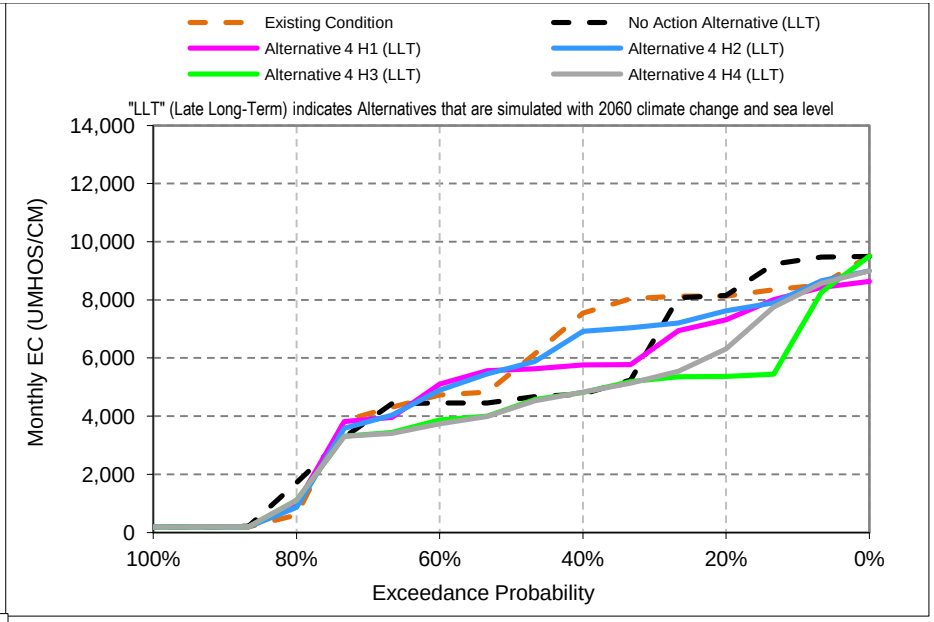


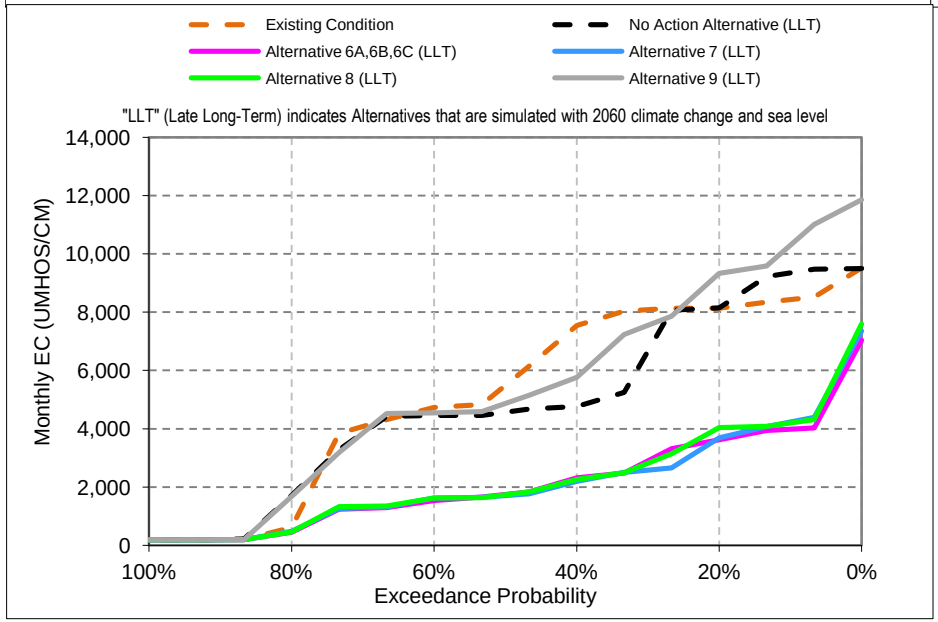
Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-35-7. Sacramento River at Collinsville, November EC







Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-35-8. Sacramento River at Collinsville, December EC

Table C-35-1. Sacramento River at Collinsville, Monthly EC

Existing Condition

Statistic	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	10,394	10,358	8,432	6,076	4,870	2,011	2,270	4,392	6,806	7,799	7,948	9,554
20%	9,839	9,941	8,134	4,604	3,685	1,419	1,748	3,674	5,180	6,392	7,393	9,293
30%	9,634	9,531	8,085	3,955	1,676	1,154	1,076	2,872	4,026	5,912	6,456	8,642
40%	9,415	9,308	7,543	3,041	1,617	713	892	1,542	3,067	4,966	5,734	8,304
50%	9,024	9,252	5,486	2,301	575	427	444	1,243	3,014	4,859	5,087	7,861
60%	7,976	9,083	4,728	1,548	303	234	313	704	2,027	3,510	4,888	7,485
70%	7,234	6,314	4,077	667	209	202	273	375	1,390	2,638	4,742	7,217
80%	6,957	4,267	607	267	197	199	242	346	922	2,141	4,642	6,593
90%	1,923	1,669	193	210	192	191	204	218	495	1,911	4,429	3,940
Long Term												
Full Simulation Period[a]	7,666	7,404	5,204	2,726	1,682	909	987	1,891	3,213	4,503	5,580	7,280
Water Year Types[b]												
Wet (31%)	4,965	3,975	1,220	617	193	191	235	354	959	1,797	3,537	4,029
Above Normal (25%)	10,211	8,928	6,136	404	209	201	231	307	797	2,126	4,742	6,697
Below Normal (6%)	7,467	9,083	8,517	3,446	472	234	368	388	1,475	3,510	4,895	8,304
Dry (13%)	8,027	8,294	5,808	3,496	2,031	666	729	1,670	3,219	5,090	5,438	7,789
Critical (25%)	8,560	8,489	6,872	4,581	3,427	2,095	2,222	4,230	6,327	7,346	7,801	9,503

No Action Alternative (LLT)

Statistic	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,466	10,474	9,351	5,249	5,178	2,997	2,669	4,898	7,206	7,349	8,047	9,919
20%	8,689	9,043	8,149	4,689	2,537	2,061	2,435	3,800	5,094	5,689	6,863	9,582
30%	8,482	8,831	6,659	3,627	2,154	1,528	1,635	2,426	4,021	5,603	6,436	9,224
40%	8,079	8,575	4,758	3,066	1,968	826	1,146	2,371	3,773	5,167	5,804	8,710
50%	7,701	6,421	4,566	2,892	1,149	668	702	1,948	3,137	4,434	4,835	8,565
60%	3,458	3,614	4,452	1,962	482	293	473	1,073	2,548	2,648	4,582	7,862
70%	2,294	2,798	3,854	720	205	200	319	903	2,292	2,245	4,374	3,305
80%	1,300	1,746	1,710	254	200	199	284	531	1,587	2,024	4,325	2,180
90%	1,279	866	204	205	190	193	204	267	1,173	1,498	4,171	1,579
Long Term												
Full Simulation Period[a]	5,753	5,817	4,876	2,744	1,863	1,159	1,251	2,209	3,621	4,217	5,596	6,608
Water Year Types[b]												
Wet (31%)	4,787	3,915	1,316	641	192	194	283	709	1,563	1,702	4,210	1,691
Above Normal (25%)	8,825	8,910	6,415	391	205	197	254	432	1,710	1,925	4,247	3,305
Below Normal (6%)	3,458	3,614	5,247	3,016	665	293	511	893	1,587	4,363	5,804	8,710
Dry (13%)	3,597	4,406	4,692	4,020	2,360	984	1,128	2,048	3,479	4,502	5,279	8,590
Critical (25%)	7,480	7,672	7,181	4,293	3,705	2,628	2,671	4,511	6,552	6,889	7,458	9,856

No Action Alternative (LLT) minus Existing Condition

Statistic	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-928	**116**	**919**	-827	**308**	**987**	**399**	**506**	**401**	-450	**100**	**366**
20%	-1,150	-898	**15**	**85**	-1,149	**642**	**687**	**126**	-86	-703	-530	**289**
30%	-1,152	-700	-1,425	-328	**478**	**374**	**560**	-446	-5	-309	-20	**582**
40%	-1,336	-733	-2,785	**25**	**351**	**112**	**254**	**830**	**706**	**201**	**71**	**406**
50%	-1,323	-2,832	-920	**591**	**574**	**240**	**258**	**705**	**123**	-425	-252	**703**
60%	-4,518	-5,469	-276	**413**	**179**	**59**	**160**	**369**	**521**	-862	-306	**377**
70%	-4,940	-3,516	-223	**54**	-4	-2	**46**	**528**	**902**	-392	-369	-3,912
80%	-5,657	-2,521	**1,103**	-13	**3**	**1**	**42**	**186**	**665**	-117	-317	-4,413
90%	-644	-803	**11**	-5	-3	**2**	**0**	**48**	**678**	-413	-258	-2,360
Long Term												
Full Simulation Period[a]	-1,913	-1,587	-328	**18**	**180**	**250**	**264**	**318**	**407**	-286	**16**	-673
Water Year Types[b]												
Wet (31%)	-178	-60	**96**	**24**	-1	**2**	**48**	**355**	**604**	-95	**673**	-2,338
Above Normal (25%)	-1,386	-18	**279**	-13	-4	-4	**23**	**125**	**913**	-201	-495	-3,392
Below Normal (6%)	-4,009	-5,469	-3,270	-430	**193**	**59**	**143**	**505**	**112**	**853**	**909**	**406**
Dry (13%)	-4,430	-3,889	-1,116	**524**	**329**	**318**	**399**	**377**	**260**	-588	-160	**801**
Critical (25%)	-1,080	-817	**309**	-288	**278**	**533**	**449**	**282**	**225**	-457	-343	**353**

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

Table C-35-2. Sacramento River at Collinsville, Monthly EC

Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	10,394	10,358	8,432	6,076	4,870	2,011	2,270	4,392	6,806	7,799	7,948	9,554
20%	9,839	9,941	8,134	4,604	3,685	1,419	1,748	3,674	5,180	6,392	7,393	9,293
30%	9,634	9,531	8,085	3,955	1,676	1,154	1,076	2,872	4,026	5,912	6,456	8,642
40%	9,415	9,308	7,543	3,041	1,617	713	892	1,542	3,067	4,966	5,734	8,304
50%	9,024	9,252	5,486	2,301	575	427	444	1,243	3,014	4,859	5,087	7,861
60%	7,976	9,083	4,728	1,548	303	234	313	704	2,027	3,510	4,888	7,485
70%	7,234	6,314	4,077	667	209	202	273	375	1,390	2,638	4,742	7,217
80%	6,957	4,267	607	267	197	199	242	346	922	2,141	4,642	6,593
90%	1,923	1,669	193	210	192	191	204	218	495	1,911	4,429	3,940
Long Term												
Full Simulation Period[a]	7,666	7,404	5,204	2,726	1,682	909	987	1,891	3,213	4,503	5,580	7,280
Water Year Types[b]												
Wet (31%)	4,965	3,975	1,220	617	193	191	235	354	959	1,797	3,537	4,029
Above Normal (25%)	10,211	8,928	6,136	404	209	201	231	307	797	2,126	4,742	6,697
Below Normal (6%)	7,467	9,083	8,517	3,446	472	234	368	388	1,475	3,510	4,895	8,304
Dry (13%)	8,027	8,294	5,808	3,496	2,031	666	729	1,670	3,219	5,090	5,438	7,789
Critical (25%)	8,560	8,489	6,872	4,581	3,427	2,095	2,222	4,230	6,327	7,346	7,801	9,503

Alternative 1A,1B,1C (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	8,850	9,099	8,022	5,096	3,683	2,895	3,110	5,845	8,101	8,512	9,060	9,897
20%	8,585	8,737	7,643	4,398	3,077	2,375	2,802	4,449	5,469	7,998	8,022	9,494
30%	7,855	7,516	6,781	3,514	2,781	1,566	1,829	2,854	4,767	6,712	7,813	9,291
40%	7,395	6,903	6,472	2,983	1,854	1,161	1,522	2,736	3,697	6,471	7,367	9,022
50%	6,083	6,240	5,904	2,908	1,190	1,072	1,219	2,618	3,333	5,397	6,562	8,741
60%	5,925	5,322	5,349	2,514	615	326	836	2,388	3,293	3,563	6,040	8,560
70%	4,599	4,810	4,424	866	238	228	406	1,250	2,719	3,386	5,847	8,448
80%	3,381	4,050	2,398	360	212	209	358	1,149	2,260	3,156	5,594	7,547
90%	2,811	1,864	212	220	207	198	234	398	1,200	2,875	5,433	6,698
Long Term												
Full Simulation Period[a]	6,069	5,971	5,069	2,665	1,734	1,248	1,495	2,729	4,067	5,312	6,908	8,370
Water Year Types[b]												
Wet (31%)	4,829	3,097	1,237	901	208	202	391	1,170	1,753	2,552	5,699	7,518
Above Normal (25%)	6,429	7,431	5,910	371	229	219	331	850	2,164	3,359	5,908	8,791
Below Normal (6%)	3,091	4,450	6,886	3,263	615	326	1,049	2,388	2,260	5,074	7,624	10,054
Dry (13%)	7,877	7,922	5,891	3,401	2,356	1,251	1,312	2,328	3,676	5,561	6,365	8,256
Critical (25%)	6,066	6,429	6,777	4,286	3,283	2,679	3,077	5,117	7,353	8,150	8,566	8,638

Alternative 1A,1B,1C (LLT) minus Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-1,543	-1,259	-411	-980	-1,187	**884**	**840**	**1,454**	**1,295**	**714**	**1,112**	**343**
20%	-1,254	-1,205	-490	-206	-608	**956**	**1,054**	**775**	**289**	**1,606**	**629**	**201**
30%	-1,779	-2,014	-1,303	-441	**1,106**	**412**	**753**	-18	**741**	**800**	**1,357**	**650**
40%	-2,020	-2,405	-1,072	-58	**236**	**447**	**630**	**1,194**	**630**	**1,505**	**1,633**	**718**
50%	-2,940	-3,013	**418**	**608**	**615**	**645**	**775**	**1,375**	**320**	**538**	**1,475**	**880**
60%	-2,051	-3,762	**621**	**966**	**312**	**92**	**523**	**1,684**	**1,266**	**53**	**1,152**	**1,075**
70%	-2,635	-1,504	**346**	**199**	**29**	**27**	**133**	**875**	**1,329**	**748**	**1,105**	**1,231**
80%	-3,576	-217	**1,791**	**93**	**15**	**10**	**116**	**804**	**1,338**	**1,015**	**952**	**954**
90%	**888**	**195**	**18**	**10**	**15**	**7**	**30**	**179**	**705**	**963**	**1,004**	**2,758**
Long Term												
Full Simulation Period[a]	-1,597	-1,433	-135	-61	**52**	**339**	**507**	**838**	**853**	**809**	**1,327**	**1,090**
Water Year Types[b]												
Wet (31%)	-136	-878	**17**	**284**	**16**	**11**	**157**	**816**	**794**	**754**	**2,162**	**3,489**
Above Normal (25%)	-3,783	-1,497	-226	-33	**20**	**17**	**100**	**543**	**1,367**	**1,234**	**1,166**	**2,094**
Below Normal (6%)	-4,376	-4,634	-1,631	-182	**143**	**92**	**681**	**2,000**	**785**	**1,564**	**2,729**	**1,750**
Dry (13%)	-151	-372	**83**	-95	**325**	**585**	**584**	**657**	**457**	**471**	**927**	**467**
Critical (25%)	-2,494	-2,060	-95	-295	-144	**585**	**855**	**887**	**1,027**	**804**	**764**	-865

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-35-3. Sacramento River at Collinsville, Monthly EC

Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	10,394	10,358	8,432	6,076	4,870	2,011	2,270	4,392	6,806	7,799	7,948	9,554
20%	9,839	9,941	8,134	4,604	3,685	1,419	1,748	3,674	5,180	6,392	7,393	9,293
30%	9,634	9,531	8,085	3,955	1,676	1,154	1,076	2,872	4,026	5,912	6,456	8,642
40%	9,415	9,308	7,543	3,041	1,617	713	892	1,542	3,067	4,966	5,734	8,304
50%	9,024	9,252	5,486	2,301	575	427	444	1,243	3,014	4,859	5,087	7,861
60%	7,976	9,083	4,728	1,548	303	234	313	704	2,027	3,510	4,888	7,485
70%	7,234	6,314	4,077	667	209	202	273	375	1,390	2,638	4,742	7,217
80%	6,957	4,267	607	267	197	199	242	346	922	2,141	4,642	6,593
90%	1,923	1,669	193	210	192	191	204	218	495	1,911	4,429	3,940
Long Term												
Full Simulation Period[a]	7,666	7,404	5,204	2,726	1,682	909	987	1,891	3,213	4,503	5,580	7,280
Water Year Types[b]												
Wet (31%)	4,965	3,975	1,220	617	193	191	235	354	959	1,797	3,537	4,029
Above Normal (25%)	10,211	8,928	6,136	404	209	201	231	307	797	2,126	4,742	6,697
Below Normal (6%)	7,467	9,083	8,517	3,446	472	234	368	388	1,475	3,510	4,895	8,304
Dry (13%)	8,027	8,294	5,808	3,496	2,031	666	729	1,670	3,219	5,090	5,438	7,789
Critical (25%)	8,560	8,489	6,872	4,581	3,427	2,095	2,222	4,230	6,327	7,346	7,801	9,503

Alternative 2A,2B,2C (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	8,298	9,484	7,380	3,731	3,881	2,664	3,088	5,839	8,127	8,612	8,924	9,787
20%	6,019	7,299	5,687	3,087	2,698	2,296	2,745	4,320	5,636	8,116	8,347	9,602
30%	5,784	6,304	5,256	2,830	1,687	1,579	1,898	2,562	4,668	6,483	7,795	8,971
40%	5,404	5,682	4,956	2,725	1,520	1,304	1,579	2,510	3,704	6,178	6,751	8,317
50%	4,711	4,586	4,286	2,281	1,093	906	888	2,152	3,362	5,458	6,568	7,965
60%	3,016	3,077	3,966	1,491	664	437	603	1,150	3,228	3,496	6,203	6,574
70%	1,980	2,553	3,384	752	238	229	388	1,130	2,222	3,264	5,702	3,323
80%	1,372	1,781	1,145	280	212	210	333	685	1,756	3,161	5,571	2,309
90%	1,331	935	206	219	204	198	235	309	1,153	2,882	5,466	1,879
Long Term												
Full Simulation Period[a]	4,436	4,805	4,156	2,036	1,514	1,223	1,439	2,478	3,968	5,276	6,909	6,397
Water Year Types[b]												
Wet (31%)	3,309	3,313	1,160	649	207	203	327	877	1,730	2,597	5,755	1,959
Above Normal (25%)	6,496	7,585	5,321	347	231	219	324	527	1,632	3,113	5,639	3,323
Below Normal (6%)	3,016	3,077	5,101	2,725	778	437	648	1,150	1,756	4,881	7,537	9,937
Dry (13%)	3,258	4,228	3,636	2,822	2,083	1,221	1,293	2,132	3,655	5,624	6,578	8,529
Critical (25%)	5,739	5,694	6,314	3,057	2,767	2,598	3,051	5,080	7,385	8,086	8,480	8,765

Alternative 2A,2B,2C (LLT) minus Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-2,095	-874	-1,052	-2,346	-989	**653**	**817**	**1,447**	**1,321**	**814**	**976**	**233**
20%	-3,820	-2,642	-2,447	-1,517	-987	**877**	**997**	**646**	**456**	**1,725**	**955**	**309**
30%	-3,850	-3,227	-2,829	-1,125	**11**	**425**	**822**	-310	**642**	**571**	**1,339**	**329**
40%	-4,011	-3,626	-2,588	-316	-98	**591**	**687**	**968**	**637**	**1,212**	**1,017**	**13**
50%	-4,313	-4,667	-1,200	-19	**517**	**479**	**444**	**909**	**348**	**599**	**1,481**	**103**
60%	-4,960	-6,006	-763	-57	**360**	**203**	**290**	**447**	**1,202**	-14	**1,315**	-911
70%	-5,254	-3,760	-693	**85**	**29**	**27**	**115**	**755**	**832**	**627**	**960**	-3,894
80%	-5,584	-2,486	**539**	**14**	**15**	**11**	**91**	**340**	**834**	**1,020**	**929**	-4,283
90%	-592	-734	**13**	**9**	**12**	**8**	**31**	**90**	**658**	**971**	**1,037**	-2,060
Long Term												
Full Simulation Period[a]	-3,230	-2,599	-1,048	-689	-168	**314**	**452**	**587**	**754**	**774**	**1,329**	-883
Water Year Types[b]												
Wet (31%)	-1,656	-662	-60	**31**	**14**	**11**	**92**	**523**	**771**	**800**	**2,218**	-2,070
Above Normal (25%)	-3,715	-1,342	-815	-58	**21**	**18**	**93**	**219**	**835**	**987**	**897**	-3,374
Below Normal (6%)	-4,451	-6,006	-3,416	-721	**306**	**203**	**281**	**762**	**281**	**1,371**	**2,642**	**1,633**
Dry (13%)	-4,769	-4,066	-2,172	-674	**52**	**555**	**564**	**462**	**436**	**534**	**1,140**	**740**
Critical (25%)	-2,821	-2,795	-558	-1,525	-660	**504**	**829**	**851**	**1,058**	**740**	**679**	-739

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-35-4. Sacramento River at Collinsville, Monthly EC

Existing Condition

Statistic	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	10,394	10,358	8,432	6,076	4,870	2,011	2,270	4,392	6,806	7,799	7,948	9,554
20%	9,839	9,941	8,134	4,604	3,685	1,419	1,748	3,674	5,180	6,392	7,393	9,293
30%	9,634	9,531	8,085	3,955	1,676	1,154	1,076	2,872	4,026	5,912	6,456	8,642
40%	9,415	9,308	7,543	3,041	1,617	713	892	1,542	3,067	4,966	5,734	8,304
50%	9,024	9,252	5,486	2,301	575	427	444	1,243	3,014	4,859	5,087	7,861
60%	7,976	9,083	4,728	1,548	303	234	313	704	2,027	3,510	4,888	7,485
70%	7,234	6,314	4,077	667	209	202	273	375	1,390	2,638	4,742	7,217
80%	6,957	4,267	607	267	197	199	242	346	922	2,141	4,642	6,593
90%	1,923	1,669	193	210	192	191	204	218	495	1,911	4,429	3,940
Long Term												
Full Simulation Period[a]	7,666	7,404	5,204	2,726	1,682	909	987	1,891	3,213	4,503	5,580	7,280
Water Year Types[b]												
Wet (31%)	4,965	3,975	1,220	617	193	191	235	354	959	1,797	3,537	4,029
Above Normal (25%)	10,211	8,928	6,136	404	209	201	231	307	797	2,126	4,742	6,697
Below Normal (6%)	7,467	9,083	8,517	3,446	472	234	368	388	1,475	3,510	4,895	8,304
Dry (13%)	8,027	8,294	5,808	3,496	2,031	666	729	1,670	3,219	5,090	5,438	7,789
Critical (25%)	8,560	8,489	6,872	4,581	3,427	2,095	2,222	4,230	6,327	7,346	7,801	9,503

Alternative 3 (LLT)

Statistic	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,024	8,741	8,215	4,397	3,745	2,862	3,143	5,990	7,994	8,469	9,068	9,735
20%	8,598	8,447	7,867	4,242	3,214	2,361	2,792	4,439	5,398	7,956	7,808	9,567
30%	7,935	7,846	7,043	3,692	2,650	1,431	1,825	2,848	4,731	6,509	7,640	9,378
40%	7,153	6,958	6,115	3,335	1,897	992	1,543	2,774	3,694	6,371	7,082	9,087
50%	5,721	6,062	5,606	2,813	1,134	958	1,209	2,633	3,520	5,452	6,533	8,772
60%	5,381	5,196	5,465	2,329	680	316	842	2,384	3,318	3,567	5,996	8,397
70%	4,014	4,879	4,251	783	216	212	420	1,272	2,783	3,458	5,752	8,120
80%	3,210	3,597	2,386	315	206	205	376	1,177	2,255	3,155	5,605	7,536
90%	2,796	1,910	203	208	195	196	218	423	1,205	2,846	5,528	7,010
Long Term												
Full Simulation Period[a]	5,932	5,843	5,117	2,492	1,620	1,213	1,503	2,760	4,078	5,311	6,881	8,360
Water Year Types[b]												
Wet (31%)	4,680	3,628	1,303	735	199	200	401	1,182	1,802	2,576	5,689	7,363
Above Normal (25%)	6,236	6,731	5,572	359	211	203	314	878	2,181	3,361	5,832	8,662
Below Normal (6%)	4,038	5,023	7,198	3,335	682	316	1,046	2,384	2,255	5,113	7,577	10,161
Dry (13%)	7,945	7,741	5,814	3,611	2,299	1,119	1,297	2,345	3,751	5,537	6,442	8,453
Critical (25%)	5,581	5,906	7,013	3,686	2,966	2,684	3,117	5,182	7,285	8,139	8,466	8,601

Alternative 3 (LLT) minus Existing Condition

Statistic	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-1,370	-1,616	-217	-1,679	-1,125	**851**	**873**	**1,598**	**1,188**	**670**	**1,120**	**181**
20%	-1,241	-1,494	-267	-362	-471	**942**	**1,044**	**765**	**217**	**1,564**	**416**	**274**
30%	-1,698	-1,685	-1,041	-263	**974**	**277**	**749**	-23	**706**	**598**	**1,184**	**736**
40%	-2,262	-2,350	-1,429	**294**	**279**	**278**	**651**	**1,233**	**627**	**1,405**	**1,348**	**783**
50%	-3,303	-3,190	**120**	**512**	**559**	**530**	**765**	**1,390**	**506**	**593**	**1,446**	**911**
60%	-2,595	-3,888	**737**	**781**	**377**	**83**	**529**	**1,681**	**1,291**	**57**	**1,108**	**913**
70%	-3,220	-1,435	**174**	**116**	**7**	**10**	**147**	**897**	**1,393**	**820**	**1,009**	**903**
80%	-3,747	-669	**1,779**	**49**	**8**	**6**	**134**	**831**	**1,333**	**1,015**	**963**	**943**
90%	**873**	**241**	**10**	-2	**2**	**6**	**15**	**205**	**710**	**935**	**1,099**	**3,070**
Long Term												
Full Simulation Period[a]	-1,734	-1,561	-87	-234	-62	**305**	**516**	**869**	**865**	**809**	**1,301**	**1,079**
Water Year Types[b]												
Wet (31%)	-285	-347	**83**	**118**	**6**	**8**	**167**	**828**	**843**	**779**	**2,152**	**3,334**
Above Normal (25%)	-3,975	-2,197	-564	-46	**2**	**2**	**83**	**570**	**1,384**	**1,236**	**1,090**	**1,965**
Below Normal (6%)	-3,429	-4,060	-1,319	-110	**210**	**83**	**678**	**1,996**	**779**	**1,603**	**2,682**	**1,857**
Dry (13%)	-83	-553	**6**	**115**	**268**	**453**	**568**	**674**	**532**	**447**	**1,004**	**664**
Critical (25%)	-2,979	-2,584	**141**	-895	-461	**589**	**895**	**952**	**958**	**793**	**664**	-902

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-35-5. Sacramento River at Collinsville, Monthly EC

Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	10,394	10,358	8,432	6,076	4,870	2,011	2,270	4,392	6,806	7,799	7,948	9,554
20%	9,839	9,941	8,134	4,604	3,685	1,419	1,748	3,674	5,180	6,392	7,393	9,293
30%	9,634	9,531	8,085	3,955	1,676	1,154	1,076	2,872	4,026	5,912	6,456	8,642
40%	9,415	9,308	7,543	3,041	1,617	713	892	1,542	3,067	4,966	5,734	8,304
50%	9,024	9,252	5,486	2,301	575	427	444	1,243	3,014	4,859	5,087	7,861
60%	7,976	9,083	4,728	1,548	303	234	313	704	2,027	3,510	4,888	7,485
70%	7,234	6,314	4,077	667	209	202	273	375	1,390	2,638	4,742	7,217
80%	6,957	4,267	607	267	197	199	242	346	922	2,141	4,642	6,593
90%	1,923	1,669	193	210	192	191	204	218	495	1,911	4,429	3,940
Long Term												
Full Simulation Period[a]	7,666	7,404	5,204	2,726	1,682	909	987	1,891	3,213	4,503	5,580	7,280
Water Year Types[b]												
Wet (31%)	4,965	3,975	1,220	617	193	191	235	354	959	1,797	3,537	4,029
Above Normal (25%)	10,211	8,928	6,136	404	209	201	231	307	797	2,126	4,742	6,697
Below Normal (6%)	7,467	9,083	8,517	3,446	472	234	368	388	1,475	3,510	4,895	8,304
Dry (13%)	8,027	8,294	5,808	3,496	2,031	666	729	1,670	3,219	5,090	5,438	7,789
Critical (25%)	8,560	8,489	6,872	4,581	3,427	2,095	2,222	4,230	6,327	7,346	7,801	9,503

Alternative 4 H1 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	8,274	9,809	8,215	3,501	3,664	2,585	3,116	5,751	8,122	8,636	8,974	9,702
20%	7,496	7,538	7,319	3,114	2,262	2,367	2,780	4,334	5,391	7,955	8,304	9,433
30%	6,735	6,983	6,355	2,925	1,862	1,555	1,794	2,662	4,668	6,557	7,635	9,175
40%	6,130	6,431	5,764	2,265	1,473	1,026	1,614	2,534	4,178	6,362	7,097	8,928
50%	5,946	6,194	5,601	1,960	982	915	857	2,215	3,439	5,207	6,433	8,809
60%	5,750	5,935	5,098	1,357	661	360	603	1,154	3,237	3,571	5,840	8,223
70%	5,437	5,025	3,889	745	226	223	403	1,122	2,219	3,353	5,747	8,142
80%	4,705	4,494	973	267	205	208	332	706	1,592	3,159	5,565	7,930
90%	4,128	2,335	196	211	197	197	232	303	1,161	2,687	5,480	6,306
Long Term												
Full Simulation Period[a]	6,044	6,032	4,780	2,089	1,526	1,196	1,433	2,492	3,984	5,286	6,859	8,234
Water Year Types[b]												
Wet (31%)	4,535	3,268	1,134	612	201	202	327	871	1,722	2,580	5,667	7,483
Above Normal (25%)	6,718	7,763	5,431	328	218	212	323	538	1,657	3,087	5,596	8,532
Below Normal (6%)	4,544	5,299	7,319	3,135	693	360	622	1,154	1,592	4,727	7,495	9,945
Dry (13%)	7,004	7,070	5,237	2,843	2,039	1,150	1,273	2,212	3,812	5,514	6,386	7,788
Critical (25%)	6,514	6,868	6,564	3,162	2,866	2,590	3,051	5,061	7,339	8,258	8,569	8,731

Alternative 4 H1 (LLT) minus Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-2,120	-549	-217	-2,575	-1,206	**575**	**846**	**1,360**	**1,316**	**837**	**1,026**	**148**
20%	-2,343	-2,404	-815	-1,490	-1,423	**948**	**1,032**	**660**	**211**	**1,564**	**912**	**139**
30%	-2,899	-2,548	-1,730	-1,030	**187**	**401**	**719**	-209	**642**	**645**	**1,179**	**533**
40%	-3,285	-2,878	-1,779	-776	-145	**312**	**722**	**992**	**1,112**	**1,396**	**1,363**	**624**
50%	-3,078	-3,058	**115**	-341	**407**	**488**	**413**	**972**	**425**	**349**	**1,346**	**947**
60%	-2,226	-3,148	**369**	-192	**357**	**126**	**290**	**450**	**1,210**	**61**	**952**	**738**
70%	-1,797	-1,289	-189	**78**	**17**	**21**	**130**	**747**	**829**	**715**	**1,005**	**925**
80%	-2,252	**228**	**366**	**0**	**8**	**10**	**90**	**360**	**670**	**1,018**	**923**	**1,338**
90%	**2,206**	**666**	**2**	**1**	**4**	**6**	**28**	**85**	**666**	**775**	**1,051**	**2,366**
Long Term												
Full Simulation Period[a]	-1,622	-1,372	-424	-637	-156	**288**	**446**	**601**	**770**	**783**	**1,279**	**954**
Water Year Types[b]												
Wet (31%)	-430	-707	-86	-5	**9**	**11**	**92**	**517**	**763**	**783**	**2,130**	**3,454**
Above Normal (25%)	-3,493	-1,164	-705	-76	**8**	**11**	**92**	**231**	**860**	**961**	**854**	**1,835**
Below Normal (6%)	-2,923	-3,785	-1,198	-310	**221**	**126**	**255**	**766**	**117**	**1,217**	**2,600**	**1,642**
Dry (13%)	-1,023	-1,224	-571	-653	**8**	**484**	**544**	**541**	**593**	**424**	**948**	-1
Critical (25%)	-2,046	-1,621	-308	-1,419	-561	**495**	**829**	**831**	**1,012**	**913**	**767**	-773

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-35-6. Sacramento River at Collinsville, Monthly EC

Existing Condition

Statistic	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	10,394	10,358	8,432	6,076	4,870	2,011	2,270	4,392	6,806	7,799	7,948	9,554
20%	9,839	9,941	8,134	4,604	3,685	1,419	1,748	3,674	5,180	6,392	7,393	9,293
30%	9,634	9,531	8,085	3,955	1,676	1,154	1,076	2,872	4,026	5,912	6,456	8,642
40%	9,415	9,308	7,543	3,041	1,617	713	892	1,542	3,067	4,966	5,734	8,304
50%	9,024	9,252	5,486	2,301	575	427	444	1,243	3,014	4,859	5,087	7,861
60%	7,976	9,083	4,728	1,548	303	234	313	704	2,027	3,510	4,888	7,485
70%	7,234	6,314	4,077	667	209	202	273	375	1,390	2,638	4,742	7,217
80%	6,957	4,267	607	267	197	199	242	346	922	2,141	4,642	6,593
90%	1,923	1,669	193	210	192	191	204	218	495	1,911	4,429	3,940
Long Term												
Full Simulation Period[a]	7,666	7,404	5,204	2,726	1,682	909	987	1,891	3,213	4,503	5,580	7,280
Water Year Types[b]												
Wet (31%)	4,965	3,975	1,220	617	193	191	235	354	959	1,797	3,537	4,029
Above Normal (25%)	10,211	8,928	6,136	404	209	201	231	307	797	2,126	4,742	6,697
Below Normal (6%)	7,467	9,083	8,517	3,446	472	234	368	388	1,475	3,510	4,895	8,304
Dry (13%)	8,027	8,294	5,808	3,496	2,031	666	729	1,670	3,219	5,090	5,438	7,789
Critical (25%)	8,560	8,489	6,872	4,581	3,427	2,095	2,222	4,230	6,327	7,346	7,801	9,503

Alternative 4 H2 (LLT)

Statistic	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	8,195	9,677	8,273	4,314	3,676	2,531	2,895	5,680	8,034	8,342	8,860	9,814
20%	7,867	8,367	7,623	3,823	2,436	2,016	2,708	4,116	5,569	8,117	8,598	9,573
30%	6,661	7,442	7,117	3,198	1,942	1,498	1,726	2,648	4,656	6,554	7,571	9,016
40%	6,514	6,596	6,913	2,711	1,518	1,062	1,614	2,579	4,183	6,275	7,118	8,864
50%	6,359	6,028	5,671	2,259	1,070	890	843	1,854	3,658	5,544	6,632	8,494
60%	5,442	5,408	4,890	1,180	610	341	436	1,046	2,336	4,075	6,090	8,140
70%	5,112	4,791	3,811	714	228	225	299	783	1,891	3,414	5,820	8,016
80%	4,470	3,874	862	256	205	207	221	372	1,576	3,387	5,663	7,877
90%	3,694	2,155	193	211	198	197	194	259	1,173	2,991	5,538	7,445
Long Term												
Full Simulation Period[a]	5,979	6,006	4,975	2,154	1,515	1,149	1,353	2,346	3,913	5,426	6,937	8,311
Water Year Types[b]												
Wet (31%)	4,645	3,181	1,151	642	202	202	229	511	1,407	2,615	5,732	7,066
Above Normal (25%)	6,625	7,644	5,174	311	220	215	238	327	1,476	3,410	5,958	8,503
Below Normal (6%)	8,058	8,367	7,200	2,711	610	341	599	989	1,668	4,882	7,560	9,947
Dry (13%)	6,570	6,871	5,578	3,267	2,179	1,111	1,224	2,243	3,923	5,847	6,519	8,764
Critical (25%)	5,898	6,446	7,027	3,100	2,734	2,471	2,954	4,978	7,335	8,251	8,502	8,541

Alternative 4 H2 (LLT) minus Existing Condition

Statistic	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-2,198	-680	-160	-1,762	-1,193	**521**	**625**	**1,288**	**1,228**	**544**	**912**	**260**
20%	-1,972	-1,574	-510	-781	-1,249	**597**	**960**	**442**	**388**	**1,726**	**1,205**	**279**
30%	-2,973	-2,089	-967	-757	**266**	**344**	**651**	-224	**631**	**643**	**1,115**	**374**
40%	-2,901	-2,712	-630	-330	-100	**348**	**721**	**1,037**	**1,116**	**1,309**	**1,384**	**560**
50%	-2,664	-3,224	**185**	-42	**494**	**462**	**399**	**611**	**644**	**686**	**1,545**	**633**
60%	-2,534	-3,675	**162**	-368	**307**	**107**	**123**	**343**	**309**	**565**	**1,202**	**655**
70%	-2,122	-1,522	-266	**48**	**19**	**24**	**26**	**408**	**502**	**776**	**1,078**	**799**
80%	-2,487	-393	**256**	-10	**7**	**9**	-21	**27**	**654**	**1,246**	**1,021**	**1,284**
90%	**1,771**	**486**	0	**1**	**6**	**7**	-10	**40**	**678**	**1,080**	**1,109**	**3,505**
Long Term												
Full Simulation Period[a]	-1,687	-1,398	-229	-572	-167	**240**	**366**	**456**	**700**	**923**	**1,357**	**1,030**
Water Year Types[b]												
Wet (31%)	-320	-794	-69	**25**	**10**	**11**	-6	**157**	**448**	**818**	**2,195**	**3,037**
Above Normal (25%)	-3,586	-1,284	-962	-93	**10**	**13**	**7**	**19**	**679**	**1,285**	**1,216**	**1,806**
Below Normal (6%)	**591**	-716	-1,316	-734	**138**	**107**	**231**	**601**	**193**	**1,372**	**2,665**	**1,643**
Dry (13%)	-1,457	-1,423	-230	-229	**148**	**445**	**496**	**572**	**703**	**757**	**1,081**	**975**
Critical (25%)	-2,661	-2,044	**155**	-1,481	-692	**377**	**732**	**748**	**1,008**	**905**	**700**	-963

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-35-7. Sacramento River at Collinsville, Monthly EC

Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	10,394	10,358	8,432	6,076	4,870	2,011	2,270	4,392	6,806	7,799	7,948	9,554
20%	9,839	9,941	8,134	4,604	3,685	1,419	1,748	3,674	5,180	6,392	7,393	9,293
30%	9,634	9,531	8,085	3,955	1,676	1,154	1,076	2,872	4,026	5,912	6,456	8,642
40%	9,415	9,308	7,543	3,041	1,617	713	892	1,542	3,067	4,966	5,734	8,304
50%	9,024	9,252	5,486	2,301	575	427	444	1,243	3,014	4,859	5,087	7,861
60%	7,976	9,083	4,728	1,548	303	234	313	704	2,027	3,510	4,888	7,485
70%	7,234	6,314	4,077	667	209	202	273	375	1,390	2,638	4,742	7,217
80%	6,957	4,267	607	267	197	199	242	346	922	2,141	4,642	6,593
90%	1,923	1,669	193	210	192	191	204	218	495	1,911	4,429	3,940
Long Term												
Full Simulation Period[a]	7,666	7,404	5,204	2,726	1,682	909	987	1,891	3,213	4,503	5,580	7,280
Water Year Types[b]												
Wet (31%)	4,965	3,975	1,220	617	193	191	235	354	959	1,797	3,537	4,029
Above Normal (25%)	10,211	8,928	6,136	404	209	201	231	307	797	2,126	4,742	6,697
Below Normal (6%)	7,467	9,083	8,517	3,446	472	234	368	388	1,475	3,510	4,895	8,304
Dry (13%)	8,027	8,294	5,808	3,496	2,031	666	729	1,670	3,219	5,090	5,438	7,789
Critical (25%)	8,560	8,489	6,872	4,581	3,427	2,095	2,222	4,230	6,327	7,346	7,801	9,503

Alternative 4 H3 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	8,363	9,554	6,854	3,717	4,091	2,650	3,088	5,823	8,144	8,682	8,913	9,593
20%	7,904	8,123	5,371	3,091	2,693	2,389	2,763	4,321	5,638	8,115	8,517	9,256
30%	6,616	6,863	5,273	2,790	1,908	1,583	1,896	2,573	4,675	6,806	7,825	8,888
40%	5,709	6,355	4,813	2,726	1,464	1,081	1,569	2,513	3,824	6,284	7,409	8,460
50%	4,657	4,220	4,286	1,891	1,009	889	882	2,176	3,447	5,355	6,413	7,764
60%	3,054	3,083	3,866	1,433	625	378	603	1,154	3,234	3,502	5,874	6,466
70%	1,977	2,541	3,376	714	226	223	401	1,133	2,230	3,294	5,700	3,282
80%	1,372	1,784	1,105	266	205	208	332	687	1,770	3,178	5,541	2,296
90%	1,322	921	196	211	197	198	232	303	1,155	2,680	5,472	1,842
Long Term												
Full Simulation Period[a]	4,619	4,940	4,050	1,992	1,552	1,227	1,445	2,482	3,993	5,324	6,927	6,310
Water Year Types[b]												
Wet (31%)	3,804	3,253	1,143	617	201	202	327	873	1,736	2,526	5,630	1,940
Above Normal (25%)	6,340	7,435	5,083	316	217	212	321	528	1,634	3,096	5,620	3,282
Below Normal (6%)	3,054	3,083	5,193	2,780	626	378	633	1,154	1,770	4,918	7,577	9,961
Dry (13%)	3,285	4,233	3,623	2,776	2,053	1,150	1,296	2,151	3,730	5,547	6,550	8,183
Critical (25%)	5,962	6,230	6,077	2,979	2,950	2,685	3,070	5,082	7,399	8,358	8,659	8,788

Alternative 4 H3 (LLT) minus Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-2,030	-804	-1,579	-2,359	-778	**640**	**818**	**1,431**	**1,338**	**883**	**966**	**39**
20%	-1,935	-1,819	-2,763	-1,513	-992	**970**	**1,014**	**648**	**457**	**1,724**	**1,125**	-37
30%	-3,018	-2,668	-2,812	-1,165	**232**	**429**	**820**	-299	**650**	**894**	**1,369**	**246**
40%	-3,706	-2,953	-2,730	-315	-154	**368**	**677**	**971**	**758**	**1,318**	**1,675**	**156**
50%	-4,367	-5,032	-1,200	-409	**433**	**461**	**438**	**933**	**433**	**496**	**1,326**	-97
60%	-4,922	-6,000	-863	-115	**322**	**144**	**290**	**451**	**1,207**	-8	**986**	-1,018
70%	-5,257	-3,773	-701	**47**	**17**	**21**	**128**	**758**	**840**	**656**	**958**	-3,935
80%	-5,585	-2,482	**498**	-1	**7**	**10**	**90**	**341**	**848**	**1,038**	**899**	-4,296
90%	-600	-748	**2**	**1**	**5**	**7**	**28**	**85**	**660**	**769**	**1,043**	-2,098
Long Term												
Full Simulation Period[a]	-3,048	-2,464	-1,153	-734	-131	**318**	**458**	**592**	**780**	**822**	**1,347**	-970
Water Year Types[b]												
Wet (31%)	-1,161	-722	-77	0	**9**	**11**	**92**	**519**	**777**	**728**	**2,093**	-2,089
Above Normal (25%)	-3,871	-1,493	-1,053	-88	**8**	**11**	**90**	**221**	**837**	**970**	**878**	-3,414
Below Normal (6%)	-4,414	-6,000	-3,323	-666	**154**	**144**	**266**	**766**	**294**	**1,408**	**2,682**	**1,657**
Dry (13%)	-4,743	-4,062	-2,186	-720	**22**	**483**	**567**	**481**	**511**	**457**	**1,112**	**394**
Critical (25%)	-2,598	-2,260	-795	-1,603	-477	**590**	**847**	**852**	**1,072**	**1,012**	**858**	-715

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-35-8. Sacramento River at Collinsville, Monthly EC

Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	10,394	10,358	8,432	6,076	4,870	2,011	2,270	4,392	6,806	7,799	7,948	9,554
20%	9,839	9,941	8,134	4,604	3,685	1,419	1,748	3,674	5,180	6,392	7,393	9,293
30%	9,634	9,531	8,085	3,955	1,676	1,154	1,076	2,872	4,026	5,912	6,456	8,642
40%	9,415	9,308	7,543	3,041	1,617	713	892	1,542	3,067	4,966	5,734	8,304
50%	9,024	9,252	5,486	2,301	575	427	444	1,243	3,014	4,859	5,087	7,861
60%	7,976	9,083	4,728	1,548	303	234	313	704	2,027	3,510	4,888	7,485
70%	7,234	6,314	4,077	667	209	202	273	375	1,390	2,638	4,742	7,217
80%	6,957	4,267	607	267	197	199	242	346	922	2,141	4,642	6,593
90%	1,923	1,669	193	210	192	191	204	218	495	1,911	4,429	3,940
Long Term												
Full Simulation Period[a]	7,666	7,404	5,204	2,726	1,682	909	987	1,891	3,213	4,503	5,580	7,280
Water Year Types[b]												
Wet (31%)	4,965	3,975	1,220	617	193	191	235	354	959	1,797	3,537	4,029
Above Normal (25%)	10,211	8,928	6,136	404	209	201	231	307	797	2,126	4,742	6,697
Below Normal (6%)	7,467	9,083	8,517	3,446	472	234	368	388	1,475	3,510	4,895	8,304
Dry (13%)	8,027	8,294	5,808	3,496	2,031	666	729	1,670	3,219	5,090	5,438	7,789
Critical (25%)	8,560	8,489	6,872	4,581	3,427	2,095	2,222	4,230	6,327	7,346	7,801	9,503

Alternative 4 H4 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	8,480	9,019	8,162	4,901	4,372	2,632	2,983	5,643	8,015	8,341	8,736	9,587
20%	7,159	7,785	6,312	3,805	3,476	2,291	2,686	4,118	5,570	8,049	8,064	8,630
30%	5,913	6,699	5,337	3,357	1,963	1,555	1,707	2,644	4,676	6,638	7,643	8,451
40%	5,005	5,255	4,829	2,766	1,534	1,041	1,568	2,585	4,170	6,587	7,145	8,137
50%	4,269	3,591	4,256	2,329	1,004	890	871	1,859	3,711	5,533	6,733	7,965
60%	2,971	3,098	3,737	1,444	611	377	436	1,106	2,382	4,040	6,110	7,872
70%	1,970	2,580	3,358	732	226	224	297	783	1,851	3,408	5,856	3,337
80%	1,362	1,764	1,103	256	205	208	221	372	1,445	3,302	5,579	2,284
90%	1,307	942	192	213	200	197	194	260	1,168	2,986	5,542	1,845
Long Term												
Full Simulation Period[a]	4,432	4,691	4,236	2,411	1,694	1,198	1,369	2,348	3,910	5,412	6,911	6,318
Water Year Types[b]												
Wet (31%)	3,376	2,923	1,138	645	203	202	228	526	1,417	2,590	5,729	1,936
Above Normal (25%)	6,478	7,442	5,186	317	218	213	238	328	1,478	3,408	5,974	3,337
Below Normal (6%)	2,971	3,098	5,132	2,701	611	377	614	990	1,445	4,575	7,337	10,026
Dry (13%)	3,251	4,207	3,837	2,888	2,115	1,105	1,224	2,248	3,948	5,976	6,626	8,837
Critical (25%)	5,697	5,712	6,474	4,220	3,357	2,626	3,003	4,965	7,339	8,188	8,376	8,260

Alternative 4 H4 (LLT) minus Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-1,914	-1,339	-271	-1,175	-498	**622**	**713**	**1,252**	**1,209**	**542**	**788**	**33**
20%	-2,680	-2,157	-1,821	-799	-209	**872**	**937**	**444**	**390**	**1,658**	**671**	-663
30%	-3,721	-2,831	-2,748	-598	**287**	**401**	**631**	-228	**650**	**726**	**1,187**	-191
40%	-4,410	-4,053	-2,715	-275	-84	**328**	**675**	**1,044**	**1,103**	**1,621**	**1,412**	-167
50%	-4,755	-5,661	-1,230	**28**	**429**	**462**	**427**	**616**	**697**	**675**	**1,646**	**103**
60%	-5,005	-5,985	-992	-105	**308**	**143**	**124**	**402**	**355**	**530**	**1,223**	**388**
70%	-5,263	-3,734	-719	**65**	**17**	**22**	**24**	**408**	**461**	**770**	**1,114**	-3,880
80%	-5,595	-2,503	**496**	-11	**8**	**9**	-21	**27**	**523**	**1,161**	**937**	-4,309
90%	-615	-727	-1	**3**	**8**	**7**	-10	**42**	**673**	**1,075**	**1,113**	-2,095
Long Term												
Full Simulation Period[a]	-3,234	-2,713	-968	-315	**11**	**289**	**382**	**457**	**696**	**909**	**1,331**	-962
Water Year Types[b]												
Wet (31%)	-1,589	-1,052	-82	**28**	**11**	**11**	-7	**172**	**458**	**792**	**2,192**	-2,093
Above Normal (25%)	-3,733	-1,486	-950	-87	**9**	**12**	**7**	**21**	**682**	**1,282**	**1,232**	-3,360
Below Normal (6%)	-4,497	-5,985	-3,385	-744	**139**	**143**	**247**	**602**	-30	**1,065**	**2,442**	**1,723**
Dry (13%)	-4,776	-4,087	-1,971	-608	**84**	**439**	**495**	**577**	**729**	**886**	**1,188**	**1,048**
Critical (25%)	-2,863	-2,778	-397	-361	-70	**531**	**781**	**736**	**1,013**	**842**	**574**	-1,244

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-35-9. Sacramento River at Collinsville, Monthly EC

Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	10,394	10,358	8,432	6,076	4,870	2,011	2,270	4,392	6,806	7,799	7,948	9,554
20%	9,839	9,941	8,134	4,604	3,685	1,419	1,748	3,674	5,180	6,392	7,393	9,293
30%	9,634	9,531	8,085	3,955	1,676	1,154	1,076	2,872	4,026	5,912	6,456	8,642
40%	9,415	9,308	7,543	3,041	1,617	713	892	1,542	3,067	4,966	5,734	8,304
50%	9,024	9,252	5,486	2,301	575	427	444	1,243	3,014	4,859	5,087	7,861
60%	7,976	9,083	4,728	1,548	303	234	313	704	2,027	3,510	4,888	7,485
70%	7,234	6,314	4,077	667	209	202	273	375	1,390	2,638	4,742	7,217
80%	6,957	4,267	607	267	197	199	242	346	922	2,141	4,642	6,593
90%	1,923	1,669	193	210	192	191	204	218	495	1,911	4,429	3,940
Long Term												
Full Simulation Period[a]	7,666	7,404	5,204	2,726	1,682	909	987	1,891	3,213	4,503	5,580	7,280
Water Year Types[b]												
Wet (31%)	4,965	3,975	1,220	617	193	191	235	354	959	1,797	3,537	4,029
Above Normal (25%)	10,211	8,928	6,136	404	209	201	231	307	797	2,126	4,742	6,697
Below Normal (6%)	7,467	9,083	8,517	3,446	472	234	368	388	1,475	3,510	4,895	8,304
Dry (13%)	8,027	8,294	5,808	3,496	2,031	666	729	1,670	3,219	5,090	5,438	7,789
Critical (25%)	8,560	8,489	6,872	4,581	3,427	2,095	2,222	4,230	6,327	7,346	7,801	9,503

Alternative 5 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,205	8,910	8,219	4,884	4,222	3,007	2,910	5,517	7,913	8,451	8,999	9,572
20%	8,863	7,292	7,743	4,693	2,742	2,256	2,411	4,369	5,659	7,592	8,383	9,359
30%	7,735	6,889	5,354	3,616	2,462	1,767	1,809	2,684	4,831	6,549	7,620	8,921
40%	5,840	6,319	5,128	2,941	1,750	972	1,501	2,663	4,232	5,838	6,534	8,554
50%	5,407	5,663	4,668	2,830	1,217	911	881	2,322	3,671	5,120	6,074	8,088
60%	3,497	3,256	4,290	2,800	651	374	588	1,186	3,216	3,853	5,920	7,452
70%	2,317	2,613	3,703	722	210	205	405	1,160	2,525	3,555	5,741	3,244
80%	1,371	1,850	1,962	262	202	200	340	730	1,792	3,014	5,467	2,288
90%	1,330	950	200	206	193	195	210	315	1,239	2,829	5,325	1,748
Long Term												
Full Simulation Period[a]	5,141	4,989	4,548	2,560	1,709	1,261	1,380	2,498	4,088	5,228	6,772	6,400
Water Year Types[b]												
Wet (31%)	5,012	3,721	1,427	851	196	197	324	896	1,774	2,672	5,632	1,881
Above Normal (25%)	8,204	8,869	5,354	302	208	199	293	566	1,922	3,213	5,540	3,244
Below Normal (6%)	3,497	3,256	4,855	2,941	771	374	613	1,137	1,792	4,676	6,883	9,605
Dry (13%)	3,770	4,071	4,792	4,157	2,420	1,245	1,306	2,302	3,977	5,590	6,375	8,588
Critical (25%)	5,445	5,534	6,466	3,477	3,138	2,728	2,870	4,981	7,353	7,901	8,471	8,887

Alternative 5 (LLT) minus Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-1,188	-1,447	-213	-1,193	-648	**996**	**640**	**1,126**	**1,108**	**652**	**1,051**	**18**
20%	-976	-2,649	-391	**89**	-943	**837**	**663**	**695**	**478**	**1,200**	**990**	**66**
30%	-1,899	-2,641	-2,731	-339	**787**	**613**	**733**	-188	**806**	**637**	**1,163**	**280**
40%	-3,575	-2,989	-2,416	-100	**133**	**259**	**608**	**1,121**	**1,165**	**872**	**801**	**251**
50%	-3,617	-3,589	-818	**530**	**642**	**484**	**437**	**1,079**	**657**	**261**	**987**	**226**
60%	-4,479	-5,827	-439	**1,251**	**347**	**140**	**275**	**483**	**1,189**	**343**	**1,032**	-33
70%	-4,917	-3,700	-374	**55**	**1**	**4**	**132**	**785**	**1,135**	**917**	**999**	-3,973
80%	-5,586	-2,417	**1,355**	-4	**5**	**2**	**98**	**385**	**870**	**873**	**826**	-4,305
90%	-592	-719	**7**	-4	**1**	**5**	**6**	**97**	**744**	**918**	**896**	-2,192
Long Term												
Full Simulation Period[a]	-2,525	-2,415	-656	-165	**26**	**353**	**393**	**608**	**874**	**726**	**1,191**	-880
Water Year Types[b]												
Wet (31%)	**47**	-254	**207**	**234**	**3**	**5**	**90**	**542**	**815**	**875**	**2,095**	-2,148
Above Normal (25%)	-2,007	-59	-782	-102	-1	-2	**62**	**259**	**1,126**	**1,087**	**798**	-3,453
Below Normal (6%)	-3,970	-5,827	-3,661	-505	**299**	**140**	**245**	**749**	**317**	**1,166**	**1,988**	**1,301**
Dry (13%)	-4,257	-4,223	-1,016	**662**	**390**	**579**	**578**	**632**	**758**	**500**	**936**	**799**
Critical (25%)	-3,115	-2,956	-406	-1,104	-288	**633**	**648**	**752**	**1,027**	**555**	**670**	-616

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-35-10. Sacramento River at Collinsville, Monthly EC

Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	10,394	10,358	8,432	6,076	4,870	2,011	2,270	4,392	6,806	7,799	7,948	9,554
20%	9,839	9,941	8,134	4,604	3,685	1,419	1,748	3,674	5,180	6,392	7,393	9,293
30%	9,634	9,531	8,085	3,955	1,676	1,154	1,076	2,872	4,026	5,912	6,456	8,642
40%	9,415	9,308	7,543	3,041	1,617	713	892	1,542	3,067	4,966	5,734	8,304
50%	9,024	9,252	5,486	2,301	575	427	444	1,243	3,014	4,859	5,087	7,861
60%	7,976	9,083	4,728	1,548	303	234	313	704	2,027	3,510	4,888	7,485
70%	7,234	6,314	4,077	667	209	202	273	375	1,390	2,638	4,742	7,217
80%	6,957	4,267	607	267	197	199	242	346	922	2,141	4,642	6,593
90%	1,923	1,669	193	210	192	191	204	218	495	1,911	4,429	3,940
Long Term												
Full Simulation Period[a]	7,666	7,404	5,204	2,726	1,682	909	987	1,891	3,213	4,503	5,580	7,280
Water Year Types[b]												
Wet (31%)	4,965	3,975	1,220	617	193	191	235	354	959	1,797	3,537	4,029
Above Normal (25%)	10,211	8,928	6,136	404	209	201	231	307	797	2,126	4,742	6,697
Below Normal (6%)	7,467	9,083	8,517	3,446	472	234	368	388	1,475	3,510	4,895	8,304
Dry (13%)	8,027	8,294	5,808	3,496	2,031	666	729	1,670	3,219	5,090	5,438	7,789
Critical (25%)	8,560	8,489	6,872	4,581	3,427	2,095	2,222	4,230	6,327	7,346	7,801	9,503

Alternative 6A,6B,6C (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	6,469	6,208	3,980	2,530	2,785	1,984	2,653	4,781	6,814	8,924	8,311	7,179
20%	5,199	4,548	3,625	1,636	1,594	1,187	1,948	3,995	5,482	7,907	7,652	6,759
30%	4,324	3,831	2,898	1,569	929	964	1,351	2,596	4,593	7,335	7,160	5,989
40%	4,040	3,525	2,314	1,004	735	742	1,096	2,552	4,180	6,631	6,575	5,510
50%	3,796	3,064	1,742	846	456	519	726	2,044	3,663	6,128	5,898	5,100
60%	2,637	2,547	1,536	604	386	318	526	1,123	2,728	4,497	5,028	4,626
70%	1,947	1,792	1,267	411	240	228	371	885	2,023	3,369	4,077	3,105
80%	1,248	1,165	452	225	213	209	310	571	1,462	2,931	3,781	1,803
90%	1,211	811	193	214	203	198	234	294	1,069	2,640	3,647	1,432
Long Term												
Full Simulation Period[a]	3,577	3,184	2,206	1,307	1,071	887	1,208	2,246	3,706	5,547	5,738	4,660
Water Year Types[b]												
Wet (31%)	2,498	1,599	451	311	206	202	302	718	1,555	2,299	3,284	1,498
Above Normal (25%)	5,890	5,415	2,424	253	233	219	304	465	1,451	3,160	3,877	3,105
Below Normal (6%)	2,637	2,547	2,483	1,004	394	318	537	909	1,462	4,497	5,028	4,626
Dry (13%)	2,795	2,663	2,011	1,288	1,098	653	950	2,201	3,978	6,440	6,529	5,545
Critical (25%)	4,328	4,105	3,624	2,602	2,213	2,002	2,636	4,483	6,560	8,597	7,956	7,110

Alternative 6A,6B,6C (LLT) minus Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-3,924	-4,150	-4,453	-3,546	-2,085	-27	**383**	**389**	**8**	**1,125**	**364**	-2,375
20%	-4,640	-5,393	-4,509	-2,967	-2,091	-232	**199**	**321**	**302**	**1,516**	**260**	-2,534
30%	-5,310	-5,700	-5,186	-2,386	-747	-190	**275**	-276	**568**	**1,424**	**704**	-2,652
40%	-5,375	-5,784	-5,229	-2,037	-883	**28**	**204**	**1,010**	**1,114**	**1,665**	**841**	-2,794
50%	-5,228	-6,189	-3,744	-1,455	-119	**91**	**282**	**801**	**649**	**1,269**	**811**	-2,761
60%	-5,339	-6,536	-3,193	-944	**83**	**84**	**214**	**419**	**701**	**987**	**140**	-2,859
70%	-5,286	-4,522	-2,811	-256	**30**	**26**	**98**	**510**	**633**	**731**	-666	-4,112
80%	-5,709	-3,102	-155	-41	**15**	**11**	**68**	**226**	**541**	**790**	-861	-4,790
90%	-712	-858	-1	**4**	**11**	**8**	**30**	**76**	**574**	**729**	-782	-2,508
Long Term												
Full Simulation Period[a]	-4,089	-4,220	-2,997	-1,418	-611	-22	**221**	**355**	**492**	**1,045**	**158**	-2,621
Water Year Types[b]												
Wet (31%)	-2,467	-2,376	-768	-306	**13**	**11**	**67**	**364**	**596**	**502**	-253	-2,531
Above Normal (25%)	-4,321	-3,513	-3,712	-152	**23**	**18**	**73**	**157**	**655**	**1,035**	-865	-3,592
Below Normal (6%)	-4,830	-6,536	-6,033	-2,442	-78	**84**	**169**	**520**	-13	**987**	**133**	-3,678
Dry (13%)	-5,232	-5,631	-3,797	-2,208	-933	-14	**221**	**531**	**758**	**1,349**	**1,090**	-2,244
Critical (25%)	-4,232	-4,384	-3,247	-1,979	-1,214	-93	**414**	**253**	**233**	**1,251**	**155**	-2,393

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-35-11. Sacramento River at Collinsville, Monthly EC

Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	10,394	10,358	8,432	6,076	4,870	2,011	2,270	4,392	6,806	7,799	7,948	9,554
20%	9,839	9,941	8,134	4,604	3,685	1,419	1,748	3,674	5,180	6,392	7,393	9,293
30%	9,634	9,531	8,085	3,955	1,676	1,154	1,076	2,872	4,026	5,912	6,456	8,642
40%	9,415	9,308	7,543	3,041	1,617	713	892	1,542	3,067	4,966	5,734	8,304
50%	9,024	9,252	5,486	2,301	575	427	444	1,243	3,014	4,859	5,087	7,861
60%	7,976	9,083	4,728	1,548	303	234	313	704	2,027	3,510	4,888	7,485
70%	7,234	6,314	4,077	667	209	202	273	375	1,390	2,638	4,742	7,217
80%	6,957	4,267	607	267	197	199	242	346	922	2,141	4,642	6,593
90%	1,923	1,669	193	210	192	191	204	218	495	1,911	4,429	3,940
Long Term												
Full Simulation Period[a]	7,666	7,404	5,204	2,726	1,682	909	987	1,891	3,213	4,503	5,580	7,280
Water Year Types[b]												
Wet (31%)	4,965	3,975	1,220	617	193	191	235	354	959	1,797	3,537	4,029
Above Normal (25%)	10,211	8,928	6,136	404	209	201	231	307	797	2,126	4,742	6,697
Below Normal (6%)	7,467	9,083	8,517	3,446	472	234	368	388	1,475	3,510	4,895	8,304
Dry (13%)	8,027	8,294	5,808	3,496	2,031	666	729	1,670	3,219	5,090	5,438	7,789
Critical (25%)	8,560	8,489	6,872	4,581	3,427	2,095	2,222	4,230	6,327	7,346	7,801	9,503

Alternative 7 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	8,019	6,075	4,233	2,512	2,734	1,838	2,496	4,128	4,917	7,748	8,257	9,287
20%	7,014	4,570	3,683	1,596	1,557	1,163	1,891	3,819	4,388	6,974	7,774	9,023
30%	6,752	4,484	2,578	1,535	924	929	1,288	2,625	3,975	6,511	7,460	8,870
40%	6,571	4,036	2,197	1,060	700	730	1,086	2,505	3,853	6,233	6,315	8,711
50%	5,668	3,274	1,708	902	479	479	680	2,016	3,153	5,364	6,066	8,243
60%	2,760	2,601	1,619	656	349	316	503	1,110	2,438	4,125	5,797	8,132
70%	1,776	1,695	1,288	403	230	222	370	877	1,650	3,276	5,730	3,319
80%	1,288	1,241	475	217	203	207	308	575	1,277	3,062	5,672	2,351
90%	1,148	834	190	208	198	197	230	282	1,012	2,821	5,516	1,846
Long Term												
Full Simulation Period[a]	4,694	3,339	2,219	1,299	1,049	851	1,166	2,057	3,006	5,084	6,587	6,427
Water Year Types[b]												
Wet (31%)	3,528	1,673	470	321	201	202	302	719	1,344	2,615	5,791	1,961
Above Normal (25%)	7,952	5,229	2,137	245	221	212	302	456	1,177	2,977	5,704	3,319
Below Normal (6%)	2,760	2,743	2,501	1,060	432	316	503	874	1,515	4,730	6,315	8,213
Dry (13%)	2,977	2,740	2,001	1,296	1,079	622	911	2,180	3,650	5,683	6,098	8,997
Critical (25%)	6,083	4,515	3,769	2,555	2,157	1,916	2,540	3,907	4,850	7,493	8,021	8,829

Alternative 7 (LLT) minus Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-2,374	-4,283	-4,200	-3,565	-2,136	-172	**226**	-264	-1,889	-51	**310**	-267
20%	-2,825	-5,372	-4,450	-3,008	-2,128	-256	**142**	**145**	-792	**583**	**381**	-270
30%	-2,882	-5,046	-5,506	-2,420	-751	-225	**213**	-247	-51	**599**	**1,004**	**228**
40%	-2,844	-5,272	-5,347	-1,981	-918	**17**	**194**	**963**	**786**	**1,267**	**582**	**407**
50%	-3,355	-5,978	-3,778	-1,399	-96	**52**	**236**	**773**	**139**	**505**	**979**	**381**
60%	-5,216	-6,482	-3,110	-892	**46**	**82**	**191**	**407**	**411**	**615**	**909**	**647**
70%	-5,458	-4,619	-2,789	-264	**21**	**21**	**97**	**502**	**260**	**638**	**988**	-3,898
80%	-5,669	-3,026	-131	-50	**6**	**8**	**66**	**229**	**355**	**921**	**1,031**	-4,242
90%	-774	-835	-3	-2	**6**	**7**	**27**	**63**	**517**	**910**	**1,087**	-2,094
Long Term												
Full Simulation Period[a]	-2,972	-4,065	-2,985	-1,426	-634	-58	**179**	**167**	-208	**581**	**1,006**	-854
Water Year Types[b]												
Wet (31%)	-1,437	-2,302	-750	-296	**9**	**10**	**67**	**365**	**385**	**818**	**2,254**	-2,069
Above Normal (25%)	-2,259	-3,699	-3,999	-159	**12**	**11**	**71**	**149**	**380**	**851**	**962**	-3,378
Below Normal (6%)	-4,707	-6,341	-6,016	-2,385	-40	**82**	**136**	**485**	**39**	**1,220**	**1,420**	-91
Dry (13%)	-5,050	-5,554	-3,807	-2,200	-952	-44	**182**	**510**	**430**	**593**	**660**	**1,208**
Critical (25%)	-2,477	-3,975	-3,103	-2,026	-1,270	-178	**318**	-323	-1,477	**147**	**219**	-674

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-35-12. Sacramento River at Collinsville, Monthly EC

Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	10,394	10,358	8,432	6,076	4,870	2,011	2,270	4,392	6,806	7,799	7,948	9,554
20%	9,839	9,941	8,134	4,604	3,685	1,419	1,748	3,674	5,180	6,392	7,393	9,293
30%	9,634	9,531	8,085	3,955	1,676	1,154	1,076	2,872	4,026	5,912	6,456	8,642
40%	9,415	9,308	7,543	3,041	1,617	713	892	1,542	3,067	4,966	5,734	8,304
50%	9,024	9,252	5,486	2,301	575	427	444	1,243	3,014	4,859	5,087	7,861
60%	7,976	9,083	4,728	1,548	303	234	313	704	2,027	3,510	4,888	7,485
70%	7,234	6,314	4,077	667	209	202	273	375	1,390	2,638	4,742	7,217
80%	6,957	4,267	607	267	197	199	242	346	922	2,141	4,642	6,593
90%	1,923	1,669	193	210	192	191	204	218	495	1,911	4,429	3,940
Long Term												
Full Simulation Period[a]	7,666	7,404	5,204	2,726	1,682	909	987	1,891	3,213	4,503	5,580	7,280
Water Year Types[b]												
Wet (31%)	4,965	3,975	1,220	617	193	191	235	354	959	1,797	3,537	4,029
Above Normal (25%)	10,211	8,928	6,136	404	209	201	231	307	797	2,126	4,742	6,697
Below Normal (6%)	7,467	9,083	8,517	3,446	472	234	368	388	1,475	3,510	4,895	8,304
Dry (13%)	8,027	8,294	5,808	3,496	2,031	666	729	1,670	3,219	5,090	5,438	7,789
Critical (25%)	8,560	8,489	6,872	4,581	3,427	2,095	2,222	4,230	6,327	7,346	7,801	9,503

Alternative 8 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	8,771	6,771	4,197	2,510	2,445	1,193	1,759	3,302	4,548	7,637	8,181	9,771
20%	8,583	5,853	4,044	1,649	1,510	909	1,513	2,604	3,799	6,684	8,087	9,332
30%	7,148	4,340	2,815	1,373	710	714	761	2,347	3,651	6,527	7,773	9,052
40%	6,583	4,022	2,263	977	563	513	570	1,632	3,433	6,505	7,381	8,860
50%	6,373	3,306	1,730	775	402	342	495	1,353	2,968	5,731	7,074	8,735
60%	2,571	2,679	1,627	513	300	290	395	756	2,207	4,939	6,990	8,607
70%	1,828	2,100	1,335	386	226	223	302	587	1,545	3,231	6,055	3,311
80%	1,295	1,210	461	218	206	207	276	474	1,210	2,944	5,785	2,145
90%	1,201	846	190	207	196	197	223	254	1,005	2,828	5,572	1,856
Long Term												
Full Simulation Period[a]	4,947	3,564	2,294	1,263	966	697	912	1,638	2,817	5,155	6,982	6,632
Water Year Types[b]												
Wet (31%)	3,890	1,836	477	285	201	202	272	547	1,250	2,548	5,697	1,906
Above Normal (25%)	7,561	5,287	2,382	244	218	211	268	385	1,147	3,009	5,797	3,311
Below Normal (6%)	2,571	2,679	2,493	977	352	290	395	484	1,424	4,939	7,109	9,332
Dry (13%)	3,434	3,162	2,099	1,190	837	441	570	1,780	3,574	6,164	7,304	9,531
Critical (25%)	6,433	4,756	3,828	2,567	2,105	1,575	2,057	3,129	4,411	7,335	8,200	8,883

Alternative 8 (LLT) minus Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-1,623	-3,587	-4,236	-3,567	-2,424	-818	-511	-1,090	-2,257	-162	**234**	**217**
20%	-1,256	-4,088	-4,090	-2,955	-2,176	-510	-236	-1,070	-1,381	**293**	**694**	**39**
30%	-2,486	-5,191	-5,269	-2,582	-966	-440	-315	-525	-375	**615**	**1,317**	**410**
40%	-2,832	-5,286	-5,281	-2,064	-1,054	-201	-322	**91**	**366**	**1,539**	**1,648**	**557**
50%	-2,650	-5,946	-3,756	-1,526	-173	-85	**51**	**110**	-46	**873**	**1,987**	**874**
60%	-5,405	-6,404	-3,102	-1,035	-4	**56**	**82**	**52**	**180**	**1,429**	**2,102**	**1,123**
70%	-5,405	-4,214	-2,742	-281	**17**	**21**	**28**	**212**	**155**	**594**	**1,312**	-3,906
80%	-5,662	-3,057	-146	-49	**9**	**8**	**34**	**129**	**288**	**803**	**1,143**	-4,448
90%	-722	-823	-3	-3	**4**	**6**	**19**	**36**	**510**	**917**	**1,143**	-2,084
Long Term												
Full Simulation Period[a]	-2,719	-3,840	-2,910	-1,463	-716	-211	-75	-253	-397	**652**	**1,401**	-648
Water Year Types[b]												
Wet (31%)	-1,075	-2,139	-743	-332	**8**	**11**	**37**	**193**	**291**	**751**	**2,160**	-2,124
Above Normal (25%)	-2,650	-3,641	-3,754	-160	**9**	**10**	**37**	**78**	**350**	**883**	**1,055**	-3,386
Below Normal (6%)	-4,896	-6,404	-6,023	-2,468	-120	**56**	**27**	**96**	-51	**1,429**	**2,214**	**1,028**
Dry (13%)	-4,593	-5,132	-3,709	-2,305	-1,194	-226	-158	**110**	**354**	**1,074**	**1,866**	**1,741**
Critical (25%)	-2,127	-3,734	-3,043	-2,014	-1,322	-520	-165	-1,101	-1,916	-11	**398**	-620

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-35-13. Sacramento River at Collinsville, Monthly EC

Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	10,394	10,358	8,432	6,076	4,870	2,011	2,270	4,392	6,806	7,799	7,948	9,554
20%	9,839	9,941	8,134	4,604	3,685	1,419	1,748	3,674	5,180	6,392	7,393	9,293
30%	9,634	9,531	8,085	3,955	1,676	1,154	1,076	2,872	4,026	5,912	6,456	8,642
40%	9,415	9,308	7,543	3,041	1,617	713	892	1,542	3,067	4,966	5,734	8,304
50%	9,024	9,252	5,486	2,301	575	427	444	1,243	3,014	4,859	5,087	7,861
60%	7,976	9,083	4,728	1,548	303	234	313	704	2,027	3,510	4,888	7,485
70%	7,234	6,314	4,077	667	209	202	273	375	1,390	2,638	4,742	7,217
80%	6,957	4,267	607	267	197	199	242	346	922	2,141	4,642	6,593
90%	1,923	1,669	193	210	192	191	204	218	495	1,911	4,429	3,940
Long Term												
Full Simulation Period[a]	7,666	7,404	5,204	2,726	1,682	909	987	1,891	3,213	4,503	5,580	7,280
Water Year Types[b]												
Wet (31%)	4,965	3,975	1,220	617	193	191	235	354	959	1,797	3,537	4,029
Above Normal (25%)	10,211	8,928	6,136	404	209	201	231	307	797	2,126	4,742	6,697
Below Normal (6%)	7,467	9,083	8,517	3,446	472	234	368	388	1,475	3,510	4,895	8,304
Dry (13%)	8,027	8,294	5,808	3,496	2,031	666	729	1,670	3,219	5,090	5,438	7,789
Critical (25%)	8,560	8,489	6,872	4,581	3,427	2,095	2,222	4,230	6,327	7,346	7,801	9,503

Alternative 9 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	10,781	11,396	10,299	7,267	5,365	2,771	2,756	5,151	7,191	7,891	7,443	9,426
20%	10,250	10,275	9,334	4,625	4,077	2,195	1,873	4,095	5,508	7,390	7,198	9,260
30%	9,819	9,905	7,550	3,805	1,951	1,578	1,572	1,982	3,837	6,612	6,412	8,883
40%	9,435	9,826	5,762	3,247	1,665	988	1,208	1,740	3,329	6,332	6,372	8,825
50%	8,273	7,415	4,866	2,531	982	624	931	1,676	3,124	5,449	6,039	8,397
60%	3,305	3,389	4,543	2,327	453	275	728	1,490	2,802	4,819	5,775	7,985
70%	2,137	2,619	3,849	660	214	206	434	1,335	2,023	3,864	5,496	3,399
80%	1,338	1,749	1,677	262	199	196	340	828	1,795	2,549	5,320	2,137
90%	1,280	880	192	210	196	192	211	298	1,384	2,406	5,170	1,695
Long Term												
Full Simulation Period[a]	6,327	6,429	5,429	3,145	2,009	1,195	1,317	2,175	3,548	5,282	6,169	6,468
Water Year Types[b]												
Wet (31%)	4,808	4,028	1,581	734	195	192	358	982	1,540	2,550	5,359	1,772
Above Normal (25%)	10,487	10,720	7,550	338	212	203	301	607	1,827	2,981	5,226	3,399
Below Normal (6%)	3,305	3,389	5,147	2,646	499	275	740	1,415	1,795	4,819	6,451	9,260
Dry (13%)	4,059	4,908	5,439	4,007	2,193	922	1,063	1,631	3,301	6,031	6,206	8,790
Critical (25%)	8,298	8,459	7,708	5,606	4,332	2,798	2,808	4,344	6,391	7,881	7,109	9,038

Alternative 9 (LLT) minus Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	388	1,038	1,866	1,190	496	760	486	759	385	92	-504	-127
20%	411	333	1,201	21	391	776	125	421	327	999	-195	-34
30%	185	374	-534	-150	276	424	496	-890	-189	700	-44	242
40%	20	518	-1,781	206	47	275	315	199	262	1,366	638	522
50%	-751	-1,838	-620	231	407	197	487	432	110	590	952	535
60%	-4,671	-5,695	-186	778	150	41	415	787	775	1,309	887	500
70%	-5,097	-3,695	-228	-6	4	4	161	960	634	1,226	754	-3,818
80%	-5,619	-2,518	1,070	-4	1	-3	98	483	873	408	678	-4,455
90%	-643	-789	-1	0	3	2	7	80	889	494	741	-2,244
Long Term												
Full Simulation Period[a]	-1,339	-975	226	419	326	287	330	285	334	779	589	-812
Water Year Types[b]												
Wet (31%)	-157	53	362	117	3	1	124	628	581	752	1,822	-2,258
Above Normal (25%)	275	1,792	1,414	-67	3	1	70	300	1,030	855	484	-3,297
Below Normal (6%)	-4,162	-5,695	-3,370	-800	27	41	373	1,027	319	1,309	1,556	956
Dry (13%)	-3,968	-3,387	-369	511	162	256	334	-39	81	940	767	1,001
Critical (25%)	-262	-31	836	1,024	905	703	586	114	64	535	-692	-465

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-35-14. Sacramento River at Collinsville, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,466	10,474	9,351	5,249	5,178	2,997	2,669	4,898	7,206	7,349	8,047	9,919
20%	8,689	9,043	8,149	4,689	2,537	2,061	2,435	3,800	5,094	5,689	6,863	9,582
30%	8,482	8,831	6,659	3,627	2,154	1,528	1,635	2,426	4,021	5,603	6,436	9,224
40%	8,079	8,575	4,758	3,066	1,968	826	1,146	2,371	3,773	5,167	5,804	8,710
50%	7,701	6,421	4,566	2,892	1,149	668	702	1,948	3,137	4,434	4,835	8,565
60%	3,458	3,614	4,452	1,962	482	293	473	1,073	2,548	2,648	4,582	7,862
70%	2,294	2,798	3,854	720	205	200	319	903	2,292	2,245	4,374	3,305
80%	1,300	1,746	1,710	254	200	199	284	531	1,587	2,024	4,325	2,180
90%	1,279	866	204	205	190	193	204	267	1,173	1,498	4,171	1,579
Long Term												
Full Simulation Period[a]	5,753	5,817	4,876	2,744	1,863	1,159	1,251	2,209	3,621	4,217	5,596	6,608
Water Year Types[b]												
Wet (31%)	4,787	3,915	1,316	641	192	194	283	709	1,563	1,702	4,210	1,691
Above Normal (25%)	8,825	8,910	6,415	391	205	197	254	432	1,710	1,925	4,247	3,305
Below Normal (6%)	3,458	3,614	5,247	3,016	665	293	511	893	1,587	4,363	5,804	8,710
Dry (13%)	3,597	4,406	4,692	4,020	2,360	984	1,128	2,048	3,479	4,502	5,279	8,590
Critical (25%)	7,480	7,672	7,181	4,293	3,705	2,628	2,671	4,511	6,552	6,889	7,458	9,856

Alternative 1A,1B,1C (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	8,850	9,099	8,022	5,096	3,683	2,895	3,110	5,845	8,101	8,512	9,060	9,897
20%	8,585	8,737	7,643	4,398	3,077	2,375	2,802	4,449	5,469	7,998	8,022	9,494
30%	7,855	7,516	6,781	3,514	2,781	1,566	1,829	2,854	4,767	6,712	7,813	9,291
40%	7,395	6,903	6,472	2,983	1,854	1,161	1,522	2,736	3,697	6,471	7,367	9,022
50%	6,083	6,240	5,904	2,908	1,190	1,072	1,219	2,618	3,333	5,397	6,562	8,741
60%	5,925	5,322	5,349	2,514	615	326	836	2,388	3,293	3,563	6,040	8,560
70%	4,599	4,810	4,424	866	238	228	406	1,250	2,719	3,386	5,847	8,448
80%	3,381	4,050	2,398	360	212	209	358	1,149	2,260	3,156	5,594	7,547
90%	2,811	1,864	212	220	207	198	234	398	1,200	2,875	5,433	6,698
Long Term												
Full Simulation Period[a]	6,069	5,971	5,069	2,665	1,734	1,248	1,495	2,729	4,067	5,312	6,908	8,370
Water Year Types[b]												
Wet (31%)	4,829	3,097	1,237	901	208	202	391	1,170	1,753	2,552	5,699	7,518
Above Normal (25%)	6,429	7,431	5,910	371	229	219	331	850	2,164	3,359	5,908	8,791
Below Normal (6%)	3,091	4,450	6,886	3,263	615	326	1,049	2,388	2,260	5,074	7,624	10,054
Dry (13%)	7,877	7,922	5,891	3,401	2,356	1,251	1,312	2,328	3,676	5,561	6,365	8,256
Critical (25%)	6,066	6,429	6,777	4,286	3,283	2,679	3,077	5,117	7,353	8,150	8,566	8,638

Alternative 1A,1B,1C (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-616	-1,375	-1,329	-153	-1,495	-102	**441**	**947**	**895**	**1,163**	**1,013**	-23
20%	-104	-306	-506	-291	**541**	**314**	**367**	**650**	**374**	**2,309**	**1,159**	-88
30%	-627	-1,314	**122**	-113	**627**	**37**	**194**	**428**	**746**	**1,109**	**1,377**	**67**
40%	-684	-1,672	**1,713**	-83	-115	**335**	**376**	**364**	-77	**1,304**	**1,562**	**312**
50%	-1,617	-181	**1,338**	**17**	**41**	**404**	**517**	**670**	**196**	**963**	**1,727**	**176**
60%	**2,467**	**1,708**	**897**	**553**	**133**	**33**	**363**	**1,315**	**745**	**915**	**1,458**	**698**
70%	**2,305**	**2,012**	**570**	**146**	**33**	**28**	**87**	**346**	**427**	**1,140**	**1,474**	**5,143**
80%	**2,081**	**2,304**	**688**	**106**	**12**	**10**	**75**	**618**	**673**	**1,132**	**1,269**	**5,367**
90%	**1,532**	**997**	**7**	**15**	**18**	**5**	**30**	**131**	**27**	**1,376**	**1,262**	**5,119**
Long Term												
Full Simulation Period[a]	**316**	**154**	**193**	-79	-129	**90**	**244**	**520**	**446**	**1,095**	**1,311**	**1,762**
Water Year Types[b]												
Wet (31%)	**42**	-818	-78	**260**	**17**	**9**	**108**	**460**	**190**	**850**	**1,489**	**5,827**
Above Normal (25%)	-2,396	-1,479	-505	-20	**24**	**22**	**78**	**418**	**453**	**1,434**	**1,661**	**5,486**
Below Normal (6%)	-367	**836**	**1,639**	**248**	-50	**33**	**538**	**1,495**	**673**	**711**	**1,820**	**1,344**
Dry (13%)	**4,279**	**3,517**	**1,198**	-619	-4	**267**	**185**	**280**	**197**	**1,059**	**1,086**	-334
Critical (25%)	-1,413	-1,243	-404	-7	-422	**51**	**406**	**605**	**801**	**1,261**	**1,107**	-1,218

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-35-15. Sacramento River at Collinsville, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,466	10,474	9,351	5,249	5,178	2,997	2,669	4,898	7,206	7,349	8,047	9,919
20%	8,689	9,043	8,149	4,689	2,537	2,061	2,435	3,800	5,094	5,689	6,863	9,582
30%	8,482	8,831	6,659	3,627	2,154	1,528	1,635	2,426	4,021	5,603	6,436	9,224
40%	8,079	8,575	4,758	3,066	1,968	826	1,146	2,371	3,773	5,167	5,804	8,710
50%	7,701	6,421	4,566	2,892	1,149	668	702	1,948	3,137	4,434	4,835	8,565
60%	3,458	3,614	4,452	1,962	482	293	473	1,073	2,548	2,648	4,582	7,862
70%	2,294	2,798	3,854	720	205	200	319	903	2,292	2,245	4,374	3,305
80%	1,300	1,746	1,710	254	200	199	284	531	1,587	2,024	4,325	2,180
90%	1,279	866	204	205	190	193	204	267	1,173	1,498	4,171	1,579
Long Term												
Full Simulation Period[a]	5,753	5,817	4,876	2,744	1,863	1,159	1,251	2,209	3,621	4,217	5,596	6,608
Water Year Types[b]												
Wet (31%)	4,787	3,915	1,316	641	192	194	283	709	1,563	1,702	4,210	1,691
Above Normal (25%)	8,825	8,910	6,415	391	205	197	254	432	1,710	1,925	4,247	3,305
Below Normal (6%)	3,458	3,614	5,247	3,016	665	293	511	893	1,587	4,363	5,804	8,710
Dry (13%)	3,597	4,406	4,692	4,020	2,360	984	1,128	2,048	3,479	4,502	5,279	8,590
Critical (25%)	7,480	7,672	7,181	4,293	3,705	2,628	2,671	4,511	6,552	6,889	7,458	9,856

Alternative 2A,2B,2C (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	8,298	9,484	7,380	3,731	3,881	2,664	3,088	5,839	8,127	8,612	8,924	9,787
20%	6,019	7,299	5,687	3,087	2,698	2,296	2,745	4,320	5,636	8,116	8,347	9,602
30%	5,784	6,304	5,256	2,830	1,687	1,579	1,898	2,562	4,668	6,483	7,795	8,971
40%	5,404	5,682	4,956	2,725	1,520	1,304	1,579	2,510	3,704	6,178	6,751	8,317
50%	4,711	4,586	4,286	2,281	1,093	906	888	2,152	3,362	5,458	6,568	7,965
60%	3,016	3,077	3,966	1,491	664	437	603	1,150	3,228	3,496	6,203	6,574
70%	1,980	2,553	3,384	752	238	229	388	1,130	2,222	3,264	5,702	3,323
80%	1,372	1,781	1,145	280	212	210	333	685	1,756	3,161	5,571	2,309
90%	1,331	935	206	219	204	198	235	309	1,153	2,882	5,466	1,879
Long Term												
Full Simulation Period[a]	4,436	4,805	4,156	2,036	1,514	1,223	1,439	2,478	3,968	5,276	6,909	6,397
Water Year Types[b]												
Wet (31%)	3,309	3,313	1,160	649	207	203	327	877	1,730	2,597	5,755	1,959
Above Normal (25%)	6,496	7,585	5,321	347	231	219	324	527	1,632	3,113	5,639	3,323
Below Normal (6%)	3,016	3,077	5,101	2,725	778	437	648	1,150	1,756	4,881	7,537	9,937
Dry (13%)	3,258	4,228	3,636	2,822	2,083	1,221	1,293	2,132	3,655	5,624	6,578	8,529
Critical (25%)	5,739	5,694	6,314	3,057	2,767	2,598	3,051	5,080	7,385	8,086	8,480	8,765

Alternative 2A,2B,2C (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-1,168	-990	-1,971	-1,518	-1,297	-333	**419**	**940**	**920**	**1,263**	**877**	-132
20%	-2,670	-1,744	-2,462	-1,602	**161**	**235**	**310**	**520**	**542**	**2,427**	**1,485**	**19**
30%	-2,698	-2,527	-1,404	-796	-467	**51**	**262**	**136**	**647**	**880**	**1,359**	-253
40%	-2,674	-2,893	**198**	-341	-449	**478**	**433**	**139**	-69	**1,011**	**946**	-393
50%	-2,990	-1,835	-280	-610	-56	**238**	**186**	**204**	**225**	**1,024**	**1,733**	-600
60%	-442	-537	-487	-470	**181**	**143**	**130**	**78**	**680**	**848**	**1,621**	-1,287
70%	-314	-245	-470	**32**	**33**	**29**	**69**	**227**	-70	**1,019**	**1,328**	**18**
80%	**73**	**35**	-565	**26**	**12**	**11**	**50**	**154**	**169**	**1,137**	**1,246**	**130**
90%	**52**	**69**	**2**	**14**	**15**	**5**	**30**	**42**	-21	**1,384**	**1,295**	**300**
Long Term												
Full Simulation Period[a]	-1,317	-1,012	-720	-708	-348	**64**	**189**	**269**	**347**	**1,059**	**1,313**	-210
Water Year Types[b]												
Wet (31%)	-1,478	-602	-156	**8**	**15**	**9**	**44**	**168**	**167**	**895**	**1,545**	**268**
Above Normal (25%)	-2,329	-1,324	-1,094	-44	**25**	**22**	**70**	**95**	-78	**1,188**	**1,392**	**18**
Below Normal (6%)	-442	-537	-146	-291	**113**	**143**	**138**	**257**	**169**	**518**	**1,732**	**1,227**
Dry (13%)	-340	-178	-1,057	-1,198	-277	**238**	**165**	**84**	**176**	**1,122**	**1,299**	-61
Critical (25%)	-1,741	-1,978	-867	-1,237	-938	-30	**381**	**569**	**833**	**1,198**	**1,022**	-1,091

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-35-16. Sacramento River at Collinsville, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,466	10,474	9,351	5,249	5,178	2,997	2,669	4,898	7,206	7,349	8,047	9,919
20%	8,689	9,043	8,149	4,689	2,537	2,061	2,435	3,800	5,094	5,689	6,863	9,582
30%	8,482	8,831	6,659	3,627	2,154	1,528	1,635	2,426	4,021	5,603	6,436	9,224
40%	8,079	8,575	4,758	3,066	1,968	826	1,146	2,371	3,773	5,167	5,804	8,710
50%	7,701	6,421	4,566	2,892	1,149	668	702	1,948	3,137	4,434	4,835	8,565
60%	3,458	3,614	4,452	1,962	482	293	473	1,073	2,548	2,648	4,582	7,862
70%	2,294	2,798	3,854	720	205	200	319	903	2,292	2,245	4,374	3,305
80%	1,300	1,746	1,710	254	200	199	284	531	1,587	2,024	4,325	2,180
90%	1,279	866	204	205	190	193	204	267	1,173	1,498	4,171	1,579
Long Term												
Full Simulation Period[a]	5,753	5,817	4,876	2,744	1,863	1,159	1,251	2,209	3,621	4,217	5,596	6,608
Water Year Types[b]												
Wet (31%)	4,787	3,915	1,316	641	192	194	283	709	1,563	1,702	4,210	1,691
Above Normal (25%)	8,825	8,910	6,415	391	205	197	254	432	1,710	1,925	4,247	3,305
Below Normal (6%)	3,458	3,614	5,247	3,016	665	293	511	893	1,587	4,363	5,804	8,710
Dry (13%)	3,597	4,406	4,692	4,020	2,360	984	1,128	2,048	3,479	4,502	5,279	8,590
Critical (25%)	7,480	7,672	7,181	4,293	3,705	2,628	2,671	4,511	6,552	6,889	7,458	9,856

Alternative 3 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,024	8,741	8,215	4,397	3,745	2,862	3,143	5,990	7,994	8,469	9,068	9,735
20%	8,598	8,447	7,867	4,242	3,214	2,361	2,792	4,439	5,398	7,956	7,808	9,567
30%	7,935	7,846	7,043	3,692	2,650	1,431	1,825	2,848	4,731	6,509	7,640	9,378
40%	7,153	6,958	6,115	3,335	1,897	992	1,543	2,774	3,694	6,371	7,082	9,087
50%	5,721	6,062	5,606	2,813	1,134	958	1,209	2,633	3,520	5,452	6,533	8,772
60%	5,381	5,196	5,465	2,329	680	316	842	2,384	3,318	3,567	5,996	8,397
70%	4,014	4,879	4,251	783	216	212	420	1,272	2,783	3,458	5,752	8,120
80%	3,210	3,597	2,386	315	206	205	376	1,177	2,255	3,155	5,605	7,536
90%	2,796	1,910	203	208	195	196	218	423	1,205	2,846	5,528	7,010
Long Term												
Full Simulation Period[a]	5,932	5,843	5,117	2,492	1,620	1,213	1,503	2,760	4,078	5,311	6,881	8,360
Water Year Types[b]												
Wet (31%)	4,680	3,628	1,303	735	199	200	401	1,182	1,802	2,576	5,689	7,363
Above Normal (25%)	6,236	6,731	5,572	359	211	203	314	878	2,181	3,361	5,832	8,662
Below Normal (6%)	4,038	5,023	7,198	3,335	682	316	1,046	2,384	2,255	5,113	7,577	10,161
Dry (13%)	7,945	7,741	5,814	3,611	2,299	1,119	1,297	2,345	3,751	5,537	6,442	8,453
Critical (25%)	5,581	5,906	7,013	3,686	2,966	2,684	3,117	5,182	7,285	8,139	8,466	8,601

Alternative 3 (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-442	-1,732	-1,136	-852	-1,433	-136	**474**	**1,092**	**787**	**1,120**	**1,020**	-184
20%	-90	-595	-282	-447	**678**	**301**	**357**	**639**	**303**	**2,267**	**946**	-16
30%	-546	-985	**384**	**66**	**496**	-97	**189**	**423**	**711**	**906**	**1,204**	**154**
40%	-925	-1,617	**1,357**	**269**	-72	**166**	**397**	**403**	-79	**1,204**	**1,278**	**377**
50%	-1,980	-358	**1,040**	-79	-15	**290**	**507**	**685**	**383**	**1,018**	**1,698**	**208**
60%	**1,923**	**1,582**	**1,013**	**367**	**198**	**23**	**369**	**1,312**	**770**	**919**	**1,414**	**536**
70%	**1,720**	**2,081**	**397**	**62**	**11**	**12**	**101**	**369**	**491**	**1,213**	**1,378**	**4,815**
80%	**1,910**	**1,851**	**676**	**61**	**6**	**5**	**93**	**646**	**668**	**1,132**	**1,280**	**5,356**
90%	**1,517**	**1,044**	-1	**3**	**5**	**3**	**14**	**156**	**32**	**1,348**	**1,356**	**5,431**
Long Term												
Full Simulation Period[a]	**179**	**26**	**241**	-253	-243	**55**	**252**	**551**	**457**	**1,094**	**1,285**	**1,752**
Water Year Types[b]												
Wet (31%)	-108	-287	-13	**94**	**7**	**6**	**118**	**472**	**239**	**874**	**1,480**	**5,672**
Above Normal (25%)	-2,589	-2,179	-843	-33	**6**	**6**	**60**	**446**	**471**	**1,436**	**1,585**	**5,357**
Below Normal (6%)	**580**	**1,409**	**1,951**	**320**	**17**	**23**	**535**	**1,491**	**668**	**750**	**1,773**	**1,451**
Dry (13%)	**4,347**	**3,335**	**1,122**	-409	-61	**135**	**169**	**297**	**272**	**1,035**	**1,164**	-137
Critical (25%)	-1,898	-1,766	-168	-607	-739	**56**	**446**	**670**	**733**	**1,250**	**1,007**	-1,255

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-35-17. Sacramento River at Collinsville, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,466	10,474	9,351	5,249	5,178	2,997	2,669	4,898	7,206	7,349	8,047	9,919
20%	8,689	9,043	8,149	4,689	2,537	2,061	2,435	3,800	5,094	5,689	6,863	9,582
30%	8,482	8,831	6,659	3,627	2,154	1,528	1,635	2,426	4,021	5,603	6,436	9,224
40%	8,079	8,575	4,758	3,066	1,968	826	1,146	2,371	3,773	5,167	5,804	8,710
50%	7,701	6,421	4,566	2,892	1,149	668	702	1,948	3,137	4,434	4,835	8,565
60%	3,458	3,614	4,452	1,962	482	293	473	1,073	2,548	2,648	4,582	7,862
70%	2,294	2,798	3,854	720	205	200	319	903	2,292	2,245	4,374	3,305
80%	1,300	1,746	1,710	254	200	199	284	531	1,587	2,024	4,325	2,180
90%	1,279	866	204	205	190	193	204	267	1,173	1,498	4,171	1,579
Long Term												
Full Simulation Period[a]	5,753	5,817	4,876	2,744	1,863	1,159	1,251	2,209	3,621	4,217	5,596	6,608
Water Year Types[b]												
Wet (31%)	4,787	3,915	1,316	641	192	194	283	709	1,563	1,702	4,210	1,691
Above Normal (25%)	8,825	8,910	6,415	391	205	197	254	432	1,710	1,925	4,247	3,305
Below Normal (6%)	3,458	3,614	5,247	3,016	665	293	511	893	1,587	4,363	5,804	8,710
Dry (13%)	3,597	4,406	4,692	4,020	2,360	984	1,128	2,048	3,479	4,502	5,279	8,590
Critical (25%)	7,480	7,672	7,181	4,293	3,705	2,628	2,671	4,511	6,552	6,889	7,458	9,856

Alternative 4 H1 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	8,274	9,809	8,215	3,501	3,664	2,585	3,116	5,751	8,122	8,636	8,974	9,702
20%	7,496	7,538	7,319	3,114	2,262	2,367	2,780	4,334	5,391	7,955	8,304	9,433
30%	6,735	6,983	6,355	2,925	1,862	1,555	1,794	2,662	4,668	6,557	7,635	9,175
40%	6,130	6,431	5,764	2,265	1,473	1,026	1,614	2,534	4,178	6,362	7,097	8,928
50%	5,946	6,194	5,601	1,960	982	915	857	2,215	3,439	5,207	6,433	8,809
60%	5,750	5,935	5,098	1,357	661	360	603	1,154	3,237	3,571	5,840	8,223
70%	5,437	5,025	3,889	745	226	223	403	1,122	2,219	3,353	5,747	8,142
80%	4,705	4,494	973	267	205	208	332	706	1,592	3,159	5,565	7,930
90%	4,128	2,335	196	211	197	197	232	303	1,161	2,687	5,480	6,306
Long Term												
Full Simulation Period[a]	6,044	6,032	4,780	2,089	1,526	1,196	1,433	2,492	3,984	5,286	6,859	8,234
Water Year Types[b]												
Wet (31%)	4,535	3,268	1,134	612	201	202	327	871	1,722	2,580	5,667	7,483
Above Normal (25%)	6,718	7,763	5,431	328	218	212	323	538	1,657	3,087	5,596	8,532
Below Normal (6%)	4,544	5,299	7,319	3,135	693	360	622	1,154	1,592	4,727	7,495	9,945
Dry (13%)	7,004	7,070	5,237	2,843	2,039	1,150	1,273	2,212	3,812	5,514	6,386	7,788
Critical (25%)	6,514	6,868	6,564	3,162	2,866	2,590	3,051	5,061	7,339	8,258	8,569	8,731

Alternative 4 H1 (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-1,192	-665	-1,136	-1,748	-1,514	-412	**447**	**853**	**915**	**1,287**	**927**	-218
20%	-1,193	-1,505	-830	-1,576	-275	**307**	**345**	**534**	**297**	**2,266**	**1,442**	-150
30%	-1,747	-1,848	-305	-702	-292	**26**	**159**	**236**	**647**	**954**	**1,199**	-50
40%	-1,949	-2,145	**1,006**	-801	-496	**200**	**468**	**162**	**405**	**1,195**	**1,293**	**218**
50%	-1,755	-227	**1,035**	-931	-167	**248**	**155**	**267**	**302**	**774**	**1,598**	**244**
60%	**2,292**	**2,321**	**645**	-605	**179**	**66**	**130**	**81**	**689**	**923**	**1,258**	**362**
70%	**3,143**	**2,227**	**35**	**24**	**21**	**23**	**84**	**219**	-73	**1,108**	**1,374**	**4,837**
80%	**3,405**	**2,748**	-737	**13**	**5**	**9**	**48**	**175**	**5**	**1,135**	**1,240**	**5,751**
90%	**2,849**	**1,469**	-9	**6**	**7**	**4**	**27**	**36**	-12	**1,189**	**1,309**	**4,727**
Long Term												
Full Simulation Period[a]	**291**	**215**	-96	-655	-337	**38**	**182**	**283**	**363**	**1,069**	**1,263**	**1,626**
Water Year Types[b]												
Wet (31%)	-252	-647	-182	-29	**10**	**9**	**44**	**161**	**159**	**878**	**1,457**	**5,792**
Above Normal (25%)	-2,107	-1,146	-984	-63	**12**	**15**	**69**	**106**	-53	**1,161**	**1,349**	**5,227**
Below Normal (6%)	**1,086**	**1,685**	**2,071**	**120**	**27**	**66**	**112**	**261**	**5**	**364**	**1,691**	**1,236**
Dry (13%)	**3,407**	**2,665**	**545**	-1,178	-321	**166**	**145**	**164**	**334**	**1,012**	**1,108**	-802
Critical (25%)	-965	-804	-617	-1,131	-839	-38	**381**	**550**	**787**	**1,370**	**1,110**	-1,125

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-35-18. Sacramento River at Collinsville, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,466	10,474	9,351	5,249	5,178	2,997	2,669	4,898	7,206	7,349	8,047	9,919
20%	8,689	9,043	8,149	4,689	2,537	2,061	2,435	3,800	5,094	5,689	6,863	9,582
30%	8,482	8,831	6,659	3,627	2,154	1,528	1,635	2,426	4,021	5,603	6,436	9,224
40%	8,079	8,575	4,758	3,066	1,968	826	1,146	2,371	3,773	5,167	5,804	8,710
50%	7,701	6,421	4,566	2,892	1,149	668	702	1,948	3,137	4,434	4,835	8,565
60%	3,458	3,614	4,452	1,962	482	293	473	1,073	2,548	2,648	4,582	7,862
70%	2,294	2,798	3,854	720	205	200	319	903	2,292	2,245	4,374	3,305
80%	1,300	1,746	1,710	254	200	199	284	531	1,587	2,024	4,325	2,180
90%	1,279	866	204	205	190	193	204	267	1,173	1,498	4,171	1,579
Long Term												
Full Simulation Period[a]	5,753	5,817	4,876	2,744	1,863	1,159	1,251	2,209	3,621	4,217	5,596	6,608
Water Year Types[b]												
Wet (31%)	4,787	3,915	1,316	641	192	194	283	709	1,563	1,702	4,210	1,691
Above Normal (25%)	8,825	8,910	6,415	391	205	197	254	432	1,710	1,925	4,247	3,305
Below Normal (6%)	3,458	3,614	5,247	3,016	665	293	511	893	1,587	4,363	5,804	8,710
Dry (13%)	3,597	4,406	4,692	4,020	2,360	984	1,128	2,048	3,479	4,502	5,279	8,590
Critical (25%)	7,480	7,672	7,181	4,293	3,705	2,628	2,671	4,511	6,552	6,889	7,458	9,856

Alternative 4 H2 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	8,195	9,677	8,273	4,314	3,676	2,531	2,895	5,680	8,034	8,342	8,860	9,814
20%	7,867	8,367	7,623	3,823	2,436	2,016	2,708	4,116	5,569	8,117	8,598	9,573
30%	6,661	7,442	7,117	3,198	1,942	1,498	1,726	2,648	4,656	6,554	7,571	9,016
40%	6,514	6,596	6,913	2,711	1,518	1,062	1,614	2,579	4,183	6,275	7,118	8,864
50%	6,359	6,028	5,671	2,259	1,070	890	843	1,854	3,658	5,544	6,632	8,494
60%	5,442	5,408	4,890	1,180	610	341	436	1,046	2,336	4,075	6,090	8,140
70%	5,112	4,791	3,811	714	228	225	299	783	1,891	3,414	5,820	8,016
80%	4,470	3,874	862	256	205	207	221	372	1,576	3,387	5,663	7,877
90%	3,694	2,155	193	211	198	197	194	259	1,173	2,991	5,538	7,445
Long Term												
Full Simulation Period[a]	5,979	6,006	4,975	2,154	1,515	1,149	1,353	2,346	3,913	5,426	6,937	8,311
Water Year Types[b]												
Wet (31%)	4,645	3,181	1,151	642	202	202	229	511	1,407	2,615	5,732	7,066
Above Normal (25%)	6,625	7,644	5,174	311	220	215	238	327	1,476	3,410	5,958	8,503
Below Normal (6%)	8,058	8,367	7,200	2,711	610	341	599	989	1,668	4,882	7,560	9,947
Dry (13%)	6,570	6,871	5,578	3,267	2,179	1,111	1,224	2,243	3,923	5,847	6,519	8,764
Critical (25%)	5,898	6,446	7,027	3,100	2,734	2,471	2,954	4,978	7,335	8,251	8,502	8,541

Alternative 4 H2 (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-1,271	-796	-1,078	-935	-1,501	-466	**226**	**782**	**828**	**993**	**813**	-105
20%	-822	-676	-526	-866	-100	-45	**273**	**316**	**474**	**2,428**	**1,735**	-10
30%	-1,821	-1,389	**458**	-429	-213	-30	**91**	**222**	**636**	**951**	**1,135**	-208
40%	-1,564	-1,979	**2,155**	-355	-451	**236**	**467**	**208**	**409**	**1,108**	**1,313**	**154**
50%	-1,342	-393	**1,105**	-632	-79	**222**	**141**	-94	**521**	**1,110**	**1,797**	-70
60%	**1,984**	**1,794**	**438**	-781	**128**	**48**	-37	-26	-212	**1,427**	**1,508**	**278**
70%	**2,818**	**1,994**	-43	-6	**23**	**26**	-21	-121	-401	**1,169**	**1,446**	**4,711**
80%	**3,170**	**2,127**	-847	**3**	**5**	**8**	-63	-159	-11	**1,363**	**1,338**	**5,697**
90%	**2,415**	**1,289**	-11	**6**	**9**	**4**	-10	-8	-1	**1,493**	**1,367**	**5,866**
Long Term												
Full Simulation Period[a]	**226**	**188**	**99**	-590	-347	-10	**102**	**138**	**292**	**1,209**	**1,341**	**1,703**
Water Year Types[b]												
Wet (31%)	-142	-734	-165	**1**	**11**	**9**	-54	-198	-156	**913**	**1,523**	**5,375**
Above Normal (25%)	-2,200	-1,266	-1,241	-80	**14**	**18**	-15	-105	-234	**1,485**	**1,711**	**5,198**
Below Normal (6%)	**4,600**	**4,753**	**1,953**	-304	-55	**48**	**88**	**96**	**81**	**519**	**1,756**	**1,237**
Dry (13%)	**2,973**	**2,466**	**886**	-754	-181	**127**	**96**	**195**	**444**	**1,345**	**1,241**	**174**
Critical (25%)	-1,581	-1,226	-154	-1,194	-970	-157	**283**	**466**	**783**	**1,362**	**1,044**	-1,315

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-35-19. Sacramento River at Collinsville, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,466	10,474	9,351	5,249	5,178	2,997	2,669	4,898	7,206	7,349	8,047	9,919
20%	8,689	9,043	8,149	4,689	2,537	2,061	2,435	3,800	5,094	5,689	6,863	9,582
30%	8,482	8,831	6,659	3,627	2,154	1,528	1,635	2,426	4,021	5,603	6,436	9,224
40%	8,079	8,575	4,758	3,066	1,968	826	1,146	2,371	3,773	5,167	5,804	8,710
50%	7,701	6,421	4,566	2,892	1,149	668	702	1,948	3,137	4,434	4,835	8,565
60%	3,458	3,614	4,452	1,962	482	293	473	1,073	2,548	2,648	4,582	7,862
70%	2,294	2,798	3,854	720	205	200	319	903	2,292	2,245	4,374	3,305
80%	1,300	1,746	1,710	254	200	199	284	531	1,587	2,024	4,325	2,180
90%	1,279	866	204	205	190	193	204	267	1,173	1,498	4,171	1,579
Long Term												
Full Simulation Period[a]	5,753	5,817	4,876	2,744	1,863	1,159	1,251	2,209	3,621	4,217	5,596	6,608
Water Year Types[b]												
Wet (31%)	4,787	3,915	1,316	641	192	194	283	709	1,563	1,702	4,210	1,691
Above Normal (25%)	8,825	8,910	6,415	391	205	197	254	432	1,710	1,925	4,247	3,305
Below Normal (6%)	3,458	3,614	5,247	3,016	665	293	511	893	1,587	4,363	5,804	8,710
Dry (13%)	3,597	4,406	4,692	4,020	2,360	984	1,128	2,048	3,479	4,502	5,279	8,590
Critical (25%)	7,480	7,672	7,181	4,293	3,705	2,628	2,671	4,511	6,552	6,889	7,458	9,856

Alternative 4 H3 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	8,363	9,554	6,854	3,717	4,091	2,650	3,088	5,823	8,144	8,682	8,913	9,593
20%	7,904	8,123	5,371	3,091	2,693	2,389	2,763	4,321	5,638	8,115	8,517	9,256
30%	6,616	6,863	5,273	2,790	1,908	1,583	1,896	2,573	4,675	6,806	7,825	8,888
40%	5,709	6,355	4,813	2,726	1,464	1,081	1,569	2,513	3,824	6,284	7,409	8,460
50%	4,657	4,220	4,286	1,891	1,009	889	882	2,176	3,447	5,355	6,413	7,764
60%	3,054	3,083	3,866	1,433	625	378	603	1,154	3,234	3,502	5,874	6,466
70%	1,977	2,541	3,376	714	226	223	401	1,133	2,230	3,294	5,700	3,282
80%	1,372	1,784	1,105	266	205	208	332	687	1,770	3,178	5,541	2,296
90%	1,322	921	196	211	197	198	232	303	1,155	2,680	5,472	1,842
Long Term												
Full Simulation Period[a]	4,619	4,940	4,050	1,992	1,552	1,227	1,445	2,482	3,993	5,324	6,927	6,310
Water Year Types[b]												
Wet (31%)	3,804	3,253	1,143	617	201	202	327	873	1,736	2,526	5,630	1,940
Above Normal (25%)	6,340	7,435	5,083	316	217	212	321	528	1,634	3,096	5,620	3,282
Below Normal (6%)	3,054	3,083	5,193	2,780	626	378	633	1,154	1,770	4,918	7,577	9,961
Dry (13%)	3,285	4,233	3,623	2,776	2,053	1,150	1,296	2,151	3,730	5,547	6,550	8,183
Critical (25%)	5,962	6,230	6,077	2,979	2,950	2,685	3,070	5,082	7,399	8,358	8,659	8,788

Alternative 4 H3 (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-1,103	-919	-2,497	-1,532	-1,086	-347	**419**	**925**	**937**	**1,333**	**866**	-327
20%	-785	-920	-2,778	-1,598	**157**	**328**	**328**	**522**	**543**	**2,426**	**1,655**	-326
30%	-1,865	-1,968	-1,387	-837	-247	**55**	**260**	**147**	**655**	**1,203**	**1,389**	-336
40%	-2,370	-2,220	**55**	-340	-504	**255**	**422**	**141**	**51**	**1,117**	**1,605**	-250
50%	-3,044	-2,201	-280	-1,000	-141	**221**	**180**	**228**	**310**	**921**	**1,578**	-800
60%	-404	-531	-587	-529	**143**	**85**	**130**	**82**	**686**	**854**	**1,292**	-1,395
70%	-317	-257	-478	-7	**21**	**23**	**82**	**229**	-62	**1,048**	**1,326**	-23
80%	**72**	**38**	-605	**12**	**5**	**9**	**49**	**155**	**183**	**1,155**	**1,216**	**117**
90%	**43**	**55**	-9	**6**	**7**	**5**	**27**	**36**	-18	**1,182**	**1,301**	**263**
Long Term												
Full Simulation Period[a]	-1,134	-877	-826	-752	-311	**68**	**194**	**273**	**372**	**1,107**	**1,331**	-298
Water Year Types[b]												
Wet (31%)	-983	-662	-173	-24	**10**	**9**	**44**	**164**	**173**	**824**	**1,420**	**249**
Above Normal (25%)	-2,485	-1,475	-1,332	-75	**12**	**15**	**68**	**96**	-76	**1,170**	**1,373**	-23
Below Normal (6%)	-404	-531	-54	-236	-40	**85**	**123**	**261**	**183**	**555**	**1,773**	**1,251**
Dry (13%)	-313	-173	-1,070	-1,244	-307	**166**	**168**	**103**	**251**	**1,045**	**1,272**	-406
Critical (25%)	-1,518	-1,442	-1,104	-1,315	-755	**56**	**399**	**570**	**847**	**1,469**	**1,201**	-1,068

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-35-20. Sacramento River at Collinsville, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,466	10,474	9,351	5,249	5,178	2,997	2,669	4,898	7,206	7,349	8,047	9,919
20%	8,689	9,043	8,149	4,689	2,537	2,061	2,435	3,800	5,094	5,689	6,863	9,582
30%	8,482	8,831	6,659	3,627	2,154	1,528	1,635	2,426	4,021	5,603	6,436	9,224
40%	8,079	8,575	4,758	3,066	1,968	826	1,146	2,371	3,773	5,167	5,804	8,710
50%	7,701	6,421	4,566	2,892	1,149	668	702	1,948	3,137	4,434	4,835	8,565
60%	3,458	3,614	4,452	1,962	482	293	473	1,073	2,548	2,648	4,582	7,862
70%	2,294	2,798	3,854	720	205	200	319	903	2,292	2,245	4,374	3,305
80%	1,300	1,746	1,710	254	200	199	284	531	1,587	2,024	4,325	2,180
90%	1,279	866	204	205	190	193	204	267	1,173	1,498	4,171	1,579
Long Term												
Full Simulation Period[a]	5,753	5,817	4,876	2,744	1,863	1,159	1,251	2,209	3,621	4,217	5,596	6,608
Water Year Types[b]												
Wet (31%)	4,787	3,915	1,316	641	192	194	283	709	1,563	1,702	4,210	1,691
Above Normal (25%)	8,825	8,910	6,415	391	205	197	254	432	1,710	1,925	4,247	3,305
Below Normal (6%)	3,458	3,614	5,247	3,016	665	293	511	893	1,587	4,363	5,804	8,710
Dry (13%)	3,597	4,406	4,692	4,020	2,360	984	1,128	2,048	3,479	4,502	5,279	8,590
Critical (25%)	7,480	7,672	7,181	4,293	3,705	2,628	2,671	4,511	6,552	6,889	7,458	9,856

Alternative 4 H4 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	8,480	9,019	8,162	4,901	4,372	2,632	2,983	5,643	8,015	8,341	8,736	9,587
20%	7,159	7,785	6,312	3,805	3,476	2,291	2,686	4,118	5,570	8,049	8,064	8,630
30%	5,913	6,699	5,337	3,357	1,963	1,555	1,707	2,644	4,676	6,638	7,643	8,451
40%	5,005	5,255	4,829	2,766	1,534	1,041	1,568	2,585	4,170	6,587	7,145	8,137
50%	4,269	3,591	4,256	2,329	1,004	890	871	1,859	3,711	5,533	6,733	7,965
60%	2,971	3,098	3,737	1,444	611	377	436	1,106	2,382	4,040	6,110	7,872
70%	1,970	2,580	3,358	732	226	224	297	783	1,851	3,408	5,856	3,337
80%	1,362	1,764	1,103	256	205	208	221	372	1,445	3,302	5,579	2,284
90%	1,307	942	192	213	200	197	194	260	1,168	2,986	5,542	1,845
Long Term												
Full Simulation Period[a]	4,432	4,691	4,236	2,411	1,694	1,198	1,369	2,348	3,910	5,412	6,911	6,318
Water Year Types[b]												
Wet (31%)	3,376	2,923	1,138	645	203	202	228	526	1,417	2,590	5,729	1,936
Above Normal (25%)	6,478	7,442	5,186	317	218	213	238	328	1,478	3,408	5,974	3,337
Below Normal (6%)	2,971	3,098	5,132	2,701	611	377	614	990	1,445	4,575	7,337	10,026
Dry (13%)	3,251	4,207	3,837	2,888	2,115	1,105	1,224	2,248	3,948	5,976	6,626	8,837
Critical (25%)	5,697	5,712	6,474	4,220	3,357	2,626	3,003	4,965	7,339	8,188	8,376	8,260

Alternative 4 H4 (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-986	-1,455	-1,189	-348	-806	-365	**314**	**745**	**809**	**991**	**688**	-333
20%	-1,530	-1,258	-1,837	-884	**940**	**231**	**251**	**318**	**476**	**2,360**	**1,201**	-952
30%	-2,568	-2,131	-1,322	-269	-191	**27**	**71**	**218**	**655**	**1,035**	**1,206**	-773
40%	-3,074	-3,320	**71**	-300	-434	**216**	**421**	**214**	**397**	**1,420**	**1,341**	-573
50%	-3,432	-2,830	-310	-563	-145	**222**	**169**	-89	**574**	**1,099**	**1,898**	-600
60%	-487	-516	-716	-518	**129**	**83**	-37	**33**	-166	**1,392**	**1,529**	**11**
70%	-323	-218	-496	**11**	**21**	**24**	-22	-120	-441	**1,163**	**1,483**	**32**
80%	**62**	**18**	-607	**2**	**5**	**9**	-63	-159	-142	**1,278**	**1,254**	**104**
90%	**28**	**75**	-12	**8**	**11**	**4**	-11	-7	-5	**1,488**	**1,371**	**266**
Long Term												
Full Simulation Period[a]	-1,320	-1,126	-640	-334	-169	**39**	**119**	**139**	**289**	**1,195**	**1,315**	-290
Water Year Types[b]												
Wet (31%)	-1,411	-992	-178	**5**	**12**	**9**	-55	-184	-146	**888**	**1,519**	**245**
Above Normal (25%)	-2,347	-1,468	-1,230	-74	**13**	**16**	-16	-104	-232	**1,483**	**1,727**	**32**
Below Normal (6%)	-487	-516	-115	-314	-54	**83**	**104**	**97**	-142	**212**	**1,532**	**1,317**
Dry (13%)	-347	-199	-856	-1,133	-245	**121**	**96**	**200**	**469**	**1,474**	**1,348**	**247**
Critical (25%)	-1,783	-1,960	-706	-73	-348	-2	**332**	**454**	**787**	**1,299**	**917**	-1,596

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-35-21. Sacramento River at Collinsville, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,466	10,474	9,351	5,249	5,178	2,997	2,669	4,898	7,206	7,349	8,047	9,919
20%	8,689	9,043	8,149	4,689	2,537	2,061	2,435	3,800	5,094	5,689	6,863	9,582
30%	8,482	8,831	6,659	3,627	2,154	1,528	1,635	2,426	4,021	5,603	6,436	9,224
40%	8,079	8,575	4,758	3,066	1,968	826	1,146	2,371	3,773	5,167	5,804	8,710
50%	7,701	6,421	4,566	2,892	1,149	668	702	1,948	3,137	4,434	4,835	8,565
60%	3,458	3,614	4,452	1,962	482	293	473	1,073	2,548	2,648	4,582	7,862
70%	2,294	2,798	3,854	720	205	200	319	903	2,292	2,245	4,374	3,305
80%	1,300	1,746	1,710	254	200	199	284	531	1,587	2,024	4,325	2,180
90%	1,279	866	204	205	190	193	204	267	1,173	1,498	4,171	1,579
Long Term												
Full Simulation Period[a]	5,753	5,817	4,876	2,744	1,863	1,159	1,251	2,209	3,621	4,217	5,596	6,608
Water Year Types[b]												
Wet (31%)	4,787	3,915	1,316	641	192	194	283	709	1,563	1,702	4,210	1,691
Above Normal (25%)	8,825	8,910	6,415	391	205	197	254	432	1,710	1,925	4,247	3,305
Below Normal (6%)	3,458	3,614	5,247	3,016	665	293	511	893	1,587	4,363	5,804	8,710
Dry (13%)	3,597	4,406	4,692	4,020	2,360	984	1,128	2,048	3,479	4,502	5,279	8,590
Critical (25%)	7,480	7,672	7,181	4,293	3,705	2,628	2,671	4,511	6,552	6,889	7,458	9,856

Alternative 5 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,205	8,910	8,219	4,884	4,222	3,007	2,910	5,517	7,913	8,451	8,999	9,572
20%	8,863	7,292	7,743	4,693	2,742	2,256	2,411	4,369	5,659	7,592	8,383	9,359
30%	7,735	6,889	5,354	3,616	2,462	1,767	1,809	2,684	4,831	6,549	7,620	8,921
40%	5,840	6,319	5,128	2,941	1,750	972	1,501	2,663	4,232	5,838	6,534	8,554
50%	5,407	5,663	4,668	2,830	1,217	911	881	2,322	3,671	5,120	6,074	8,088
60%	3,497	3,256	4,290	2,800	651	374	588	1,186	3,216	3,853	5,920	7,452
70%	2,317	2,613	3,703	722	210	205	405	1,160	2,525	3,555	5,741	3,244
80%	1,371	1,850	1,962	262	202	200	340	730	1,792	3,014	5,467	2,288
90%	1,330	950	200	206	193	195	210	315	1,239	2,829	5,325	1,748
Long Term												
Full Simulation Period[a]	5,141	4,989	4,548	2,560	1,709	1,261	1,380	2,498	4,088	5,228	6,772	6,400
Water Year Types[b]												
Wet (31%)	5,012	3,721	1,427	851	196	197	324	896	1,774	2,672	5,632	1,881
Above Normal (25%)	8,204	8,869	5,354	302	208	199	293	566	1,922	3,213	5,540	3,244
Below Normal (6%)	3,497	3,256	4,855	2,941	771	374	613	1,137	1,792	4,676	6,883	9,605
Dry (13%)	3,770	4,071	4,792	4,157	2,420	1,245	1,306	2,302	3,977	5,590	6,375	8,588
Critical (25%)	5,445	5,534	6,466	3,477	3,138	2,728	2,870	4,981	7,353	7,901	8,471	8,887

Alternative 5 (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-261	-1,563	-1,132	-365	-956	**10**	**241**	**619**	**707**	**1,102**	**951**	-348
20%	**175**	-1,751	-406	**3**	**205**	**195**	-24	**569**	**564**	**1,903**	**1,520**	-224
30%	-746	-1,942	-1,306	-11	**308**	**238**	**174**	**258**	**811**	**946**	**1,183**	-303
40%	-2,238	-2,256	**370**	-125	-218	**147**	**354**	**291**	**459**	**671**	**730**	-155
50%	-2,294	-758	**102**	-61	**68**	**244**	**179**	**374**	**534**	**686**	**1,239**	-477
60%	**39**	-358	-163	**838**	**168**	**81**	**115**	**114**	**668**	**1,205**	**1,339**	-410
70%	**23**	-185	-150	**1**	**5**	**5**	**86**	**257**	**232**	**1,310**	**1,368**	-61
80%	**71**	**104**	**252**	**8**	**2**	**1**	**56**	**199**	**205**	**990**	**1,143**	**108**
90%	**51**	**84**	-4	**1**	**4**	**2**	**5**	**48**	**65**	**1,331**	**1,154**	**168**
Long Term												
Full Simulation Period[a]	-612	-828	-328	-184	-154	**103**	**129**	**289**	**467**	**1,011**	**1,175**	-208
Water Year Types[b]												
Wet (31%)	**224**	-194	**111**	**210**	**4**	**3**	**41**	**187**	**211**	**970**	**1,422**	**190**
Above Normal (25%)	-621	-41	-1,061	-89	**3**	**2**	**39**	**134**	**212**	**1,288**	**1,293**	-61
Below Normal (6%)	**39**	-358	-392	-75	**105**	**81**	**103**	**244**	**205**	**312**	**1,079**	**895**
Dry (13%)	**172**	-334	**100**	**137**	**60**	**262**	**179**	**254**	**498**	**1,088**	**1,096**	-2
Critical (25%)	-2,035	-2,138	-715	-816	-566	**100**	**200**	**470**	**801**	**1,012**	**1,013**	-969

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-35-22. Sacramento River at Collinsville, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,466	10,474	9,351	5,249	5,178	2,997	2,669	4,898	7,206	7,349	8,047	9,919
20%	8,689	9,043	8,149	4,689	2,537	2,061	2,435	3,800	5,094	5,689	6,863	9,582
30%	8,482	8,831	6,659	3,627	2,154	1,528	1,635	2,426	4,021	5,603	6,436	9,224
40%	8,079	8,575	4,758	3,066	1,968	826	1,146	2,371	3,773	5,167	5,804	8,710
50%	7,701	6,421	4,566	2,892	1,149	668	702	1,948	3,137	4,434	4,835	8,565
60%	3,458	3,614	4,452	1,962	482	293	473	1,073	2,548	2,648	4,582	7,862
70%	2,294	2,798	3,854	720	205	200	319	903	2,292	2,245	4,374	3,305
80%	1,300	1,746	1,710	254	200	199	284	531	1,587	2,024	4,325	2,180
90%	1,279	866	204	205	190	193	204	267	1,173	1,498	4,171	1,579
Long Term												
Full Simulation Period[a]	5,753	5,817	4,876	2,744	1,863	1,159	1,251	2,209	3,621	4,217	5,596	6,608
Water Year Types[b]												
Wet (31%)	4,787	3,915	1,316	641	192	194	283	709	1,563	1,702	4,210	1,691
Above Normal (25%)	8,825	8,910	6,415	391	205	197	254	432	1,710	1,925	4,247	3,305
Below Normal (6%)	3,458	3,614	5,247	3,016	665	293	511	893	1,587	4,363	5,804	8,710
Dry (13%)	3,597	4,406	4,692	4,020	2,360	984	1,128	2,048	3,479	4,502	5,279	8,590
Critical (25%)	7,480	7,672	7,181	4,293	3,705	2,628	2,671	4,511	6,552	6,889	7,458	9,856

Alternative 6A,6B,6C (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	6,469	6,208	3,980	2,530	2,785	1,984	2,653	4,781	6,814	8,924	8,311	7,179
20%	5,199	4,548	3,625	1,636	1,594	1,187	1,948	3,995	5,482	7,907	7,652	6,759
30%	4,324	3,831	2,898	1,569	929	964	1,351	2,596	4,593	7,335	7,160	5,989
40%	4,040	3,525	2,314	1,004	735	742	1,096	2,552	4,180	6,631	6,575	5,510
50%	3,796	3,064	1,742	846	456	519	726	2,044	3,663	6,128	5,898	5,100
60%	2,637	2,547	1,536	604	386	318	526	1,123	2,728	4,497	5,028	4,626
70%	1,947	1,792	1,267	411	240	228	371	885	2,023	3,369	4,077	3,105
80%	1,248	1,165	452	225	213	209	310	571	1,462	2,931	3,781	1,803
90%	1,211	811	193	214	203	198	234	294	1,069	2,640	3,647	1,432
Long Term												
Full Simulation Period[a]	3,577	3,184	2,206	1,307	1,071	887	1,208	2,246	3,706	5,547	5,738	4,660
Water Year Types[b]												
Wet (31%)	2,498	1,599	451	311	206	202	302	718	1,555	2,299	3,284	1,498
Above Normal (25%)	5,890	5,415	2,424	253	233	219	304	465	1,451	3,160	3,877	3,105
Below Normal (6%)	2,637	2,547	2,483	1,004	394	318	537	909	1,462	4,497	5,028	4,626
Dry (13%)	2,795	2,663	2,011	1,288	1,098	653	950	2,201	3,978	6,440	6,529	5,545
Critical (25%)	4,328	4,105	3,624	2,602	2,213	2,002	2,636	4,483	6,560	8,597	7,956	7,110

Alternative 6A,6B,6C (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-2,997	-4,266	-5,371	-2,719	-2,393	-1,013	-16	-117	-392	**1,574**	**264**	-2,740
20%	-3,490	-4,495	-4,525	-3,053	-942	-874	-488	**195**	**388**	**2,218**	**790**	-2,824
30%	-4,158	-5,000	-3,761	-2,058	-1,225	-565	-285	**170**	**573**	**1,732**	**723**	-3,235
40%	-4,039	-5,050	-2,444	-2,062	-1,234	-84	-50	**180**	**407**	**1,464**	**770**	-3,200
50%	-3,905	-3,357	-2,824	-2,046	-693	-149	**24**	**96**	**526**	**1,694**	**1,063**	-3,464
60%	-821	-1,067	-2,917	-1,357	-96	**25**	**54**	**50**	**180**	**1,849**	**446**	-3,236
70%	-347	-1,006	-2,587	-309	**34**	**28**	**52**	-19	-269	**1,123**	-297	-200
80%	-52	-581	-1,258	-29	**13**	**10**	**26**	**40**	-124	**907**	-544	-377
90%	-68	-55	-12	**9**	**13**	**6**	**30**	**27**	-104	**1,142**	-524	-148
Long Term												
Full Simulation Period[a]	-2,176	-2,633	-2,669	-1,437	-792	-272	-43	**37**	**85**	**1,330**	**142**	-1,948
Water Year Types[b]												
Wet (31%)	-2,289	-2,316	-864	-329	**14**	**9**	**19**	**9**	-8	**597**	-926	-193
Above Normal (25%)	-2,935	-3,495	-3,991	-139	**27**	**22**	**50**	**33**	-259	**1,235**	-370	-200
Below Normal (6%)	-821	-1,067	-2,764	-2,012	-272	**25**	**26**	**15**	-124	**134**	-777	-4,084
Dry (13%)	-803	-1,743	-2,682	-2,732	-1,262	-331	-178	**153**	**499**	**1,938**	**1,250**	-3,045
Critical (25%)	-3,151	-3,567	-3,556	-1,691	-1,491	-626	-35	-28	**8**	**1,708**	**498**	-2,746

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-35-23. Sacramento River at Collinsville, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,466	10,474	9,351	5,249	5,178	2,997	2,669	4,898	7,206	7,349	8,047	9,919
20%	8,689	9,043	8,149	4,689	2,537	2,061	2,435	3,800	5,094	5,689	6,863	9,582
30%	8,482	8,831	6,659	3,627	2,154	1,528	1,635	2,426	4,021	5,603	6,436	9,224
40%	8,079	8,575	4,758	3,066	1,968	826	1,146	2,371	3,773	5,167	5,804	8,710
50%	7,701	6,421	4,566	2,892	1,149	668	702	1,948	3,137	4,434	4,835	8,565
60%	3,458	3,614	4,452	1,962	482	293	473	1,073	2,548	2,648	4,582	7,862
70%	2,294	2,798	3,854	720	205	200	319	903	2,292	2,245	4,374	3,305
80%	1,300	1,746	1,710	254	200	199	284	531	1,587	2,024	4,325	2,180
90%	1,279	866	204	205	190	193	204	267	1,173	1,498	4,171	1,579
Long Term												
Full Simulation Period[a]	5,753	5,817	4,876	2,744	1,863	1,159	1,251	2,209	3,621	4,217	5,596	6,608
Water Year Types[b]												
Wet (31%)	4,787	3,915	1,316	641	192	194	283	709	1,563	1,702	4,210	1,691
Above Normal (25%)	8,825	8,910	6,415	391	205	197	254	432	1,710	1,925	4,247	3,305
Below Normal (6%)	3,458	3,614	5,247	3,016	665	293	511	893	1,587	4,363	5,804	8,710
Dry (13%)	3,597	4,406	4,692	4,020	2,360	984	1,128	2,048	3,479	4,502	5,279	8,590
Critical (25%)	7,480	7,672	7,181	4,293	3,705	2,628	2,671	4,511	6,552	6,889	7,458	9,856

Alternative 7 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	8,019	6,075	4,233	2,512	2,734	1,838	2,496	4,128	4,917	7,748	8,257	9,287
20%	7,014	4,570	3,683	1,596	1,557	1,163	1,891	3,819	4,388	6,974	7,774	9,023
30%	6,752	4,484	2,578	1,535	924	929	1,288	2,625	3,975	6,511	7,460	8,870
40%	6,571	4,036	2,197	1,060	700	730	1,086	2,505	3,853	6,233	6,315	8,711
50%	5,668	3,274	1,708	902	479	479	680	2,016	3,153	5,364	6,066	8,243
60%	2,760	2,601	1,619	656	349	316	503	1,110	2,438	4,125	5,797	8,132
70%	1,776	1,695	1,288	403	230	222	370	877	1,650	3,276	5,730	3,319
80%	1,288	1,241	475	217	203	207	308	575	1,277	3,062	5,672	2,351
90%	1,148	834	190	208	198	197	230	282	1,012	2,821	5,516	1,846
Long Term												
Full Simulation Period[a]	4,694	3,339	2,219	1,299	1,049	851	1,166	2,057	3,006	5,084	6,587	6,427
Water Year Types[b]												
Wet (31%)	3,528	1,673	470	321	201	202	302	719	1,344	2,615	5,791	1,961
Above Normal (25%)	7,952	5,229	2,137	245	221	212	302	456	1,177	2,977	5,704	3,319
Below Normal (6%)	2,760	2,743	2,501	1,060	432	316	503	874	1,515	4,730	6,315	8,213
Dry (13%)	2,977	2,740	2,001	1,296	1,079	622	911	2,180	3,650	5,683	6,098	8,997
Critical (25%)	6,083	4,515	3,769	2,555	2,157	1,916	2,540	3,907	4,850	7,493	8,021	8,829

Alternative 7 (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-1,447	-4,398	-5,118	-2,737	-2,444	-1,159	-173	-770	-2,290	**398**	**210**	-632
20%	-1,675	-4,473	-4,466	-3,093	-979	-898	-544	**20**	-706	**1,285**	**911**	-559
30%	-1,730	-4,347	-4,081	-2,092	-1,230	-599	-347	**199**	-46	**908**	**1,024**	-354
40%	-1,508	-4,539	-2,562	-2,006	-1,269	-96	-61	**133**	**80**	**1,066**	**511**	**1**
50%	-2,032	-3,147	-2,858	-1,989	-670	-189	-22	**68**	**16**	**930**	**1,232**	-322
60%	-698	-1,013	-2,834	-1,306	-133	**23**	**30**	**38**	-110	**1,477**	**1,215**	**271**
70%	-518	-1,103	-2,565	-318	**25**	**22**	**51**	-26	-642	**1,031**	**1,357**	**14**
80%	-12	-505	-1,235	-37	**3**	**8**	**24**	**43**	-310	**1,038**	**1,348**	**171**
90%	-131	-32	-14	**3**	**8**	**4**	**26**	**15**	-161	**1,323**	**1,345**	**266**
Long Term												
Full Simulation Period[a]	-1,059	-2,478	-2,657	-1,445	-814	-307	-85	-152	-615	**867**	**990**	-181
Water Year Types[b]												
Wet (31%)	-1,259	-2,242	-845	-320	**10**	**8**	**19**	**9**	-219	**913**	**1,582**	**270**
Above Normal (25%)	-873	-3,681	-4,278	-146	**16**	**15**	**48**	**25**	-533	**1,052**	**1,457**	**14**
Below Normal (6%)	-698	-871	-2,746	-1,955	-234	**23**	-7	-20	-72	**366**	**511**	-497
Dry (13%)	-620	-1,666	-2,691	-2,724	-1,281	-362	-217	**132**	**171**	**1,181**	**820**	**408**
Critical (25%)	-1,397	-3,157	-3,412	-1,738	-1,547	-712	-131	-605	-1,702	**604**	**562**	-1,027

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-35-24. Sacramento River at Collinsville, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,466	10,474	9,351	5,249	5,178	2,997	2,669	4,898	7,206	7,349	8,047	9,919
20%	8,689	9,043	8,149	4,689	2,537	2,061	2,435	3,800	5,094	5,689	6,863	9,582
30%	8,482	8,831	6,659	3,627	2,154	1,528	1,635	2,426	4,021	5,603	6,436	9,224
40%	8,079	8,575	4,758	3,066	1,968	826	1,146	2,371	3,773	5,167	5,804	8,710
50%	7,701	6,421	4,566	2,892	1,149	668	702	1,948	3,137	4,434	4,835	8,565
60%	3,458	3,614	4,452	1,962	482	293	473	1,073	2,548	2,648	4,582	7,862
70%	2,294	2,798	3,854	720	205	200	319	903	2,292	2,245	4,374	3,305
80%	1,300	1,746	1,710	254	200	199	284	531	1,587	2,024	4,325	2,180
90%	1,279	866	204	205	190	193	204	267	1,173	1,498	4,171	1,579
Long Term												
Full Simulation Period[a]	5,753	5,817	4,876	2,744	1,863	1,159	1,251	2,209	3,621	4,217	5,596	6,608
Water Year Types[b]												
Wet (31%)	4,787	3,915	1,316	641	192	194	283	709	1,563	1,702	4,210	1,691
Above Normal (25%)	8,825	8,910	6,415	391	205	197	254	432	1,710	1,925	4,247	3,305
Below Normal (6%)	3,458	3,614	5,247	3,016	665	293	511	893	1,587	4,363	5,804	8,710
Dry (13%)	3,597	4,406	4,692	4,020	2,360	984	1,128	2,048	3,479	4,502	5,279	8,590
Critical (25%)	7,480	7,672	7,181	4,293	3,705	2,628	2,671	4,511	6,552	6,889	7,458	9,856

Alternative 8 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	8,771	6,771	4,197	2,510	2,445	1,193	1,759	3,302	4,548	7,637	8,181	9,771
20%	8,583	5,853	4,044	1,649	1,510	909	1,513	2,604	3,799	6,684	8,087	9,332
30%	7,148	4,340	2,815	1,373	710	714	761	2,347	3,651	6,527	7,773	9,052
40%	6,583	4,022	2,263	977	563	513	570	1,632	3,433	6,505	7,381	8,860
50%	6,373	3,306	1,730	775	402	342	495	1,353	2,968	5,731	7,074	8,735
60%	2,571	2,679	1,627	513	300	290	395	756	2,207	4,939	6,990	8,607
70%	1,828	2,100	1,335	386	226	223	302	587	1,545	3,231	6,055	3,311
80%	1,295	1,210	461	218	206	207	276	474	1,210	2,944	5,785	2,145
90%	1,201	846	190	207	196	197	223	254	1,005	2,828	5,572	1,856
Long Term												
Full Simulation Period[a]	4,947	3,564	2,294	1,263	966	697	912	1,638	2,817	5,155	6,982	6,632
Water Year Types[b]												
Wet (31%)	3,890	1,836	477	285	201	202	272	547	1,250	2,548	5,697	1,906
Above Normal (25%)	7,561	5,287	2,382	244	218	211	268	385	1,147	3,009	5,797	3,311
Below Normal (6%)	2,571	2,679	2,493	977	352	290	395	484	1,424	4,939	7,109	9,332
Dry (13%)	3,434	3,162	2,099	1,190	837	441	570	1,780	3,574	6,164	7,304	9,531
Critical (25%)	6,433	4,756	3,828	2,567	2,105	1,575	2,057	3,129	4,411	7,335	8,200	8,883

Alternative 8 (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-695	-3,702	-5,154	-2,739	-2,733	-1,805	-910	-1,596	-2,658	**287**	**134**	-148
20%	-106	-3,189	-4,105	-3,040	-1,027	-1,152	-922	-1,196	-1,295	**995**	**1,224**	-250
30%	-1,333	-4,491	-3,844	-2,253	-1,445	-814	-875	-79	-370	**924**	**1,337**	-172
40%	-1,496	-4,553	-2,496	-2,089	-1,405	-313	-576	-739	-340	**1,338**	**1,577**	**151**
50%	-1,327	-3,114	-2,836	-2,117	-747	-326	-207	-595	-169	**1,297**	**2,239**	**171**
60%	-887	-935	-2,826	-1,449	-183	-3	-78	-317	-341	**2,291**	**2,408**	**746**
70%	-465	-698	-2,519	-335	**21**	**23**	-18	-316	-747	**986**	**1,681**	**6**
80%	-5	-536	-1,249	-36	**6**	**7**	-8	-57	-377	**920**	**1,460**	-35
90%	-78	-21	-14	**2**	**6**	**4**	**19**	-13	-168	**1,330**	**1,401**	**277**
Long Term												
Full Simulation Period[a]	-806	-2,253	-2,582	-1,482	-896	-461	-339	-571	-804	**938**	**1,385**	**25**
Water Year Types[b]												
Wet (31%)	-897	-2,079	-839	-356	**9**	**8**	-11	-162	-313	**846**	**1,487**	**215**
Above Normal (25%)	-1,264	-3,623	-4,033	-147	**13**	**14**	**14**	-47	-564	**1,083**	**1,550**	**6**
Below Normal (6%)	-887	-935	-2,754	-2,038	-313	-3	-116	-409	-162	**576**	**1,304**	**622**
Dry (13%)	-164	-1,244	-2,593	-2,830	-1,523	-543	-558	-268	**95**	**1,662**	**2,026**	**941**
Critical (25%)	-1,046	-2,916	-3,353	-1,726	-1,600	-1,053	-613	-1,382	-2,141	**446**	**742**	-973

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-35-25. Sacramento River at Collinsville, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,466	10,474	9,351	5,249	5,178	2,997	2,669	4,898	7,206	7,349	8,047	9,919
20%	8,689	9,043	8,149	4,689	2,537	2,061	2,435	3,800	5,094	5,689	6,863	9,582
30%	8,482	8,831	6,659	3,627	2,154	1,528	1,635	2,426	4,021	5,603	6,436	9,224
40%	8,079	8,575	4,758	3,066	1,968	826	1,146	2,371	3,773	5,167	5,804	8,710
50%	7,701	6,421	4,566	2,892	1,149	668	702	1,948	3,137	4,434	4,835	8,565
60%	3,458	3,614	4,452	1,962	482	293	473	1,073	2,548	2,648	4,582	7,862
70%	2,294	2,798	3,854	720	205	200	319	903	2,292	2,245	4,374	3,305
80%	1,300	1,746	1,710	254	200	199	284	531	1,587	2,024	4,325	2,180
90%	1,279	866	204	205	190	193	204	267	1,173	1,498	4,171	1,579
Long Term												
Full Simulation Period[a]	5,753	5,817	4,876	2,744	1,863	1,159	1,251	2,209	3,621	4,217	5,596	6,608
Water Year Types[b]												
Wet (31%)	4,787	3,915	1,316	641	192	194	283	709	1,563	1,702	4,210	1,691
Above Normal (25%)	8,825	8,910	6,415	391	205	197	254	432	1,710	1,925	4,247	3,305
Below Normal (6%)	3,458	3,614	5,247	3,016	665	293	511	893	1,587	4,363	5,804	8,710
Dry (13%)	3,597	4,406	4,692	4,020	2,360	984	1,128	2,048	3,479	4,502	5,279	8,590
Critical (25%)	7,480	7,672	7,181	4,293	3,705	2,628	2,671	4,511	6,552	6,889	7,458	9,856

Alternative 9 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	10,781	11,396	10,299	7,267	5,365	2,771	2,756	5,151	7,191	7,891	7,443	9,426
20%	10,250	10,275	9,334	4,625	4,077	2,195	1,873	4,095	5,508	7,390	7,198	9,260
30%	9,819	9,905	7,550	3,805	1,951	1,578	1,572	1,982	3,837	6,612	6,412	8,883
40%	9,435	9,826	5,762	3,247	1,665	988	1,208	1,740	3,329	6,332	6,372	8,825
50%	8,273	7,415	4,866	2,531	982	624	931	1,676	3,124	5,449	6,039	8,397
60%	3,305	3,389	4,543	2,327	453	275	728	1,490	2,802	4,819	5,775	7,985
70%	2,137	2,619	3,849	660	214	206	434	1,335	2,023	3,864	5,496	3,399
80%	1,338	1,749	1,677	262	199	196	340	828	1,795	2,549	5,320	2,137
90%	1,280	880	192	210	196	192	211	298	1,384	2,406	5,170	1,695
Long Term												
Full Simulation Period[a]	6,327	6,429	5,429	3,145	2,009	1,195	1,317	2,175	3,548	5,282	6,169	6,468
Water Year Types[b]												
Wet (31%)	4,808	4,028	1,581	734	195	192	358	982	1,540	2,550	5,359	1,772
Above Normal (25%)	10,487	10,720	7,550	338	212	203	301	607	1,827	2,981	5,226	3,399
Below Normal (6%)	3,305	3,389	5,147	2,646	499	275	740	1,415	1,795	4,819	6,451	9,260
Dry (13%)	4,059	4,908	5,439	4,007	2,193	922	1,063	1,631	3,301	6,031	6,206	8,790
Critical (25%)	8,298	8,459	7,708	5,606	4,332	2,798	2,808	4,344	6,391	7,881	7,109	9,038

Alternative 9 (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	**1,315**	**922**	**948**	**2,018**	**187**	-227	**87**	**252**	-15	**542**	-604	-493
20%	**1,561**	**1,232**	**1,185**	-64	**1,540**	**134**	-562	**295**	**413**	**1,702**	**335**	-323
30%	**1,338**	**1,074**	**891**	**178**	-203	**50**	-64	-444	-184	**1,009**	-24	-341
40%	**1,357**	**1,251**	**1,004**	**181**	-304	**163**	**61**	-631	-444	**1,165**	**567**	**116**
50%	**572**	**994**	**299**	-360	-167	-44	**229**	-272	-13	**1,015**	**1,204**	-168
60%	-153	-225	**91**	**365**	-29	-18	**255**	**418**	**254**	**2,171**	**1,194**	**123**
70%	-157	-179	-5	-60	**8**	**6**	**115**	**432**	-269	**1,618**	**1,123**	**95**
80%	**38**	**3**	-33	**8**	-1	-4	**56**	**297**	**208**	**525**	**995**	-42
90%	**1**	**14**	-12	**5**	**6**	-1	**6**	**32**	**211**	**907**	**999**	**116**
Long Term												
Full Simulation Period[a]	**574**	**612**	**554**	**400**	**146**	**37**	**66**	-34	-73	**1,065**	**573**	-139
Water Year Types[b]												
Wet (31%)	**20**	**113**	**266**	**93**	**4**	-1	**75**	**272**	-23	**848**	**1,149**	**81**
Above Normal (25%)	**1,662**	**1,810**	**1,135**	-53	**7**	**6**	**47**	**175**	**117**	**1,055**	**979**	**95**
Below Normal (6%)	-153	-225	-101	-369	-166	-18	**230**	**522**	**208**	**456**	**646**	**550**
Dry (13%)	**462**	**502**	**747**	-13	-167	-62	-65	-417	-178	**1,528**	**927**	**200**
Critical (25%)	**818**	**787**	**527**	**1,312**	**628**	**170**	**137**	-168	-161	**993**	-349	-818

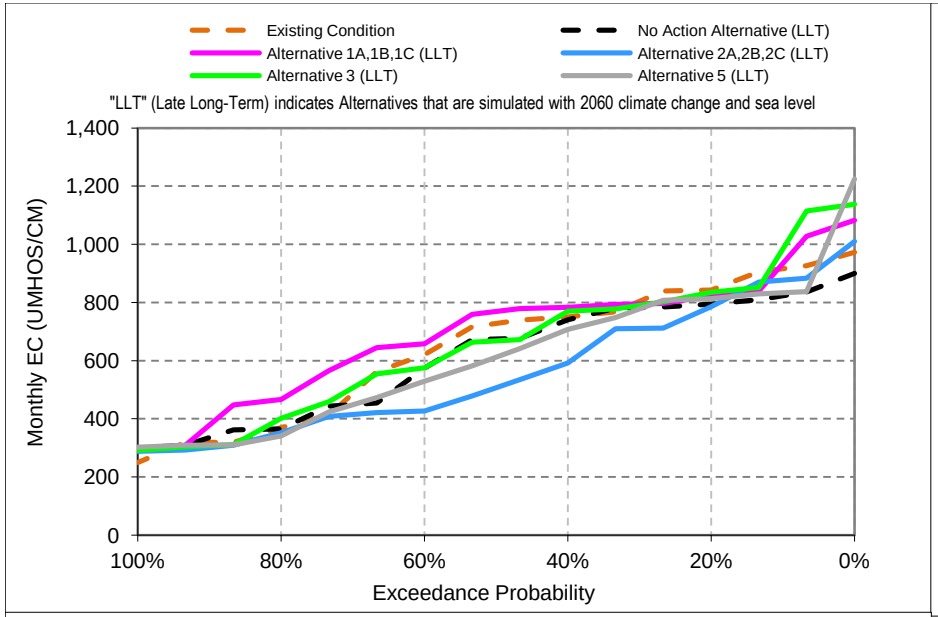
a Based on the 16-year simulation period

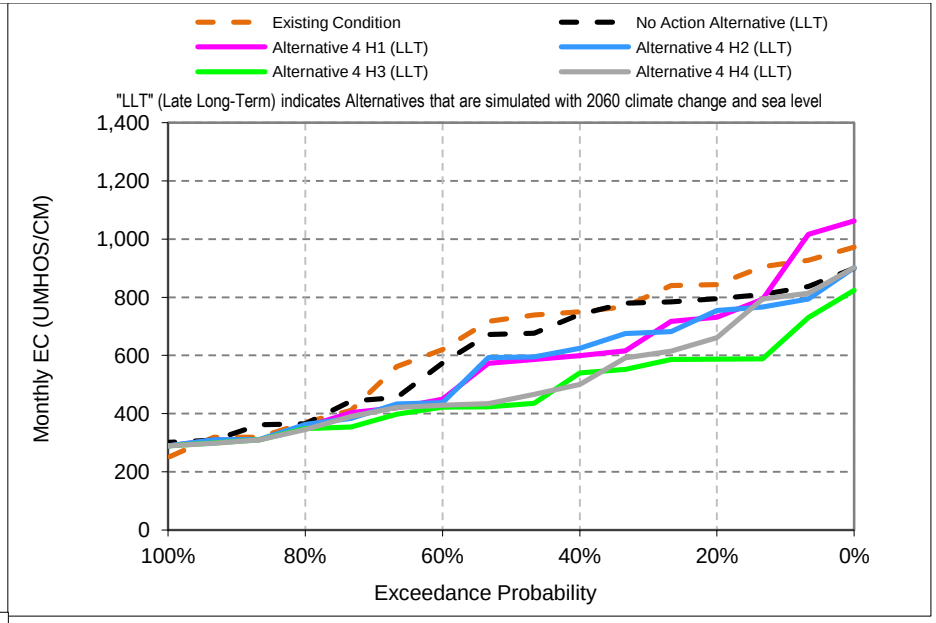
b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

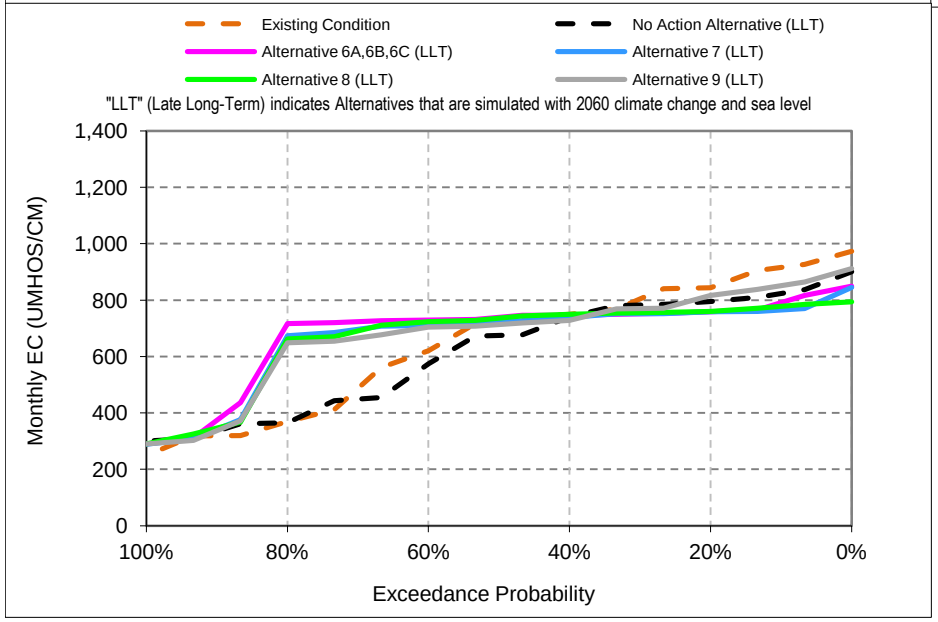
Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

C.36. Old River at Rock Slough Salinity



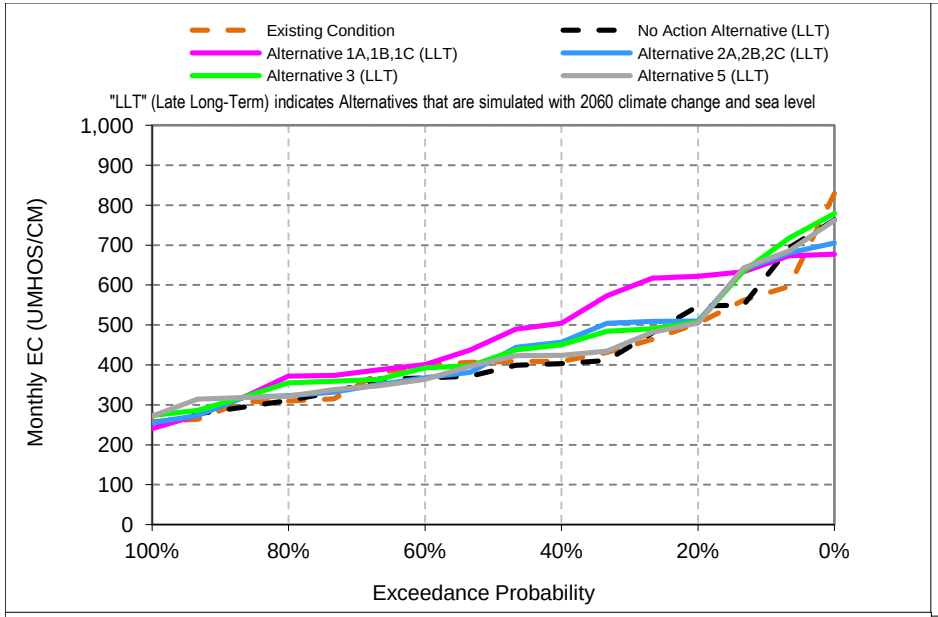


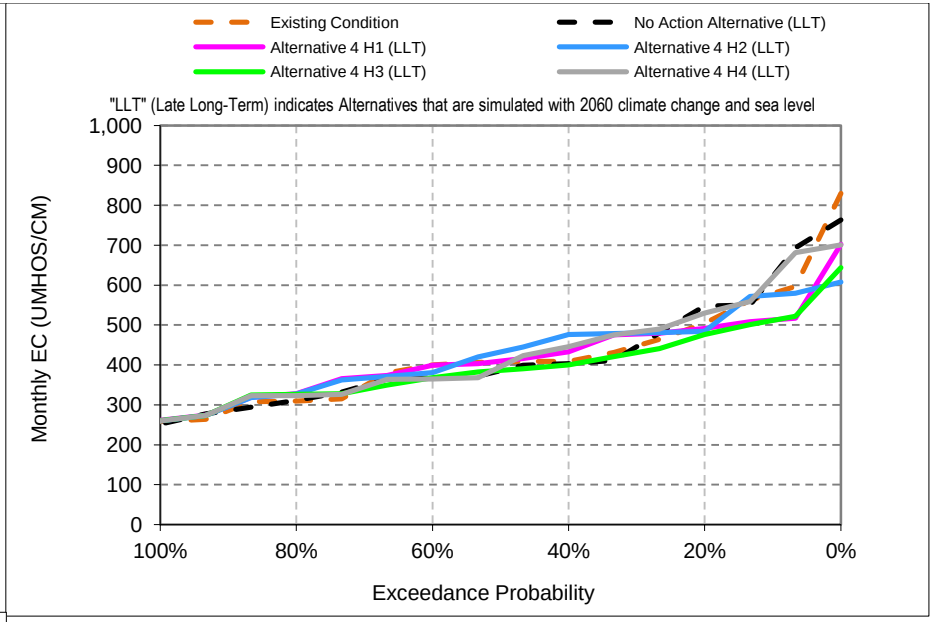


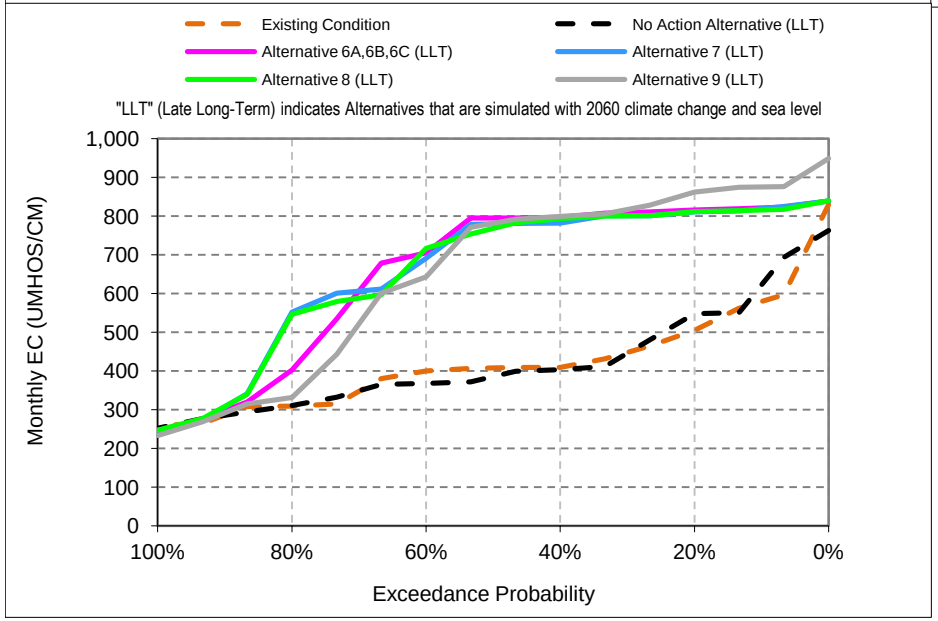
Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-36-1. Old River at Rock Slough, January EC



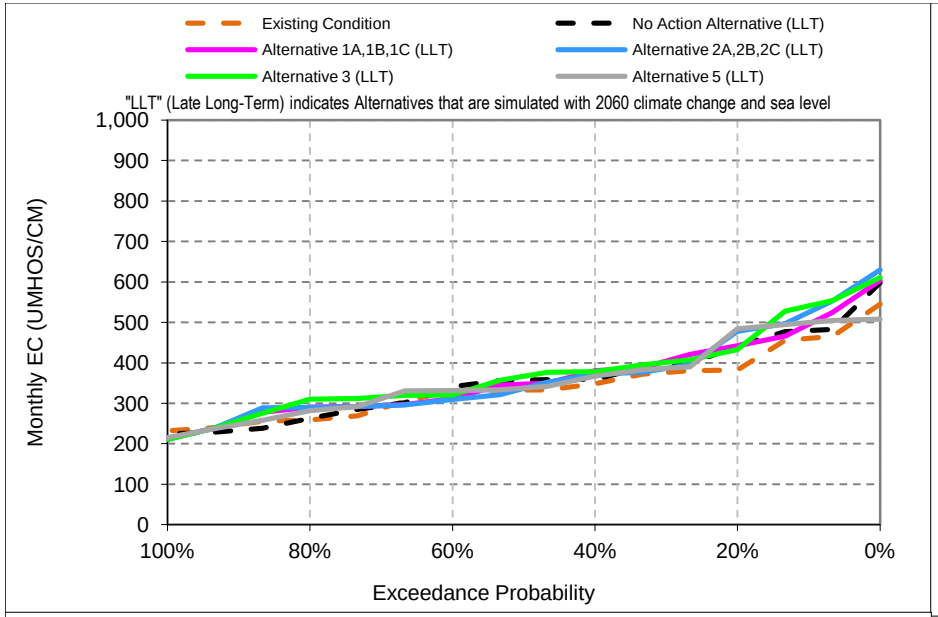


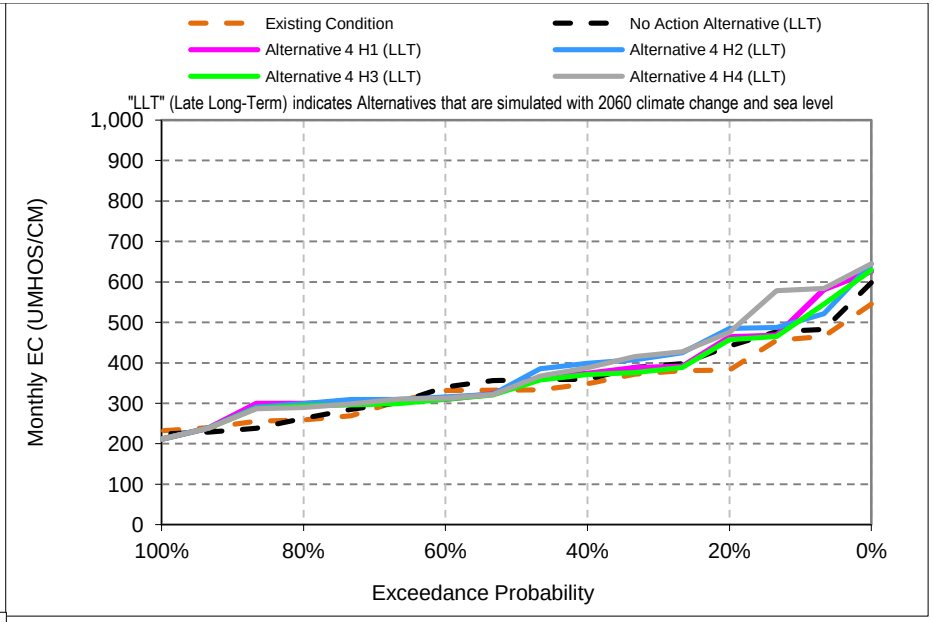


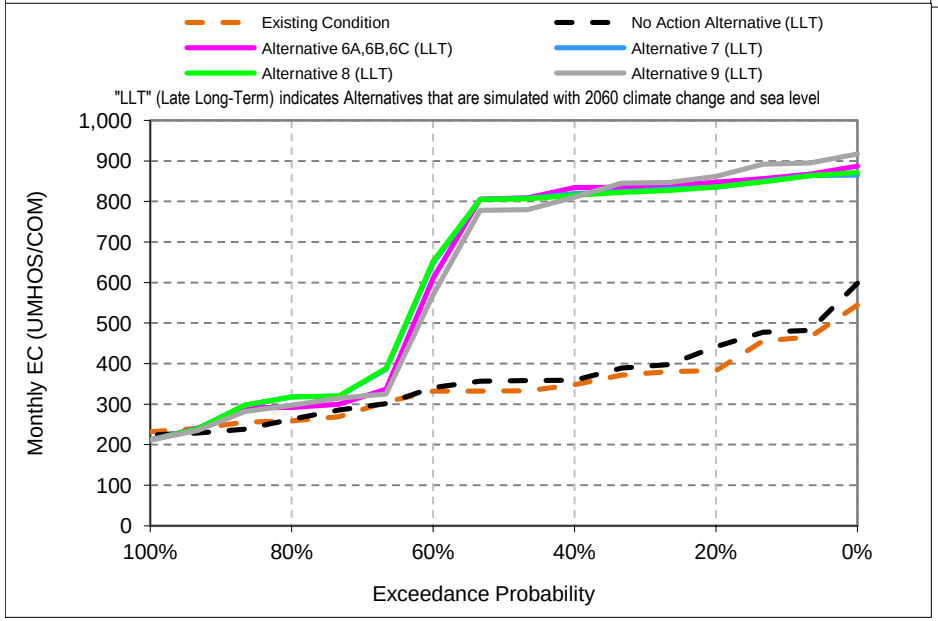
Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-36-2. Old River at Rock Slough, February EC



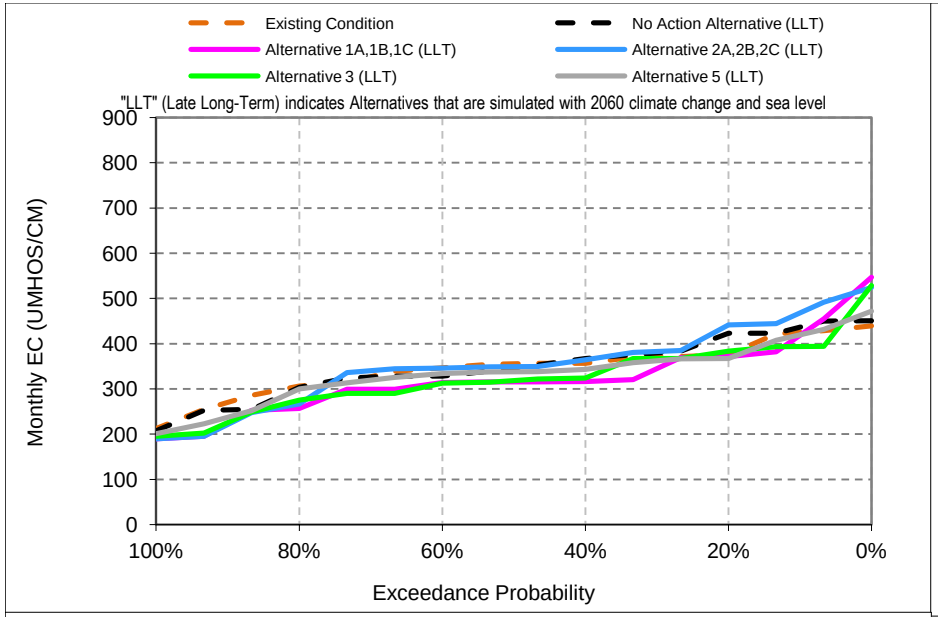


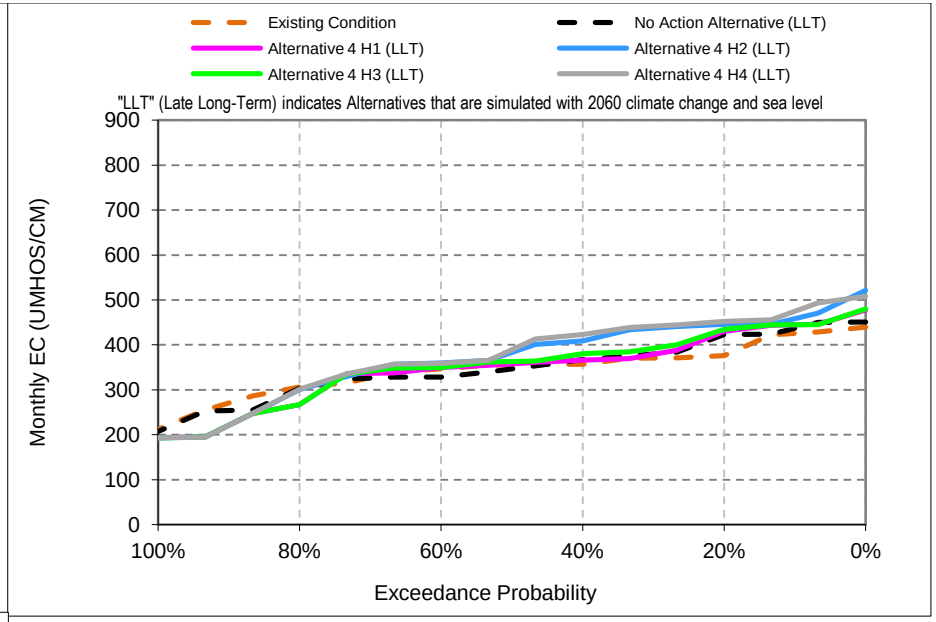


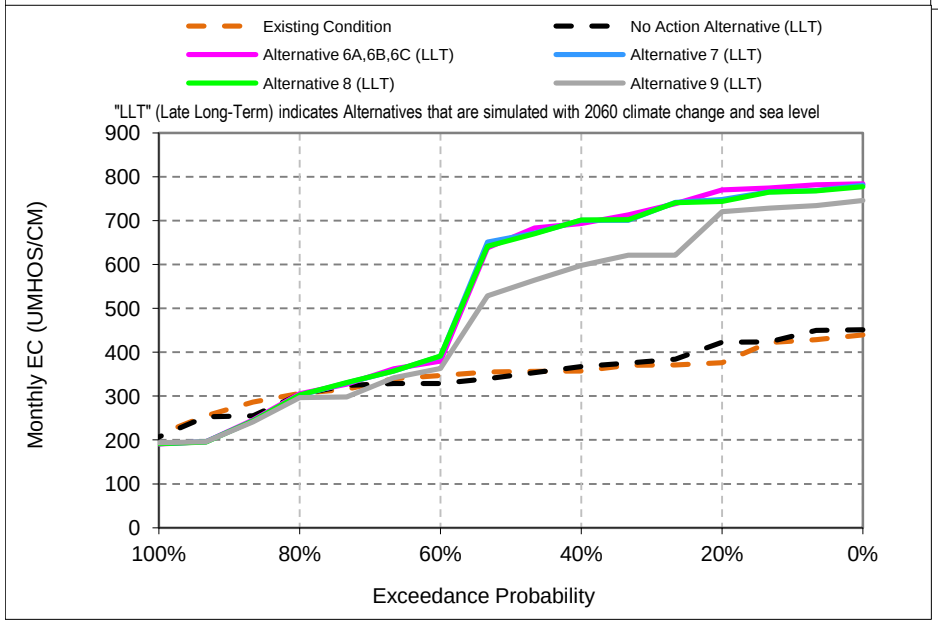
Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-36-3. Old River at Rock Slough, March EC



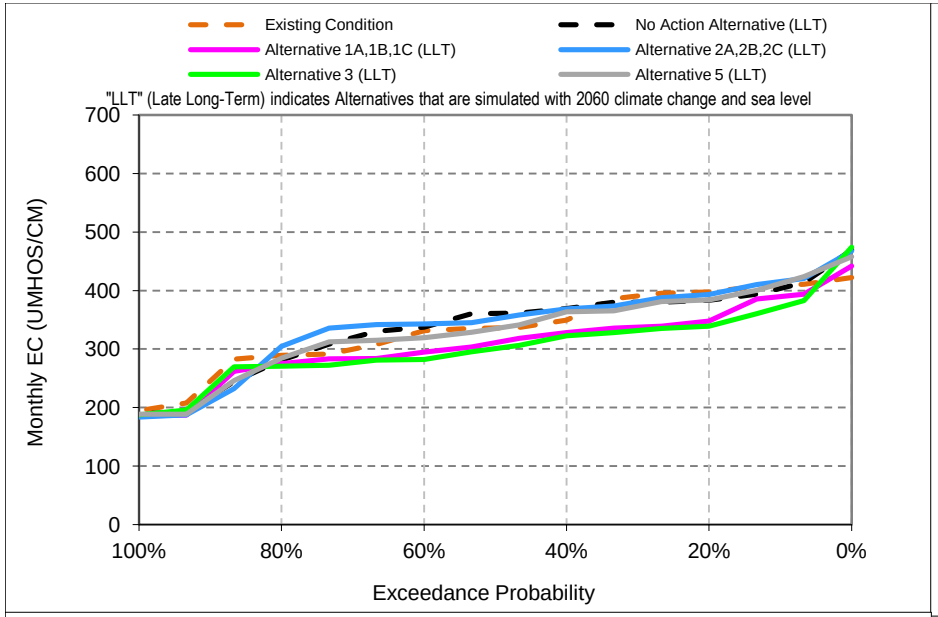


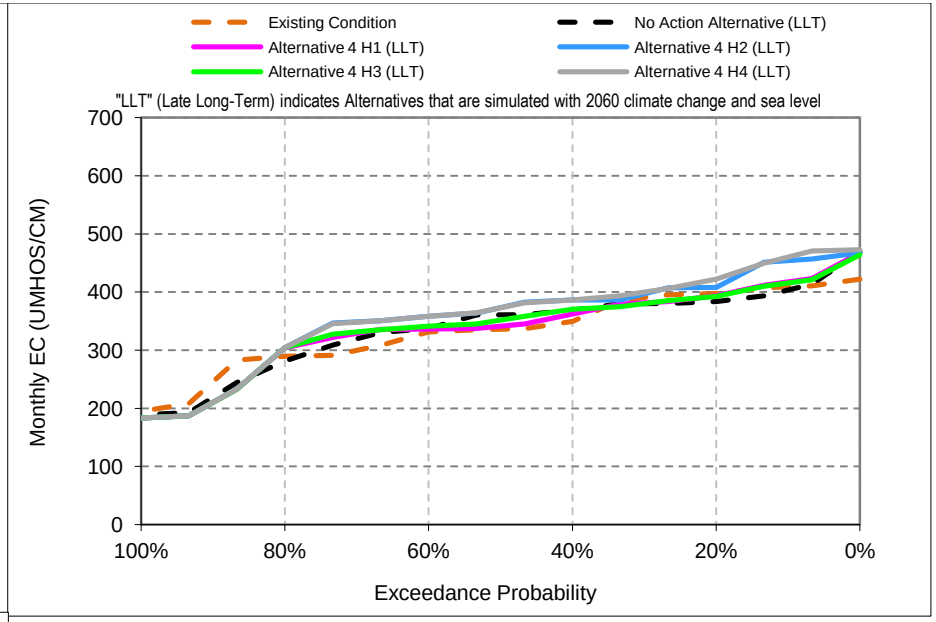


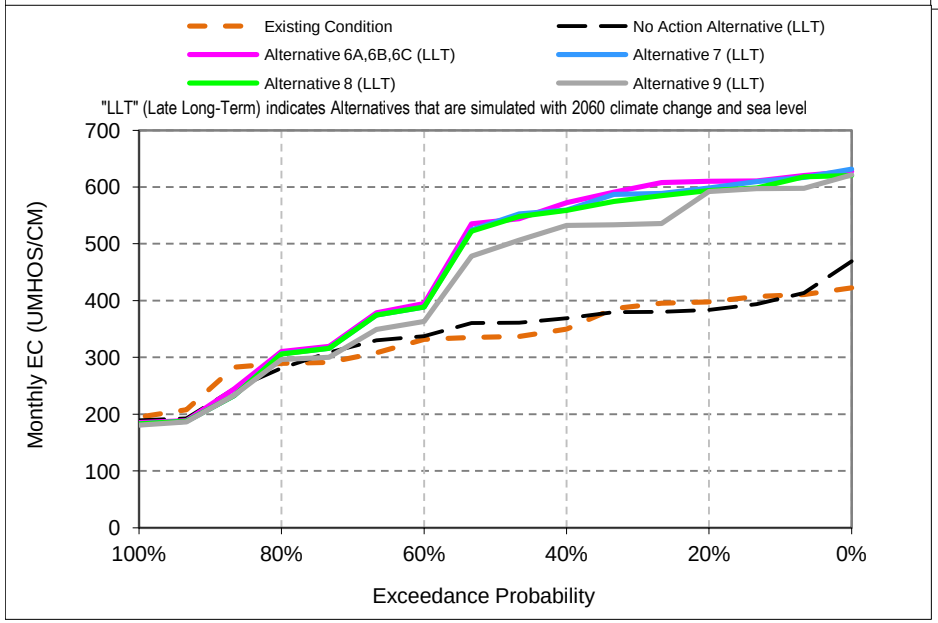
Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-36-4. Old River at Rock Slough, April EC



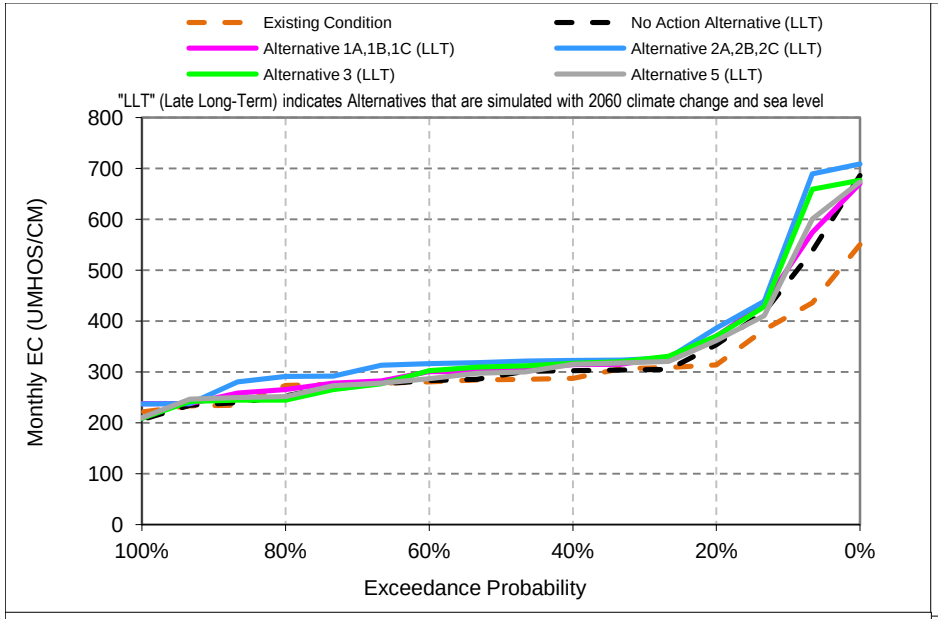


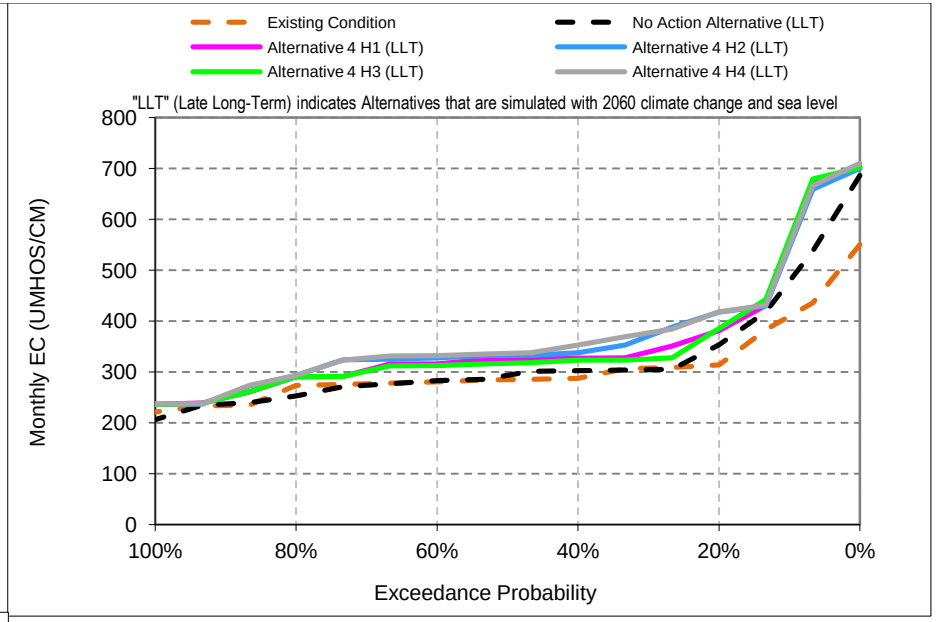


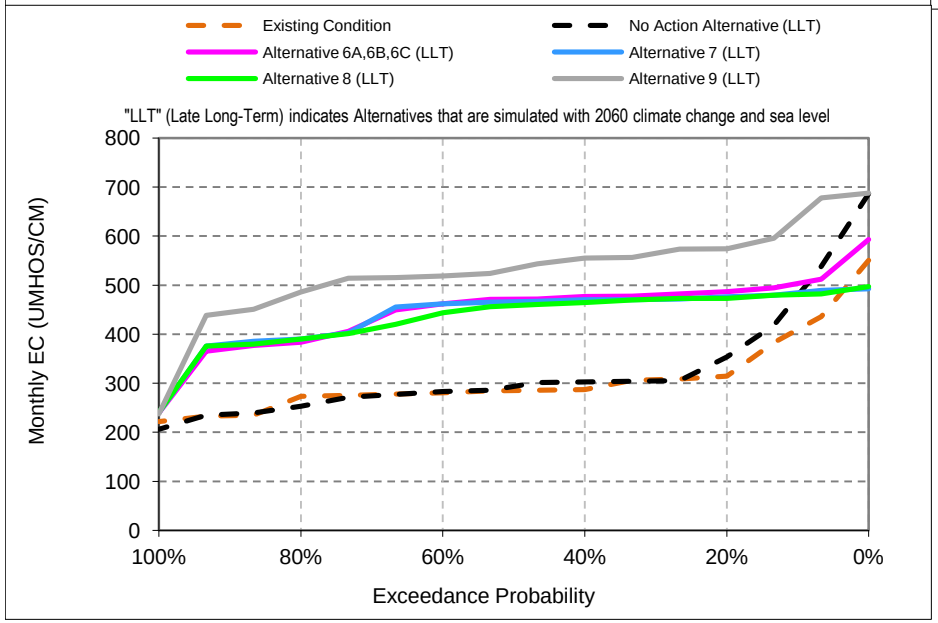
Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-36-5. Old River at Rock Slough, May EC



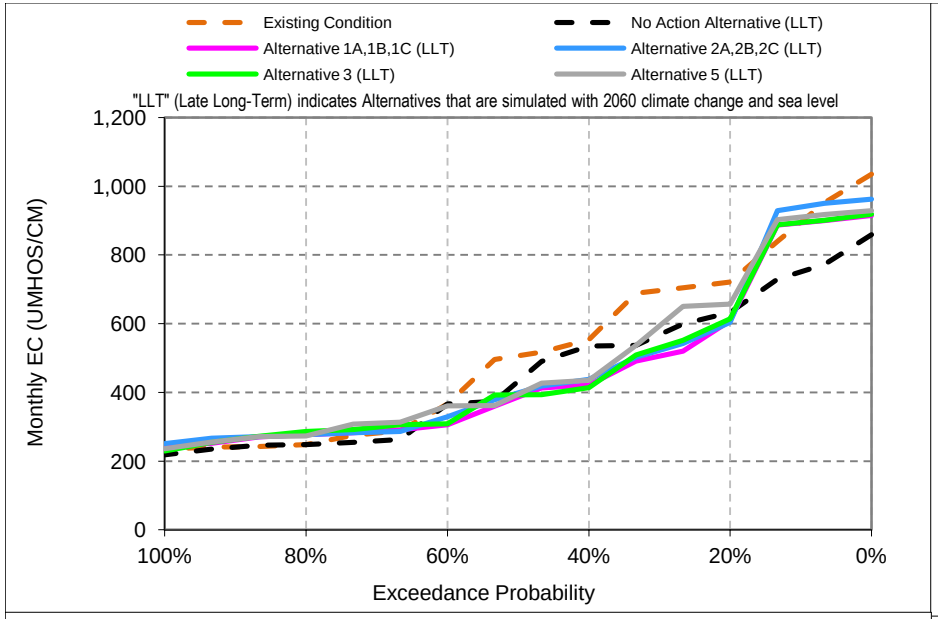


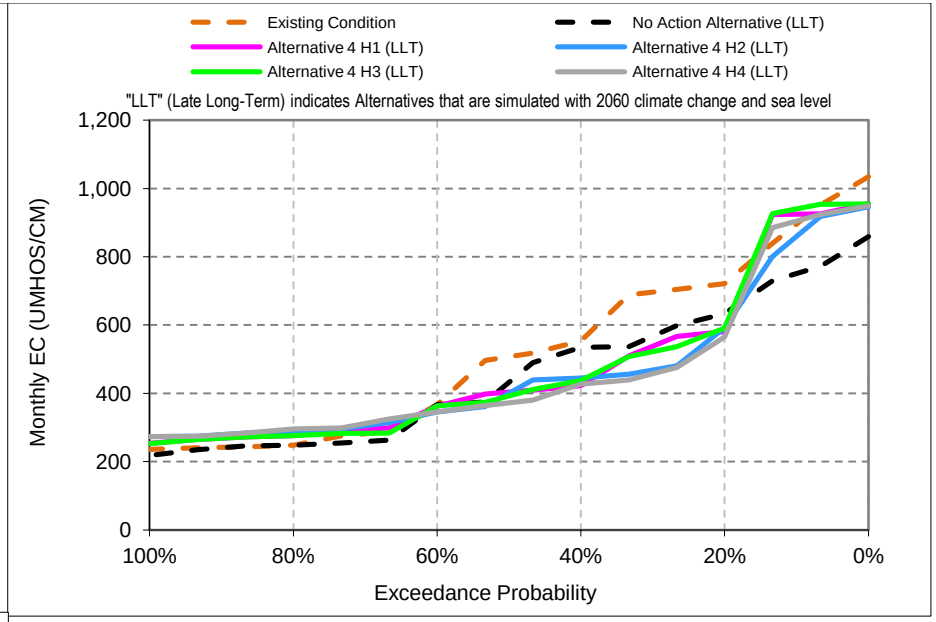


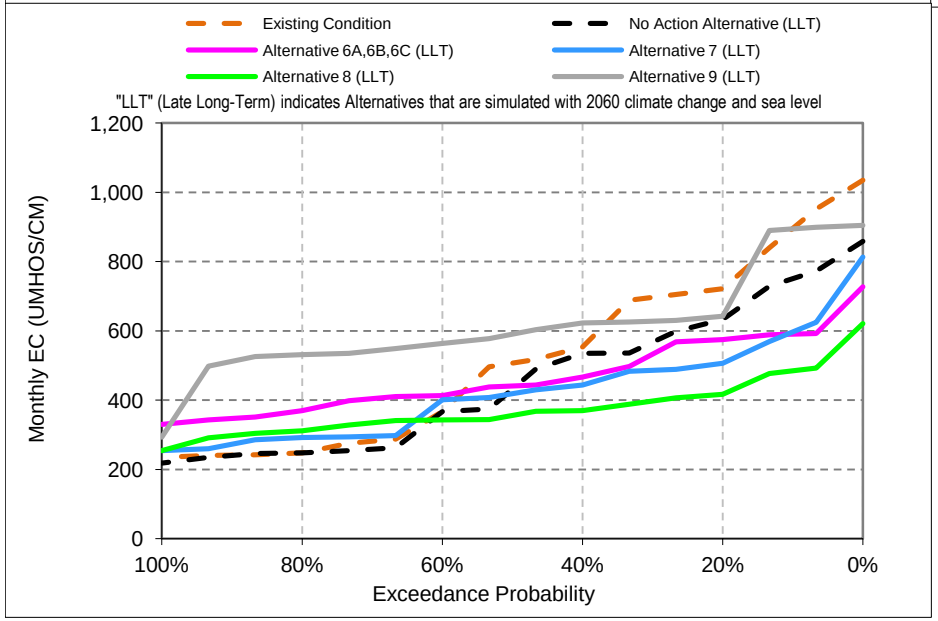
Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-36-6. Old River at Rock Slough, June EC



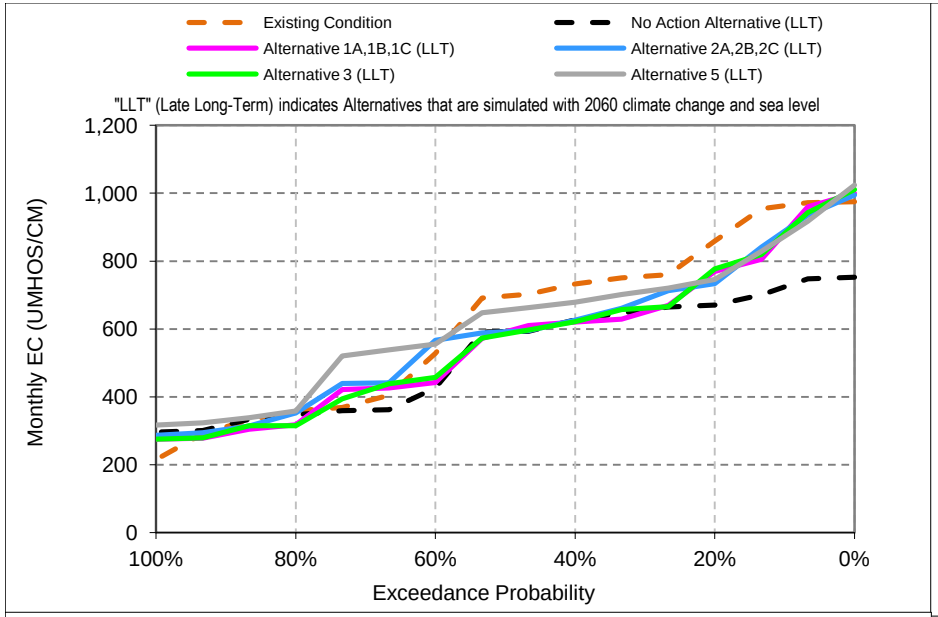


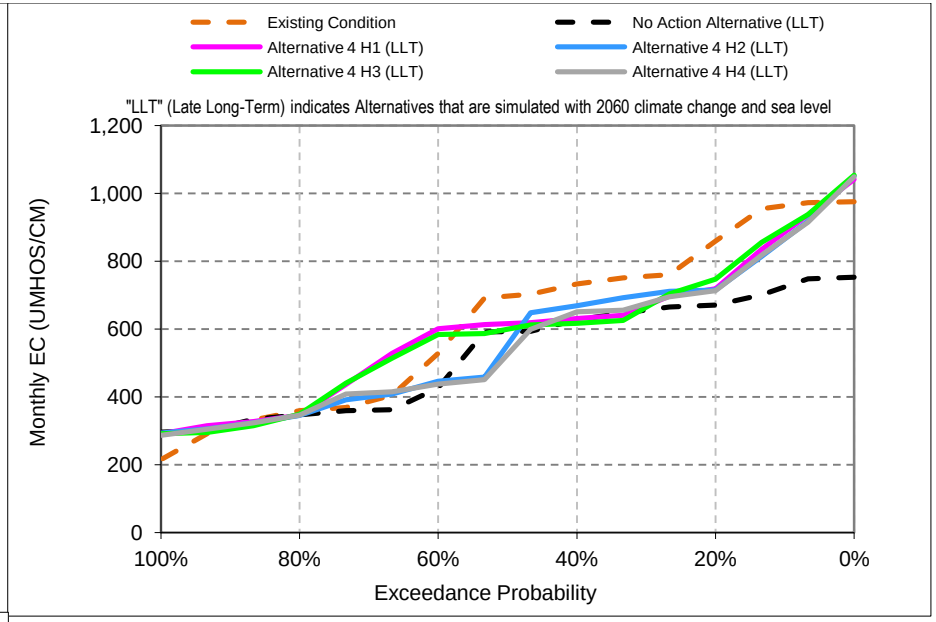


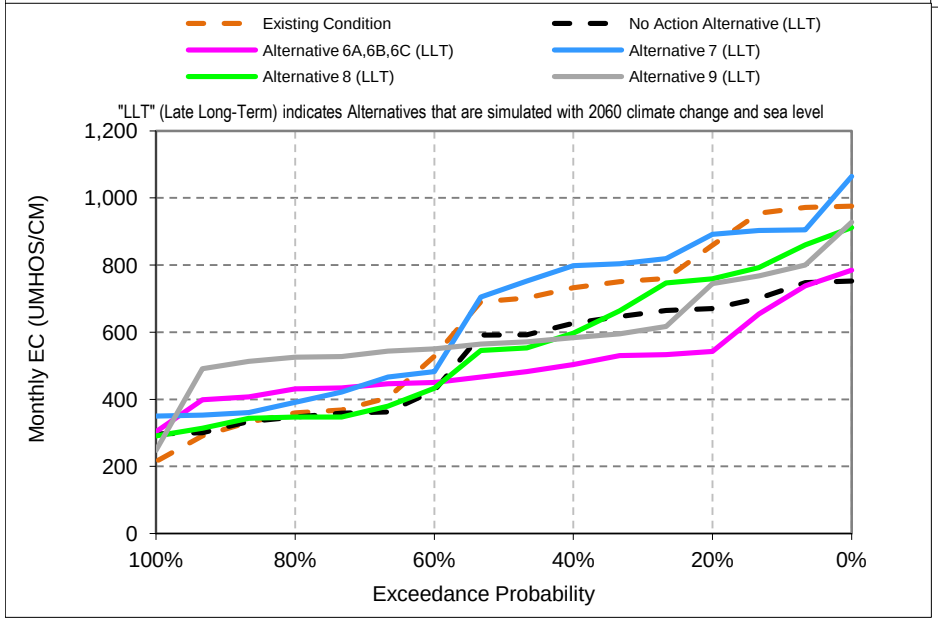
Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-36-7. Old River at Rock Slough, July EC



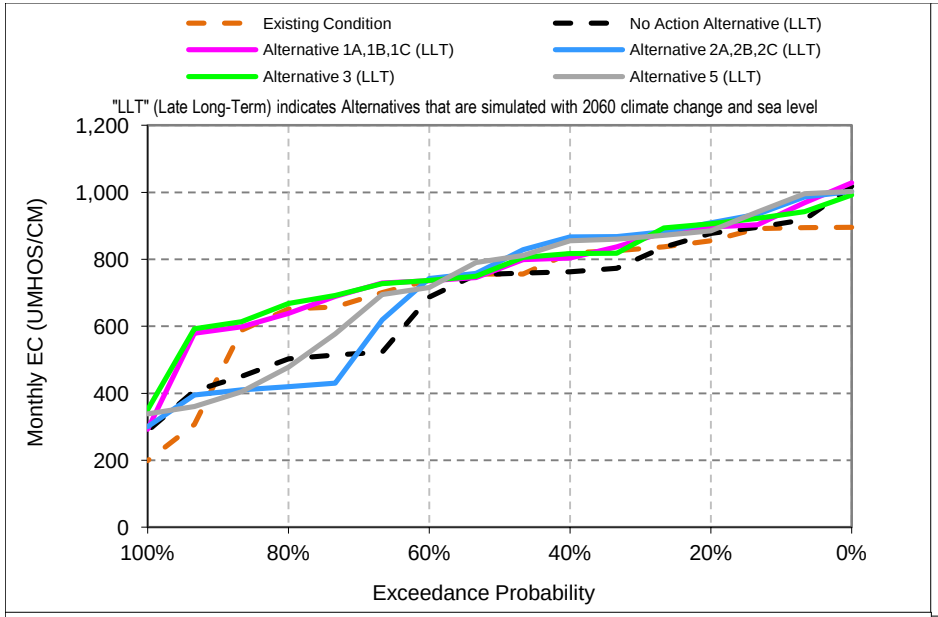


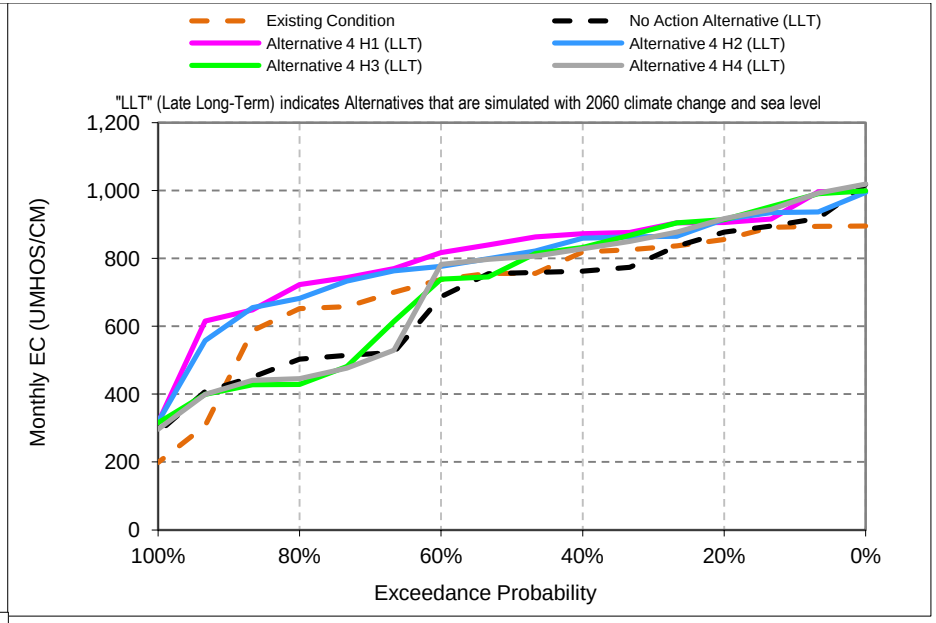


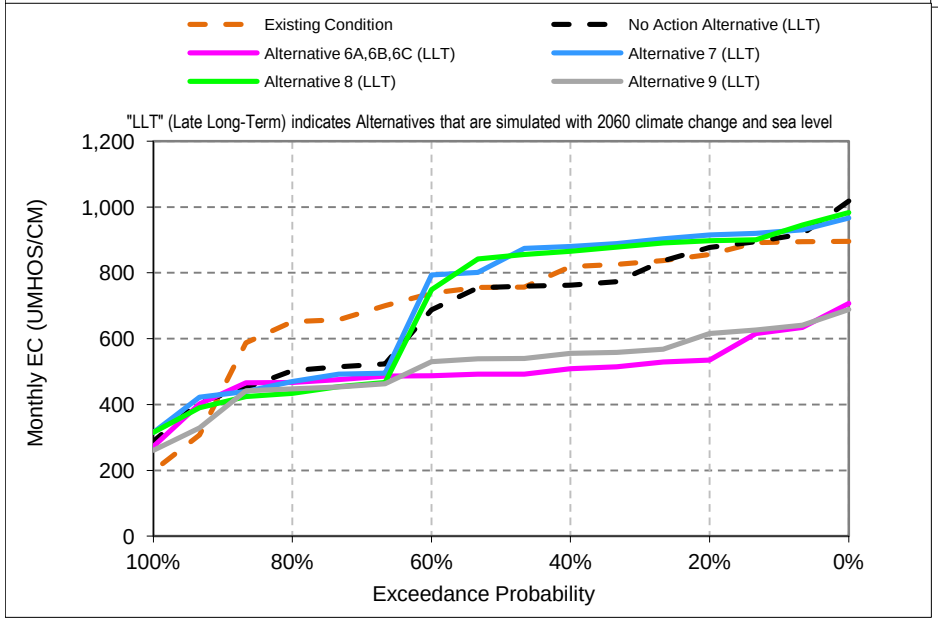
Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-36-8. Old River at Rock Slough, August EC



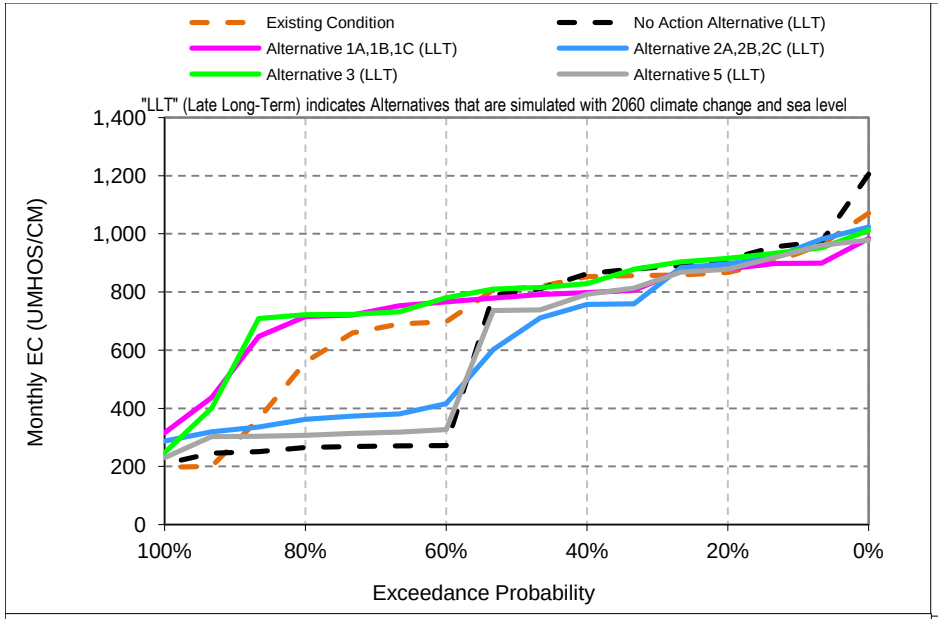


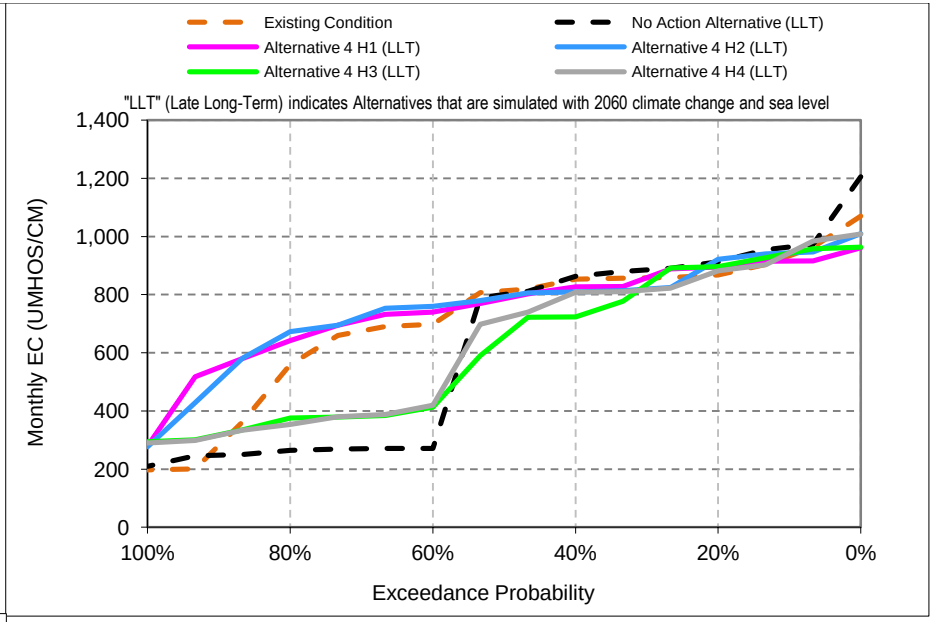


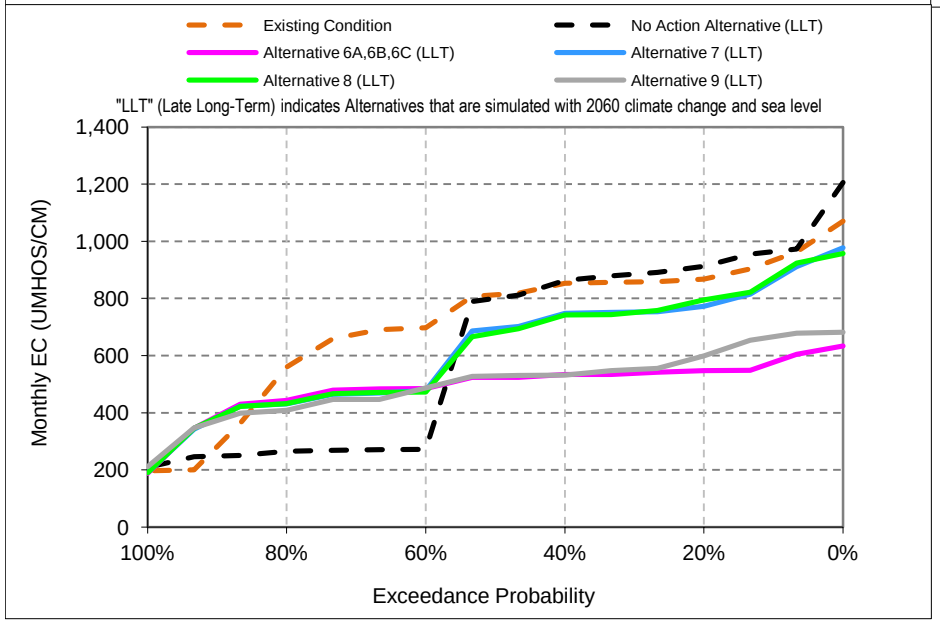
Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-36-9. Old River at Rock Slough, September EC



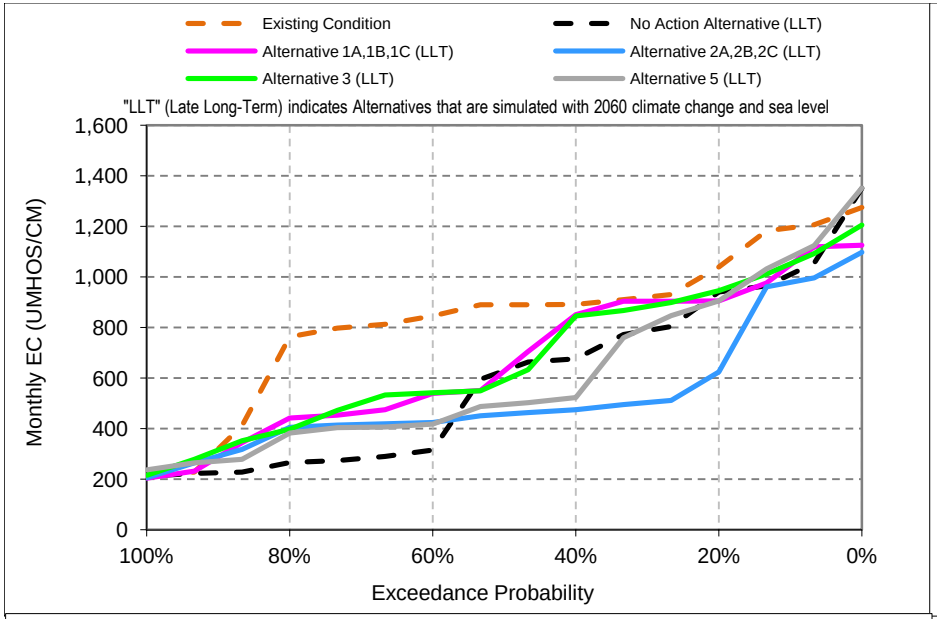


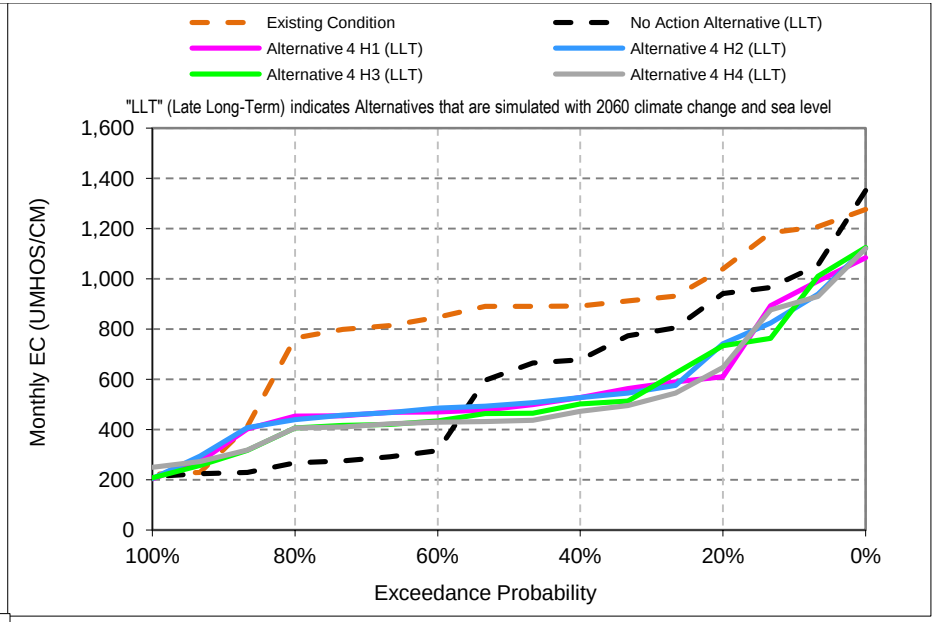


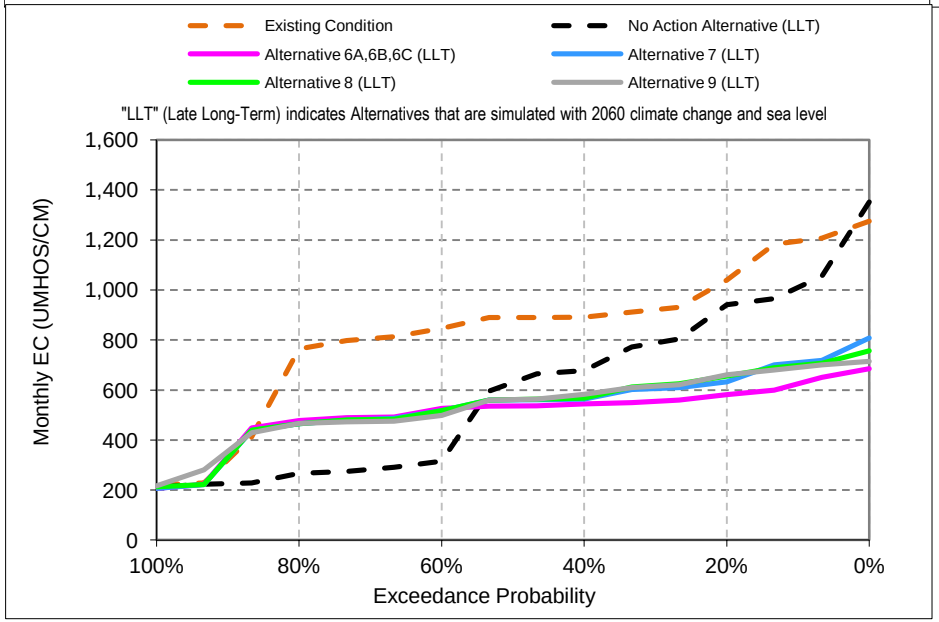
Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-36-10. Old River at Rock Slough, October EC



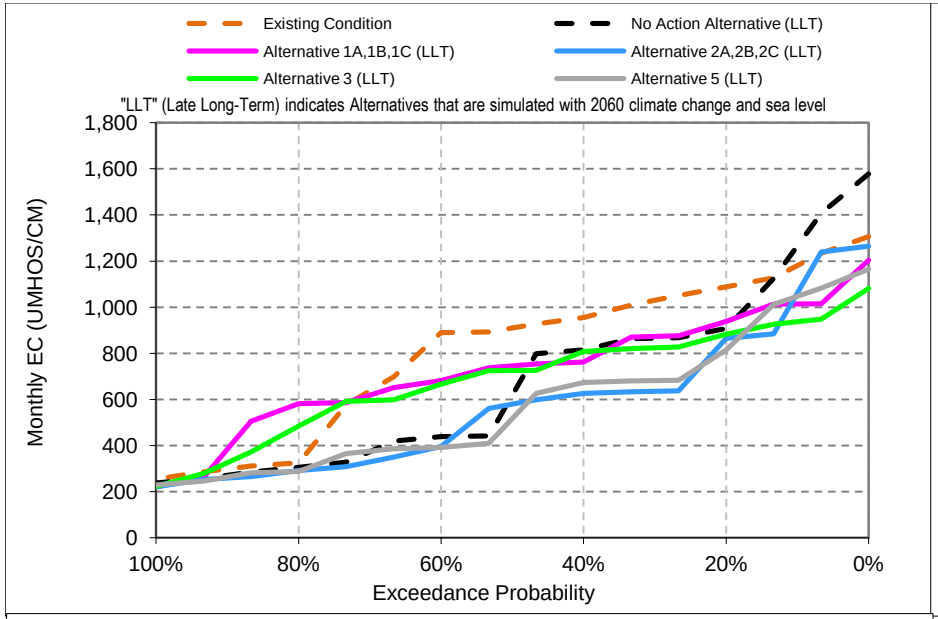


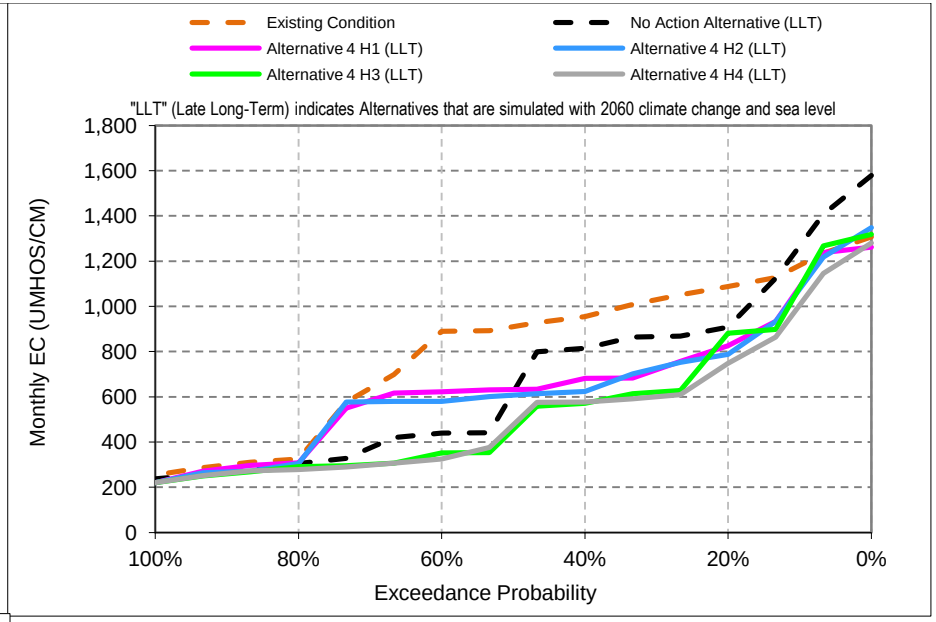


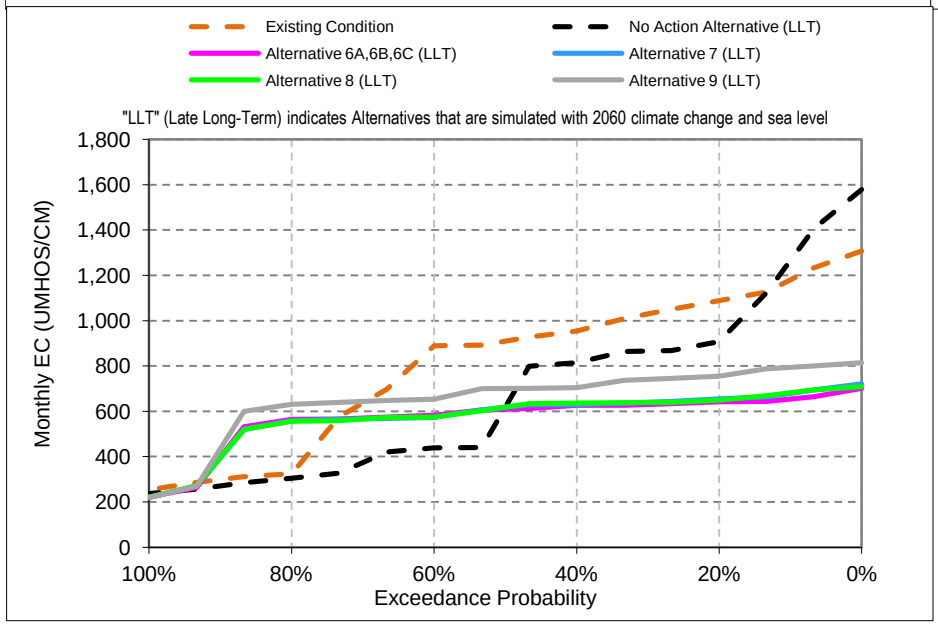
Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-36-11. Old River at Rock Slough, November EC







Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-36-12. Old River at Rock Slough, December EC

Table C-36-1. Old River at Rock Slough, Monthly EC

Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	933	1,195	1,181	916	579	461	426	409	409	896	963	893
20%	867	1,040	1,088	843	505	382	376	398	314	721	859	856
30%	857	921	1,030	804	448	376	371	391	307	697	755	831
40%	853	891	954	750	409	348	357	350	287	554	732	819
50%	813	890	910	728	408	333	356	336	285	507	697	756
60%	698	846	890	620	400	332	347	332	280	367	528	738
70%	675	806	637	486	347	287	327	300	277	282	386	679
80%	560	764	324	370	309	259	306	289	273	248	359	652
90%	282	320	299	319	286	248	271	245	234	242	312	448
Long Term												
Full Simulation Period[a]	710	831	808	644	428	344	346	334	310	525	618	711
Water Year Types[b]												
Wet (31%)	527	691	475	407	323	301	278	276	254	264	319	466
Above Normal (25%)	915	1,036	1,181	639	405	326	356	345	293	238	348	620
Below Normal (6%)	691	891	928	927	400	305	370	395	273	367	528	856
Dry (13%)	684	935	933	704	408	325	379	360	272	572	719	828
Critical (25%)	801	766	802	733	542	410	366	344	398	844	904	821

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	964	1,010	1,266	823	622	480	437	403	478	751	724	907
20%	913	941	908	795	548	442	423	384	353	633	670	878
30%	885	788	866	782	446	393	380	380	305	568	655	805
40%	863	677	815	741	403	359	367	369	303	535	627	763
50%	800	630	620	675	386	357	347	361	294	432	592	757
60%	272	316	439	574	367	341	329	337	283	367	426	687
70%	270	283	374	449	348	293	326	319	274	259	360	519
80%	265	267	305	365	311	263	304	281	253	248	347	503
90%	248	226	270	335	286	234	254	219	237	240	317	429
Long Term												
Full Simulation Period[a]	629	602	692	613	426	359	348	337	329	460	526	686
Water Year Types[b]												
Wet (31%)	527	616	445	387	307	312	261	268	255	246	322	433
Above Normal (25%)	943	857	1,351	625	368	293	316	287	253	240	355	477
Below Normal (6%)	269	291	439	900	399	301	353	394	286	374	591	878
Dry (13%)	419	478	610	664	433	337	381	362	287	522	592	799
Critical (25%)	824	652	742	690	545	451	403	382	460	686	692	842

No Action Alternative (LLT) minus Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	30	-185	85	-93	43	19	11	-6	69	-145	-239	13
20%	45	-99	-180	-48	43	59	47	-14	39	-89	-189	22
30%	28	-132	-164	-22	-2	17	9	-11	-3	-129	-99	-26
40%	11	-214	-139	-9	-6	11	11	19	16	-19	-106	-56
50%	-13	-260	-290	-53	-22	25	-9	25	9	-75	-104	1
60%	-426	-530	-450	-47	-33	9	-18	6	2	0	-102	-51
70%	-405	-523	-263	-38	1	6	-1	20	-2	-23	-26	-160
80%	-295	-497	-19	-5	1	4	-3	-8	-20	0	-12	-149
90%	-34	-94	-28	16	0	-14	-17	-27	3	-1	6	-19
Long Term												
Full Simulation Period[a]	-82	-229	-116	-32	-2	15	2	3	19	-65	-92	-25
Water Year Types[b]												
Wet (31%)	0	-75	-29	-20	-16	11	-17	-8	1	-18	4	-33
Above Normal (25%)	27	-179	170	-14	-37	-33	-40	-57	-40	2	7	-143
Below Normal (6%)	-422	-600	-488	-27	-1	-4	-17	-2	12	7	63	22
Dry (13%)	-264	-457	-323	-40	24	12	2	2	16	-50	-127	-29
Critical (25%)	24	-115	-60	-43	3	42	37	38	62	-158	-212	21

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

Table C-36-2. Old River at Rock Slough, Monthly EC

Existing Condition

Statistic	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	933	1,195	1,181	916	579	461	426	409	409	896	963	893
20%	867	1,040	1,088	843	505	382	376	398	314	721	859	856
30%	857	921	1,030	804	448	376	371	391	307	697	755	831
40%	853	891	954	750	409	348	357	350	287	554	732	819
50%	813	890	910	728	408	333	356	336	285	507	697	756
60%	698	846	890	620	400	332	347	332	280	367	528	738
70%	675	806	637	486	347	287	327	300	277	282	386	679
80%	560	764	324	370	309	259	306	289	273	248	359	652
90%	282	320	299	319	286	248	271	245	234	242	312	448
Long Term												
Full Simulation Period[a]	710	831	808	644	428	344	346	334	310	525	618	711
Water Year Types[b]												
Wet (31%)	527	691	475	407	323	301	278	276	254	264	319	466
Above Normal (25%)	915	1,036	1,181	639	405	326	356	345	293	238	348	620
Below Normal (6%)	691	891	928	927	400	305	370	395	273	367	528	856
Dry (13%)	684	935	933	704	408	325	379	360	272	572	719	828
Critical (25%)	801	766	802	733	542	410	366	344	398	844	904	821

Alternative 1A,1B,1C (LLT)

Statistic	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	899	1,048	1,014	934	653	495	419	390	504	894	883	936
20%	879	905	939	823	622	442	372	348	370	609	769	897
30%	840	905	873	795	595	404	345	337	322	506	649	859
40%	798	852	762	784	504	381	316	328	314	421	621	804
50%	786	629	745	769	464	347	316	311	304	387	591	772
60%	766	540	681	658	401	312	314	295	301	306	442	736
70%	737	464	618	605	381	294	299	283	280	287	424	709
80%	716	442	582	466	372	290	257	275	265	277	317	638
90%	542	289	384	378	296	258	224	225	248	261	291	589
Long Term												
Full Simulation Period[a]	754	671	729	691	475	365	325	310	342	465	569	758
Water Year Types[b]												
Wet (31%)	529	562	451	538	390	280	235	238	264	260	320	561
Above Normal (25%)	839	781	1,109	675	498	407	287	273	269	295	371	644
Below Normal (6%)	792	453	681	1,083	633	349	316	283	330	291	442	881
Dry (13%)	834	873	854	725	467	355	369	338	298	468	645	811
Critical (25%)	829	596	708	716	508	427	379	367	473	729	811	894

Alternative 1A,1B,1C (LLT) minus Existing Condition

Statistic	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-35	-147	-167	**18**	**74**	**35**	-7	-19	**95**	-2	-81	**43**
20%	**12**	-134	-150	-21	**118**	**60**	-4	-50	**56**	-113	-90	**41**
30%	-17	-16	-156	-9	**147**	**28**	-26	-53	**15**	-191	-106	**28**
40%	-55	-40	-192	**34**	**95**	**33**	-40	-21	**27**	-133	-112	-15
50%	-27	-261	-164	**41**	**56**	**14**	-40	-25	**19**	-120	-105	**16**
60%	**68**	-306	-208	**38**	**1**	-20	-33	-37	**20**	-60	-86	-2
70%	**62**	-342	-19	**118**	**34**	**7**	-28	-16	**4**	**5**	**37**	**30**
80%	**156**	-322	**258**	**97**	**63**	**32**	-50	-14	-8	**29**	-42	-14
90%	**260**	-32	**85**	**60**	**10**	**11**	-47	-21	**15**	**20**	-20	**141**
Long Term												
Full Simulation Period[a]	**44**	-160	-79	**47**	**47**	**21**	-21	-24	**33**	-60	-50	**47**
Water Year Types[b]												
Wet (31%)	**2**	-129	-24	**132**	**67**	-21	-42	-38	**10**	-3	**1**	**95**
Above Normal (25%)	-77	-255	-72	**36**	**92**	**81**	-69	-72	-25	**57**	**24**	**24**
Below Normal (6%)	**101**	-438	-246	**156**	**233**	**44**	-55	-112	**56**	-76	-86	**25**
Dry (13%)	**150**	-62	-79	**21**	**59**	**30**	-10	-22	**26**	-104	-74	-17
Critical (25%)	**28**	-170	-94	-17	-34	**18**	**13**	**23**	**75**	-115	-93	**73**

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-36-3. Old River at Rock Slough, Monthly EC

Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	933	1,195	1,181	916	579	461	426	409	409	896	963	893
20%	867	1,040	1,088	843	505	382	376	398	314	721	859	856
30%	857	921	1,030	804	448	376	371	391	307	697	755	831
40%	853	891	954	750	409	348	357	350	287	554	732	819
50%	813	890	910	728	408	333	356	336	285	507	697	756
60%	698	846	890	620	400	332	347	332	280	367	528	738
70%	675	806	637	486	347	287	327	300	277	282	386	679
80%	560	764	324	370	309	259	306	289	273	248	359	652
90%	282	320	299	319	286	248	271	245	234	242	312	448
Long Term												
Full Simulation Period[a]	710	831	808	644	428	344	346	334	310	525	618	711
Water Year Types[b]												
Wet (31%)	527	691	475	407	323	301	278	276	254	264	319	466
Above Normal (25%)	915	1,036	1,181	639	405	326	356	345	293	238	348	620
Below Normal (6%)	691	891	928	927	400	305	370	395	273	367	528	856
Dry (13%)	684	935	933	704	408	325	379	360	272	572	719	828
Critical (25%)	801	766	802	733	542	410	366	344	398	844	904	821

Alternative 2A,2B,2C (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	951	979	1,062	877	660	525	468	416	564	940	888	961
20%	897	624	865	786	510	478	442	393	386	604	733	909
30%	822	504	635	711	507	386	383	381	325	523	687	875
40%	757	476	626	591	457	372	365	369	323	438	626	867
50%	657	457	580	507	413	337	349	352	320	399	592	793
60%	416	425	395	427	368	309	346	343	316	330	567	742
70%	377	417	329	415	342	294	340	339	302	285	440	525
80%	362	405	292	351	323	290	267	305	291	277	352	420
90%	328	292	259	301	296	264	222	210	259	269	304	403
Long Term												
Full Simulation Period[a]	626	533	587	567	441	369	354	341	363	481	586	710
Water Year Types[b]												
Wet (31%)	492	390	421	474	406	283	246	255	271	268	334	381
Above Normal (25%)	840	775	919	633	512	421	306	284	309	303	460	525
Below Normal (6%)	374	414	395	712	444	352	345	374	321	287	439	867
Dry (13%)	461	535	543	442	385	359	429	381	309	461	636	829
Critical (25%)	830	574	660	686	484	429	401	393	509	777	829	919

Alternative 2A,2B,2C (LLT) minus Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	18	-216	-119	-39	81	64	42	7	155	44	-75	67
20%	30	-415	-224	-57	5	96	66	-4	72	-117	-126	53
30%	-36	-417	-395	-93	59	10	12	-10	18	-174	-68	43
40%	-96	-416	-329	-159	48	24	8	19	36	-116	-107	48
50%	-156	-433	-330	-221	5	4	-6	16	35	-108	-105	37
60%	-282	-421	-495	-193	-32	-23	-1	12	36	-37	39	4
70%	-298	-389	-308	-72	-6	7	13	39	26	3	54	-154
80%	-197	-359	-33	-18	14	31	-40	15	17	29	-7	-232
90%	46	-28	-40	-18	10	16	-49	-36	25	27	-8	-45
Long Term												
Full Simulation Period[a]	-85	-298	-221	-77	13	25	7	7	53	-45	-32	-1
Water Year Types[b]												
Wet (31%)	-35	-301	-53	67	83	-18	-32	-21	17	5	15	-85
Above Normal (25%)	-75	-262	-262	-7	107	95	-49	-61	16	65	112	-95
Below Normal (6%)	-317	-477	-533	-215	44	47	-26	-22	48	-80	-89	11
Dry (13%)	-223	-400	-390	-261	-23	34	50	21	37	-112	-83	1
Critical (25%)	29	-193	-142	-46	-59	19	35	50	111	-67	-75	98

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-36-4. Old River at Rock Slough, Monthly EC

Existing Condition

Statistic	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	933	1,195	1,181	916	579	461	426	409	409	896	963	893
20%	867	1,040	1,088	843	505	382	376	398	314	721	859	856
30%	857	921	1,030	804	448	376	371	391	307	697	755	831
40%	853	891	954	750	409	348	357	350	287	554	732	819
50%	813	890	910	728	408	333	356	336	285	507	697	756
60%	698	846	890	620	400	332	347	332	280	367	528	738
70%	675	806	637	486	347	287	327	300	277	282	386	679
80%	560	764	324	370	309	259	306	289	273	248	359	652
90%	282	320	299	319	286	248	271	245	234	242	312	448
Long Term												
Full Simulation Period[a]	710	831	808	644	428	344	346	334	310	525	618	711
Water Year Types[b]												
Wet (31%)	527	691	475	407	323	301	278	276	254	264	319	466
Above Normal (25%)	915	1,036	1,181	639	405	326	356	345	293	238	348	620
Below Normal (6%)	691	891	928	927	400	305	370	395	273	367	528	856
Dry (13%)	684	935	933	704	408	325	379	360	272	572	719	828
Critical (25%)	801	766	802	733	542	410	366	344	398	844	904	821

Alternative 3 (LLT)

Statistic	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	943	1,052	937	983	676	541	394	372	544	895	881	932
20%	915	947	883	835	507	433	384	339	371	614	777	907
30%	891	884	823	790	487	401	367	332	325	530	661	856
40%	829	846	807	770	451	378	324	323	317	414	622	817
50%	813	592	726	668	418	367	319	301	311	393	585	777
60%	780	543	666	576	393	320	313	282	303	309	457	737
70%	727	503	595	506	362	316	290	277	271	299	416	710
80%	722	398	485	402	355	310	275	270	245	286	315	668
90%	555	316	325	307	303	257	226	233	243	264	297	603
Long Term												
Full Simulation Period[a]	773	678	685	658	453	377	326	306	344	471	571	764
Water Year Types[b]												
Wet (31%)	523	594	400	370	339	298	241	240	259	261	316	576
Above Normal (25%)	920	782	954	613	358	369	322	276	261	307	386	670
Below Normal (6%)	709	398	725	1,138	507	394	322	282	331	292	439	907
Dry (13%)	846	887	837	754	466	349	328	307	292	477	642	809
Critical (25%)	867	592	675	732	560	461	394	376	490	735	819	889

Alternative 3 (LLT) minus Existing Condition

Statistic	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9	-142	-243	67	97	80	-32	-37	134	-1	-82	39
20%	48	-93	-206	-8	2	50	8	-59	56	-108	-82	51
30%	33	-37	-206	-14	40	25	-4	-59	18	-166	-94	25
40%	-24	-45	-147	21	42	30	-32	-27	30	-140	-111	-2
50%	0	-298	-184	-60	10	34	-37	-35	26	-114	-111	21
60%	82	-303	-224	-45	-8	-12	-34	-49	22	-58	-71	-1
70%	52	-303	-42	20	15	28	-37	-23	-5	17	30	30
80%	162	-366	160	32	46	52	-31	-19	-29	38	-44	16
90%	273	-4	26	-11	16	9	-45	-13	10	22	-15	155
Long Term												
Full Simulation Period[a]	62	-153	-123	13	25	33	-20	-28	35	-55	-47	53
Water Year Types[b]												
Wet (31%)	-4	-97	-75	-36	17	-3	-37	-35	5	-3	-3	110
Above Normal (25%)	5	-254	-227	-26	-47	43	-34	-69	-32	69	38	51
Below Normal (6%)	19	-493	-203	211	107	89	-48	-113	57	-75	-89	51
Dry (13%)	162	-48	-96	50	58	24	-51	-53	21	-95	-77	-19
Critical (25%)	67	-174	-127	0	18	52	28	32	92	-109	-85	68

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-36-5. Old River at Rock Slough, Monthly EC

Existing Condition

Statistic	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	933	1,195	1,181	916	579	461	426	409	409	896	963	893
20%	867	1,040	1,088	843	505	382	376	398	314	721	859	856
30%	857	921	1,030	804	448	376	371	391	307	697	755	831
40%	853	891	954	750	409	348	357	350	287	554	732	819
50%	813	890	910	728	408	333	356	336	285	507	697	756
60%	698	846	890	620	400	332	347	332	280	367	528	738
70%	675	806	637	486	347	287	327	300	277	282	386	679
80%	560	764	324	370	309	259	306	289	273	248	359	652
90%	282	320	299	319	286	248	271	245	234	242	312	448
Long Term												
Full Simulation Period[a]	710	831	808	644	428	344	346	334	310	525	618	711
Water Year Types[b]												
Wet (31%)	527	691	475	407	323	301	278	276	254	264	319	466
Above Normal (25%)	915	1,036	1,181	639	405	326	356	345	293	238	348	620
Below Normal (6%)	691	891	928	927	400	305	370	395	273	367	528	856
Dry (13%)	684	935	933	704	408	325	379	360	272	572	719	828
Critical (25%)	801	766	802	733	542	410	366	344	398	844	904	821

Alternative 4 H1 (LLT)

Statistic	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	916	942	1,085	905	513	524	445	417	552	925	885	956
20%	895	610	826	732	491	464	430	393	381	581	719	906
30%	858	575	719	666	478	389	379	381	339	538	669	891
40%	827	526	681	600	433	373	366	362	327	422	631	873
50%	786	488	632	579	410	343	358	341	325	403	616	852
60%	739	470	622	450	399	311	350	336	316	362	601	818
70%	713	461	583	411	370	306	337	329	303	295	482	757
80%	642	454	308	353	328	299	267	304	291	276	346	723
90%	549	337	284	309	297	269	221	210	250	268	321	632
Long Term												
Full Simulation Period[a]	749	559	658	577	422	372	348	338	362	482	598	801
Water Year Types[b]												
Wet (31%)	505	385	334	343	352	288	246	255	270	270	365	646
Above Normal (25%)	828	776	927	511	418	419	314	284	309	319	479	760
Below Normal (6%)	803	402	682	1,017	480	391	370	379	351	298	436	864
Dry (13%)	780	632	815	639	425	362	399	369	307	474	642	827
Critical (25%)	878	587	679	652	464	424	397	392	503	759	830	907

Alternative 4 H1 (LLT) minus Existing Condition

Statistic	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-18	-253	-96	-11	-66	**64**	**19**	**8**	**143**	**29**	-78	**63**
20%	**28**	-429	-263	-111	-13	**81**	**55**	-4	**67**	-140	-141	**50**
30%	**1**	-345	-310	-138	**30**	**13**	**8**	-9	**32**	-159	-86	**59**
40%	-26	-365	-273	-150	**24**	**25**	**9**	**13**	**40**	-131	-102	**54**
50%	-26	-402	-278	-149	**2**	**11**	**2**	**5**	**40**	-103	-81	**96**
60%	**42**	-376	-267	-170	-1	-21	**3**	**5**	**35**	-4	**73**	**79**
70%	**38**	-345	-54	-75	**22**	**18**	**10**	**29**	**27**	**13**	**96**	**78**
80%	**82**	-311	-16	-16	**19**	**40**	-40	**15**	**17**	**28**	-14	**71**
90%	**267**	**16**	-15	-10	**10**	**21**	-49	-35	**16**	**27**	**9**	**184**
Long Term												
Full Simulation Period[a]	**39**	-272	-150	-68	-6	**28**	**2**	**4**	**53**	-44	-20	**90**
Water Year Types[b]												
Wet (31%)	-22	-306	-140	-64	**30**	-13	-31	-21	**16**	**7**	**47**	**180**
Above Normal (25%)	-87	-261	-254	-128	**13**	**93**	-42	-60	**16**	**81**	**131**	**140**
Below Normal (6%)	**113**	-490	-245	**90**	**80**	**86**	-1	-16	**78**	-69	-92	**8**
Dry (13%)	**96**	-304	-118	-64	**17**	**37**	**20**	**9**	**35**	-98	-77	-1
Critical (25%)	**78**	-180	-123	-81	-78	**14**	**31**	**48**	**105**	-85	-74	**86**

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-36-6. Old River at Rock Slough, Monthly EC

Existing Condition

Statistic	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	933	1,195	1,181	916	579	461	426	409	409	896	963	893
20%	867	1,040	1,088	843	505	382	376	398	314	721	859	856
30%	857	921	1,030	804	448	376	371	391	307	697	755	831
40%	853	891	954	750	409	348	357	350	287	554	732	819
50%	813	890	910	728	408	333	356	336	285	507	697	756
60%	698	846	890	620	400	332	347	332	280	367	528	738
70%	675	806	637	486	347	287	327	300	277	282	386	679
80%	560	764	324	370	309	259	306	289	273	248	359	652
90%	282	320	299	319	286	248	271	245	234	242	312	448
Long Term												
Full Simulation Period[a]	710	831	808	644	428	344	346	334	310	525	618	711
Water Year Types[b]												
Wet (31%)	527	691	475	407	323	301	278	276	254	264	319	466
Above Normal (25%)	915	1,036	1,181	639	405	326	356	345	293	238	348	620
Below Normal (6%)	691	891	928	927	400	305	370	395	273	367	528	856
Dry (13%)	684	935	933	704	408	325	379	360	272	572	719	828
Critical (25%)	801	766	802	733	542	410	366	344	398	844	904	821

Alternative 4 H2 (LLT)

Statistic	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	943	881	1,076	780	576	504	458	454	544	859	866	936
20%	922	741	787	755	484	485	446	408	418	592	715	915
30%	819	560	727	678	480	416	437	397	370	468	701	865
40%	810	527	624	625	476	399	409	387	338	445	668	860
50%	793	500	607	594	433	354	383	373	333	400	553	811
60%	759	485	580	438	381	316	360	359	328	346	446	777
70%	724	462	578	408	367	309	343	349	325	305	400	749
80%	673	439	305	363	328	299	301	305	293	286	345	683
90%	505	350	268	310	296	265	221	210	255	279	314	606
Long Term												
Full Simulation Period[a]	751	564	648	557	427	378	370	355	373	469	574	780
Water Year Types[b]												
Wet (31%)	568	391	342	350	343	285	250	260	291	289	328	574
Above Normal (25%)	851	790	964	513	463	428	329	292	313	314	377	708
Below Normal (6%)	754	741	752	625	445	386	360	408	324	286	446	865
Dry (13%)	729	585	753	622	440	377	452	398	331	435	633	834
Critical (25%)	876	560	663	675	467	433	418	410	506	739	828	914

Alternative 4 H2 (LLT) minus Existing Condition

Statistic	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	**10**	-314	-105	-136	-4	**44**	**33**	**45**	**135**	-37	-98	**43**
20%	**54**	-299	-301	-89	-20	**102**	**70**	**10**	**104**	-129	-145	**60**
30%	-38	-361	-303	-125	**32**	**40**	**67**	**6**	**63**	-229	-54	**33**
40%	-43	-365	-330	-125	**67**	**51**	**52**	**37**	**51**	-109	-64	**41**
50%	-20	-390	-303	-134	**25**	**21**	**28**	**37**	**48**	-107	-143	**55**
60%	**62**	-361	-309	-183	-19	-16	**13**	**27**	**48**	-21	-82	**39**
70%	**49**	-344	-59	-78	**19**	**22**	**16**	**49**	**48**	**24**	**13**	**70**
80%	**114**	-325	-19	-7	**18**	**41**	-6	**15**	**20**	**38**	-14	**31**
90%	**223**	**30**	-31	-9	**10**	**17**	-49	-35	**21**	**37**	**2**	**159**
Long Term												
Full Simulation Period[a]	**41**	-267	-160	-87	-1	**34**	**24**	**20**	**64**	-56	-44	**69**
Water Year Types[b]												
Wet (31%)	**41**	-300	-132	-57	**20**	-16	-27	-16	**37**	**26**	**10**	**108**
Above Normal (25%)	-65	-246	-217	-126	**57**	**102**	-27	-53	**20**	**76**	**29**	**88**
Below Normal (6%)	**63**	-151	-175	-302	**45**	**80**	-11	**12**	**51**	-81	-82	**10**
Dry (13%)	**45**	-351	-180	-82	**31**	**52**	**73**	**38**	**59**	-137	-86	**6**
Critical (25%)	**75**	-206	-139	-58	-75	**23**	**52**	**67**	**108**	-105	-76	**93**

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-36-7. Old River at Rock Slough, Monthly EC

Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	933	1,195	1,181	916	579	461	426	409	409	896	963	893
20%	867	1,040	1,088	843	505	382	376	398	314	721	859	856
30%	857	921	1,030	804	448	376	371	391	307	697	755	831
40%	853	891	954	750	409	348	357	350	287	554	732	819
50%	813	890	910	728	408	333	356	336	285	507	697	756
60%	698	846	890	620	400	332	347	332	280	367	528	738
70%	675	806	637	486	347	287	327	300	277	282	386	679
80%	560	764	324	370	309	259	306	289	273	248	359	652
90%	282	320	299	319	286	248	271	245	234	242	312	448
Long Term												
Full Simulation Period[a]	710	831	808	644	428	344	346	334	310	525	618	711
Water Year Types[b]												
Wet (31%)	527	691	475	407	323	301	278	276	254	264	319	466
Above Normal (25%)	915	1,036	1,181	639	405	326	356	345	293	238	348	620
Below Normal (6%)	691	891	928	927	400	305	370	395	273	367	528	856
Dry (13%)	684	935	933	704	408	325	379	360	272	572	719	828
Critical (25%)	801	766	802	733	542	410	366	344	398	844	904	821

Alternative 4 H3 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	942	886	1,083	659	512	505	445	415	561	940	896	972
20%	896	734	881	587	476	457	435	393	386	591	747	915
30%	835	568	621	569	431	382	392	380	325	522	664	886
40%	723	501	571	540	400	371	380	371	323	438	617	833
50%	656	464	456	429	386	339	363	352	317	392	599	780
60%	413	433	352	422	368	311	350	341	313	363	583	739
70%	382	418	301	376	338	298	342	332	302	283	477	548
80%	376	405	291	348	327	294	267	304	291	276	349	429
90%	318	286	259	304	299	263	221	210	250	268	305	414
Long Term												
Full Simulation Period[a]	621	541	567	480	401	365	352	340	360	480	595	714
Water Year Types[b]												
Wet (31%)	477	388	336	344	353	286	246	255	270	268	354	406
Above Normal (25%)	868	794	945	511	424	420	314	284	309	320	483	521
Below Normal (6%)	376	416	353	552	441	388	349	375	313	282	440	868
Dry (13%)	464	538	544	444	384	355	408	371	304	471	632	829
Critical (25%)	811	589	662	592	435	411	407	398	506	762	835	916

Alternative 4 H3 (LLT) minus Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9	-309	-98	-257	-67	45	19	7	151	44	-67	79
20%	29	-306	-208	-256	-29	75	59	-5	72	-130	-113	59
30%	-23	-352	-409	-234	-16	6	21	-11	18	-174	-91	55
40%	-130	-390	-383	-210	-9	23	23	21	36	-116	-116	14
50%	-157	-426	-454	-299	-21	6	7	16	32	-114	-97	24
60%	-285	-413	-537	-199	-32	-21	3	10	33	-4	55	1
70%	-293	-388	-336	-111	-9	10	15	32	25	1	91	-131
80%	-183	-359	-33	-21	17	35	-40	15	17	28	-11	-223
90%	36	-34	-40	-15	13	15	-50	-35	16	26	-7	-34
Long Term												
Full Simulation Period[a]	-90	-291	-241	-164	-27	21	6	5	51	-45	-23	3
Water Year Types[b]												
Wet (31%)	-50	-303	-139	-63	30	-15	-31	-21	16	5	35	-60
Above Normal (25%)	-48	-242	-236	-128	19	94	-42	-60	16	82	135	-98
Below Normal (6%)	-314	-476	-575	-374	41	83	-22	-21	39	-84	-88	12
Dry (13%)	-220	-398	-389	-260	-25	30	30	10	32	-101	-87	1
Critical (25%)	11	-178	-140	-141	-108	2	41	54	109	-82	-69	95

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-36-8. Old River at Rock Slough, Monthly EC

Existing Condition

Statistic	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	933	1,195	1,181	916	579	461	426	409	409	896	963	893
20%	867	1,040	1,088	843	505	382	376	398	314	721	859	856
30%	857	921	1,030	804	448	376	371	391	307	697	755	831
40%	853	891	954	750	409	348	357	350	287	554	732	819
50%	813	890	910	728	408	333	356	336	285	507	697	756
60%	698	846	890	620	400	332	347	332	280	367	528	738
70%	675	806	637	486	347	287	327	300	277	282	386	679
80%	560	764	324	370	309	259	306	289	273	248	359	652
90%	282	320	299	319	286	248	271	245	234	242	312	448
Long Term												
Full Simulation Period[a]	710	831	808	644	428	344	346	334	310	525	618	711
Water Year Types[b]												
Wet (31%)	527	691	475	407	323	301	278	276	254	264	319	466
Above Normal (25%)	915	1,036	1,181	639	405	326	356	345	293	238	348	620
Below Normal (6%)	691	891	928	927	400	305	370	395	273	367	528	856
Dry (13%)	684	935	933	704	408	325	379	360	272	572	719	828
Critical (25%)	801	766	802	733	542	410	366	344	398	844	904	821

Alternative 4 H4 (LLT)

Statistic	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	943	903	1,005	804	620	581	475	460	549	905	866	969
20%	881	647	747	660	530	476	452	422	419	564	713	917
30%	816	519	600	603	483	421	442	400	377	457	675	864
40%	808	472	577	500	446	387	423	386	353	427	650	829
50%	719	434	476	450	396	344	390	373	336	372	524	802
60%	419	429	326	429	365	313	359	358	332	346	438	783
70%	384	416	298	406	345	304	346	348	327	312	411	503
80%	354	406	278	345	323	290	302	304	293	295	345	446
90%	317	295	262	304	298	263	221	210	255	279	314	420
Long Term												
Full Simulation Period[a]	632	529	544	516	432	384	374	357	377	469	566	713
Water Year Types[b]												
Wet (31%)	538	374	337	382	358	284	250	260	291	292	338	403
Above Normal (25%)	897	797	927	513	441	428	329	292	313	314	377	487
Below Normal (6%)	354	409	376	660	446	387	359	406	369	298	414	877
Dry (13%)	460	519	508	431	386	361	454	403	331	411	600	857
Critical (25%)	796	577	620	664	521	465	430	414	510	752	829	902

Alternative 4 H4 (LLT) minus Existing Condition

Statistic	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	10	-292	-176	-112	41	121	49	51	139	9	-97	75
20%	14	-392	-341	-183	26	93	76	24	104	-157	-147	61
30%	-41	-402	-430	-200	35	45	71	9	69	-239	-80	32
40%	-45	-419	-378	-250	37	40	67	37	66	-127	-82	10
50%	-94	-456	-434	-278	-12	11	34	37	51	-135	-172	46
60%	-278	-417	-564	-191	-35	-19	12	27	52	-21	-90	45
70%	-291	-390	-339	-81	-2	17	19	48	51	30	25	-176
80%	-206	-358	-46	-24	14	31	-5	15	20	47	-14	-206
90%	35	-25	-37	-15	12	15	-50	-35	21	37	2	-27
Long Term												
Full Simulation Period[a]	-78	-303	-264	-128	4	40	28	23	68	-56	-52	2
Water Year Types[b]												
Wet (31%)	11	-317	-138	-25	36	-16	-27	-16	37	28	19	-63
Above Normal (25%)	-18	-240	-253	-126	36	102	-26	-53	20	76	29	-132
Below Normal (6%)	-337	-482	-551	-266	46	82	-12	11	96	-69	-114	22
Dry (13%)	-224	-416	-425	-273	-23	36	76	43	59	-161	-119	29
Critical (25%)	-4	-190	-182	-69	-21	56	63	70	112	-92	-75	81

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-36-9. Old River at Rock Slough, Monthly EC

Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	933	1,195	1,181	916	579	461	426	409	409	896	963	893
20%	867	1,040	1,088	843	505	382	376	398	314	721	859	856
30%	857	921	1,030	804	448	376	371	391	307	697	755	831
40%	853	891	954	750	409	348	357	350	287	554	732	819
50%	813	890	910	728	408	333	356	336	285	507	697	756
60%	698	846	890	620	400	332	347	332	280	367	528	738
70%	675	806	637	486	347	287	327	300	277	282	386	679
80%	560	764	324	370	309	259	306	289	273	248	359	652
90%	282	320	299	319	286	248	271	245	234	242	312	448
Long Term												
Full Simulation Period[a]	710	831	808	644	428	344	346	334	310	525	618	711
Water Year Types[b]												
Wet (31%)	527	691	475	407	323	301	278	276	254	264	319	466
Above Normal (25%)	915	1,036	1,181	639	405	326	356	345	293	238	348	620
Below Normal (6%)	691	891	928	927	400	305	370	395	273	367	528	856
Dry (13%)	684	935	933	704	408	325	379	360	272	572	719	828
Critical (25%)	801	766	802	733	542	410	366	344	398	844	904	821

Alternative 5 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	940	1,079	1,047	833	664	500	420	412	506	910	873	969
20%	878	906	814	813	505	485	367	384	362	657	745	885
30%	841	804	682	778	458	386	363	373	319	594	711	866
40%	793	523	673	708	424	367	343	364	315	435	678	855
50%	737	496	518	612	410	337	338	335	299	395	655	801
60%	327	419	391	529	364	331	334	319	287	360	555	716
70%	316	406	376	449	343	312	320	314	276	311	529	637
80%	307	383	287	341	322	282	300	285	252	273	358	478
90%	303	272	264	310	316	247	238	217	248	263	331	383
Long Term												
Full Simulation Period[a]	612	621	583	617	439	360	336	331	337	490	617	724
Water Year Types[b]												
Wet (31%)	502	676	396	440	332	304	255	268	254	272	415	468
Above Normal (25%)	835	943	1,089	501	356	299	313	287	265	284	422	491
Below Normal (6%)	307	404	409	808	423	331	367	400	300	362	663	860
Dry (13%)	439	528	520	739	495	359	350	352	296	495	640	829
Critical (25%)	809	565	616	671	518	434	392	369	473	767	830	911

Alternative 5 (LLT) minus Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	6	-116	-133	-83	85	39	-6	3	96	14	-90	75
20%	11	-133	-274	-30	0	102	-9	-14	48	-65	-114	29
30%	-17	-117	-348	-26	11	10	-8	-17	12	-103	-44	35
40%	-60	-369	-281	-42	15	19	-14	14	28	-119	-54	36
50%	-75	-394	-392	-116	2	4	-18	-1	14	-112	-42	45
60%	-371	-427	-499	-91	-36	0	-13	-12	7	-6	27	-22
70%	-359	-400	-261	-38	-4	24	-8	14	-1	29	143	-42
80%	-253	-381	-37	-29	12	23	-6	-5	-22	25	-1	-174
90%	22	-48	-35	-9	30	0	-33	-28	14	21	19	-65
Long Term												
Full Simulation Period[a]	-99	-211	-225	-27	12	15	-10	-3	28	-36	-1	13
Water Year Types[b]												
Wet (31%)	-25	-15	-78	33	9	4	-23	-8	0	8	97	2
Above Normal (25%)	-80	-94	-92	-138	-49	-27	-43	-57	-28	46	74	-129
Below Normal (6%)	-384	-487	-518	-119	23	26	-4	5	27	-4	135	5
Dry (13%)	-245	-407	-413	35	86	34	-29	-8	24	-77	-79	1
Critical (25%)	8	-201	-186	-61	-24	24	26	26	75	-77	-74	90

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-36-10. Old River at Rock Slough, Monthly EC

Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	933	1,195	1,181	916	579	461	426	409	409	896	963	893
20%	867	1,040	1,088	843	505	382	376	398	314	721	859	856
30%	857	921	1,030	804	448	376	371	391	307	697	755	831
40%	853	891	954	750	409	348	357	350	287	554	732	819
50%	813	890	910	728	408	333	356	336	285	507	697	756
60%	698	846	890	620	400	332	347	332	280	367	528	738
70%	675	806	637	486	347	287	327	300	277	282	386	679
80%	560	764	324	370	309	259	306	289	273	248	359	652
90%	282	320	299	319	286	248	271	245	234	242	312	448
Long Term												
Full Simulation Period[a]	710	831	808	644	428	344	346	334	310	525	618	711
Water Year Types[b]												
Wet (31%)	527	691	475	407	323	301	278	276	254	264	319	466
Above Normal (25%)	915	1,036	1,181	639	405	326	356	345	293	238	348	620
Below Normal (6%)	691	891	928	927	400	305	370	395	273	367	528	856
Dry (13%)	684	935	933	704	408	325	379	360	272	572	719	828
Critical (25%)	801	766	802	733	542	410	366	344	398	844	904	821

Alternative 6A,6B,6C (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	577	625	654	791	821	862	778	616	503	591	696	625
20%	547	581	642	758	816	848	770	610	487	575	543	535
30%	538	555	630	751	809	837	726	600	480	533	532	522
40%	534	545	627	746	797	834	693	573	477	467	503	509
50%	524	536	608	738	795	808	660	540	471	441	475	492
60%	485	526	582	729	705	611	380	395	462	413	450	487
70%	482	491	571	723	607	319	345	349	428	404	440	481
80%	443	477	564	716	403	292	305	310	384	369	431	467
90%	388	336	398	374	297	266	221	216	371	347	403	434
Long Term												
Full Simulation Period[a]	490	507	566	678	654	617	536	459	447	470	507	505
Water Year Types[b]												
Wet (31%)	398	378	441	549	406	281	249	270	365	431	411	404
Above Normal (25%)	579	610	653	627	499	412	316	282	480	543	508	487
Below Normal (6%)	485	526	582	716	534	337	380	379	384	330	399	466
Dry (13%)	473	499	579	732	801	858	730	566	449	393	449	502
Critical (25%)	544	570	619	750	819	830	731	612	510	560	650	604

Alternative 6A,6B,6C (LLT) minus Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-357	-570	-527	-125	**242**	**401**	**352**	**207**	**94**	-305	-267	-268
20%	-320	-458	-446	-85	**311**	**466**	**394**	**213**	**173**	-147	-317	-320
30%	-319	-366	-400	-53	**361**	**461**	**355**	**209**	**172**	-164	-223	-310
40%	-319	-347	-328	-4	**387**	**486**	**337**	**223**	**189**	-87	-229	-310
50%	-289	-354	-301	**10**	**387**	**475**	**305**	**204**	**186**	-66	-222	-264
60%	-213	-320	-307	**108**	**305**	**279**	**33**	**63**	**181**	**47**	-78	-251
70%	-193	-315	-66	**237**	**259**	**31**	**17**	**49**	**151**	**122**	**54**	-198
80%	-116	-287	**240**	**347**	**93**	**33**	-1	**21**	**110**	**121**	**72**	-185
90%	**106**	**16**	**99**	**56**	**11**	**18**	-50	-29	**137**	**106**	**92**	-14
Long Term												
Full Simulation Period[a]	-220	-325	-242	**33**	**226**	**272**	**190**	**125**	**137**	-56	-112	-206
Water Year Types[b]												
Wet (31%)	-129	-313	-34	**142**	**84**	-20	-29	-6	**111**	**168**	**93**	-62
Above Normal (25%)	-336	-426	-528	-12	**94**	**86**	-40	-63	**187**	**305**	**160**	-133
Below Normal (6%)	-206	-365	-345	-210	**134**	**32**	**10**	-17	**110**	-37	-129	-390
Dry (13%)	-210	-436	-354	**28**	**393**	**533**	**351**	**205**	**177**	-179	-270	-326
Critical (25%)	-257	-196	-183	**17**	**277**	**421**	**365**	**268**	**112**	-284	-254	-217

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-36-11. Old River at Rock Slough, Monthly EC

Existing Condition

Statistic	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	933	1,195	1,181	916	579	461	426	409	409	896	963	893
20%	867	1,040	1,088	843	505	382	376	398	314	721	859	856
30%	857	921	1,030	804	448	376	371	391	307	697	755	831
40%	853	891	954	750	409	348	357	350	287	554	732	819
50%	813	890	910	728	408	333	356	336	285	507	697	756
60%	698	846	890	620	400	332	347	332	280	367	528	738
70%	675	806	637	486	347	287	327	300	277	282	386	679
80%	560	764	324	370	309	259	306	289	273	248	359	652
90%	282	320	299	319	286	248	271	245	234	242	312	448
Long Term												
Full Simulation Period[a]	710	831	808	644	428	344	346	334	310	525	618	711
Water Year Types[b]												
Wet (31%)	527	691	475	407	323	301	278	276	254	264	319	466
Above Normal (25%)	915	1,036	1,181	639	405	326	356	345	293	238	348	620
Below Normal (6%)	691	891	928	927	400	305	370	395	273	367	528	856
Dry (13%)	684	935	933	704	408	325	379	360	272	572	719	828
Critical (25%)	801	766	802	733	542	410	366	344	398	844	904	821

Alternative 7 (LLT)

Statistic	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	863	709	679	765	819	857	767	613	484	597	904	925
20%	772	633	655	758	810	835	748	598	477	506	892	915
30%	752	606	640	752	801	828	721	588	471	486	812	896
40%	748	563	630	738	782	820	701	559	471	443	798	880
50%	694	560	618	723	780	807	661	538	466	419	728	838
60%	478	517	573	710	691	648	391	389	462	401	482	794
70%	467	483	567	696	606	353	343	345	429	296	444	494
80%	431	465	559	673	552	318	302	306	390	292	391	470
90%	382	330	395	343	307	268	220	210	381	273	357	431
Long Term												
Full Simulation Period[a]	620	536	572	661	659	620	534	454	437	428	654	719
Water Year Types[b]												
Wet (31%)	497	388	441	540	421	294	247	266	368	277	390	418
Above Normal (25%)	832	684	664	558	516	430	316	274	475	289	391	481
Below Normal (6%)	469	517	573	673	601	386	391	374	390	408	753	931
Dry (13%)	517	504	576	714	788	841	720	559	451	571	764	851
Critical (25%)	746	623	638	753	815	828	729	607	475	495	863	908

Alternative 7 (LLT) minus Existing Condition

Statistic	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-70	-486	-502	-151	**240**	**396**	**341**	**204**	**75**	-299	-60	**32**
20%	-95	-406	-433	-85	**306**	**452**	**372**	**201**	**162**	-215	**32**	**59**
30%	-105	-315	-389	-52	**353**	**452**	**350**	**197**	**164**	-211	**57**	**65**
40%	-105	-328	-324	-12	**373**	**472**	**344**	**210**	**183**	-110	**66**	**62**
50%	-119	-330	-291	-5	**372**	**474**	**305**	**202**	**181**	-88	**32**	**82**
60%	-220	-329	-317	**90**	**291**	**316**	**44**	**57**	**182**	**35**	-46	**55**
70%	-208	-322	-70	**209**	**259**	**65**	**16**	**45**	**152**	**14**	**57**	-185
80%	-128	-299	**235**	**304**	**243**	**59**	-4	**17**	**117**	**44**	**31**	-182
90%	**101**	**10**	**96**	**24**	**21**	**21**	-51	-36	**147**	**31**	**45**	-17
Long Term												
Full Simulation Period[a]	-91	-296	-236	**16**	**231**	**276**	**187**	**119**	**128**	-97	**36**	**8**
Water Year Types[b]												
Wet (31%)	-30	-303	-34	**133**	**98**	-7	-31	-9	**114**	**13**	**71**	-48
Above Normal (25%)	-83	-352	-516	-82	**111**	**104**	-40	-70	**182**	**51**	**43**	-139
Below Normal (6%)	-222	-374	-355	-253	**200**	**81**	**20**	-21	**117**	**41**	**225**	**75**
Dry (13%)	-167	-431	-357	**10**	**380**	**516**	**341**	**198**	**180**	-1	**45**	**23**
Critical (25%)	-55	-143	-164	**21**	**273**	**418**	**363**	**263**	**77**	-349	-41	**87**

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-36-12. Old River at Rock Slough, Monthly EC

Existing Condition

Statistic	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	933	1,195	1,181	916	579	461	426	409	409	896	963	893
20%	867	1,040	1,088	843	505	382	376	398	314	721	859	856
30%	857	921	1,030	804	448	376	371	391	307	697	755	831
40%	853	891	954	750	409	348	357	350	287	554	732	819
50%	813	890	910	728	408	333	356	336	285	507	697	756
60%	698	846	890	620	400	332	347	332	280	367	528	738
70%	675	806	637	486	347	287	327	300	277	282	386	679
80%	560	764	324	370	309	259	306	289	273	248	359	652
90%	282	320	299	319	286	248	271	245	234	242	312	448
Long Term												
Full Simulation Period[a]	710	831	808	644	428	344	346	334	310	525	618	711
Water Year Types[b]												
Wet (31%)	527	691	475	407	323	301	278	276	254	264	319	466
Above Normal (25%)	915	1,036	1,181	639	405	326	356	345	293	238	348	620
Below Normal (6%)	691	891	928	927	400	305	370	395	273	367	528	856
Dry (13%)	684	935	933	704	408	325	379	360	272	572	719	828
Critical (25%)	801	766	802	733	542	410	366	344	398	844	904	821

Alternative 8 (LLT)

Statistic	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	873	698	682	778	816	856	766	608	481	485	826	923
20%	795	656	650	759	811	836	744	594	473	417	759	898
30%	751	619	639	755	800	825	721	580	471	397	706	884
40%	742	567	637	749	794	816	701	559	465	369	597	865
50%	680	562	618	736	768	806	656	535	458	356	549	849
60%	473	517	575	724	716	653	392	389	443	343	433	749
70%	469	482	566	691	588	354	344	345	411	334	364	461
80%	433	465	556	662	546	318	302	306	390	311	347	434
90%	384	331	397	346	308	268	219	210	378	298	329	407
Long Term												
Full Simulation Period[a]	619	535	572	662	657	620	533	450	432	379	555	706
Water Year Types[b]												
Wet (31%)	499	392	442	534	412	294	247	266	368	299	333	391
Above Normal (25%)	809	658	656	576	528	432	317	274	475	334	346	461
Below Normal (6%)	467	517	573	662	597	389	392	375	390	311	545	946
Dry (13%)	517	511	581	720	786	841	720	557	448	379	562	877
Critical (25%)	751	623	635	751	814	827	726	598	461	473	814	871

Alternative 8 (LLT) minus Existing Condition

Statistic	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-60	-497	-499	-138	**237**	**395**	**341**	**199**	**72**	-411	-137	**30**
20%	-73	-383	-439	-84	**307**	**454**	**368**	**196**	**159**	-304	-100	**43**
30%	-107	-302	-390	-48	**353**	**449**	**350**	**189**	**164**	-300	-49	**53**
40%	-111	-324	-317	-1	**385**	**468**	**344**	**209**	**177**	-184	-135	**46**
50%	-133	-328	-292	**8**	**361**	**473**	**300**	**199**	**173**	-151	-148	**93**
60%	-225	-329	-315	**103**	**316**	**321**	**45**	**57**	**163**	-24	-95	**10**
70%	-206	-324	-71	**204**	**241**	**67**	**17**	**46**	**134**	**53**	-23	-218
80%	-127	-299	**232**	**293**	**237**	**59**	-4	**17**	**117**	**63**	-12	-218
90%	**103**	**11**	**98**	**27**	**22**	**21**	-51	-36	**144**	**56**	**17**	-40
Long Term												
Full Simulation Period[a]	-91	-296	-236	**17**	**229**	**276**	**186**	**116**	**122**	-147	-63	-5
Water Year Types[b]												
Wet (31%)	-28	-299	-33	**128**	**90**	-7	-31	-10	**114**	**35**	**15**	-75
Above Normal (25%)	-106	-378	-525	-63	**122**	**106**	-39	-70	**181**	**96**	-2	-159
Below Normal (6%)	-224	-374	-355	-264	**197**	**83**	**21**	-21	**117**	-55	**17**	**90**
Dry (13%)	-167	-425	-352	**17**	**377**	**516**	**341**	**197**	**176**	-193	-157	**49**
Critical (25%)	-50	-143	-167	**19**	**272**	**417**	**360**	**255**	**63**	-371	-90	**50**

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-36-13. Old River at Rock Slough, Monthly EC

Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	933	1,195	1,181	916	579	461	426	409	409	896	963	893
20%	867	1,040	1,088	843	505	382	376	398	314	721	859	856
30%	857	921	1,030	804	448	376	371	391	307	697	755	831
40%	853	891	954	750	409	348	357	350	287	554	732	819
50%	813	890	910	728	408	333	356	336	285	507	697	756
60%	698	846	890	620	400	332	347	332	280	367	528	738
70%	675	806	637	486	347	287	327	300	277	282	386	679
80%	560	764	324	370	309	259	306	289	273	248	359	652
90%	282	320	299	319	286	248	271	245	234	242	312	448
Long Term												
Full Simulation Period[a]	710	831	808	644	428	344	346	334	310	525	618	711
Water Year Types[b]												
Wet (31%)	527	691	475	407	323	301	278	276	254	264	319	466
Above Normal (25%)	915	1,036	1,181	639	405	326	356	345	293	238	348	620
Below Normal (6%)	691	891	928	927	400	305	370	395	273	367	528	856
Dry (13%)	684	935	933	704	408	325	379	360	272	572	719	828
Critical (25%)	801	766	802	733	542	410	366	344	398	844	904	821

Alternative 9 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	666	691	793	851	875	893	731	597	637	895	784	634
20%	598	661	754	816	862	862	720	592	574	643	744	615
30%	551	616	741	770	817	846	621	535	565	628	606	563
40%	531	583	704	729	799	810	598	532	555	623	584	556
50%	529	562	701	713	781	779	547	492	534	591	568	539
60%	487	498	653	704	643	570	363	363	518	564	551	530
70%	447	474	644	665	522	320	320	325	515	542	535	458
80%	408	466	632	649	332	298	296	296	486	532	526	447
90%	373	355	434	337	292	259	219	210	445	512	502	385
Long Term												
Full Simulation Period[a]	503	534	650	673	649	616	487	431	528	618	598	516
Water Year Types[b]												
Wet (31%)	405	411	473	480	369	282	243	257	455	513	458	371
Above Normal (25%)	604	638	751	570	458	391	297	267	559	628	509	455
Below Normal (6%)	487	498	648	654	443	325	363	349	438	526	551	539
Dry (13%)	463	507	675	751	809	816	603	529	509	540	590	553
Critical (25%)	576	618	733	811	864	873	690	576	608	780	762	622

Alternative 9 (LLT) minus Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-267	-504	-387	-65	**296**	**432**	**305**	**188**	**227**	-1	-179	-260
20%	-269	-378	-334	-27	**357**	**479**	**345**	**194**	**260**	-79	-115	-240
30%	-306	-305	-288	-34	**369**	**470**	**251**	**144**	**258**	-69	-149	-268
40%	-322	-309	-251	-21	**390**	**463**	**241**	**182**	**268**	**69**	-149	-263
50%	-284	-328	-209	-15	**374**	**446**	**191**	**156**	**248**	**84**	-129	-217
60%	-211	-348	-236	**83**	**243**	**238**	**16**	**32**	**238**	**197**	**23**	-208
70%	-228	-332	**7**	**179**	**174**	**32**	-7	**25**	**238**	**261**	**149**	-221
80%	-151	-298	**307**	**279**	**22**	**39**	-10	**7**	**213**	**284**	**167**	-205
90%	**91**	**35**	**135**	**19**	**5**	**11**	-52	-35	**211**	**270**	**191**	-62
Long Term												
Full Simulation Period[a]	-207	-298	-158	**29**	**221**	**272**	**141**	**97**	**219**	**93**	-20	-195
Water Year Types[b]												
Wet (31%)	-121	-280	-2	**73**	**46**	-18	-34	-19	**201**	**249**	**139**	-95
Above Normal (25%)	-311	-399	-430	-69	**52**	**65**	-59	-78	**266**	**390**	**162**	-165
Below Normal (6%)	-204	-394	-279	-272	**42**	**20**	-7	-46	**165**	**160**	**23**	-316
Dry (13%)	-221	-428	-258	**47**	**401**	**491**	**224**	**169**	**237**	-32	-129	-275
Critical (25%)	-224	-149	-69	**79**	**322**	**463**	**324**	**232**	**210**	-64	-142	-199

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-36-14. Old River at Rock Slough, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	964	1,010	1,266	823	622	480	437	403	478	751	724	907
20%	913	941	908	795	548	442	423	384	353	633	670	878
30%	885	788	866	782	446	393	380	380	305	568	655	805
40%	863	677	815	741	403	359	367	369	303	535	627	763
50%	800	630	620	675	386	357	347	361	294	432	592	757
60%	272	316	439	574	367	341	329	337	283	367	426	687
70%	270	283	374	449	348	293	326	319	274	259	360	519
80%	265	267	305	365	311	263	304	281	253	248	347	503
90%	248	226	270	335	286	234	254	219	237	240	317	429
Long Term												
Full Simulation Period[a]	629	602	692	613	426	359	348	337	329	460	526	686
Water Year Types[b]												
Wet (31%)	527	616	445	387	307	312	261	268	255	246	322	433
Above Normal (25%)	943	857	1,351	625	368	293	316	287	253	240	355	477
Below Normal (6%)	269	291	439	900	399	301	353	394	286	374	591	878
Dry (13%)	419	478	610	664	433	337	381	362	287	522	592	799
Critical (25%)	824	652	742	690	545	451	403	382	460	686	692	842

Alternative 1A,1B,1C (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	899	1,048	1,014	934	653	495	419	390	504	894	883	936
20%	879	905	939	823	622	442	372	348	370	609	769	897
30%	840	905	873	795	595	404	345	337	322	506	649	859
40%	798	852	762	784	504	381	316	328	314	421	621	804
50%	786	629	745	769	464	347	316	311	304	387	591	772
60%	766	540	681	658	401	312	314	295	301	306	442	736
70%	737	464	618	605	381	294	299	283	280	287	424	709
80%	716	442	582	466	372	290	257	275	265	277	317	638
90%	542	289	384	378	296	258	224	225	248	261	291	589
Long Term												
Full Simulation Period[a]	754	671	729	691	475	365	325	310	342	465	569	758
Water Year Types[b]												
Wet (31%)	529	562	451	538	390	280	235	238	264	260	320	561
Above Normal (25%)	839	781	1,109	675	498	407	287	273	269	295	371	644
Below Normal (6%)	792	453	681	1,083	633	349	316	283	330	291	442	881
Dry (13%)	834	873	854	725	467	355	369	338	298	468	645	811
Critical (25%)	829	596	708	716	508	427	379	367	473	729	811	894

Alternative 1A,1B,1C (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-65	**38**	-252	**111**	**32**	**16**	-18	-14	**26**	**143**	**158**	**29**
20%	-34	-35	**31**	**28**	**74**	**1**	-51	-36	**16**	-24	**99**	**19**
30%	-45	**116**	**8**	**12**	**149**	**11**	-35	-43	**18**	-62	-6	**54**
40%	-66	**174**	-53	**43**	**101**	**21**	-51	-41	**11**	-114	-6	**41**
50%	-15	-1	**126**	**94**	**78**	-10	-31	-50	**10**	-45	-1	**15**
60%	**494**	**225**	**242**	**84**	**34**	-29	-15	-43	**18**	-60	**16**	**49**
70%	**467**	**181**	**245**	**156**	**33**	**1**	-27	-36	**6**	**28**	**63**	**190**
80%	**451**	**176**	**277**	**101**	**61**	**27**	-47	-6	**12**	**29**	-30	**135**
90%	**294**	**62**	**113**	**43**	**10**	**25**	-30	**6**	**11**	**21**	-26	**160**
Long Term												
Full Simulation Period[a]	**125**	**69**	**37**	**79**	**49**	**6**	-23	-27	**14**	**5**	**43**	**72**
Water Year Types[b]												
Wet (31%)	**2**	-54	**5**	**151**	**83**	-33	-25	-30	**9**	**15**	-3	**128**
Above Normal (25%)	-104	-76	-242	**50**	**130**	**115**	-29	-15	**15**	**54**	**17**	**167**
Below Normal (6%)	**523**	**162**	**242**	**183**	**234**	**48**	-38	-111	**44**	-83	-149	**3**
Dry (13%)	**415**	**395**	**244**	**61**	**35**	**17**	-11	-24	**10**	-54	**53**	**12**
Critical (25%)	**4**	-55	-34	**26**	-37	-24	-24	-15	**13**	**42**	**119**	**52**

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-36-15. Old River at Rock Slough, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	964	1,010	1,266	823	622	480	437	403	478	751	724	907
20%	913	941	908	795	548	442	423	384	353	633	670	878
30%	885	788	866	782	446	393	380	380	305	568	655	805
40%	863	677	815	741	403	359	367	369	303	535	627	763
50%	800	630	620	675	386	357	347	361	294	432	592	757
60%	272	316	439	574	367	341	329	337	283	367	426	687
70%	270	283	374	449	348	293	326	319	274	259	360	519
80%	265	267	305	365	311	263	304	281	253	248	347	503
90%	248	226	270	335	286	234	254	219	237	240	317	429
Long Term												
Full Simulation Period[a]	629	602	692	613	426	359	348	337	329	460	526	686
Water Year Types[b]												
Wet (31%)	527	616	445	387	307	312	261	268	255	246	322	433
Above Normal (25%)	943	857	1,351	625	368	293	316	287	253	240	355	477
Below Normal (6%)	269	291	439	900	399	301	353	394	286	374	591	878
Dry (13%)	419	478	610	664	433	337	381	362	287	522	592	799
Critical (25%)	824	652	742	690	545	451	403	382	460	686	692	842

Alternative 2A,2B,2C (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	951	979	1,062	877	660	525	468	416	564	940	888	961
20%	897	624	865	786	510	478	442	393	386	604	733	909
30%	822	504	635	711	507	386	383	381	325	523	687	875
40%	757	476	626	591	457	372	365	369	323	438	626	867
50%	657	457	580	507	413	337	349	352	320	399	592	793
60%	416	425	395	427	368	309	346	343	316	330	567	742
70%	377	417	329	415	342	294	340	339	302	285	440	525
80%	362	405	292	351	323	290	267	305	291	277	352	420
90%	328	292	259	301	296	264	222	210	259	269	304	403
Long Term												
Full Simulation Period[a]	626	533	587	567	441	369	354	341	363	481	586	710
Water Year Types[b]												
Wet (31%)	492	390	421	474	406	283	246	255	271	268	334	381
Above Normal (25%)	840	775	919	633	512	421	306	284	309	303	460	525
Below Normal (6%)	374	414	395	712	444	352	345	374	321	287	439	867
Dry (13%)	461	535	543	442	385	359	429	381	309	461	636	829
Critical (25%)	830	574	660	686	484	429	401	393	509	777	829	919

Alternative 2A,2B,2C (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-13	-31	-204	**54**	**38**	**45**	**31**	**12**	**86**	**189**	**164**	**54**
20%	-16	-317	-43	-9	-38	**36**	**19**	**10**	**33**	-29	**63**	**31**
30%	-63	-285	-231	-72	**61**	-7	**3**	**1**	**21**	-45	**31**	**70**
40%	-106	-202	-189	-150	**54**	**12**	-3	0	**20**	-97	-1	**104**
50%	-143	-172	-40	-168	**27**	-21	**3**	-9	**26**	-33	0	**36**
60%	**144**	**109**	-44	-147	**1**	-31	**17**	**6**	**33**	-37	**140**	**55**
70%	**107**	**134**	-45	-34	-7	**1**	**14**	**19**	**28**	**26**	**80**	**6**
80%	**97**	**139**	-13	-13	**12**	**27**	-37	**24**	**38**	**30**	**5**	-83
90%	**79**	**66**	-12	-34	**10**	**30**	-32	-9	**22**	**29**	-14	-26
Long Term												
Full Simulation Period[a]	-3	-69	-105	-46	**15**	**10**	**6**	**4**	**34**	**21**	**60**	**24**
Water Year Types[b]												
Wet (31%)	-35	-226	-24	**87**	**99**	-29	-15	-12	**16**	**22**	**11**	-52
Above Normal (25%)	-103	-82	-432	**8**	**144**	**128**	-10	-3	**56**	**63**	**105**	**48**
Below Normal (6%)	**105**	**123**	-44	-188	**45**	**51**	-9	-20	**35**	-87	-152	-11
Dry (13%)	**42**	**57**	-67	-221	-47	**21**	**48**	**19**	**21**	-62	**43**	**30**
Critical (25%)	**5**	-78	-82	-4	-62	-23	-3	**12**	**50**	**90**	**137**	**77**

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-36-16. Old River at Rock Slough, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	964	1,010	1,266	823	622	480	437	403	478	751	724	907
20%	913	941	908	795	548	442	423	384	353	633	670	878
30%	885	788	866	782	446	393	380	380	305	568	655	805
40%	863	677	815	741	403	359	367	369	303	535	627	763
50%	800	630	620	675	386	357	347	361	294	432	592	757
60%	272	316	439	574	367	341	329	337	283	367	426	687
70%	270	283	374	449	348	293	326	319	274	259	360	519
80%	265	267	305	365	311	263	304	281	253	248	347	503
90%	248	226	270	335	286	234	254	219	237	240	317	429
Long Term												
Full Simulation Period[a]	629	602	692	613	426	359	348	337	329	460	526	686
Water Year Types[b]												
Wet (31%)	527	616	445	387	307	312	261	268	255	246	322	433
Above Normal (25%)	943	857	1,351	625	368	293	316	287	253	240	355	477
Below Normal (6%)	269	291	439	900	399	301	353	394	286	374	591	878
Dry (13%)	419	478	610	664	433	337	381	362	287	522	592	799
Critical (25%)	824	652	742	690	545	451	403	382	460	686	692	842

Alternative 3 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	943	1,052	937	983	676	541	394	372	544	895	881	932
20%	915	947	883	835	507	433	384	339	371	614	777	907
30%	891	884	823	790	487	401	367	332	325	530	661	856
40%	829	846	807	770	451	378	324	323	317	414	622	817
50%	813	592	726	668	418	367	319	301	311	393	585	777
60%	780	543	666	576	393	320	313	282	303	309	457	737
70%	727	503	595	506	362	316	290	277	271	299	416	710
80%	722	398	485	402	355	310	275	270	245	286	315	668
90%	555	316	325	307	303	257	226	233	243	264	297	603
Long Term												
Full Simulation Period[a]	773	678	685	658	453	377	326	306	344	471	571	764
Water Year Types[b]												
Wet (31%)	523	594	400	370	339	298	241	240	259	261	316	576
Above Normal (25%)	920	782	954	613	358	369	322	276	261	307	386	670
Below Normal (6%)	709	398	725	1,138	507	394	322	282	331	292	439	907
Dry (13%)	846	887	837	754	466	349	328	307	292	477	642	809
Critical (25%)	867	592	675	732	560	461	394	376	490	735	819	889

Alternative 3 (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-21	**42**	-329	**160**	**54**	**61**	-43	-32	**65**	**144**	**157**	**26**
20%	**3**	**6**	-25	**40**	-41	-9	-39	-45	**17**	-19	**107**	**29**
30%	**6**	**95**	-42	**8**	**41**	**8**	-13	-48	**21**	-37	**6**	**51**
40%	-35	**169**	-7	**30**	**47**	**19**	-43	-46	**14**	-121	-5	**55**
50%	**13**	-38	**106**	-7	**32**	**9**	-28	-60	**17**	-39	-7	**20**
60%	**509**	**227**	**227**	**2**	**25**	-20	-16	-55	**20**	-58	**31**	**50**
70%	**457**	**220**	**221**	**58**	**13**	**22**	-36	-43	-3	**40**	**56**	**191**
80%	**457**	**131**	**180**	**37**	**44**	**47**	-29	-11	-8	**38**	-32	**165**
90%	**306**	**90**	**55**	-28	**17**	**24**	-28	**14**	**6**	**23**	-21	**174**
Long Term												
Full Simulation Period[a]	**144**	**76**	-7	**45**	**27**	**18**	-22	-31	**16**	**11**	**45**	**79**
Water Year Types[b]												
Wet (31%)	-4	-22	-46	-17	**33**	-14	-20	-27	**4**	**15**	-7	**143**
Above Normal (25%)	-23	-74	-397	-11	-10	**77**	**6**	-12	**8**	**67**	**31**	**194**
Below Normal (6%)	**440**	**107**	**286**	**238**	**108**	**93**	-31	-111	**45**	-82	-153	**29**
Dry (13%)	**426**	**409**	**227**	**90**	**34**	**12**	-53	-55	**5**	-45	**50**	**10**
Critical (25%)	**43**	-59	-67	**42**	**15**	**10**	-9	-6	**31**	**49**	**127**	**47**

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-36-17. Old River at Rock Slough, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	964	1,010	1,266	823	622	480	437	403	478	751	724	907
20%	913	941	908	795	548	442	423	384	353	633	670	878
30%	885	788	866	782	446	393	380	380	305	568	655	805
40%	863	677	815	741	403	359	367	369	303	535	627	763
50%	800	630	620	675	386	357	347	361	294	432	592	757
60%	272	316	439	574	367	341	329	337	283	367	426	687
70%	270	283	374	449	348	293	326	319	274	259	360	519
80%	265	267	305	365	311	263	304	281	253	248	347	503
90%	248	226	270	335	286	234	254	219	237	240	317	429
Long Term												
Full Simulation Period[a]	629	602	692	613	426	359	348	337	329	460	526	686
Water Year Types[b]												
Wet (31%)	527	616	445	387	307	312	261	268	255	246	322	433
Above Normal (25%)	943	857	1,351	625	368	293	316	287	253	240	355	477
Below Normal (6%)	269	291	439	900	399	301	353	394	286	374	591	878
Dry (13%)	419	478	610	664	433	337	381	362	287	522	592	799
Critical (25%)	824	652	742	690	545	451	403	382	460	686	692	842

Alternative 4 H1 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	916	942	1,085	905	513	524	445	417	552	925	885	956
20%	895	610	826	732	491	464	430	393	381	581	719	906
30%	858	575	719	666	478	389	379	381	339	538	669	891
40%	827	526	681	600	433	373	366	362	327	422	631	873
50%	786	488	632	579	410	343	358	341	325	403	616	852
60%	739	470	622	450	399	311	350	336	316	362	601	818
70%	713	461	583	411	370	306	337	329	303	295	482	757
80%	642	454	308	353	328	299	267	304	291	276	346	723
90%	549	337	284	309	297	269	221	210	250	268	321	632
Long Term												
Full Simulation Period[a]	749	559	658	577	422	372	348	338	362	482	598	801
Water Year Types[b]												
Wet (31%)	505	385	334	343	352	288	246	255	270	270	365	646
Above Normal (25%)	828	776	927	511	418	419	314	284	309	319	479	760
Below Normal (6%)	803	402	682	1,017	480	391	370	379	351	298	436	864
Dry (13%)	780	632	815	639	425	362	399	369	307	474	642	827
Critical (25%)	878	587	679	652	464	424	397	392	503	759	830	907

Alternative 4 H1 (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-48	-68	-181	**82**	-109	**45**	**8**	**14**	**74**	**174**	**161**	**49**
20%	-18	-331	-82	-63	-56	**22**	**8**	**10**	**28**	-52	**49**	**28**
30%	-27	-213	-146	-116	**32**	-4	-1	**1**	**35**	-30	**13**	**86**
40%	-37	-151	-133	-141	**30**	**14**	-1	-7	**24**	-113	**4**	**110**
50%	-14	-142	**12**	-95	**24**	-14	**11**	-20	**32**	-29	**24**	**95**
60%	**468**	**154**	**183**	-124	**32**	-30	**21**	-1	**33**	-4	**175**	**130**
70%	**444**	**178**	**209**	-37	**21**	**12**	**11**	**9**	**29**	**36**	**122**	**238**
80%	**377**	**187**	**3**	-11	**17**	**36**	-37	**23**	**38**	**29**	-2	**220**
90%	**301**	**110**	**14**	-26	**11**	**35**	-33	-9	**13**	**28**	**4**	**203**
Long Term												
Full Simulation Period[a]	**121**	-43	-34	-36	-4	**13**	0	**1**	**33**	**22**	**72**	**115**
Water Year Types[b]												
Wet (31%)	-22	-232	-111	-44	**46**	-24	-14	-13	**16**	**25**	**43**	**213**
Above Normal (25%)	-115	-81	-424	-113	**50**	**126**	-2	-3	**56**	**79**	**124**	**284**
Below Normal (6%)	**534**	**111**	**243**	**116**	**80**	**90**	**16**	-14	**65**	-76	-155	-14
Dry (13%)	**360**	**154**	**205**	-24	-7	**25**	**19**	**7**	**19**	-48	**50**	**28**
Critical (25%)	**54**	-65	-63	-38	-81	-27	-7	**11**	**43**	**72**	**138**	**64**

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-36-18. Old River at Rock Slough, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	964	1,010	1,266	823	622	480	437	403	478	751	724	907
20%	913	941	908	795	548	442	423	384	353	633	670	878
30%	885	788	866	782	446	393	380	380	305	568	655	805
40%	863	677	815	741	403	359	367	369	303	535	627	763
50%	800	630	620	675	386	357	347	361	294	432	592	757
60%	272	316	439	574	367	341	329	337	283	367	426	687
70%	270	283	374	449	348	293	326	319	274	259	360	519
80%	265	267	305	365	311	263	304	281	253	248	347	503
90%	248	226	270	335	286	234	254	219	237	240	317	429
Long Term												
Full Simulation Period[a]	629	602	692	613	426	359	348	337	329	460	526	686
Water Year Types[b]												
Wet (31%)	527	616	445	387	307	312	261	268	255	246	322	433
Above Normal (25%)	943	857	1,351	625	368	293	316	287	253	240	355	477
Below Normal (6%)	269	291	439	900	399	301	353	394	286	374	591	878
Dry (13%)	419	478	610	664	433	337	381	362	287	522	592	799
Critical (25%)	824	652	742	690	545	451	403	382	460	686	692	842

Alternative 4 H2 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	943	881	1,076	780	576	504	458	454	544	859	866	936
20%	922	741	787	755	484	485	446	408	418	592	715	915
30%	819	560	727	678	480	416	437	397	370	468	701	865
40%	810	527	624	625	476	399	409	387	338	445	668	860
50%	793	500	607	594	433	354	383	373	333	400	553	811
60%	759	485	580	438	381	316	360	359	328	346	446	777
70%	724	462	578	408	367	309	343	349	325	305	400	749
80%	673	439	305	363	328	299	301	305	293	286	345	683
90%	505	350	268	310	296	265	221	210	255	279	314	606
Long Term												
Full Simulation Period[a]	751	564	648	557	427	378	370	355	373	469	574	780
Water Year Types[b]												
Wet (31%)	568	391	342	350	343	285	250	260	291	289	328	574
Above Normal (25%)	851	790	964	513	463	428	329	292	313	314	377	708
Below Normal (6%)	754	741	752	625	445	386	360	408	324	286	446	865
Dry (13%)	729	585	753	622	440	377	452	398	331	435	633	834
Critical (25%)	876	560	663	675	467	433	418	410	506	739	828	914

Alternative 4 H2 (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-21	-129	-190	-43	-46	**25**	**22**	**51**	**66**	**108**	**141**	**30**
20%	**9**	-200	-120	-40	-63	**43**	**23**	**24**	**65**	-41	**45**	**38**
30%	-66	-228	-139	-104	**34**	**23**	**58**	**17**	**66**	-100	**46**	**60**
40%	-54	-151	-191	-116	**73**	**39**	**42**	**18**	**35**	-90	**41**	**97**
50%	-7	-130	-13	-81	**47**	-4	**37**	**13**	**39**	-32	-39	**54**
60%	**488**	**169**	**141**	-136	**13**	-25	**31**	**21**	**45**	-21	**20**	**90**
70%	**454**	**179**	**204**	-41	**18**	**16**	**17**	**29**	**50**	**46**	**39**	**230**
80%	**408**	**172**	**0**	-2	**17**	**36**	-3	**24**	**40**	**38**	-2	**180**
90%	**257**	**124**	-3	-25	**10**	**31**	-32	-8	**18**	**38**	-3	**178**
Long Term												
Full Simulation Period[a]	**122**	-38	-44	-56	**1**	**19**	**22**	**18**	**44**	**9**	**48**	**95**
Water Year Types[b]												
Wet (31%)	**41**	-225	-103	-37	**36**	-27	-10	-8	**36**	**44**	**6**	**140**
Above Normal (25%)	-92	-67	-387	-112	**95**	**135**	**13**	**4**	**60**	**74**	**22**	**232**
Below Normal (6%)	**485**	**450**	**313**	-275	**46**	**84**	**6**	**14**	**38**	-88	-146	-12
Dry (13%)	**309**	**107**	**143**	-42	**7**	**40**	**72**	**36**	**43**	-87	**41**	**35**
Critical (25%)	**51**	-91	-79	-15	-78	-19	**15**	**29**	**47**	**53**	**136**	**72**

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-36-19. Old River at Rock Slough, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	964	1,010	1,266	823	622	480	437	403	478	751	724	907
20%	913	941	908	795	548	442	423	384	353	633	670	878
30%	885	788	866	782	446	393	380	380	305	568	655	805
40%	863	677	815	741	403	359	367	369	303	535	627	763
50%	800	630	620	675	386	357	347	361	294	432	592	757
60%	272	316	439	574	367	341	329	337	283	367	426	687
70%	270	283	374	449	348	293	326	319	274	259	360	519
80%	265	267	305	365	311	263	304	281	253	248	347	503
90%	248	226	270	335	286	234	254	219	237	240	317	429
Long Term												
Full Simulation Period[a]	629	602	692	613	426	359	348	337	329	460	526	686
Water Year Types[b]												
Wet (31%)	527	616	445	387	307	312	261	268	255	246	322	433
Above Normal (25%)	943	857	1,351	625	368	293	316	287	253	240	355	477
Below Normal (6%)	269	291	439	900	399	301	353	394	286	374	591	878
Dry (13%)	419	478	610	664	433	337	381	362	287	522	592	799
Critical (25%)	824	652	742	690	545	451	403	382	460	686	692	842

Alternative 4 H3 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	942	886	1,083	659	512	505	445	415	561	940	896	972
20%	896	734	881	587	476	457	435	393	386	591	747	915
30%	835	568	621	569	431	382	392	380	325	522	664	886
40%	723	501	571	540	400	371	380	371	323	438	617	833
50%	656	464	456	429	386	339	363	352	317	392	599	780
60%	413	433	352	422	368	311	350	341	313	363	583	739
70%	382	418	301	376	338	298	342	332	302	283	477	548
80%	376	405	291	348	327	294	267	304	291	276	349	429
90%	318	286	259	304	299	263	221	210	250	268	305	414
Long Term												
Full Simulation Period[a]	621	541	567	480	401	365	352	340	360	480	595	714
Water Year Types[b]												
Wet (31%)	477	388	336	344	353	286	246	255	270	268	354	406
Above Normal (25%)	868	794	945	511	424	420	314	284	309	320	483	521
Below Normal (6%)	376	416	353	552	441	388	349	375	313	282	440	868
Dry (13%)	464	538	544	444	384	355	408	371	304	471	632	829
Critical (25%)	811	589	662	592	435	411	407	398	506	762	835	916

Alternative 4 H3 (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-21	-124	-183	-164	-110	**25**	**8**	**12**	**83**	**189**	**172**	**65**
20%	-17	-207	-27	-207	-72	**15**	**12**	**9**	**32**	-41	**77**	**37**
30%	-50	-220	-245	-213	-15	-11	**12**	0	**21**	-45	**9**	**81**
40%	-140	-176	-244	-201	-3	**12**	**13**	**2**	**20**	-97	-10	**70**
50%	-144	-166	-164	-246	**1**	-18	**16**	-9	**23**	-40	**7**	**23**
60%	**141**	**118**	-87	-152	**1**	-30	**21**	**4**	**30**	-4	**157**	**52**
70%	**112**	**135**	-72	-73	-10	**4**	**16**	**12**	**28**	**24**	**116**	**29**
80%	**111**	**139**	-14	-16	**16**	**31**	-37	**23**	**37**	**29**	**1**	-74
90%	**70**	**60**	-11	-31	**13**	**30**	-33	-9	**13**	**28**	-12	-15
Long Term												
Full Simulation Period[a]	-8	-62	-125	-132	-26	**7**	**4**	**2**	**31**	**21**	**69**	**29**
Water Year Types[b]												
Wet (31%)	-50	-228	-110	-44	**46**	-26	-15	-13	**16**	**22**	**31**	-27
Above Normal (25%)	-75	-63	-406	-113	**56**	**127**	-2	-3	**56**	**79**	**128**	**45**
Below Normal (6%)	**107**	**125**	-86	-348	**42**	**87**	-5	-19	**27**	-92	-151	-10
Dry (13%)	**44**	**60**	-66	-220	-49	**18**	**28**	**9**	**16**	-51	**40**	**30**
Critical (25%)	-13	-63	-80	-98	-111	-40	**4**	**16**	**47**	**75**	**143**	**73**

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-36-20. Old River at Rock Slough, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	964	1,010	1,266	823	622	480	437	403	478	751	724	907
20%	913	941	908	795	548	442	423	384	353	633	670	878
30%	885	788	866	782	446	393	380	380	305	568	655	805
40%	863	677	815	741	403	359	367	369	303	535	627	763
50%	800	630	620	675	386	357	347	361	294	432	592	757
60%	272	316	439	574	367	341	329	337	283	367	426	687
70%	270	283	374	449	348	293	326	319	274	259	360	519
80%	265	267	305	365	311	263	304	281	253	248	347	503
90%	248	226	270	335	286	234	254	219	237	240	317	429
Long Term												
Full Simulation Period[a]	629	602	692	613	426	359	348	337	329	460	526	686
Water Year Types[b]												
Wet (31%)	527	616	445	387	307	312	261	268	255	246	322	433
Above Normal (25%)	943	857	1,351	625	368	293	316	287	253	240	355	477
Below Normal (6%)	269	291	439	900	399	301	353	394	286	374	591	878
Dry (13%)	419	478	610	664	433	337	381	362	287	522	592	799
Critical (25%)	824	652	742	690	545	451	403	382	460	686	692	842

Alternative 4 H4 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	943	903	1,005	804	620	581	475	460	549	905	866	969
20%	881	647	747	660	530	476	452	422	419	564	713	917
30%	816	519	600	603	483	421	442	400	377	457	675	864
40%	808	472	577	500	446	387	423	386	353	427	650	829
50%	719	434	476	450	396	344	390	373	336	372	524	802
60%	419	429	326	429	365	313	359	358	332	346	438	783
70%	384	416	298	406	345	304	346	348	327	312	411	503
80%	354	406	278	345	323	290	302	304	293	295	345	446
90%	317	295	262	304	298	263	221	210	255	279	314	420
Long Term												
Full Simulation Period[a]	632	529	544	516	432	384	374	357	377	469	566	713
Water Year Types[b]												
Wet (31%)	538	374	337	382	358	284	250	260	291	292	338	403
Above Normal (25%)	897	797	927	513	441	428	329	292	313	314	377	487
Below Normal (6%)	354	409	376	660	446	387	359	406	369	298	414	877
Dry (13%)	460	519	508	431	386	361	454	403	331	411	600	857
Critical (25%)	796	577	620	664	521	465	430	414	510	752	829	902

Alternative 4 H4 (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-21	-107	-261	-20	-2	**102**	**38**	**57**	**71**	**154**	**142**	**62**
20%	-31	-294	-160	-135	-18	**34**	**29**	**39**	**65**	-69	**43**	**39**
30%	-69	-269	-266	-179	**37**	**28**	**62**	**20**	**72**	-110	**20**	**59**
40%	-56	-205	-238	-241	**43**	**28**	**56**	**17**	**50**	-108	**24**	**66**
50%	-81	-196	-144	-224	**10**	-13	**43**	**12**	**43**	-60	-68	**45**
60%	**148**	**113**	-114	-145	-2	-28	**30**	**21**	**49**	-21	**11**	**95**
70%	**114**	**133**	-75	-43	-3	**11**	**20**	**29**	**53**	**53**	**51**	-16
80%	**89**	**139**	-27	-19	**13**	**27**	-2	**23**	**40**	**48**	-2	-57
90%	**68**	**69**	-8	-32	**13**	**29**	-33	-8	**18**	**38**	-3	-9
Long Term												
Full Simulation Period[a]	**4**	-74	-148	-97	**6**	**25**	**26**	**20**	**48**	**9**	**40**	**27**
Water Year Types[b]												
Wet (31%)	**11**	-242	-108	-5	**52**	-28	-11	-8	**36**	**46**	**16**	-30
Above Normal (25%)	-46	-60	-423	-112	**73**	**135**	**13**	**4**	**60**	**74**	**22**	**11**
Below Normal (6%)	**85**	**118**	-63	-240	**47**	**86**	**5**	**13**	**83**	-76	-177	0
Dry (13%)	**40**	**41**	-102	-233	-47	**23**	**74**	**41**	**44**	-111	**7**	**58**
Critical (25%)	-28	-75	-122	-26	-24	**14**	**26**	**32**	**50**	**66**	**137**	**60**

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-36-21. Old River at Rock Slough, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	964	1,010	1,266	823	622	480	437	403	478	751	724	907
20%	913	941	908	795	548	442	423	384	353	633	670	878
30%	885	788	866	782	446	393	380	380	305	568	655	805
40%	863	677	815	741	403	359	367	369	303	535	627	763
50%	800	630	620	675	386	357	347	361	294	432	592	757
60%	272	316	439	574	367	341	329	337	283	367	426	687
70%	270	283	374	449	348	293	326	319	274	259	360	519
80%	265	267	305	365	311	263	304	281	253	248	347	503
90%	248	226	270	335	286	234	254	219	237	240	317	429
Long Term												
Full Simulation Period[a]	629	602	692	613	426	359	348	337	329	460	526	686
Water Year Types[b]												
Wet (31%)	527	616	445	387	307	312	261	268	255	246	322	433
Above Normal (25%)	943	857	1,351	625	368	293	316	287	253	240	355	477
Below Normal (6%)	269	291	439	900	399	301	353	394	286	374	591	878
Dry (13%)	419	478	610	664	433	337	381	362	287	522	592	799
Critical (25%)	824	652	742	690	545	451	403	382	460	686	692	842

Alternative 5 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	940	1,079	1,047	833	664	500	420	412	506	910	873	969
20%	878	906	814	813	505	485	367	384	362	657	745	885
30%	841	804	682	778	458	386	363	373	319	594	711	866
40%	793	523	673	708	424	367	343	364	315	435	678	855
50%	737	496	518	612	410	337	338	335	299	395	655	801
60%	327	419	391	529	364	331	334	319	287	360	555	716
70%	316	406	376	449	343	312	320	314	276	311	529	637
80%	307	383	287	341	322	282	300	285	252	273	358	478
90%	303	272	264	310	316	247	238	217	248	263	331	383
Long Term												
Full Simulation Period[a]	612	621	583	617	439	360	336	331	337	490	617	724
Water Year Types[b]												
Wet (31%)	502	676	396	440	332	304	255	268	254	272	415	468
Above Normal (25%)	835	943	1,089	501	356	299	313	287	265	284	422	491
Below Normal (6%)	307	404	409	808	423	331	367	400	300	362	663	860
Dry (13%)	439	528	520	739	495	359	350	352	296	495	640	829
Critical (25%)	809	565	616	671	518	434	392	369	473	767	830	911

Alternative 5 (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-24	**69**	-219	**10**	**42**	**20**	-17	**9**	**28**	**159**	**149**	**62**
20%	-35	-35	-94	**18**	-43	**43**	-56	**1**	**8**	**24**	**75**	**7**
30%	-44	**16**	-184	-4	**12**	-7	-17	-7	**14**	**26**	**55**	**61**
40%	-71	-154	-142	-33	**21**	**8**	-24	-5	**13**	-100	**52**	**92**
50%	-63	-134	-102	-63	**24**	-20	-9	-26	**5**	-37	**63**	**44**
60%	**55**	**103**	-48	-45	-3	-9	**5**	-18	**4**	-6	**129**	**29**
70%	**46**	**123**	**2**	0	-5	**18**	-7	-6	**1**	**52**	**169**	**118**
80%	**42**	**116**	-18	-24	**11**	**19**	-3	**3**	-2	**25**	**11**	-25
90%	**55**	**46**	-7	-26	**30**	**14**	-16	-1	**11**	**23**	**14**	-46
Long Term												
Full Simulation Period[a]	-17	**18**	-109	**5**	**13**	**1**	-12	-6	**8**	**30**	**91**	**39**
Water Year Types[b]												
Wet (31%)	-25	**59**	-49	**53**	**25**	-8	-6	**0**	-1	**26**	**93**	**35**
Above Normal (25%)	-107	**86**	-262	-124	-12	**6**	-3	0	**12**	**44**	**67**	**14**
Below Normal (6%)	**38**	**114**	-30	-92	**24**	**30**	**13**	**7**	**14**	-12	**71**	-17
Dry (13%)	**20**	**50**	-90	**75**	**62**	**22**	-30	-10	**8**	-27	**47**	**30**
Critical (25%)	-15	-86	-126	-19	-27	-17	-11	-12	**13**	**81**	**138**	**69**

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-36-22. Old River at Rock Slough, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	964	1,010	1,266	823	622	480	437	403	478	751	724	907
20%	913	941	908	795	548	442	423	384	353	633	670	878
30%	885	788	866	782	446	393	380	380	305	568	655	805
40%	863	677	815	741	403	359	367	369	303	535	627	763
50%	800	630	620	675	386	357	347	361	294	432	592	757
60%	272	316	439	574	367	341	329	337	283	367	426	687
70%	270	283	374	449	348	293	326	319	274	259	360	519
80%	265	267	305	365	311	263	304	281	253	248	347	503
90%	248	226	270	335	286	234	254	219	237	240	317	429
Long Term												
Full Simulation Period[a]	629	602	692	613	426	359	348	337	329	460	526	686
Water Year Types[b]												
Wet (31%)	527	616	445	387	307	312	261	268	255	246	322	433
Above Normal (25%)	943	857	1,351	625	368	293	316	287	253	240	355	477
Below Normal (6%)	269	291	439	900	399	301	353	394	286	374	591	878
Dry (13%)	419	478	610	664	433	337	381	362	287	522	592	799
Critical (25%)	824	652	742	690	545	451	403	382	460	686	692	842

Alternative 6A,6B,6C (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	577	625	654	791	821	862	778	616	503	591	696	625
20%	547	581	642	758	816	848	770	610	487	575	543	535
30%	538	555	630	751	809	837	726	600	480	533	532	522
40%	534	545	627	746	797	834	693	573	477	467	503	509
50%	524	536	608	738	795	808	660	540	471	441	475	492
60%	485	526	582	729	705	611	380	395	462	413	450	487
70%	482	491	571	723	607	319	345	349	428	404	440	481
80%	443	477	564	716	403	292	305	310	384	369	431	467
90%	388	336	398	374	297	266	221	216	371	347	403	434
Long Term												
Full Simulation Period[a]	490	507	566	678	654	617	536	459	447	470	507	505
Water Year Types[b]												
Wet (31%)	398	378	441	549	406	281	249	270	365	431	411	404
Above Normal (25%)	579	610	653	627	499	412	316	282	480	543	508	487
Below Normal (6%)	485	526	582	716	534	337	380	379	384	330	399	466
Dry (13%)	473	499	579	732	801	858	730	566	449	393	449	502
Critical (25%)	544	570	619	750	819	830	731	612	510	560	650	604

Alternative 6A,6B,6C (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-387	-385	-612	-32	**200**	**382**	**341**	**212**	**25**	-160	-28	-282
20%	-366	-359	-266	-37	**268**	**406**	**347**	**227**	**133**	-58	-127	-343
30%	-347	-233	-236	-31	**363**	**444**	**346**	**219**	**175**	-35	-124	-283
40%	-329	-132	-188	**5**	**393**	**475**	**326**	**204**	**174**	-68	-123	-254
50%	-276	-93	-11	**64**	**409**	**450**	**314**	**179**	**178**	**9**	-117	-265
60%	**213**	**211**	**143**	**155**	**337**	**270**	**51**	**58**	**179**	**47**	**24**	-200
70%	**212**	**208**	**197**	**275**	**258**	**25**	**18**	**30**	**153**	**145**	**80**	-38
80%	**178**	**211**	**259**	**352**	**92**	**29**	**2**	**29**	**131**	**122**	**84**	-36
90%	**139**	**110**	**127**	**39**	**12**	**32**	-33	-2	**134**	**107**	**86**	**5**
Long Term												
Full Simulation Period[a]	-138	-96	-126	**65**	**227**	**258**	**188**	**122**	**118**	**10**	-19	-180
Water Year Types[b]												
Wet (31%)	-129	-238	-5	**162**	**100**	-31	-12	**2**	**110**	**185**	**89**	-29
Above Normal (25%)	-364	-247	-698	**2**	**131**	**119**	**0**	-6	**227**	**303**	**153**	**10**
Below Normal (6%)	**216**	**235**	**143**	-184	**135**	**36**	**26**	-15	**98**	-44	-192	-412
Dry (13%)	**54**	**21**	-31	**68**	**369**	**520**	**349**	**204**	**162**	-129	-143	-297
Critical (25%)	-281	-81	-123	**60**	**274**	**379**	**328**	**230**	**50**	-126	-42	-238

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-36-23. Old River at Rock Slough, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	964	1,010	1,266	823	622	480	437	403	478	751	724	907
20%	913	941	908	795	548	442	423	384	353	633	670	878
30%	885	788	866	782	446	393	380	380	305	568	655	805
40%	863	677	815	741	403	359	367	369	303	535	627	763
50%	800	630	620	675	386	357	347	361	294	432	592	757
60%	272	316	439	574	367	341	329	337	283	367	426	687
70%	270	283	374	449	348	293	326	319	274	259	360	519
80%	265	267	305	365	311	263	304	281	253	248	347	503
90%	248	226	270	335	286	234	254	219	237	240	317	429
Long Term												
Full Simulation Period[a]	629	602	692	613	426	359	348	337	329	460	526	686
Water Year Types[b]												
Wet (31%)	527	616	445	387	307	312	261	268	255	246	322	433
Above Normal (25%)	943	857	1,351	625	368	293	316	287	253	240	355	477
Below Normal (6%)	269	291	439	900	399	301	353	394	286	374	591	878
Dry (13%)	419	478	610	664	433	337	381	362	287	522	592	799
Critical (25%)	824	652	742	690	545	451	403	382	460	686	692	842

Alternative 7 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	863	709	679	765	819	857	767	613	484	597	904	925
20%	772	633	655	758	810	835	748	598	477	506	892	915
30%	752	606	640	752	801	828	721	588	471	486	812	896
40%	748	563	630	738	782	820	701	559	471	443	798	880
50%	694	560	618	723	780	807	661	538	466	419	728	838
60%	478	517	573	710	691	648	391	389	462	401	482	794
70%	467	483	567	696	606	353	343	345	429	296	444	494
80%	431	465	559	673	552	318	302	306	390	292	391	470
90%	382	330	395	343	307	268	220	210	381	273	357	431
Long Term												
Full Simulation Period[a]	620	536	572	661	659	620	534	454	437	428	654	719
Water Year Types[b]												
Wet (31%)	497	388	441	540	421	294	247	266	368	277	390	418
Above Normal (25%)	832	684	664	558	516	430	316	274	475	289	391	481
Below Normal (6%)	469	517	573	673	601	386	391	374	390	408	753	931
Dry (13%)	517	504	576	714	788	841	720	559	451	571	764	851
Critical (25%)	746	623	638	753	815	828	729	607	475	495	863	908

Alternative 7 (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-100	-301	-587	-59	**197**	**377**	**330**	**210**	**6**	-154	**179**	**19**
20%	-140	-308	-253	-37	**263**	**393**	**325**	**215**	**123**	-127	**222**	**37**
30%	-133	-182	-226	-30	**355**	**434**	**341**	**208**	**167**	-82	**156**	**91**
40%	-116	-114	-185	-3	**379**	**460**	**333**	**190**	**168**	-91	**172**	**118**
50%	-106	-70	-1	**48**	**394**	**450**	**315**	**178**	**173**	-13	**136**	**81**
60%	**206**	**202**	**133**	**136**	**324**	**307**	**62**	**52**	**179**	**35**	**56**	**106**
70%	**197**	**201**	**193**	**247**	**257**	**59**	**17**	**26**	**155**	**37**	**83**	-25
80%	**166**	**198**	**254**	**309**	**241**	**55**	-2	**25**	**137**	**44**	**43**	-33
90%	**134**	**104**	**125**	**8**	**22**	**35**	-34	-9	**143**	**33**	**40**	**2**
Long Term												
Full Simulation Period[a]	-9	-67	-120	**48**	**233**	**261**	**186**	**116**	**108**	-32	**128**	**34**
Water Year Types[b]												
Wet (31%)	-30	-228	-5	**153**	**114**	-19	-14	-1	**114**	**31**	**68**	-15
Above Normal (25%)	-111	-173	-687	-67	**148**	**137**	0	-13	**222**	**48**	**36**	**4**
Below Normal (6%)	**200**	**226**	**133**	-227	**201**	**84**	**37**	-19	**104**	**34**	**161**	**53**
Dry (13%)	**97**	**26**	-34	**50**	**356**	**504**	**340**	**197**	**164**	**49**	**171**	**52**
Critical (25%)	-78	-28	-104	**63**	**270**	**376**	**326**	**225**	**16**	-191	**172**	**66**

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-36-24. Old River at Rock Slough, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	964	1,010	1,266	823	622	480	437	403	478	751	724	907
20%	913	941	908	795	548	442	423	384	353	633	670	878
30%	885	788	866	782	446	393	380	380	305	568	655	805
40%	863	677	815	741	403	359	367	369	303	535	627	763
50%	800	630	620	675	386	357	347	361	294	432	592	757
60%	272	316	439	574	367	341	329	337	283	367	426	687
70%	270	283	374	449	348	293	326	319	274	259	360	519
80%	265	267	305	365	311	263	304	281	253	248	347	503
90%	248	226	270	335	286	234	254	219	237	240	317	429
Long Term												
Full Simulation Period[a]	629	602	692	613	426	359	348	337	329	460	526	686
Water Year Types[b]												
Wet (31%)	527	616	445	387	307	312	261	268	255	246	322	433
Above Normal (25%)	943	857	1,351	625	368	293	316	287	253	240	355	477
Below Normal (6%)	269	291	439	900	399	301	353	394	286	374	591	878
Dry (13%)	419	478	610	664	433	337	381	362	287	522	592	799
Critical (25%)	824	652	742	690	545	451	403	382	460	686	692	842

Alternative 8 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	873	698	682	778	816	856	766	608	481	485	826	923
20%	795	656	650	759	811	836	744	594	473	417	759	898
30%	751	619	639	755	800	825	721	580	471	397	706	884
40%	742	567	637	749	794	816	701	559	465	369	597	865
50%	680	562	618	736	768	806	656	535	458	356	549	849
60%	473	517	575	724	716	653	392	389	443	343	433	749
70%	469	482	566	691	588	354	344	345	411	334	364	461
80%	433	465	556	662	546	318	302	306	390	311	347	434
90%	384	331	397	346	308	268	219	210	378	298	329	407
Long Term												
Full Simulation Period[a]	619	535	572	662	657	620	533	450	432	379	555	706
Water Year Types[b]												
Wet (31%)	499	392	442	534	412	294	247	266	368	299	333	391
Above Normal (25%)	809	658	656	576	528	432	317	274	475	334	346	461
Below Normal (6%)	467	517	573	662	597	389	392	375	390	311	545	946
Dry (13%)	517	511	581	720	786	841	720	557	448	379	562	877
Critical (25%)	751	623	635	751	814	827	726	598	461	473	814	871

Alternative 8 (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-91	-312	-584	-45	**194**	**376**	**330**	**205**	**3**	-266	**102**	**17**
20%	-118	-285	-258	-36	**264**	**394**	**321**	**210**	**120**	-216	**89**	**20**
30%	-134	-170	-226	-27	**355**	**432**	**341**	**200**	**167**	-170	**50**	**79**
40%	-122	-110	-178	**8**	**391**	**456**	**334**	**190**	**162**	-165	-30	**103**
50%	-120	-68	-2	**61**	**382**	**449**	**309**	**175**	**165**	-76	-43	**92**
60%	**201**	**202**	**135**	**150**	**349**	**312**	**63**	**51**	**160**	-24	**7**	**61**
70%	**199**	**199**	**192**	**242**	**240**	**61**	**18**	**26**	**137**	**75**	**3**	-58
80%	**168**	**199**	**252**	**298**	**236**	**55**	-2	**25**	**137**	**64**	**0**	-69
90%	**136**	**105**	**127**	**11**	**22**	**35**	-34	-9	**140**	**58**	**12**	-22
Long Term												
Full Simulation Period[a]	-10	-68	-120	**49**	**231**	**261**	**185**	**113**	**103**	-81	**29**	**20**
Water Year Types[b]												
Wet (31%)	-28	-224	-4	**147**	**106**	-18	-14	-1	**114**	**53**	**11**	-43
Above Normal (25%)	-134	-199	-695	-49	**159**	**139**	**1**	-13	**221**	**94**	-9	-16
Below Normal (6%)	**198**	**226**	**134**	-238	**197**	**87**	**38**	-19	**105**	-63	-46	**68**
Dry (13%)	**98**	**33**	-29	**57**	**353**	**504**	**339**	**195**	**160**	-143	-31	**78**
Critical (25%)	-74	-28	-107	**62**	**269**	**375**	**322**	**217**	**1**	-213	**122**	**29**

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-36-25. Old River at Rock Slough, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	964	1,010	1,266	823	622	480	437	403	478	751	724	907
20%	913	941	908	795	548	442	423	384	353	633	670	878
30%	885	788	866	782	446	393	380	380	305	568	655	805
40%	863	677	815	741	403	359	367	369	303	535	627	763
50%	800	630	620	675	386	357	347	361	294	432	592	757
60%	272	316	439	574	367	341	329	337	283	367	426	687
70%	270	283	374	449	348	293	326	319	274	259	360	519
80%	265	267	305	365	311	263	304	281	253	248	347	503
90%	248	226	270	335	286	234	254	219	237	240	317	429
Long Term												
Full Simulation Period[a]	629	602	692	613	426	359	348	337	329	460	526	686
Water Year Types[b]												
Wet (31%)	527	616	445	387	307	312	261	268	255	246	322	433
Above Normal (25%)	943	857	1,351	625	368	293	316	287	253	240	355	477
Below Normal (6%)	269	291	439	900	399	301	353	394	286	374	591	878
Dry (13%)	419	478	610	664	433	337	381	362	287	522	592	799
Critical (25%)	824	652	742	690	545	451	403	382	460	686	692	842

Alternative 9 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	666	691	793	851	875	893	731	597	637	895	784	634
20%	598	661	754	816	862	862	720	592	574	643	744	615
30%	551	616	741	770	817	846	621	535	565	628	606	563
40%	531	583	704	729	799	810	598	532	555	623	584	556
50%	529	562	701	713	781	779	547	492	534	591	568	539
60%	487	498	653	704	643	570	363	363	518	564	551	530
70%	447	474	644	665	522	320	320	325	515	542	535	458
80%	408	466	632	649	332	298	296	296	486	532	526	447
90%	373	355	434	337	292	259	219	210	445	512	502	385
Long Term												
Full Simulation Period[a]	503	534	650	673	649	616	487	431	528	618	598	516
Water Year Types[b]												
Wet (31%)	405	411	473	480	369	282	243	257	455	513	458	371
Above Normal (25%)	604	638	751	570	458	391	297	267	559	628	509	455
Below Normal (6%)	487	498	648	654	443	325	363	349	438	526	551	539
Dry (13%)	463	507	675	751	809	816	603	529	509	540	590	553
Critical (25%)	576	618	733	811	864	873	690	576	608	780	762	622

Alternative 9 (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-298	-319	-473	28	253	413	294	194	159	144	60	-273
20%	-314	-280	-153	21	314	420	298	208	221	10	74	-262
30%	-334	-172	-125	-12	371	453	242	155	260	60	-49	-242
40%	-332	-94	-111	-12	396	451	230	163	252	88	-43	-207
50%	-271	-67	81	39	396	422	200	131	240	159	-24	-218
60%	215	182	214	130	275	229	34	26	236	197	124	-158
70%	177	191	270	217	173	26	-7	5	241	283	175	-61
80%	143	200	327	284	21	35	-7	15	233	284	179	-56
90%	124	129	164	2	6	25	-35	-9	207	272	185	-44
Long Term												
Full Simulation Period[a]	-126	-69	-42	61	223	258	139	94	199	158	72	-170
Water Year Types[b]												
Wet (31%)	-121	-205	28	93	62	-30	-18	-11	200	267	135	-62
Above Normal (25%)	-338	-219	-600	-54	89	98	-19	-21	306	387	155	-22
Below Normal (6%)	218	207	209	-246	43	24	10	-45	153	152	-41	-338
Dry (13%)	43	30	65	87	377	479	222	167	221	18	-2	-246
Critical (25%)	-248	-34	-9	121	319	421	287	194	148	94	71	-220

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

C.37. Sacramento River downstream of Steamboat Slough Salinity

Table C-37-1. Sacramento River d/s of Steamboat Slough, Monthly EC

Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	176	177	177	180	178	177	176	176	176	176	176	176
20%	176	177	176	179	178	177	176	176	176	175	176	176
30%	176	176	176	179	177	177	176	176	176	175	176	176
40%	176	176	176	178	177	177	176	176	176	175	176	176
50%	176	176	176	178	177	176	176	176	176	175	176	176
60%	176	176	176	178	177	176	176	176	176	175	176	176
70%	175	176	176	177	177	176	176	176	176	175	176	176
80%	175	176	175	177	176	176	176	176	176	175	175	176
90%	175	175	175	177	176	176	175	175	176	175	175	175
Long Term												
Full Simulation Period[a]	176	176	176	178	177	176	176	176	176	175	176	176
Water Year Types[b]												
Wet (31%)	175	177	176	178	177	176	176	176	176	175	176	175
Above Normal (25%)	176	175	179	179	177	176	176	176	176	175	176	176
Below Normal (6%)	176	176	176	185	181	176	176	176	176	175	176	176
Dry (13%)	176	176	176	178	177	176	176	176	176	175	175	176
Critical (25%)	176	176	176	178	177	177	176	176	176	176	176	176

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	176	178	177	180	178	177	176	176	176	176	176	176
20%	176	177	177	179	178	177	176	176	176	176	176	176
30%	176	176	176	179	177	177	176	176	176	175	176	176
40%	176	176	176	178	177	177	176	176	176	175	176	176
50%	176	176	176	178	177	176	176	176	176	175	176	176
60%	175	176	176	178	177	176	176	176	176	175	176	176
70%	175	176	176	177	177	176	176	176	176	175	176	175
80%	175	175	176	177	176	176	176	176	176	175	175	175
90%	175	175	175	177	176	176	175	176	176	175	175	175
Long Term												
Full Simulation Period[a]	176	176	176	178	177	176	176	176	176	175	176	176
Water Year Types[b]												
Wet (31%)	175	177	176	177	177	176	176	176	176	175	176	175
Above Normal (25%)	176	176	179	179	177	176	176	176	176	175	176	175
Below Normal (6%)	176	175	175	185	182	176	176	176	176	175	176	176
Dry (13%)	176	177	176	178	177	176	176	176	176	175	176	176
Critical (25%)	176	176	176	178	177	177	176	176	176	176	176	176

No Action Alternative (LLT) minus Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	1	0	0	0	0	0	0	0	0	0	0
20%	0	0	1	1	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	-1	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]												
Wet (31%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (25%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (6%)	0	0	0	0	1	0	0	0	0	0	0	0
Dry (13%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical (25%)	0	0	0	0	0	0	0	0	0	0	0	0

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

Table C-37-2. Sacramento River d/s of Steamboat Slough, Monthly EC

Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	176	177	177	180	178	177	176	176	176	176	176	176
20%	176	177	176	179	178	177	176	176	176	175	176	176
30%	176	176	176	179	177	177	176	176	176	175	176	176
40%	176	176	176	178	177	177	176	176	176	175	176	176
50%	176	176	176	178	177	176	176	176	176	175	176	176
60%	176	176	176	178	177	176	176	176	176	175	176	176
70%	175	176	176	177	177	176	176	176	176	175	176	176
80%	175	176	175	177	176	176	176	176	176	175	175	176
90%	175	175	175	177	176	176	175	175	176	175	175	175
Long Term												
Full Simulation Period[a]	176	176	176	178	177	176	176	176	176	175	176	176
Water Year Types[b]												
Wet (31%)	175	177	176	178	177	176	176	176	176	175	176	175
Above Normal (25%)	176	175	179	179	177	176	176	176	176	175	176	176
Below Normal (6%)	176	176	176	185	181	176	176	176	176	175	176	176
Dry (13%)	176	176	176	178	177	176	176	176	176	175	175	176
Critical (25%)	176	176	176	178	177	177	176	176	176	176	176	176

Alternative 1A,1B,1C (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	176	178	178	180	178	177	176	176	176	176	176	176
20%	176	176	177	179	177	177	176	176	176	176	176	176
30%	176	176	176	179	177	177	176	176	176	176	176	176
40%	176	176	176	179	177	176	176	176	176	176	176	176
50%	176	176	176	178	177	176	176	176	176	176	176	176
60%	176	176	176	178	177	176	176	176	176	176	176	176
70%	175	176	176	178	177	176	176	176	176	175	176	176
80%	175	176	176	177	176	176	176	176	176	175	176	176
90%	175	176	175	177	176	176	175	176	176	175	176	176
Long Term												
Full Simulation Period[a]	176	176	176	179	177	177	176	176	176	176	176	176
Water Year Types[b]												
Wet (31%)	176	177	176	178	177	176	176	176	176	176	176	176
Above Normal (25%)	176	176	178	179	177	176	176	176	176	175	176	176
Below Normal (6%)	175	176	175	185	183	176	176	176	176	176	176	176
Dry (13%)	176	177	176	178	177	176	176	176	176	176	176	176
Critical (25%)	176	176	176	178	177	177	176	176	176	176	176	176

Alternative 1A,1B,1C (LLT) minus Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	**1**	**0**	**0**	**0**	0	0	0	0	**0**	**0**	0
20%	**0**	-1	**1**	**0**	0	**0**	0	0	0	**0**	**0**	**0**
30%	0	**0**	0	**0**	0	0	0	0	**0**	**0**	**0**	**0**
40%	0	**0**	**0**	**0**	**0**	0	0	0	**0**	**0**	**0**	**0**
50%	**0**	**0**	**0**	**0**	0	**0**	0	0	0	**0**	**0**	**0**
60%	0	**0**	**0**	**0**	0	**0**	**0**	**0**	0	**0**	**0**	**0**
70%	0	**0**	**0**	**0**	**0**	**0**	**0**	**0**	0	**0**	**0**	**0**
80%	0	**0**	**0**	**0**	**0**	**0**	0	**0**	0	**0**	**0**	**0**
90%	0	**0**	0	**0**	**0**	**0**	**0**	**0**	0	**0**	**0**	**0**
Long Term												
Full Simulation Period[a]	0	**0**	**0**	**0**	**0**	**0**	0	0	0	**0**	**0**	**0**
Water Year Types[b]												
Wet (31%)	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	0	**0**	**0**	**0**
Above Normal (25%)	**0**	**0**	0	**0**	**0**	**0**	**0**	**0**	0	**0**	**0**	**0**
Below Normal (6%)	0	0	0	**0**	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Dry (13%)	**0**	**0**	**0**	0	**0**	**0**	0	0	0	**0**	**0**	**0**
Critical (25%)	0	**0**	**0**	**0**	0	**0**	0	0	0	**0**	**0**	0

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-37-3. Sacramento River d/s of Steamboat Slough, Monthly EC

Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	176	177	177	180	178	177	176	176	176	176	176	176
20%	176	177	176	179	178	177	176	176	176	175	176	176
30%	176	176	176	179	177	177	176	176	176	175	176	176
40%	176	176	176	178	177	177	176	176	176	175	176	176
50%	176	176	176	178	177	176	176	176	176	175	176	176
60%	176	176	176	178	177	176	176	176	176	175	176	176
70%	175	176	176	177	177	176	176	176	176	175	176	176
80%	175	176	175	177	176	176	176	176	176	175	175	176
90%	175	175	175	177	176	176	175	175	176	175	175	175
Long Term												
Full Simulation Period[a]	176	176	176	178	177	176	176	176	176	175	176	176
Water Year Types[b]												
Wet (31%)	175	177	176	178	177	176	176	176	176	175	176	175
Above Normal (25%)	176	175	179	179	177	176	176	176	176	175	176	176
Below Normal (6%)	176	176	176	185	181	176	176	176	176	175	176	176
Dry (13%)	176	176	176	178	177	176	176	176	176	175	175	176
Critical (25%)	176	176	176	178	177	177	176	176	176	176	176	176

Alternative 2A,2B,2C (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	176	178	177	180	178	177	176	176	176	176	176	176
20%	176	178	177	179	178	177	176	176	176	176	176	176
30%	176	176	176	178	177	177	176	176	176	176	176	176
40%	176	176	176	178	177	177	176	176	176	176	176	176
50%	176	176	176	178	177	176	176	176	176	176	176	176
60%	176	176	176	178	177	176	176	176	176	175	176	176
70%	176	176	176	177	177	176	176	176	176	175	176	175
80%	175	176	175	177	176	176	176	176	176	175	176	175
90%	175	175	175	177	176	176	175	175	175	175	176	175
Long Term												
Full Simulation Period[a]	176	176	176	178	177	177	176	176	176	176	176	176
Water Year Types[b]												
Wet (31%)	176	177	176	178	177	176	176	176	176	175	176	175
Above Normal (25%)	176	176	179	179	177	176	176	176	176	175	176	175
Below Normal (6%)	176	176	175	185	183	176	176	176	176	176	176	176
Dry (13%)	176	177	176	178	177	176	176	176	176	176	176	176
Critical (25%)	176	176	176	178	177	177	176	176	176	176	176	176

Alternative 2A,2B,2C (LLT) minus Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	1	0	0	0	0	0	0	0	0	0	0
20%	0	1	1	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]												
Wet (31%)	0	1	0	0	0	0	0	0	0	0	0	0
Above Normal (25%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (6%)	0	0	0	0	2	0	0	0	0	0	0	0
Dry (13%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical (25%)	0	0	0	0	0	0	0	0	0	0	0	0

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-37-4. Sacramento River d/s of Steamboat Slough, Monthly EC

Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	176	177	177	180	178	177	176	176	176	176	176	176
20%	176	177	176	179	178	177	176	176	176	175	176	176
30%	176	176	176	179	177	177	176	176	176	175	176	176
40%	176	176	176	178	177	177	176	176	176	175	176	176
50%	176	176	176	178	177	176	176	176	176	175	176	176
60%	176	176	176	178	177	176	176	176	176	175	176	176
70%	175	176	176	177	177	176	176	176	176	175	176	176
80%	175	176	175	177	176	176	176	176	176	175	175	176
90%	175	175	175	177	176	176	175	175	176	175	175	175
Long Term												
Full Simulation Period[a]	176	176	176	178	177	176	176	176	176	175	176	176
Water Year Types[b]												
Wet (31%)	175	177	176	178	177	176	176	176	176	175	176	175
Above Normal (25%)	176	175	179	179	177	176	176	176	176	175	176	176
Below Normal (6%)	176	176	176	185	181	176	176	176	176	175	176	176
Dry (13%)	176	176	176	178	177	176	176	176	176	175	175	176
Critical (25%)	176	176	176	178	177	177	176	176	176	176	176	176

Alternative 3 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	176	178	178	180	178	177	176	176	176	176	176	176
20%	176	177	177	179	178	177	176	176	176	176	176	176
30%	176	176	176	179	178	177	176	176	176	176	176	176
40%	176	176	176	178	177	176	176	176	176	176	176	176
50%	176	176	176	178	177	176	176	176	176	176	176	176
60%	176	176	176	178	177	176	176	176	176	176	176	176
70%	175	176	176	177	177	176	176	176	176	175	176	176
80%	175	176	176	177	176	176	176	176	176	175	176	176
90%	175	176	175	177	176	176	175	176	176	175	176	176
Long Term												
Full Simulation Period[a]	176	176	176	179	177	177	176	176	176	176	176	176
Water Year Types[b]												
Wet (31%)	176	177	176	178	177	176	176	176	176	176	176	176
Above Normal (25%)	176	176	179	179	177	176	176	176	176	176	176	176
Below Normal (6%)	175	176	175	185	183	176	176	176	176	176	176	176
Dry (13%)	176	177	176	178	177	176	176	176	176	176	176	176
Critical (25%)	176	176	176	178	177	177	176	176	176	176	176	176

Alternative 3 (LLT) minus Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	1	0	0	0	0	0	0	0	0	0	0
20%	0	0	1	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]												
Wet (31%)	0	1	0	0	0	0	0	0	0	0	0	0
Above Normal (25%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (6%)	0	0	0	0	2	0	0	0	0	1	0	0
Dry (13%)	0	1	0	0	0	0	0	0	0	0	0	0
Critical (25%)	0	0	0	0	0	0	0	0	0	0	0	0

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-37-5. Sacramento River d/s of Steamboat Slough, Monthly EC

Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	176	177	177	180	178	177	176	176	176	176	176	176
20%	176	177	176	179	178	177	176	176	176	175	176	176
30%	176	176	176	179	177	177	176	176	176	175	176	176
40%	176	176	176	178	177	177	176	176	176	175	176	176
50%	176	176	176	178	177	176	176	176	176	175	176	176
60%	176	176	176	178	177	176	176	176	176	175	176	176
70%	175	176	176	177	177	176	176	176	176	175	176	176
80%	175	176	175	177	176	176	176	176	176	175	175	176
90%	175	175	175	177	176	176	175	175	176	175	175	175
Long Term												
Full Simulation Period[a]	176	176	176	178	177	176	176	176	176	175	176	176
Water Year Types[b]												
Wet (31%)	175	177	176	178	177	176	176	176	176	175	176	175
Above Normal (25%)	176	175	179	179	177	176	176	176	176	175	176	176
Below Normal (6%)	176	176	176	185	181	176	176	176	176	175	176	176
Dry (13%)	176	176	176	178	177	176	176	176	176	175	175	176
Critical (25%)	176	176	176	178	177	177	176	176	176	176	176	176

Alternative 4 H1 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	176	178	177	180	178	177	176	176	176	176	176	176
20%	176	177	177	179	178	177	176	176	176	176	176	176
30%	176	176	176	179	177	177	176	176	176	176	176	176
40%	176	176	176	178	177	177	176	176	176	176	176	176
50%	176	176	176	178	177	176	176	176	176	176	176	176
60%	176	176	176	178	177	176	176	176	176	175	176	176
70%	176	176	176	177	177	176	176	176	176	175	176	176
80%	175	176	175	177	176	176	176	176	176	175	176	176
90%	175	176	175	177	176	176	175	175	176	175	176	175
Long Term												
Full Simulation Period[a]	176	176	176	178	177	177	176	176	176	176	176	176
Water Year Types[b]												
Wet (31%)	176	177	176	178	177	176	176	176	176	175	176	176
Above Normal (25%)	176	176	179	179	177	176	176	176	176	175	176	176
Below Normal (6%)	176	176	175	185	183	176	176	176	176	176	176	176
Dry (13%)	176	177	176	178	177	176	176	176	176	176	176	176
Critical (25%)	176	176	176	178	177	177	176	176	176	176	176	176

Alternative 4 H1 (LLT) minus Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	1	0	0	0	0	0	0	0	0	0	0
20%	0	0	1	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]												
Wet (31%)	0	1	0	0	0	0	0	0	0	0	0	0
Above Normal (25%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (6%)	0	0	0	0	2	0	0	0	0	0	0	0
Dry (13%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical (25%)	0	0	0	0	0	0	0	0	0	0	0	0

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-37-6. Sacramento River d/s of Steamboat Slough, Monthly EC

Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	176	177	177	180	178	177	176	176	176	176	176	176
20%	176	177	176	179	178	177	176	176	176	175	176	176
30%	176	176	176	179	177	177	176	176	176	175	176	176
40%	176	176	176	178	177	177	176	176	176	175	176	176
50%	176	176	176	178	177	176	176	176	176	175	176	176
60%	176	176	176	178	177	176	176	176	176	175	176	176
70%	175	176	176	177	177	176	176	176	176	175	176	176
80%	175	176	175	177	176	176	176	176	176	175	175	176
90%	175	175	175	177	176	176	175	175	176	175	175	175
Long Term												
Full Simulation Period[a]	176	176	176	178	177	176	176	176	176	175	176	176
Water Year Types[b]												
Wet (31%)	175	177	176	178	177	176	176	176	176	175	176	175
Above Normal (25%)	176	175	179	179	177	176	176	176	176	175	176	176
Below Normal (6%)	176	176	176	185	181	176	176	176	176	175	176	176
Dry (13%)	176	176	176	178	177	176	176	176	176	175	175	176
Critical (25%)	176	176	176	178	177	177	176	176	176	176	176	176

Alternative 4 H2 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	176	178	177	180	178	177	176	176	176	176	176	176
20%	176	177	177	179	178	177	176	176	176	176	176	176
30%	176	176	176	178	177	177	176	176	176	176	176	176
40%	176	176	176	178	177	177	176	176	176	176	176	176
50%	176	176	176	178	177	176	176	176	176	176	176	176
60%	175	176	176	178	177	176	176	176	176	176	176	176
70%	175	176	176	177	177	176	176	176	176	176	176	176
80%	175	176	176	177	177	176	176	175	176	176	176	176
90%	175	176	175	177	176	176	175	175	176	175	176	176
Long Term												
Full Simulation Period[a]	176	176	176	178	177	177	176	176	176	176	176	176
Water Year Types[b]												
Wet (31%)	176	177	176	178	177	176	176	176	176	176	176	176
Above Normal (25%)	176	176	178	179	177	176	175	176	176	176	176	176
Below Normal (6%)	176	176	176	185	183	176	176	176	176	176	176	176
Dry (13%)	176	177	176	178	177	176	176	176	176	176	176	176
Critical (25%)	176	176	176	178	177	177	176	176	176	176	176	176

Alternative 4 H2 (LLT) minus Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	1	0	0	0	0	0	0	0	0	0	0
20%	0	0	1	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]												
Wet (31%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (25%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (6%)	0	0	0	0	1	0	0	0	0	0	0	0
Dry (13%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical (25%)	0	0	0	-1	0	0	0	0	0	0	0	0

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-37-7. Sacramento River d/s of Steamboat Slough, Monthly EC

Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	176	177	177	180	178	177	176	176	176	176	176	176
20%	176	177	176	179	178	177	176	176	176	175	176	176
30%	176	176	176	179	177	177	176	176	176	175	176	176
40%	176	176	176	178	177	177	176	176	176	175	176	176
50%	176	176	176	178	177	176	176	176	176	175	176	176
60%	176	176	176	178	177	176	176	176	176	175	176	176
70%	175	176	176	177	177	176	176	176	176	175	176	176
80%	175	176	175	177	176	176	176	176	176	175	175	176
90%	175	175	175	177	176	176	175	175	176	175	175	175
Long Term												
Full Simulation Period[a]	176	176	176	178	177	176	176	176	176	175	176	176
Water Year Types[b]												
Wet (31%)	175	177	176	178	177	176	176	176	176	175	176	175
Above Normal (25%)	176	175	179	179	177	176	176	176	176	175	176	176
Below Normal (6%)	176	176	176	185	181	176	176	176	176	175	176	176
Dry (13%)	176	176	176	178	177	176	176	176	176	175	175	176
Critical (25%)	176	176	176	178	177	177	176	176	176	176	176	176

Alternative 4 H3 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	176	178	177	180	178	177	176	176	176	176	176	176
20%	176	177	177	179	178	177	176	176	176	176	176	176
30%	176	176	176	178	177	177	176	176	176	176	176	176
40%	176	176	176	178	177	177	176	176	176	176	176	176
50%	176	176	176	178	177	176	176	176	176	176	176	176
60%	176	176	176	178	177	176	176	176	176	175	176	176
70%	176	176	176	177	177	176	176	176	176	175	176	175
80%	175	176	176	177	176	176	176	176	176	175	176	175
90%	175	175	175	177	176	176	175	175	176	175	176	175
Long Term												
Full Simulation Period[a]	176	176	176	178	177	177	176	176	176	176	176	176
Water Year Types[b]												
Wet (31%)	176	177	176	178	177	176	176	176	176	175	176	175
Above Normal (25%)	176	176	178	179	177	176	176	176	176	175	176	175
Below Normal (6%)	176	176	176	185	183	176	176	176	176	176	176	176
Dry (13%)	176	177	176	178	177	176	176	176	176	176	176	176
Critical (25%)	176	176	176	178	177	177	176	176	176	176	176	176

Alternative 4 H3 (LLT) minus Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	1	0	0	0	0	0	0	0	0	0	0
20%	0	1	1	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]												
Wet (31%)	0	1	0	0	0	0	0	0	0	0	0	0
Above Normal (25%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (6%)	0	0	0	0	2	0	0	0	0	0	0	0
Dry (13%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical (25%)	0	0	0	0	0	0	0	0	0	0	0	0

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-37-8. Sacramento River d/s of Steamboat Slough, Monthly EC

Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	176	177	177	180	178	177	176	176	176	176	176	176
20%	176	177	176	179	178	177	176	176	176	175	176	176
30%	176	176	176	179	177	177	176	176	176	175	176	176
40%	176	176	176	178	177	177	176	176	176	175	176	176
50%	176	176	176	178	177	176	176	176	176	175	176	176
60%	176	176	176	178	177	176	176	176	176	175	176	176
70%	175	176	176	177	177	176	176	176	176	175	176	176
80%	175	176	175	177	176	176	176	176	176	175	175	176
90%	175	175	175	177	176	176	175	175	176	175	175	175
Long Term												
Full Simulation Period[a]	176	176	176	178	177	176	176	176	176	175	176	176
Water Year Types[b]												
Wet (31%)	175	177	176	178	177	176	176	176	176	175	176	175
Above Normal (25%)	176	175	179	179	177	176	176	176	176	175	176	176
Below Normal (6%)	176	176	176	185	181	176	176	176	176	175	176	176
Dry (13%)	176	176	176	178	177	176	176	176	176	175	175	176
Critical (25%)	176	176	176	178	177	177	176	176	176	176	176	176

Alternative 4 H4 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	176	178	177	180	178	177	176	176	176	176	176	176
20%	176	177	177	179	178	177	176	176	176	176	176	176
30%	176	176	176	179	177	177	176	176	176	176	176	176
40%	176	176	176	179	177	177	176	176	176	176	176	176
50%	176	176	176	178	177	176	176	176	176	176	176	176
60%	176	176	176	178	177	176	176	176	176	176	176	175
70%	175	176	176	178	177	176	176	176	176	176	176	175
80%	175	176	176	177	176	176	176	175	176	176	176	175
90%	175	175	175	177	176	176	175	175	176	175	176	175
Long Term												
Full Simulation Period[a]	176	176	176	179	177	177	176	176	176	176	176	176
Water Year Types[b]												
Wet (31%)	175	177	176	178	177	176	176	176	176	176	176	175
Above Normal (25%)	176	176	179	179	177	176	175	176	176	176	176	175
Below Normal (6%)	176	176	175	185	183	176	176	176	176	176	176	176
Dry (13%)	176	177	176	178	177	176	176	176	176	176	176	176
Critical (25%)	176	176	176	178	177	177	176	176	176	176	176	176

Alternative 4 H4 (LLT) minus Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	1	0	0	0	0	0	0	0	0	0	0
20%	0	1	1	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]												
Wet (31%)	0	1	0	0	0	0	0	0	0	0	0	0
Above Normal (25%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (6%)	0	0	0	0	2	0	0	0	0	0	0	0
Dry (13%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical (25%)	0	0	0	0	0	0	0	0	0	0	0	0

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-37-9. Sacramento River d/s of Steamboat Slough, Monthly EC

Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	176	177	177	180	178	177	176	176	176	176	176	176
20%	176	177	176	179	178	177	176	176	176	175	176	176
30%	176	176	176	179	177	177	176	176	176	175	176	176
40%	176	176	176	178	177	177	176	176	176	175	176	176
50%	176	176	176	178	177	176	176	176	176	175	176	176
60%	176	176	176	178	177	176	176	176	176	175	176	176
70%	175	176	176	177	177	176	176	176	176	175	176	176
80%	175	176	175	177	176	176	176	176	176	175	175	176
90%	175	175	175	177	176	176	175	175	176	175	175	175
Long Term												
Full Simulation Period[a]	176	176	176	178	177	176	176	176	176	175	176	176
Water Year Types[b]												
Wet (31%)	175	177	176	178	177	176	176	176	176	175	176	175
Above Normal (25%)	176	175	179	179	177	176	176	176	176	175	176	176
Below Normal (6%)	176	176	176	185	181	176	176	176	176	175	176	176
Dry (13%)	176	176	176	178	177	176	176	176	176	175	175	176
Critical (25%)	176	176	176	178	177	177	176	176	176	176	176	176

Alternative 5 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	176	178	178	180	178	177	176	176	176	176	176	176
20%	176	177	177	179	178	177	176	176	176	176	176	176
30%	176	176	176	179	177	177	176	176	176	176	176	176
40%	176	176	176	178	177	177	176	176	176	176	176	176
50%	176	176	176	178	177	176	176	176	176	175	176	176
60%	176	176	176	178	177	176	176	176	176	175	176	176
70%	176	176	176	177	177	176	176	176	176	175	176	176
80%	176	176	176	177	176	176	176	176	176	175	176	175
90%	175	175	175	177	176	176	175	176	176	175	176	175
Long Term												
Full Simulation Period[a]	176	176	176	178	177	177	176	176	176	176	176	176
Water Year Types[b]												
Wet (31%)	176	177	176	178	177	176	176	176	176	176	176	175
Above Normal (25%)	176	176	179	179	177	176	176	176	176	175	176	176
Below Normal (6%)	176	176	175	185	183	176	176	176	176	175	176	176
Dry (13%)	176	177	176	178	177	176	176	176	176	176	176	176
Critical (25%)	176	176	176	178	177	177	176	176	176	176	176	176

Alternative 5 (LLT) minus Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	1	0	0	0	0	0	0	0	0	0	0
20%	0	0	1	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]												
Wet (31%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (25%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (6%)	0	0	0	0	2	0	0	0	0	0	0	0
Dry (13%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical (25%)	0	0	0	0	0	0	0	0	0	0	0	0

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-37-10. Sacramento River d/s of Steamboat Slough, Monthly EC

Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	176	177	177	180	178	177	176	176	176	176	176	176
20%	176	177	176	179	178	177	176	176	176	175	176	176
30%	176	176	176	179	177	177	176	176	176	175	176	176
40%	176	176	176	178	177	177	176	176	176	175	176	176
50%	176	176	176	178	177	176	176	176	176	175	176	176
60%	176	176	176	178	177	176	176	176	176	175	176	176
70%	175	176	176	177	177	176	176	176	176	175	176	176
80%	175	176	175	177	176	176	176	176	176	175	175	176
90%	175	175	175	177	176	176	175	175	176	175	175	175
Long Term												
Full Simulation Period[a]	176	176	176	178	177	176	176	176	176	175	176	176
Water Year Types[b]												
Wet (31%)	175	177	176	178	177	176	176	176	176	175	176	175
Above Normal (25%)	176	175	179	179	177	176	176	176	176	175	176	176
Below Normal (6%)	176	176	176	185	181	176	176	176	176	175	176	176
Dry (13%)	176	176	176	178	177	176	176	176	176	175	175	176
Critical (25%)	176	176	176	178	177	177	176	176	176	176	176	176

Alternative 6A,6B,6C (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	176	178	177	180	178	177	176	176	176	176	176	176
20%	176	177	177	179	178	177	176	176	176	176	176	176
30%	176	176	176	179	178	177	176	176	176	176	176	176
40%	176	176	176	179	177	177	176	176	176	176	176	176
50%	176	176	176	178	177	176	176	176	176	176	176	176
60%	176	176	176	178	177	176	176	176	176	176	176	176
70%	176	176	176	178	177	176	176	176	176	176	176	176
80%	175	175	176	177	176	176	176	176	176	176	176	175
90%	175	175	176	177	176	176	175	176	176	176	176	175
Long Term												
Full Simulation Period[a]	176	176	176	179	177	177	176	176	176	176	176	176
Water Year Types[b]												
Wet (31%)	176	177	176	178	177	176	176	176	176	176	176	175
Above Normal (25%)	176	176	179	179	177	176	176	176	176	176	176	176
Below Normal (6%)	176	176	176	185	183	176	176	176	176	176	176	176
Dry (13%)	176	177	176	178	177	176	176	176	176	176	176	176
Critical (25%)	176	176	176	178	177	177	176	176	176	176	176	176

Alternative 6A,6B,6C (LLT) minus Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	1	0	0	0	0	0	0	0	0	0	0
20%	0	0	1	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]												
Wet (31%)	0	1	0	0	0	0	0	0	0	0	0	0
Above Normal (25%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (6%)	0	0	0	0	1	0	0	0	0	0	0	0
Dry (13%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical (25%)	0	0	0	0	0	0	0	0	0	0	0	0

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-37-11. Sacramento River d/s of Steamboat Slough, Monthly EC

Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	176	177	177	180	178	177	176	176	176	176	176	176
20%	176	177	176	179	178	177	176	176	176	175	176	176
30%	176	176	176	179	177	177	176	176	176	175	176	176
40%	176	176	176	178	177	177	176	176	176	175	176	176
50%	176	176	176	178	177	176	176	176	176	175	176	176
60%	176	176	176	178	177	176	176	176	176	175	176	176
70%	175	176	176	177	177	176	176	176	176	175	176	176
80%	175	176	175	177	176	176	176	176	176	175	175	176
90%	175	175	175	177	176	176	175	175	176	175	175	175
Long Term												
Full Simulation Period[a]	176	176	176	178	177	176	176	176	176	175	176	176
Water Year Types[b]												
Wet (31%)	175	177	176	178	177	176	176	176	176	175	176	175
Above Normal (25%)	176	175	179	179	177	176	176	176	176	175	176	176
Below Normal (6%)	176	176	176	185	181	176	176	176	176	175	176	176
Dry (13%)	176	176	176	178	177	176	176	176	176	175	175	176
Critical (25%)	176	176	176	178	177	177	176	176	176	176	176	176

Alternative 7 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	176	178	177	180	178	177	176	176	176	176	176	176
20%	176	177	177	179	178	177	176	176	176	176	176	176
30%	176	176	176	179	177	177	176	176	176	176	176	176
40%	176	176	176	179	177	177	176	176	176	176	176	176
50%	176	176	176	178	177	176	176	176	176	175	176	176
60%	176	176	176	178	177	176	176	176	176	175	176	176
70%	175	176	176	178	177	176	176	176	176	175	176	175
80%	175	175	176	177	176	176	176	176	176	175	176	175
90%	175	175	175	177	176	176	175	176	176	175	176	175
Long Term												
Full Simulation Period[a]	176	176	176	179	177	177	176	176	176	176	176	176
Water Year Types[b]												
Wet (31%)	176	177	176	178	177	176	176	176	176	175	176	175
Above Normal (25%)	176	175	179	179	177	176	176	176	176	175	176	175
Below Normal (6%)	176	176	176	185	183	176	176	176	176	175	176	176
Dry (13%)	176	177	176	178	177	176	176	176	176	175	176	176
Critical (25%)	176	176	176	178	177	177	176	176	176	176	176	176

Alternative 7 (LLT) minus Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	1	0	0	0	0	0	0	0	0	0	0
20%	0	0	1	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]												
Wet (31%)	0	1	0	0	0	0	0	0	0	0	0	0
Above Normal (25%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (6%)	0	0	0	0	2	0	0	0	0	0	0	0
Dry (13%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical (25%)	0	0	0	0	0	0	0	0	0	0	0	0

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-37-12. Sacramento River d/s of Steamboat Slough, Monthly EC

Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	176	177	177	180	178	177	176	176	176	176	176	176
20%	176	177	176	179	178	177	176	176	176	175	176	176
30%	176	176	176	179	177	177	176	176	176	175	176	176
40%	176	176	176	178	177	177	176	176	176	175	176	176
50%	176	176	176	178	177	176	176	176	176	175	176	176
60%	176	176	176	178	177	176	176	176	176	175	176	176
70%	175	176	176	177	177	176	176	176	176	175	176	176
80%	175	176	175	177	176	176	176	176	176	175	175	176
90%	175	175	175	177	176	176	175	175	176	175	175	175
Long Term												
Full Simulation Period[a]	176	176	176	178	177	176	176	176	176	175	176	176
Water Year Types[b]												
Wet (31%)	175	177	176	178	177	176	176	176	176	175	176	175
Above Normal (25%)	176	175	179	179	177	176	176	176	176	175	176	176
Below Normal (6%)	176	176	176	185	181	176	176	176	176	175	176	176
Dry (13%)	176	176	176	178	177	176	176	176	176	175	175	176
Critical (25%)	176	176	176	178	177	177	176	176	176	176	176	176

Alternative 8 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	176	178	177	180	178	177	176	176	176	176	176	176
20%	176	177	177	179	178	177	176	176	176	176	176	176
30%	176	176	176	179	178	177	176	176	176	176	176	176
40%	176	176	176	178	177	176	176	176	176	176	176	176
50%	176	176	176	178	177	176	176	176	176	176	176	176
60%	176	176	176	178	177	176	176	176	176	176	176	176
70%	176	176	176	178	176	176	176	176	176	176	176	176
80%	176	176	176	177	176	176	176	176	176	176	176	175
90%	175	175	176	177	176	176	175	175	176	176	176	175
Long Term												
Full Simulation Period[a]	176	176	176	178	177	176	176	176	176	176	176	176
Water Year Types[b]												
Wet (31%)	176	177	176	178	177	176	176	176	176	176	176	175
Above Normal (25%)	176	176	179	179	177	176	176	176	176	176	176	176
Below Normal (6%)	176	176	176	184	181	176	176	176	176	176	176	176
Dry (13%)	176	177	176	178	177	176	176	176	176	176	176	176
Critical (25%)	176	176	176	178	177	177	176	176	176	176	176	176

Alternative 8 (LLT) minus Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	1	0	0	0	0	0	0	0	0	0	0
20%	0	0	1	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]												
Wet (31%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (25%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (6%)	0	0	0	-1	0	0	0	0	0	0	0	0
Dry (13%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical (25%)	0	0	0	0	0	0	0	0	0	0	0	0

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-37-13. Sacramento River d/s of Steamboat Slough, Monthly EC

Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	176	177	177	180	178	177	176	176	176	176	176	176
20%	176	177	176	179	178	177	176	176	176	175	176	176
30%	176	176	176	179	177	177	176	176	176	175	176	176
40%	176	176	176	178	177	177	176	176	176	175	176	176
50%	176	176	176	178	177	176	176	176	176	175	176	176
60%	176	176	176	178	177	176	176	176	176	175	176	176
70%	175	176	176	177	177	176	176	176	176	175	176	176
80%	175	176	175	177	176	176	176	176	176	175	175	176
90%	175	175	175	177	176	176	175	175	176	175	175	175
Long Term												
Full Simulation Period[a]	176	176	176	178	177	176	176	176	176	175	176	176
Water Year Types[b]												
Wet (31%)	175	177	176	178	177	176	176	176	176	175	176	175
Above Normal (25%)	176	175	179	179	177	176	176	176	176	175	176	176
Below Normal (6%)	176	176	176	185	181	176	176	176	176	175	176	176
Dry (13%)	176	176	176	178	177	176	176	176	176	175	175	176
Critical (25%)	176	176	176	178	177	177	176	176	176	176	176	176

Alternative 9 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	176	178	177	180	178	177	176	176	176	176	176	176
20%	176	177	177	179	178	177	176	176	176	176	176	176
30%	176	176	176	179	177	177	176	176	176	176	176	176
40%	176	176	176	179	177	177	176	176	176	176	176	176
50%	176	176	176	178	177	176	176	176	176	175	176	176
60%	176	176	176	178	177	176	176	176	176	175	176	176
70%	175	176	176	178	177	176	176	176	176	175	176	175
80%	175	175	175	177	176	176	176	176	176	175	175	175
90%	175	175	175	177	176	176	175	176	176	175	175	175
Long Term												
Full Simulation Period[a]	176	176	176	179	177	177	176	176	176	176	176	176
Water Year Types[b]												
Wet (31%)	175	177	176	178	177	176	176	176	176	176	176	175
Above Normal (25%)	176	175	179	179	177	176	176	176	176	175	176	175
Below Normal (6%)	176	175	175	185	183	176	176	176	176	175	176	176
Dry (13%)	176	177	176	178	177	176	176	176	176	175	176	176
Critical (25%)	176	176	176	178	177	177	176	176	176	176	176	176

Alternative 9 (LLT) minus Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	1	0	0	0	0	0	0	0	0	0	0
20%	0	0	1	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]												
Wet (31%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (25%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (6%)	0	0	0	0	1	0	0	0	0	0	0	0
Dry (13%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical (25%)	0	0	0	0	0	0	0	0	0	0	0	0

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-37-14. Sacramento River d/s of Steamboat Slough, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	176	178	177	180	178	177	176	176	176	176	176	176
20%	176	177	177	179	178	177	176	176	176	176	176	176
30%	176	176	176	179	177	177	176	176	176	175	176	176
40%	176	176	176	178	177	177	176	176	176	175	176	176
50%	176	176	176	178	177	176	176	176	176	175	176	176
60%	175	176	176	178	177	176	176	176	176	175	176	176
70%	175	176	176	177	177	176	176	176	176	175	176	175
80%	175	175	176	177	176	176	176	176	176	175	175	175
90%	175	175	175	177	176	176	175	176	176	175	175	175
Long Term												
Full Simulation Period[a]	176	176	176	178	177	176	176	176	176	175	176	176
Water Year Types[b]												
Wet (31%)	175	177	176	177	177	176	176	176	176	175	176	175
Above Normal (25%)	176	176	179	179	177	176	176	176	176	175	176	175
Below Normal (6%)	176	175	175	185	182	176	176	176	176	175	176	176
Dry (13%)	176	177	176	178	177	176	176	176	176	175	176	176
Critical (25%)	176	176	176	178	177	177	176	176	176	176	176	176

Alternative 1A,1B,1C (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	176	178	178	180	178	177	176	176	176	176	176	176
20%	176	176	177	179	177	177	176	176	176	176	176	176
30%	176	176	176	179	177	177	176	176	176	176	176	176
40%	176	176	176	179	177	176	176	176	176	176	176	176
50%	176	176	176	178	177	176	176	176	176	176	176	176
60%	176	176	176	178	177	176	176	176	176	176	176	176
70%	175	176	176	178	177	176	176	176	176	175	176	176
80%	175	176	176	177	176	176	176	176	176	175	176	176
90%	175	176	175	177	176	176	175	176	176	175	176	176
Long Term												
Full Simulation Period[a]	176	176	176	179	177	177	176	176	176	176	176	176
Water Year Types[b]												
Wet (31%)	176	177	176	178	177	176	176	176	176	176	176	176
Above Normal (25%)	176	176	178	179	177	176	176	176	176	175	176	176
Below Normal (6%)	175	176	175	185	183	176	176	176	176	176	176	176
Dry (13%)	176	177	176	178	177	176	176	176	176	176	176	176
Critical (25%)	176	176	176	178	177	177	176	176	176	176	176	176

Alternative 1A,1B,1C (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	1	0	0	0	0	0	0	0	0	0	0
20%	0	-1	0	0	-1	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	1	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]												
Wet (31%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (25%)	0	0	0	1	0	0	0	0	0	0	0	0
Below Normal (6%)	0	0	0	0	1	0	0	0	0	0	0	0
Dry (13%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical (25%)	0	0	0	0	0	0	0	0	0	0	0	0

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-37-15. Sacramento River d/s of Steamboat Slough, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	176	178	177	180	178	177	176	176	176	176	176	176
20%	176	177	177	179	178	177	176	176	176	176	176	176
30%	176	176	176	179	177	177	176	176	176	175	176	176
40%	176	176	176	178	177	177	176	176	176	175	176	176
50%	176	176	176	178	177	176	176	176	176	175	176	176
60%	175	176	176	178	177	176	176	176	176	175	176	176
70%	175	176	176	177	177	176	176	176	176	175	176	175
80%	175	175	176	177	176	176	176	176	176	175	175	175
90%	175	175	175	177	176	176	175	176	176	175	175	175
Long Term												
Full Simulation Period[a]	176	176	176	178	177	176	176	176	176	175	176	176
Water Year Types[b]												
Wet (31%)	175	177	176	177	177	176	176	176	176	175	176	175
Above Normal (25%)	176	176	179	179	177	176	176	176	176	175	176	175
Below Normal (6%)	176	175	175	185	182	176	176	176	176	175	176	176
Dry (13%)	176	177	176	178	177	176	176	176	176	175	176	176
Critical (25%)	176	176	176	178	177	177	176	176	176	176	176	176

Alternative 2A,2B,2C (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	176	178	177	180	178	177	176	176	176	176	176	176
20%	176	178	177	179	178	177	176	176	176	176	176	176
30%	176	176	176	178	177	177	176	176	176	176	176	176
40%	176	176	176	178	177	177	176	176	176	176	176	176
50%	176	176	176	178	177	176	176	176	176	176	176	176
60%	176	176	176	178	177	176	176	176	176	175	176	176
70%	176	176	176	177	177	176	176	176	176	175	176	175
80%	175	176	175	177	176	176	176	176	176	175	176	175
90%	175	175	175	177	176	176	175	175	175	175	176	175
Long Term												
Full Simulation Period[a]	176	176	176	178	177	177	176	176	176	176	176	176
Water Year Types[b]												
Wet (31%)	176	177	176	178	177	176	176	176	176	175	176	175
Above Normal (25%)	176	176	179	179	177	176	176	176	176	175	176	175
Below Normal (6%)	176	176	175	185	183	176	176	176	176	176	176	176
Dry (13%)	176	177	176	178	177	176	176	176	176	176	176	176
Critical (25%)	176	176	176	178	177	177	176	176	176	176	176	176

Alternative 2A,2B,2C (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	0	1	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]												
Wet (31%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (25%)	0	0	0	1	0	0	0	0	0	0	0	0
Below Normal (6%)	0	0	0	0	1	0	0	0	0	0	0	0
Dry (13%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical (25%)	0	0	0	0	0	0	0	0	0	0	0	0

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-37-16. Sacramento River d/s of Steamboat Slough, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	176	178	177	180	178	177	176	176	176	176	176	176
20%	176	177	177	179	178	177	176	176	176	176	176	176
30%	176	176	176	179	177	177	176	176	176	175	176	176
40%	176	176	176	178	177	177	176	176	176	175	176	176
50%	176	176	176	178	177	176	176	176	176	175	176	176
60%	175	176	176	178	177	176	176	176	176	175	176	176
70%	175	176	176	177	177	176	176	176	176	175	176	175
80%	175	175	176	177	176	176	176	176	176	175	175	175
90%	175	175	175	177	176	176	175	176	176	175	175	175
Long Term												
Full Simulation Period[a]	176	176	176	178	177	176	176	176	176	175	176	176
Water Year Types[b]												
Wet (31%)	175	177	176	177	177	176	176	176	176	175	176	175
Above Normal (25%)	176	176	179	179	177	176	176	176	176	175	176	175
Below Normal (6%)	176	175	175	185	182	176	176	176	176	175	176	176
Dry (13%)	176	177	176	178	177	176	176	176	176	175	176	176
Critical (25%)	176	176	176	178	177	177	176	176	176	176	176	176

Alternative 3 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	176	178	178	180	178	177	176	176	176	176	176	176
20%	176	177	177	179	178	177	176	176	176	176	176	176
30%	176	176	176	179	178	177	176	176	176	176	176	176
40%	176	176	176	178	177	176	176	176	176	176	176	176
50%	176	176	176	178	177	176	176	176	176	176	176	176
60%	176	176	176	178	177	176	176	176	176	176	176	176
70%	175	176	176	177	177	176	176	176	176	175	176	176
80%	175	176	176	177	176	176	176	176	176	175	176	176
90%	175	176	175	177	176	176	175	176	176	175	176	176
Long Term												
Full Simulation Period[a]	176	176	176	179	177	177	176	176	176	176	176	176
Water Year Types[b]												
Wet (31%)	176	177	176	178	177	176	176	176	176	176	176	176
Above Normal (25%)	176	176	179	179	177	176	176	176	176	176	176	176
Below Normal (6%)	175	176	175	185	183	176	176	176	176	176	176	176
Dry (13%)	176	177	176	178	177	176	176	176	176	176	176	176
Critical (25%)	176	176	176	178	177	177	176	176	176	176	176	176

Alternative 3 (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]												
Wet (31%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (25%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (6%)	0	0	0	1	1	0	0	0	0	0	0	0
Dry (13%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical (25%)	0	0	0	0	0	0	0	0	0	0	0	0

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-37-17. Sacramento River d/s of Steamboat Slough, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	176	178	177	180	178	177	176	176	176	176	176	176
20%	176	177	177	179	178	177	176	176	176	176	176	176
30%	176	176	176	179	177	177	176	176	176	175	176	176
40%	176	176	176	178	177	177	176	176	176	175	176	176
50%	176	176	176	178	177	176	176	176	176	175	176	176
60%	175	176	176	178	177	176	176	176	176	175	176	176
70%	175	176	176	177	177	176	176	176	176	175	176	175
80%	175	175	176	177	176	176	176	176	176	175	175	175
90%	175	175	175	177	176	176	175	176	176	175	175	175
Long Term												
Full Simulation Period[a]	176	176	176	178	177	176	176	176	176	175	176	176
Water Year Types[b]												
Wet (31%)	175	177	176	177	177	176	176	176	176	175	176	175
Above Normal (25%)	176	176	179	179	177	176	176	176	176	175	176	175
Below Normal (6%)	176	175	175	185	182	176	176	176	176	175	176	176
Dry (13%)	176	177	176	178	177	176	176	176	176	175	176	176
Critical (25%)	176	176	176	178	177	177	176	176	176	176	176	176

Alternative 4 H1 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	176	178	177	180	178	177	176	176	176	176	176	176
20%	176	177	177	179	178	177	176	176	176	176	176	176
30%	176	176	176	179	177	177	176	176	176	176	176	176
40%	176	176	176	178	177	177	176	176	176	176	176	176
50%	176	176	176	178	177	176	176	176	176	176	176	176
60%	176	176	176	178	177	176	176	176	176	175	176	176
70%	176	176	176	177	177	176	176	176	176	175	176	176
80%	175	176	175	177	176	176	176	176	176	175	176	176
90%	175	176	175	177	176	176	175	175	176	175	176	175
Long Term												
Full Simulation Period[a]	176	176	176	178	177	177	176	176	176	176	176	176
Water Year Types[b]												
Wet (31%)	176	177	176	178	177	176	176	176	176	175	176	176
Above Normal (25%)	176	176	179	179	177	176	176	176	176	175	176	176
Below Normal (6%)	176	176	175	185	183	176	176	176	176	176	176	176
Dry (13%)	176	177	176	178	177	176	176	176	176	176	176	176
Critical (25%)	176	176	176	178	177	177	176	176	176	176	176	176

Alternative 4 H1 (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]												
Wet (31%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (25%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (6%)	0	0	0	0	1	0	0	0	0	0	0	0
Dry (13%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical (25%)	0	0	0	0	0	0	0	0	0	0	0	0

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-37-18. Sacramento River d/s of Steamboat Slough, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	176	178	177	180	178	177	176	176	176	176	176	176
20%	176	177	177	179	178	177	176	176	176	176	176	176
30%	176	176	176	179	177	177	176	176	176	175	176	176
40%	176	176	176	178	177	177	176	176	176	175	176	176
50%	176	176	176	178	177	176	176	176	176	175	176	176
60%	175	176	176	178	177	176	176	176	176	175	176	176
70%	175	176	176	177	177	176	176	176	176	175	176	175
80%	175	175	176	177	176	176	176	176	176	175	175	175
90%	175	175	175	177	176	176	175	176	176	175	175	175
Long Term												
Full Simulation Period[a]	176	176	176	178	177	176	176	176	176	175	176	176
Water Year Types[b]												
Wet (31%)	175	177	176	177	177	176	176	176	176	175	176	175
Above Normal (25%)	176	176	179	179	177	176	176	176	176	175	176	175
Below Normal (6%)	176	175	175	185	182	176	176	176	176	175	176	176
Dry (13%)	176	177	176	178	177	176	176	176	176	175	176	176
Critical (25%)	176	176	176	178	177	177	176	176	176	176	176	176

Alternative 4 H2 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	176	178	177	180	178	177	176	176	176	176	176	176
20%	176	177	177	179	178	177	176	176	176	176	176	176
30%	176	176	176	178	177	177	176	176	176	176	176	176
40%	176	176	176	178	177	177	176	176	176	176	176	176
50%	176	176	176	178	177	176	176	176	176	176	176	176
60%	175	176	176	178	177	176	176	176	176	176	176	176
70%	175	176	176	177	177	176	176	176	176	176	176	176
80%	175	176	176	177	177	176	176	175	176	176	176	176
90%	175	176	175	177	176	176	175	175	176	175	176	176
Long Term												
Full Simulation Period[a]	176	176	176	178	177	177	176	176	176	176	176	176
Water Year Types[b]												
Wet (31%)	176	177	176	178	177	176	176	176	176	176	176	176
Above Normal (25%)	176	176	178	179	177	176	175	176	176	176	176	176
Below Normal (6%)	176	176	176	185	183	176	176	176	176	176	176	176
Dry (13%)	176	177	176	178	177	176	176	176	176	176	176	176
Critical (25%)	176	176	176	178	177	177	176	176	176	176	176	176

Alternative 4 H2 (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]												
Wet (31%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (25%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (6%)	0	0	0	0	0	0	0	0	0	0	0	0
Dry (13%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical (25%)	0	0	0	0	0	0	0	0	0	0	0	0

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-37-19. Sacramento River d/s of Steamboat Slough, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	176	178	177	180	178	177	176	176	176	176	176	176
20%	176	177	177	179	178	177	176	176	176	176	176	176
30%	176	176	176	179	177	177	176	176	176	175	176	176
40%	176	176	176	178	177	177	176	176	176	175	176	176
50%	176	176	176	178	177	176	176	176	176	175	176	176
60%	175	176	176	178	177	176	176	176	176	175	176	176
70%	175	176	176	177	177	176	176	176	176	175	176	175
80%	175	175	176	177	176	176	176	176	176	175	175	175
90%	175	175	175	177	176	176	175	176	176	175	175	175
Long Term												
Full Simulation Period[a]	176	176	176	178	177	176	176	176	176	175	176	176
Water Year Types[b]												
Wet (31%)	175	177	176	177	177	176	176	176	176	175	176	175
Above Normal (25%)	176	176	179	179	177	176	176	176	176	175	176	175
Below Normal (6%)	176	175	175	185	182	176	176	176	176	175	176	176
Dry (13%)	176	177	176	178	177	176	176	176	176	175	176	176
Critical (25%)	176	176	176	178	177	177	176	176	176	176	176	176

Alternative 4 H3 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	176	178	177	180	178	177	176	176	176	176	176	176
20%	176	177	177	179	178	177	176	176	176	176	176	176
30%	176	176	176	178	177	177	176	176	176	176	176	176
40%	176	176	176	178	177	177	176	176	176	176	176	176
50%	176	176	176	178	177	176	176	176	176	176	176	176
60%	176	176	176	178	177	176	176	176	176	175	176	176
70%	176	176	176	177	177	176	176	176	176	175	176	175
80%	175	176	176	177	176	176	176	176	176	175	176	175
90%	175	175	175	177	176	176	175	175	176	175	176	175
Long Term												
Full Simulation Period[a]	176	176	176	178	177	177	176	176	176	176	176	176
Water Year Types[b]												
Wet (31%)	176	177	176	178	177	176	176	176	176	175	176	175
Above Normal (25%)	176	176	178	179	177	176	176	176	176	175	176	175
Below Normal (6%)	176	176	176	185	183	176	176	176	176	176	176	176
Dry (13%)	176	177	176	178	177	176	176	176	176	176	176	176
Critical (25%)	176	176	176	178	177	177	176	176	176	176	176	176

Alternative 4 H3 (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]												
Wet (31%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (25%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (6%)	0	0	0	0	1	0	0	0	0	0	0	0
Dry (13%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical (25%)	0	0	0	0	0	0	0	0	0	0	0	0

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-37-20. Sacramento River d/s of Steamboat Slough, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	176	178	177	180	178	177	176	176	176	176	176	176
20%	176	177	177	179	178	177	176	176	176	176	176	176
30%	176	176	176	179	177	177	176	176	176	175	176	176
40%	176	176	176	178	177	177	176	176	176	175	176	176
50%	176	176	176	178	177	176	176	176	176	175	176	176
60%	175	176	176	178	177	176	176	176	176	175	176	176
70%	175	176	176	177	177	176	176	176	176	175	176	175
80%	175	175	176	177	176	176	176	176	176	175	175	175
90%	175	175	175	177	176	176	175	176	176	175	175	175
Long Term												
Full Simulation Period[a]	176	176	176	178	177	176	176	176	176	175	176	176
Water Year Types[b]												
Wet (31%)	175	177	176	177	177	176	176	176	176	175	176	175
Above Normal (25%)	176	176	179	179	177	176	176	176	176	175	176	175
Below Normal (6%)	176	175	175	185	182	176	176	176	176	175	176	176
Dry (13%)	176	177	176	178	177	176	176	176	176	175	176	176
Critical (25%)	176	176	176	178	177	177	176	176	176	176	176	176

Alternative 4 H4 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	176	178	177	180	178	177	176	176	176	176	176	176
20%	176	177	177	179	178	177	176	176	176	176	176	176
30%	176	176	176	179	177	177	176	176	176	176	176	176
40%	176	176	176	179	177	177	176	176	176	176	176	176
50%	176	176	176	178	177	176	176	176	176	176	176	176
60%	176	176	176	178	177	176	176	176	176	176	176	175
70%	175	176	176	178	177	176	176	176	176	176	176	175
80%	175	176	176	177	176	176	176	175	176	176	176	175
90%	175	175	175	177	176	176	175	175	176	175	176	175
Long Term												
Full Simulation Period[a]	176	176	176	179	177	177	176	176	176	176	176	176
Water Year Types[b]												
Wet (31%)	175	177	176	178	177	176	176	176	176	176	176	175
Above Normal (25%)	176	176	179	179	177	176	175	176	176	176	176	175
Below Normal (6%)	176	176	175	185	183	176	176	176	176	176	176	176
Dry (13%)	176	177	176	178	177	176	176	176	176	176	176	176
Critical (25%)	176	176	176	178	177	177	176	176	176	176	176	176

Alternative 4 H4 (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	1	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]												
Wet (31%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (25%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (6%)	0	0	0	0	1	0	0	0	0	0	0	0
Dry (13%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical (25%)	0	0	0	0	0	0	0	0	0	0	0	0

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-37-21. Sacramento River d/s of Steamboat Slough, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	176	178	177	180	178	177	176	176	176	176	176	176
20%	176	177	177	179	178	177	176	176	176	176	176	176
30%	176	176	176	179	177	177	176	176	176	175	176	176
40%	176	176	176	178	177	177	176	176	176	175	176	176
50%	176	176	176	178	177	176	176	176	176	175	176	176
60%	175	176	176	178	177	176	176	176	176	175	176	176
70%	175	176	176	177	177	176	176	176	176	175	176	175
80%	175	175	176	177	176	176	176	176	176	175	175	175
90%	175	175	175	177	176	176	175	176	176	175	175	175
Long Term												
Full Simulation Period[a]	176	176	176	178	177	176	176	176	176	175	176	176
Water Year Types[b]												
Wet (31%)	175	177	176	177	177	176	176	176	176	175	176	175
Above Normal (25%)	176	176	179	179	177	176	176	176	176	175	176	175
Below Normal (6%)	176	175	175	185	182	176	176	176	176	175	176	176
Dry (13%)	176	177	176	178	177	176	176	176	176	175	176	176
Critical (25%)	176	176	176	178	177	177	176	176	176	176	176	176

Alternative 5 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	176	178	178	180	178	177	176	176	176	176	176	176
20%	176	177	177	179	178	177	176	176	176	176	176	176
30%	176	176	176	179	177	177	176	176	176	176	176	176
40%	176	176	176	178	177	177	176	176	176	176	176	176
50%	176	176	176	178	177	176	176	176	176	175	176	176
60%	176	176	176	178	177	176	176	176	176	175	176	176
70%	176	176	176	177	177	176	176	176	176	175	176	176
80%	176	176	176	177	176	176	176	176	176	175	176	175
90%	175	175	175	177	176	176	175	176	176	175	176	175
Long Term												
Full Simulation Period[a]	176	176	176	178	177	177	176	176	176	176	176	176
Water Year Types[b]												
Wet (31%)	176	177	176	178	177	176	176	176	176	176	176	175
Above Normal (25%)	176	176	179	179	177	176	176	176	176	175	176	176
Below Normal (6%)	176	176	175	185	183	176	176	176	176	175	176	176
Dry (13%)	176	177	176	178	177	176	176	176	176	176	176	176
Critical (25%)	176	176	176	178	177	177	176	176	176	176	176	176

Alternative 5 (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	-1	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]												
Wet (31%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (25%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (6%)	0	0	0	1	1	0	0	0	0	0	0	0
Dry (13%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical (25%)	0	0	0	0	0	0	0	0	0	0	0	0

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-37-22. Sacramento River d/s of Steamboat Slough, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	176	178	177	180	178	177	176	176	176	176	176	176
20%	176	177	177	179	178	177	176	176	176	176	176	176
30%	176	176	176	179	177	177	176	176	176	175	176	176
40%	176	176	176	178	177	177	176	176	176	175	176	176
50%	176	176	176	178	177	176	176	176	176	175	176	176
60%	175	176	176	178	177	176	176	176	176	175	176	176
70%	175	176	176	177	177	176	176	176	176	175	176	175
80%	175	175	176	177	176	176	176	176	176	175	175	175
90%	175	175	175	177	176	176	175	176	176	175	175	175
Long Term												
Full Simulation Period[a]	176	176	176	178	177	176	176	176	176	175	176	176
Water Year Types[b]												
Wet (31%)	175	177	176	177	177	176	176	176	176	175	176	175
Above Normal (25%)	176	176	179	179	177	176	176	176	176	175	176	175
Below Normal (6%)	176	175	175	185	182	176	176	176	176	175	176	176
Dry (13%)	176	177	176	178	177	176	176	176	176	175	176	176
Critical (25%)	176	176	176	178	177	177	176	176	176	176	176	176

Alternative 6A,6B,6C (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	176	178	177	180	178	177	176	176	176	176	176	176
20%	176	177	177	179	178	177	176	176	176	176	176	176
30%	176	176	176	179	178	177	176	176	176	176	176	176
40%	176	176	176	179	177	177	176	176	176	176	176	176
50%	176	176	176	178	177	176	176	176	176	176	176	176
60%	176	176	176	178	177	176	176	176	176	176	176	176
70%	176	176	176	178	177	176	176	176	176	176	176	176
80%	175	175	176	177	176	176	176	176	176	176	176	175
90%	175	175	176	177	176	176	175	176	176	176	176	175
Long Term												
Full Simulation Period[a]	176	176	176	179	177	177	176	176	176	176	176	176
Water Year Types[b]												
Wet (31%)	176	177	176	178	177	176	176	176	176	176	176	175
Above Normal (25%)	176	176	179	179	177	176	176	176	176	176	176	176
Below Normal (6%)	176	176	176	185	183	176	176	176	176	176	176	176
Dry (13%)	176	177	176	178	177	176	176	176	176	176	176	176
Critical (25%)	176	176	176	178	177	177	176	176	176	176	176	176

Alternative 6A,6B,6C (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	1	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]												
Wet (31%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (25%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (6%)	0	0	0	1	0	0	0	0	0	0	0	0
Dry (13%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical (25%)	0	0	0	0	0	0	0	0	0	0	0	0

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-37-23. Sacramento River d/s of Steamboat Slough, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	176	178	177	180	178	177	176	176	176	176	176	176
20%	176	177	177	179	178	177	176	176	176	176	176	176
30%	176	176	176	179	177	177	176	176	176	175	176	176
40%	176	176	176	178	177	177	176	176	176	175	176	176
50%	176	176	176	178	177	176	176	176	176	175	176	176
60%	175	176	176	178	177	176	176	176	176	175	176	176
70%	175	176	176	177	177	176	176	176	176	175	176	175
80%	175	175	176	177	176	176	176	176	176	175	175	175
90%	175	175	175	177	176	176	175	176	176	175	175	175
Long Term												
Full Simulation Period[a]	176	176	176	178	177	176	176	176	176	175	176	176
Water Year Types[b]												
Wet (31%)	175	177	176	177	177	176	176	176	176	175	176	175
Above Normal (25%)	176	176	179	179	177	176	176	176	176	175	176	175
Below Normal (6%)	176	175	175	185	182	176	176	176	176	175	176	176
Dry (13%)	176	177	176	178	177	176	176	176	176	175	176	176
Critical (25%)	176	176	176	178	177	177	176	176	176	176	176	176

Alternative 7 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	176	178	177	180	178	177	176	176	176	176	176	176
20%	176	177	177	179	178	177	176	176	176	176	176	176
30%	176	176	176	179	177	177	176	176	176	176	176	176
40%	176	176	176	179	177	177	176	176	176	176	176	176
50%	176	176	176	178	177	176	176	176	176	175	176	176
60%	176	176	176	178	177	176	176	176	176	175	176	176
70%	175	176	176	178	177	176	176	176	176	175	176	175
80%	175	175	176	177	176	176	176	176	176	175	176	175
90%	175	175	175	177	176	176	175	176	176	175	176	175
Long Term												
Full Simulation Period[a]	176	176	176	179	177	177	176	176	176	176	176	176
Water Year Types[b]												
Wet (31%)	176	177	176	178	177	176	176	176	176	175	176	175
Above Normal (25%)	176	175	179	179	177	176	176	176	176	175	176	175
Below Normal (6%)	176	176	176	185	183	176	176	176	176	175	176	176
Dry (13%)	176	177	176	178	177	176	176	176	176	175	176	176
Critical (25%)	176	176	176	178	177	177	176	176	176	176	176	176

Alternative 7 (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	-1	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	1	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]												
Wet (31%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (25%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (6%)	0	0	0	0	1	0	0	0	0	0	0	0
Dry (13%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical (25%)	0	0	0	0	0	0	0	0	0	0	0	0

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-37-24. Sacramento River d/s of Steamboat Slough, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	176	178	177	180	178	177	176	176	176	176	176	176
20%	176	177	177	179	178	177	176	176	176	176	176	176
30%	176	176	176	179	177	177	176	176	176	175	176	176
40%	176	176	176	178	177	177	176	176	176	175	176	176
50%	176	176	176	178	177	176	176	176	176	175	176	176
60%	175	176	176	178	177	176	176	176	176	175	176	176
70%	175	176	176	177	177	176	176	176	176	175	176	175
80%	175	175	176	177	176	176	176	176	176	175	175	175
90%	175	175	175	177	176	176	175	176	176	175	175	175
Long Term												
Full Simulation Period[a]	176	176	176	178	177	176	176	176	176	175	176	176
Water Year Types[b]												
Wet (31%)	175	177	176	177	177	176	176	176	176	175	176	175
Above Normal (25%)	176	176	179	179	177	176	176	176	176	175	176	175
Below Normal (6%)	176	175	175	185	182	176	176	176	176	175	176	176
Dry (13%)	176	177	176	178	177	176	176	176	176	175	176	176
Critical (25%)	176	176	176	178	177	177	176	176	176	176	176	176

Alternative 8 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	176	178	177	180	178	177	176	176	176	176	176	176
20%	176	177	177	179	178	177	176	176	176	176	176	176
30%	176	176	176	179	178	177	176	176	176	176	176	176
40%	176	176	176	178	177	176	176	176	176	176	176	176
50%	176	176	176	178	177	176	176	176	176	176	176	176
60%	176	176	176	178	177	176	176	176	176	176	176	176
70%	176	176	176	178	176	176	176	176	176	176	176	176
80%	176	176	176	177	176	176	176	176	176	176	176	175
90%	175	175	176	177	176	176	175	175	176	176	176	175
Long Term												
Full Simulation Period[a]	176	176	176	178	177	176	176	176	176	176	176	176
Water Year Types[b]												
Wet (31%)	176	177	176	178	177	176	176	176	176	176	176	175
Above Normal (25%)	176	176	179	179	177	176	176	176	176	176	176	176
Below Normal (6%)	176	176	176	184	181	176	176	176	176	176	176	176
Dry (13%)	176	177	176	178	177	176	176	176	176	176	176	176
Critical (25%)	176	176	176	178	177	177	176	176	176	176	176	176

Alternative 8 (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]												
Wet (31%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (25%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (6%)	0	0	0	-1	-1	0	0	0	0	0	0	0
Dry (13%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical (25%)	0	0	0	0	0	0	0	0	0	0	0	0

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-37-25. Sacramento River d/s of Steamboat Slough, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	176	178	177	180	178	177	176	176	176	176	176	176
20%	176	177	177	179	178	177	176	176	176	176	176	176
30%	176	176	176	179	177	177	176	176	176	175	176	176
40%	176	176	176	178	177	177	176	176	176	175	176	176
50%	176	176	176	178	177	176	176	176	176	175	176	176
60%	175	176	176	178	177	176	176	176	176	175	176	176
70%	175	176	176	177	177	176	176	176	176	175	176	175
80%	175	175	176	177	176	176	176	176	176	175	175	175
90%	175	175	175	177	176	176	175	176	176	175	175	175
Long Term												
Full Simulation Period[a]	176	176	176	178	177	176	176	176	176	175	176	176
Water Year Types[b]												
Wet (31%)	175	177	176	177	177	176	176	176	176	175	176	175
Above Normal (25%)	176	176	179	179	177	176	176	176	176	175	176	175
Below Normal (6%)	176	175	175	185	182	176	176	176	176	175	176	176
Dry (13%)	176	177	176	178	177	176	176	176	176	175	176	176
Critical (25%)	176	176	176	178	177	177	176	176	176	176	176	176

Alternative 9 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	176	178	177	180	178	177	176	176	176	176	176	176
20%	176	177	177	179	178	177	176	176	176	176	176	176
30%	176	176	176	179	177	177	176	176	176	176	176	176
40%	176	176	176	179	177	177	176	176	176	176	176	176
50%	176	176	176	178	177	176	176	176	176	175	176	176
60%	176	176	176	178	177	176	176	176	176	175	176	176
70%	175	176	176	178	177	176	176	176	176	175	176	175
80%	175	175	175	177	176	176	176	176	176	175	175	175
90%	175	175	175	177	176	176	175	176	176	175	175	175
Long Term												
Full Simulation Period[a]	176	176	176	179	177	177	176	176	176	176	176	176
Water Year Types[b]												
Wet (31%)	175	177	176	178	177	176	176	176	176	176	176	175
Above Normal (25%)	176	175	179	179	177	176	176	176	176	175	176	175
Below Normal (6%)	176	175	175	185	183	176	176	176	176	175	176	176
Dry (13%)	176	177	176	178	177	176	176	176	176	175	176	176
Critical (25%)	176	176	176	178	177	177	176	176	176	176	176	176

Alternative 9 (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	-1	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	1	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b]												
Wet (31%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (25%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (6%)	0	0	0	0	0	0	0	0	0	0	0	0
Dry (13%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical (25%)	0	0	0	0	0	0	0	0	0	0	0	0

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

C.38. Sacramento River at Mallard Slough Salinity

Table C-38-1. Sacramento River at Mallard Slough, Monthly EC

Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	14,122	14,069	12,333	9,904	8,297	4,059	4,600	7,163	10,179	11,603	11,627	13,190
20%	13,584	13,673	12,070	8,056	6,682	3,221	3,775	6,336	8,297	10,291	11,148	12,948
30%	13,405	13,295	12,041	6,761	3,653	2,352	2,421	5,447	7,018	9,460	10,150	12,370
40%	13,211	13,140	11,204	5,512	3,558	1,376	1,923	3,332	5,656	8,317	9,439	11,941
50%	12,772	12,978	9,171	4,234	1,214	895	1,022	2,755	5,585	8,259	8,609	11,515
60%	11,718	12,740	8,086	3,402	663	334	689	1,717	4,059	6,402	8,162	11,000
70%	11,075	9,371	7,246	1,282	225	218	515	871	2,861	5,146	7,928	10,893
80%	10,674	7,398	1,490	351	216	208	381	747	2,161	4,326	7,794	10,135
90%	3,879	2,830	199	216	213	205	211	300	1,098	3,818	7,508	6,703
Long Term												
Full Simulation Period[a]	11,009	10,456	8,018	4,607	3,002	1,735	1,967	3,394	5,366	7,407	8,862	10,603
Water Year Types[b]												
Wet (31%)	7,319	5,554	2,062	1,042	210	210	363	711	1,907	3,470	5,971	6,344
Above Normal (25%)	13,938	12,767	9,645	667	221	208	322	623	1,847	4,306	7,871	10,288
Below Normal (6%)	11,300	12,740	12,379	5,512	849	334	802	899	3,007	6,402	8,316	11,941
Dry (13%)	11,788	11,518	8,960	6,320	3,932	1,457	1,675	3,482	5,880	8,496	9,059	11,483
Critical (25%)	12,107	12,146	10,506	7,484	6,033	4,069	4,375	7,077	9,603	11,127	11,523	13,165

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	13,228	14,006	13,056	8,727	8,514	5,581	5,145	7,755	10,610	10,994	11,682	13,518
20%	12,485	12,683	11,953	7,995	4,776	4,232	4,809	6,713	8,320	9,136	10,380	13,182
30%	12,259	12,426	10,108	6,172	4,395	2,992	3,446	4,760	6,910	8,985	9,790	12,839
40%	11,848	12,167	8,038	5,746	4,018	1,531	2,286	4,662	6,567	8,521	9,320	12,403
50%	11,440	9,466	7,777	5,019	2,235	1,459	1,627	3,923	5,750	7,585	8,141	12,113
60%	6,284	6,399	7,472	3,683	1,154	531	1,141	2,423	4,903	5,291	7,833	11,425
70%	4,405	5,130	6,650	1,365	252	256	694	2,081	4,419	4,519	7,305	6,043
80%	2,881	3,656	3,651	327	212	205	513	1,312	3,382	4,120	7,212	4,051
90%	2,840	1,983	220	212	208	204	224	480	2,493	3,305	7,119	3,222
Long Term												
Full Simulation Period[a]	8,694	8,518	7,508	4,564	3,244	2,150	2,423	3,948	6,023	7,029	8,841	9,622
Water Year Types[b]												
Wet (31%)	7,485	5,684	2,165	1,077	218	227	508	1,458	3,009	3,524	7,082	3,392
Above Normal (25%)	12,515	12,541	9,799	624	226	207	423	990	3,472	4,050	7,204	6,043
Below Normal (6%)	6,284	6,399	8,552	4,898	1,240	531	1,182	2,097	3,382	7,367	9,320	12,403
Dry (13%)	5,972	6,918	7,655	6,981	4,441	2,064	2,441	4,087	6,205	7,664	8,624	12,159
Critical (25%)	10,792	10,881	10,538	6,931	6,316	4,858	4,990	7,383	9,836	10,449	10,980	13,451

No Action Alternative (LLT) minus Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-894	-63	**722**	-1,177	**217**	**1,522**	**546**	**592**	**431**	-610	**55**	**328**
20%	-1,099	-990	-117	-62	-1,906	**1,011**	**1,034**	**377**	**23**	-1,154	-768	**235**
30%	-1,146	-869	-1,933	-589	**742**	**640**	**1,025**	-688	-108	-475	-361	**469**
40%	-1,363	-974	-3,166	**234**	**460**	**155**	**363**	**1,330**	**911**	**204**	-118	**462**
50%	-1,332	-3,512	-1,394	**785**	**1,021**	**565**	**604**	**1,168**	**166**	-674	-468	**598**
60%	-5,434	-6,341	-614	**280**	**492**	**197**	**452**	**706**	**844**	-1,111	-329	**426**
70%	-6,670	-4,242	-596	**83**	**27**	**37**	**179**	**1,210**	**1,558**	-627	-623	-4,851
80%	-7,793	-3,742	**2,160**	-24	-4	-3	**131**	**565**	**1,221**	-206	-582	-6,084
90%	-1,039	-847	**21**	-4	-5	-1	**13**	**180**	**1,395**	-513	-389	-3,481
Long Term												
Full Simulation Period[a]	-2,315	-1,937	-510	-43	**242**	**415**	**456**	**554**	**656**	-378	-21	-981
Water Year Types[b]												
Wet (31%)	**165**	**130**	**104**	**35**	**8**	**17**	**145**	**746**	**1,102**	**54**	**1,111**	-2,952
Above Normal (25%)	-1,423	-226	**154**	-43	**5**	-1	**101**	**367**	**1,625**	-256	-667	-4,245
Below Normal (6%)	-5,016	-6,341	-3,827	-614	**391**	**197**	**380**	**1,197**	**375**	**965**	**1,005**	**462**
Dry (13%)	-5,817	-4,600	-1,305	**661**	**508**	**607**	**766**	**605**	**325**	-832	-435	**676**
Critical (25%)	-1,315	-1,265	**32**	-553	**283**	**789**	**615**	**306**	**233**	-678	-543	**286**

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

Table C-38-2. Sacramento River at Mallard Slough, Monthly EC

Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	14,122	14,069	12,333	9,904	8,297	4,059	4,600	7,163	10,179	11,603	11,627	13,190
20%	13,584	13,673	12,070	8,056	6,682	3,221	3,775	6,336	8,297	10,291	11,148	12,948
30%	13,405	13,295	12,041	6,761	3,653	2,352	2,421	5,447	7,018	9,460	10,150	12,370
40%	13,211	13,140	11,204	5,512	3,558	1,376	1,923	3,332	5,656	8,317	9,439	11,941
50%	12,772	12,978	9,171	4,234	1,214	895	1,022	2,755	5,585	8,259	8,609	11,515
60%	11,718	12,740	8,086	3,402	663	334	689	1,717	4,059	6,402	8,162	11,000
70%	11,075	9,371	7,246	1,282	225	218	515	871	2,861	5,146	7,928	10,893
80%	10,674	7,398	1,490	351	216	208	381	747	2,161	4,326	7,794	10,135
90%	3,879	2,830	199	216	213	205	211	300	1,098	3,818	7,508	6,703
Long Term												
Full Simulation Period[a]	11,009	10,456	8,018	4,607	3,002	1,735	1,967	3,394	5,366	7,407	8,862	10,603
Water Year Types[b]												
Wet (31%)	7,319	5,554	2,062	1,042	210	210	363	711	1,907	3,470	5,971	6,344
Above Normal (25%)	13,938	12,767	9,645	667	221	208	322	623	1,847	4,306	7,871	10,288
Below Normal (6%)	11,300	12,740	12,379	5,512	849	334	802	899	3,007	6,402	8,316	11,941
Dry (13%)	11,788	11,518	8,960	6,320	3,932	1,457	1,675	3,482	5,880	8,496	9,059	11,483
Critical (25%)	12,107	12,146	10,506	7,484	6,033	4,069	4,375	7,077	9,603	11,127	11,523	13,165

Alternative 1A,1B,1C (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	12,505	12,719	11,721	8,550	6,764	5,516	5,800	8,791	11,537	12,355	12,816	13,561
20%	12,318	12,415	11,250	7,655	5,726	4,723	5,328	7,495	8,755	11,464	11,874	13,187
30%	11,660	11,071	10,463	6,150	5,424	3,167	3,614	5,265	7,724	10,146	11,481	12,959
40%	10,977	10,407	9,896	5,526	3,931	2,507	3,193	5,195	6,541	9,842	10,972	12,691
50%	9,797	9,196	9,568	5,335	2,546	2,103	2,606	5,028	6,011	8,653	10,048	12,369
60%	9,562	8,469	8,339	4,590	1,166	521	1,895	4,589	5,874	6,529	9,576	12,272
70%	7,723	7,732	7,372	1,678	292	296	924	2,696	5,053	6,247	9,230	12,215
80%	6,160	6,790	4,865	536	268	220	687	2,552	4,595	5,831	8,730	11,389
90%	5,460	3,384	235	234	227	215	268	802	2,562	5,377	8,490	10,411
Long Term												
Full Simulation Period[a]	9,404	8,871	7,836	4,566	3,184	2,352	2,848	4,714	6,576	8,389	10,413	12,006
Water Year Types[b]												
Wet (31%)	7,958	4,871	1,962	1,499	249	241	741	2,183	3,273	4,786	8,821	10,822
Above Normal (25%)	9,682	10,619	9,118	588	259	238	599	1,884	4,186	6,135	9,230	12,481
Below Normal (6%)	5,998	7,278	10,572	5,354	1,166	521	2,206	4,589	4,595	8,097	11,243	13,836
Dry (13%)	11,620	11,389	9,301	6,163	4,599	2,617	2,801	4,488	6,427	8,886	10,008	11,969
Critical (25%)	9,359	9,678	10,305	7,177	5,973	5,039	5,600	8,078	10,691	11,835	12,316	12,426

Alternative 1A,1B,1C (LLT) minus Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-1,618	-1,351	-612	-1,353	-1,533	**1,457**	**1,201**	**1,629**	**1,358**	**752**	**1,189**	**371**
20%	-1,266	-1,258	-820	-401	-956	**1,502**	**1,553**	**1,159**	**458**	**1,173**	**726**	**240**
30%	-1,745	-2,225	-1,578	-611	**1,771**	**815**	**1,193**	-182	**707**	**686**	**1,330**	**589**
40%	-2,234	-2,733	-1,307	**14**	**373**	**1,131**	**1,270**	**1,864**	**884**	**1,524**	**1,533**	**750**
50%	-2,975	-3,782	**397**	**1,101**	**1,332**	**1,209**	**1,583**	**2,273**	**426**	**393**	**1,440**	**854**
60%	-2,156	-4,271	**253**	**1,188**	**503**	**187**	**1,205**	**2,872**	**1,815**	**126**	**1,414**	**1,272**
70%	-3,352	-1,639	**125**	**396**	**67**	**78**	**409**	**1,825**	**2,192**	**1,101**	**1,302**	**1,321**
80%	-4,513	-608	**3,375**	**185**	**52**	**12**	**305**	**1,805**	**2,434**	**1,505**	**936**	**1,254**
90%	**1,580**	**555**	**35**	**17**	**14**	**10**	**57**	**502**	**1,464**	**1,559**	**982**	**3,708**
Long Term												
Full Simulation Period[a]	-1,605	-1,584	-181	-40	**182**	**616**	**881**	**1,321**	**1,210**	**982**	**1,551**	**1,403**
Water Year Types[b]												
Wet (31%)	**638**	-683	-100	**457**	**39**	**31**	**378**	**1,471**	**1,367**	**1,316**	**2,851**	**4,477**
Above Normal (25%)	-4,256	-2,148	-527	-80	**38**	**30**	**278**	**1,261**	**2,339**	**1,829**	**1,359**	**2,194**
Below Normal (6%)	-5,302	-5,462	-1,807	-158	**317**	**187**	**1,404**	**3,690**	**1,589**	**1,694**	**2,927**	**1,896**
Dry (13%)	-168	-130	**340**	-157	**666**	**1,160**	**1,125**	**1,006**	**547**	**389**	**949**	**486**
Critical (25%)	-2,749	-2,468	-201	-307	-60	**970**	**1,225**	**1,001**	**1,088**	**708**	**794**	-739

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-38-3. Sacramento River at Mallard Slough, Monthly EC

Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	14,122	14,069	12,333	9,904	8,297	4,059	4,600	7,163	10,179	11,603	11,627	13,190
20%	13,584	13,673	12,070	8,056	6,682	3,221	3,775	6,336	8,297	10,291	11,148	12,948
30%	13,405	13,295	12,041	6,761	3,653	2,352	2,421	5,447	7,018	9,460	10,150	12,370
40%	13,211	13,140	11,204	5,512	3,558	1,376	1,923	3,332	5,656	8,317	9,439	11,941
50%	12,772	12,978	9,171	4,234	1,214	895	1,022	2,755	5,585	8,259	8,609	11,515
60%	11,718	12,740	8,086	3,402	663	334	689	1,717	4,059	6,402	8,162	11,000
70%	11,075	9,371	7,246	1,282	225	218	515	871	2,861	5,146	7,928	10,893
80%	10,674	7,398	1,490	351	216	208	381	747	2,161	4,326	7,794	10,135
90%	3,879	2,830	199	216	213	205	211	300	1,098	3,818	7,508	6,703
Long Term												
Full Simulation Period[a]	11,009	10,456	8,018	4,607	3,002	1,735	1,967	3,394	5,366	7,407	8,862	10,603
Water Year Types[b]												
Wet (31%)	7,319	5,554	2,062	1,042	210	210	363	711	1,907	3,470	5,971	6,344
Above Normal (25%)	13,938	12,767	9,645	667	221	208	322	623	1,847	4,306	7,871	10,288
Below Normal (6%)	11,300	12,740	12,379	5,512	849	334	802	899	3,007	6,402	8,316	11,941
Dry (13%)	11,788	11,518	8,960	6,320	3,932	1,457	1,675	3,482	5,880	8,496	9,059	11,483
Critical (25%)	12,107	12,146	10,506	7,484	6,033	4,069	4,375	7,077	9,603	11,127	11,523	13,165

Alternative 2A,2B,2C (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	11,885	13,080	11,113	6,720	6,854	5,172	5,766	8,768	11,566	12,390	12,708	13,480
20%	9,469	10,748	8,811	5,757	5,076	4,596	5,239	7,307	8,910	11,583	12,128	13,235
30%	9,251	9,626	8,544	5,188	3,611	3,134	3,751	4,977	7,562	9,833	11,407	12,727
40%	8,855	8,880	8,098	4,992	3,208	2,346	3,176	4,834	6,513	9,708	10,442	12,089
50%	7,942	7,067	7,300	4,256	2,402	2,015	2,039	4,229	5,980	8,639	10,060	11,805
60%	5,609	5,713	6,789	3,284	1,463	849	1,415	2,560	5,788	6,605	9,659	10,311
70%	4,002	4,710	6,094	1,490	295	298	878	2,457	4,271	5,993	8,981	6,110
80%	2,959	3,679	2,632	399	252	221	624	1,657	3,680	5,895	8,770	4,247
90%	2,896	2,080	227	232	227	215	269	589	2,440	5,386	8,739	3,684
Long Term												
Full Simulation Period[a]	7,163	7,344	6,642	3,691	2,809	2,307	2,742	4,301	6,387	8,331	10,403	9,543
Water Year Types[b]												
Wet (31%)	5,745	4,993	1,955	1,156	245	242	606	1,731	3,208	4,847	8,904	3,776
Above Normal (25%)	9,789	10,810	8,454	557	262	239	578	1,205	3,325	5,823	8,981	6,110
Below Normal (6%)	5,609	5,713	8,297	4,565	1,463	849	1,512	2,560	3,680	7,801	11,115	13,707
Dry (13%)	5,535	6,657	6,286	5,256	4,049	2,547	2,754	4,199	6,374	8,937	10,198	12,253
Critical (25%)	8,859	8,714	9,619	5,547	5,158	4,887	5,553	8,024	10,708	11,743	12,193	12,529

Alternative 2A,2B,2C (LLT) minus Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-2,238	-989	-1,220	-3,184	-1,443	**1,113**	**1,166**	**1,606**	**1,387**	**786**	**1,081**	**290**
20%	-4,115	-2,926	-3,259	-2,299	-1,606	**1,375**	**1,465**	**971**	**612**	**1,292**	**980**	**287**
30%	-4,154	-3,669	-3,497	-1,573	-42	**782**	**1,330**	-470	**544**	**373**	**1,257**	**356**
40%	-4,356	-4,261	-3,105	-520	-351	**970**	**1,253**	**1,503**	**857**	**1,391**	**1,003**	**149**
50%	-4,830	-5,911	-1,871	**22**	**1,188**	**1,121**	**1,017**	**1,474**	**396**	**380**	**1,451**	**290**
60%	-6,109	-7,027	-1,297	-118	**800**	**515**	**726**	**843**	**1,728**	**203**	**1,497**	-689
70%	-7,073	-4,661	-1,152	**208**	**70**	**79**	**363**	**1,586**	**1,411**	**847**	**1,053**	-4,783
80%	-7,715	-3,719	**1,141**	**48**	**36**	**13**	**242**	**910**	**1,519**	**1,569**	**976**	-5,887
90%	-983	-750	**28**	**16**	**15**	**10**	**58**	**289**	**1,341**	**1,567**	**1,231**	-3,019
Long Term												
Full Simulation Period[a]	-3,846	-3,111	-1,376	-916	-192	**572**	**775**	**907**	**1,021**	**924**	**1,541**	-1,060
Water Year Types[b]												
Wet (31%)	-1,574	-560	-106	**115**	**35**	**32**	**243**	**1,019**	**1,301**	**1,378**	**2,933**	-2,568
Above Normal (25%)	-4,149	-1,957	-1,190	-111	**41**	**31**	**256**	**582**	**1,478**	**1,517**	**1,110**	-4,178
Below Normal (6%)	-5,691	-7,027	-4,082	-948	**614**	**515**	**710**	**1,661**	**673**	**1,399**	**2,799**	**1,766**
Dry (13%)	-6,253	-4,861	-2,674	-1,063	**116**	**1,090**	**1,079**	**718**	**494**	**441**	**1,139**	**770**
Critical (25%)	-3,248	-3,431	-887	-1,937	-875	**818**	**1,178**	**947**	**1,105**	**616**	**671**	-636

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-38-4. Sacramento River at Mallard Slough, Monthly EC

Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	14,122	14,069	12,333	9,904	8,297	4,059	4,600	7,163	10,179	11,603	11,627	13,190
20%	13,584	13,673	12,070	8,056	6,682	3,221	3,775	6,336	8,297	10,291	11,148	12,948
30%	13,405	13,295	12,041	6,761	3,653	2,352	2,421	5,447	7,018	9,460	10,150	12,370
40%	13,211	13,140	11,204	5,512	3,558	1,376	1,923	3,332	5,656	8,317	9,439	11,941
50%	12,772	12,978	9,171	4,234	1,214	895	1,022	2,755	5,585	8,259	8,609	11,515
60%	11,718	12,740	8,086	3,402	663	334	689	1,717	4,059	6,402	8,162	11,000
70%	11,075	9,371	7,246	1,282	225	218	515	871	2,861	5,146	7,928	10,893
80%	10,674	7,398	1,490	351	216	208	381	747	2,161	4,326	7,794	10,135
90%	3,879	2,830	199	216	213	205	211	300	1,098	3,818	7,508	6,703
Long Term												
Full Simulation Period[a]	11,009	10,456	8,018	4,607	3,002	1,735	1,967	3,394	5,366	7,407	8,862	10,603
Water Year Types[b]												
Wet (31%)	7,319	5,554	2,062	1,042	210	210	363	711	1,907	3,470	5,971	6,344
Above Normal (25%)	13,938	12,767	9,645	667	221	208	322	623	1,847	4,306	7,871	10,288
Below Normal (6%)	11,300	12,740	12,379	5,512	849	334	802	899	3,007	6,402	8,316	11,941
Dry (13%)	11,788	11,518	8,960	6,320	3,932	1,457	1,675	3,482	5,880	8,496	9,059	11,483
Critical (25%)	12,107	12,146	10,506	7,484	6,033	4,069	4,375	7,077	9,603	11,127	11,523	13,165

Alternative 3 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	12,655	12,431	11,907	7,658	6,673	5,466	5,847	8,940	11,458	12,290	12,813	13,417
20%	12,408	11,960	11,478	7,416	6,012	4,704	5,309	7,480	8,671	11,410	11,749	13,254
30%	11,684	11,472	10,767	6,719	5,233	2,907	3,573	5,289	7,677	9,973	11,309	13,031
40%	10,870	10,472	9,891	5,689	4,003	2,172	3,210	5,172	6,508	9,722	10,658	12,745
50%	9,264	9,201	9,017	5,035	2,426	1,907	2,572	5,054	6,280	8,706	10,080	12,474
60%	8,860	8,185	8,737	4,454	1,297	528	1,909	4,585	5,854	6,570	9,321	12,258
70%	7,196	7,504	7,309	1,549	271	279	931	2,738	5,138	6,330	9,133	11,801
80%	5,865	6,129	4,827	472	237	214	770	2,568	4,588	5,869	8,745	11,377
90%	5,213	3,351	223	221	215	212	253	850	2,565	5,325	8,723	10,778
Long Term												
Full Simulation Period[a]	9,220	8,718	7,901	4,365	3,022	2,284	2,856	4,752	6,597	8,390	10,383	12,009
Water Year Types[b]												
Wet (31%)	7,733	5,415	2,144	1,275	233	239	766	2,206	3,333	4,819	8,802	10,685
Above Normal (25%)	9,353	9,863	8,852	601	239	218	577	1,932	4,215	6,139	9,155	12,377
Below Normal (6%)	7,270	8,084	10,952	5,436	1,297	528	2,204	4,585	4,588	8,134	11,205	13,929
Dry (13%)	11,687	11,180	9,195	6,474	4,525	2,379	2,760	4,503	6,518	8,873	10,073	12,186
Critical (25%)	8,774	9,058	10,481	6,441	5,510	5,021	5,645	8,148	10,626	11,811	12,222	12,396

Alternative 3 (LLT) minus Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-1,467	-1,638	-426	-2,245	-1,623	**1,407**	**1,248**	**1,777**	**1,279**	**687**	**1,186**	**227**
20%	-1,176	-1,714	-592	-640	-670	**1,483**	**1,535**	**1,145**	**374**	**1,119**	**601**	**307**
30%	-1,721	-1,823	-1,274	-42	**1,581**	**555**	**1,152**	-158	**659**	**513**	**1,159**	**661**
40%	-2,341	-2,669	-1,312	**177**	**445**	**796**	**1,288**	**1,841**	**852**	**1,405**	**1,220**	**804**
50%	-3,508	-3,777	-153	**801**	**1,212**	**1,012**	**1,550**	**2,299**	**695**	**447**	**1,471**	**959**
60%	-2,858	-4,555	**651**	**1,051**	**635**	**194**	**1,220**	**2,867**	**1,794**	**168**	**1,159**	**1,259**
70%	-3,878	-1,867	**63**	**266**	**46**	**60**	**416**	**1,867**	**2,277**	**1,185**	**1,205**	**908**
80%	-4,809	-1,268	**3,337**	**121**	**21**	**7**	**389**	**1,822**	**2,427**	**1,543**	**951**	**1,243**
90%	**1,333**	**521**	**24**	**5**	**2**	**7**	**42**	**550**	**1,467**	**1,507**	**1,215**	**4,075**
Long Term												
Full Simulation Period[a]	-1,789	-1,738	-117	-242	**20**	**549**	**889**	**1,358**	**1,231**	**983**	**1,521**	**1,406**
Water Year Types[b]												
Wet (31%)	**414**	-138	**82**	**233**	**23**	**30**	**403**	**1,495**	**1,426**	**1,349**	**2,832**	**4,341**
Above Normal (25%)	-4,585	-2,904	-793	-66	**18**	**10**	**255**	**1,309**	**2,368**	**1,834**	**1,284**	**2,089**
Below Normal (6%)	-4,030	-4,656	-1,428	-76	**448**	**194**	**1,402**	**3,685**	**1,582**	**1,732**	**2,889**	**1,989**
Dry (13%)	-102	-338	**235**	**154**	**592**	**922**	**1,085**	**1,022**	**638**	**377**	**1,015**	**703**
Critical (25%)	-3,334	-3,088	-24	-1,042	-523	**952**	**1,271**	**1,071**	**1,023**	**684**	**699**	-769

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-38-5. Sacramento River at Mallard Slough, Monthly EC

Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	14,122	14,069	12,333	9,904	8,297	4,059	4,600	7,163	10,179	11,603	11,627	13,190
20%	13,584	13,673	12,070	8,056	6,682	3,221	3,775	6,336	8,297	10,291	11,148	12,948
30%	13,405	13,295	12,041	6,761	3,653	2,352	2,421	5,447	7,018	9,460	10,150	12,370
40%	13,211	13,140	11,204	5,512	3,558	1,376	1,923	3,332	5,656	8,317	9,439	11,941
50%	12,772	12,978	9,171	4,234	1,214	895	1,022	2,755	5,585	8,259	8,609	11,515
60%	11,718	12,740	8,086	3,402	663	334	689	1,717	4,059	6,402	8,162	11,000
70%	11,075	9,371	7,246	1,282	225	218	515	871	2,861	5,146	7,928	10,893
80%	10,674	7,398	1,490	351	216	208	381	747	2,161	4,326	7,794	10,135
90%	3,879	2,830	199	216	213	205	211	300	1,098	3,818	7,508	6,703
Long Term												
Full Simulation Period[a]	11,009	10,456	8,018	4,607	3,002	1,735	1,967	3,394	5,366	7,407	8,862	10,603
Water Year Types[b]												
Wet (31%)	7,319	5,554	2,062	1,042	210	210	363	711	1,907	3,470	5,971	6,344
Above Normal (25%)	13,938	12,767	9,645	667	221	208	322	623	1,847	4,306	7,871	10,288
Below Normal (6%)	11,300	12,740	12,379	5,512	849	334	802	899	3,007	6,402	8,316	11,941
Dry (13%)	11,788	11,518	8,960	6,320	3,932	1,457	1,675	3,482	5,880	8,496	9,059	11,483
Critical (25%)	12,107	12,146	10,506	7,484	6,033	4,069	4,375	7,077	9,603	11,127	11,523	13,165

Alternative 4 H1 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	11,858	13,388	11,877	6,345	6,403	5,010	5,796	8,668	11,547	12,419	12,743	13,300
20%	11,177	11,181	11,068	5,457	4,617	4,771	5,300	7,328	8,648	11,395	12,153	13,171
30%	10,360	10,416	10,109	5,253	3,788	3,103	3,707	5,059	7,620	9,997	11,258	12,902
40%	9,740	9,728	9,280	4,405	3,243	2,202	3,023	4,891	7,008	9,717	10,644	12,565
50%	9,423	9,540	8,936	3,914	2,247	1,877	1,962	4,345	6,075	8,378	10,116	12,486
60%	9,318	9,299	8,280	3,032	1,312	655	1,416	2,565	5,792	6,591	9,088	12,003
70%	8,858	8,078	6,811	1,487	283	293	910	2,444	4,271	6,177	9,014	11,839
80%	7,902	6,621	2,331	385	237	219	620	1,701	3,414	5,896	8,801	11,681
90%	7,219	3,922	210	224	214	213	267	570	2,438	5,148	8,583	10,079
Long Term												
Full Simulation Period[a]	9,439	8,950	7,464	3,699	2,803	2,260	2,729	4,319	6,403	8,337	10,358	11,870
Water Year Types[b]												
Wet (31%)	7,557	4,989	1,917	1,089	236	242	605	1,714	3,191	4,833	8,811	10,773
Above Normal (25%)	10,099	11,061	8,585	535	247	229	582	1,228	3,358	5,802	8,920	12,237
Below Normal (6%)	7,813	8,421	11,068	5,137	1,312	655	1,426	2,565	3,414	7,575	11,055	13,702
Dry (13%)	10,633	10,338	8,285	5,273	3,956	2,431	2,728	4,304	6,575	8,844	10,018	11,533
Critical (25%)	10,052	10,270	10,075	5,506	5,254	4,869	5,550	8,001	10,651	11,902	12,305	12,505

Alternative 4 H1 (LLT) minus Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-2,264	-682	-457	-3,558	-1,893	**952**	**1,196**	**1,506**	**1,368**	**816**	**1,116**	**110**
20%	-2,407	-2,492	-1,002	-2,599	-2,065	**1,550**	**1,525**	**992**	**350**	**1,104**	**1,005**	**223**
30%	-3,045	-2,879	-1,932	-1,508	**135**	**751**	**1,286**	-388	**602**	**537**	**1,108**	**532**
40%	-3,470	-3,412	-1,923	-1,107	-315	**825**	**1,101**	**1,560**	**1,351**	**1,400**	**1,205**	**624**
50%	-3,349	-3,438	-234	-320	**1,033**	**983**	**940**	**1,590**	**491**	**119**	**1,507**	**971**
60%	-2,401	-3,441	**194**	-371	**650**	**321**	**727**	**847**	**1,733**	**188**	**927**	**1,003**
70%	-2,216	-1,293	-436	**205**	**58**	**74**	**395**	**1,573**	**1,410**	**1,031**	**1,086**	**946**
80%	-2,772	-777	**841**	**34**	**21**	**11**	**239**	**955**	**1,253**	**1,570**	**1,007**	**1,547**
90%	**3,340**	**1,092**	**11**	**8**	**2**	**8**	**56**	**270**	**1,339**	**1,330**	**1,075**	**3,376**
Long Term												
Full Simulation Period[a]	-1,570	-1,506	-554	-908	-199	**524**	**762**	**925**	**1,037**	**930**	**1,496**	**1,267**
Water Year Types[b]												
Wet (31%)	**238**	-565	-145	**48**	**26**	**32**	**242**	**1,003**	**1,285**	**1,364**	**2,840**	**4,429**
Above Normal (25%)	-3,839	-1,706	-1,060	-133	**26**	**21**	**260**	**605**	**1,511**	**1,497**	**1,049**	**1,949**
Below Normal (6%)	-3,487	-4,319	-1,311	-375	**463**	**321**	**624**	**1,665**	**407**	**1,173**	**2,739**	**1,762**
Dry (13%)	-1,155	-1,181	-676	-1,047	**23**	**973**	**1,052**	**822**	**695**	**347**	**959**	**50**
Critical (25%)	-2,056	-1,876	-430	-1,977	-779	**800**	**1,175**	**924**	**1,049**	**775**	**782**	-660

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-38-6. Sacramento River at Mallard Slough, Monthly EC

Existing Condition

Statistic	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	14,122	14,069	12,333	9,904	8,297	4,059	4,600	7,163	10,179	11,603	11,627	13,190
20%	13,584	13,673	12,070	8,056	6,682	3,221	3,775	6,336	8,297	10,291	11,148	12,948
30%	13,405	13,295	12,041	6,761	3,653	2,352	2,421	5,447	7,018	9,460	10,150	12,370
40%	13,211	13,140	11,204	5,512	3,558	1,376	1,923	3,332	5,656	8,317	9,439	11,941
50%	12,772	12,978	9,171	4,234	1,214	895	1,022	2,755	5,585	8,259	8,609	11,515
60%	11,718	12,740	8,086	3,402	663	334	689	1,717	4,059	6,402	8,162	11,000
70%	11,075	9,371	7,246	1,282	225	218	515	871	2,861	5,146	7,928	10,893
80%	10,674	7,398	1,490	351	216	208	381	747	2,161	4,326	7,794	10,135
90%	3,879	2,830	199	216	213	205	211	300	1,098	3,818	7,508	6,703
Long Term												
Full Simulation Period[a]	11,009	10,456	8,018	4,607	3,002	1,735	1,967	3,394	5,366	7,407	8,862	10,603
Water Year Types[b]												
Wet (31%)	7,319	5,554	2,062	1,042	210	210	363	711	1,907	3,470	5,971	6,344
Above Normal (25%)	13,938	12,767	9,645	667	221	208	322	623	1,847	4,306	7,871	10,288
Below Normal (6%)	11,300	12,740	12,379	5,512	849	334	802	899	3,007	6,402	8,316	11,941
Dry (13%)	11,788	11,518	8,960	6,320	3,932	1,457	1,675	3,482	5,880	8,496	9,059	11,483
Critical (25%)	12,107	12,146	10,506	7,484	6,033	4,069	4,375	7,077	9,603	11,127	11,523	13,165

Alternative 4 H2 (LLT)

Statistic	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	11,866	13,246	11,904	7,562	6,519	4,904	5,470	8,587	11,434	12,162	12,629	13,482
20%	11,478	12,045	11,213	6,826	4,751	4,272	5,180	7,026	8,804	11,563	12,511	13,300
30%	10,263	10,964	10,936	5,796	4,050	2,989	3,531	5,029	7,585	9,943	11,183	12,633
40%	10,128	9,984	10,544	4,968	3,344	2,197	3,098	4,938	7,012	9,797	10,778	12,368
50%	9,962	9,306	9,009	4,260	2,396	1,845	1,933	3,711	6,342	8,715	10,015	12,303
60%	8,870	8,568	8,002	2,712	1,175	628	990	2,258	4,431	7,220	9,597	11,901
70%	8,479	7,756	6,706	1,421	281	295	465	1,811	3,794	6,124	9,322	11,833
80%	7,737	6,260	2,098	363	240	218	336	757	3,160	6,047	9,011	11,576
90%	6,583	3,414	206	224	216	213	223	473	2,459	5,454	8,810	11,114
Long Term												
Full Simulation Period[a]	9,355	8,885	7,640	3,872	2,816	2,184	2,553	4,038	6,270	8,464	10,445	11,947
Water Year Types[b]												
Wet (31%)	7,704	4,861	1,944	1,146	238	242	328	1,050	2,710	4,823	8,877	10,360
Above Normal (25%)	9,923	10,851	8,238	489	246	232	295	659	3,013	6,088	9,322	12,175
Below Normal (6%)	11,759	12,045	10,998	4,593	1,175	628	1,374	2,258	3,502	7,788	11,130	13,715
Dry (13%)	10,155	10,070	8,623	5,879	4,182	2,356	2,636	4,337	6,699	9,187	10,156	12,493
Critical (25%)	9,329	9,737	10,501	5,658	5,142	4,690	5,404	7,896	10,630	11,885	12,242	12,335

Alternative 4 H2 (LLT) minus Existing Condition

Statistic	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-2,257	-824	-429	-2,342	-1,777	**845**	**871**	**1,425**	**1,255**	**559**	**1,002**	**292**
20%	-2,106	-1,628	-857	-1,231	-1,931	**1,051**	**1,405**	**691**	**507**	**1,272**	**1,363**	**352**
30%	-3,141	-2,331	-1,105	-964	**397**	**637**	**1,110**	-418	**567**	**483**	**1,033**	**263**
40%	-3,082	-3,156	-660	-545	-214	**821**	**1,176**	**1,606**	**1,356**	**1,480**	**1,340**	**428**
50%	-2,809	-3,672	-162	**26**	**1,182**	**950**	**911**	**957**	**758**	**456**	**1,407**	**788**
60%	-2,848	-4,173	-84	-691	**512**	**294**	**301**	**540**	**371**	**817**	**1,435**	**901**
70%	-2,596	-1,615	-541	**139**	**56**	**77**	-50	**940**	**933**	**978**	**1,394**	**939**
80%	-2,936	-1,137	**608**	**12**	**24**	**10**	-45	**10**	**999**	**1,721**	**1,217**	**1,442**
90%	**2,704**	**584**	**7**	**8**	**3**	**9**	**12**	**173**	**1,361**	**1,636**	**1,303**	**4,411**
Long Term												
Full Simulation Period[a]	-1,654	-1,571	-377	-734	-186	**448**	**586**	**644**	**904**	**1,057**	**1,583**	**1,344**
Water Year Types[b]												
Wet (31%)	**384**	-693	-118	**104**	**27**	**32**	-35	**339**	**804**	**1,353**	**2,907**	**4,016**
Above Normal (25%)	-4,015	-1,916	-1,407	-178	**25**	**24**	-27	**36**	**1,166**	**1,782**	**1,451**	**1,887**
Below Normal (6%)	**459**	-695	-1,381	-920	**326**	**294**	**572**	**1,358**	**496**	**1,386**	**2,814**	**1,775**
Dry (13%)	-1,634	-1,448	-337	-441	**250**	**899**	**961**	**855**	**820**	**691**	**1,097**	**1,010**
Critical (25%)	-2,778	-2,409	-5	-1,826	-891	**621**	**1,029**	**819**	**1,027**	**758**	**720**	-830

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-38-7. Sacramento River at Mallard Slough, Monthly EC

Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	14,122	14,069	12,333	9,904	8,297	4,059	4,600	7,163	10,179	11,603	11,627	13,190
20%	13,584	13,673	12,070	8,056	6,682	3,221	3,775	6,336	8,297	10,291	11,148	12,948
30%	13,405	13,295	12,041	6,761	3,653	2,352	2,421	5,447	7,018	9,460	10,150	12,370
40%	13,211	13,140	11,204	5,512	3,558	1,376	1,923	3,332	5,656	8,317	9,439	11,941
50%	12,772	12,978	9,171	4,234	1,214	895	1,022	2,755	5,585	8,259	8,609	11,515
60%	11,718	12,740	8,086	3,402	663	334	689	1,717	4,059	6,402	8,162	11,000
70%	11,075	9,371	7,246	1,282	225	218	515	871	2,861	5,146	7,928	10,893
80%	10,674	7,398	1,490	351	216	208	381	747	2,161	4,326	7,794	10,135
90%	3,879	2,830	199	216	213	205	211	300	1,098	3,818	7,508	6,703
Long Term												
Full Simulation Period[a]	11,009	10,456	8,018	4,607	3,002	1,735	1,967	3,394	5,366	7,407	8,862	10,603
Water Year Types[b]												
Wet (31%)	7,319	5,554	2,062	1,042	210	210	363	711	1,907	3,470	5,971	6,344
Above Normal (25%)	13,938	12,767	9,645	667	221	208	322	623	1,847	4,306	7,871	10,288
Below Normal (6%)	11,300	12,740	12,379	5,512	849	334	802	899	3,007	6,402	8,316	11,941
Dry (13%)	11,788	11,518	8,960	6,320	3,932	1,457	1,675	3,482	5,880	8,496	9,059	11,483
Critical (25%)	12,107	12,146	10,506	7,484	6,033	4,069	4,375	7,077	9,603	11,127	11,523	13,165

Alternative 4 H3 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	12,046	13,112	10,554	6,697	7,141	5,149	5,765	8,751	11,570	12,462	12,698	13,323
20%	11,515	11,781	8,740	5,761	4,898	4,765	5,263	7,310	8,910	11,582	12,304	12,987
30%	10,205	10,259	8,343	5,147	3,957	3,129	3,737	4,992	7,571	10,218	11,439	12,625
40%	9,219	9,692	7,884	4,607	3,193	2,230	3,171	4,838	6,659	9,640	11,004	12,239
50%	7,757	6,632	7,289	3,782	2,340	1,859	2,021	4,263	6,088	8,543	10,080	11,619
60%	5,652	5,720	6,642	3,183	1,215	730	1,417	2,569	5,788	6,615	9,135	10,195
70%	3,971	4,698	6,081	1,418	282	293	905	2,462	4,283	6,032	8,964	6,050
80%	2,955	3,683	2,562	384	239	219	621	1,660	3,698	5,916	8,794	4,224
90%	2,885	2,063	211	224	214	214	267	570	2,428	5,138	8,735	3,630
Long Term												
Full Simulation Period[a]	7,370	7,499	6,509	3,610	2,854	2,304	2,748	4,306	6,414	8,373	10,427	9,462
Water Year Types[b]												
Wet (31%)	6,295	4,946	1,930	1,099	236	243	605	1,718	3,210	4,757	8,781	3,750
Above Normal (25%)	9,538	10,586	8,124	502	247	229	577	1,208	3,321	5,812	8,964	6,050
Below Normal (6%)	5,652	5,720	8,320	4,607	1,215	730	1,472	2,569	3,698	7,834	11,152	13,731
Dry (13%)	5,565	6,663	6,261	5,182	3,991	2,427	2,761	4,228	6,467	8,863	10,161	11,934
Critical (25%)	9,151	9,331	9,362	5,405	5,410	5,000	5,575	8,027	10,715	12,005	12,396	12,564

Alternative 4 H3 (LLT) minus Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	-2,077	-958	-1,779	-3,207	-1,156	**1,090**	**1,165**	**1,589**	**1,391**	**859**	**1,071**	**133**
20%	-2,068	-1,892	-3,330	-2,296	-1,784	**1,544**	**1,488**	**974**	**613**	**1,291**	**1,156**	**40**
30%	-3,200	-3,036	-3,698	-1,614	**304**	**778**	**1,316**	-455	**553**	**758**	**1,288**	**255**
40%	-3,992	-3,449	-3,320	-905	-365	**853**	**1,249**	**1,506**	**1,003**	**1,323**	**1,566**	**298**
50%	-5,015	-6,345	-1,882	-452	**1,126**	**964**	**998**	**1,508**	**503**	**284**	**1,471**	**104**
60%	-6,066	-7,020	-1,444	-220	**553**	**396**	**728**	**851**	**1,729**	**213**	**973**	-805
70%	-7,103	-4,674	-1,165	**136**	**57**	**75**	**390**	**1,591**	**1,422**	**887**	**1,036**	-4,843
80%	-7,719	-3,715	**1,071**	**33**	**23**	**11**	**240**	**913**	**1,536**	**1,590**	**1,000**	-5,911
90%	-995	-767	**12**	**8**	**2**	**9**	**56**	**270**	**1,329**	**1,320**	**1,228**	-3,073
Long Term												
Full Simulation Period[a]	-3,639	-2,956	-1,509	-997	-148	**569**	**781**	**913**	**1,048**	**966**	**1,565**	-1,141
Water Year Types[b]												
Wet (31%)	-1,025	-607	-132	**57**	**26**	**33**	**243**	**1,007**	**1,303**	**1,287**	**2,810**	-2,594
Above Normal (25%)	-4,400	-2,181	-1,520	-165	**26**	**21**	**255**	**585**	**1,474**	**1,506**	**1,093**	-4,237
Below Normal (6%)	-5,648	-7,020	-4,059	-905	**366**	**396**	**669**	**1,669**	**691**	**1,431**	**2,837**	**1,790**
Dry (13%)	-6,224	-4,856	-2,699	-1,138	**58**	**970**	**1,086**	**746**	**587**	**367**	**1,102**	**451**
Critical (25%)	-2,956	-2,814	-1,144	-2,079	-623	**931**	**1,201**	**950**	**1,112**	**879**	**873**	-601

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-38-8. Sacramento River at Mallard Slough, Monthly EC

Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	14,122	14,069	12,333	9,904	8,297	4,059	4,600	7,163	10,179	11,603	11,627	13,190
20%	13,584	13,673	12,070	8,056	6,682	3,221	3,775	6,336	8,297	10,291	11,148	12,948
30%	13,405	13,295	12,041	6,761	3,653	2,352	2,421	5,447	7,018	9,460	10,150	12,370
40%	13,211	13,140	11,204	5,512	3,558	1,376	1,923	3,332	5,656	8,317	9,439	11,941
50%	12,772	12,978	9,171	4,234	1,214	895	1,022	2,755	5,585	8,259	8,609	11,515
60%	11,718	12,740	8,086	3,402	663	334	689	1,717	4,059	6,402	8,162	11,000
70%	11,075	9,371	7,246	1,282	225	218	515	871	2,861	5,146	7,928	10,893
80%	10,674	7,398	1,490	351	216	208	381	747	2,161	4,326	7,794	10,135
90%	3,879	2,830	199	216	213	205	211	300	1,098	3,818	7,508	6,703
Long Term												
Full Simulation Period[a]	11,009	10,456	8,018	4,607	3,002	1,735	1,967	3,394	5,366	7,407	8,862	10,603
Water Year Types[b]												
Wet (31%)	7,319	5,554	2,062	1,042	210	210	363	711	1,907	3,470	5,971	6,344
Above Normal (25%)	13,938	12,767	9,645	667	221	208	322	623	1,847	4,306	7,871	10,288
Below Normal (6%)	11,300	12,740	12,379	5,512	849	334	802	899	3,007	6,402	8,316	11,941
Dry (13%)	11,788	11,518	8,960	6,320	3,932	1,457	1,675	3,482	5,880	8,496	9,059	11,483
Critical (25%)	12,107	12,146	10,506	7,484	6,033	4,069	4,375	7,077	9,603	11,127	11,523	13,165

Alternative 4 H4 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	12,078	12,595	11,844	8,336	7,570	5,124	5,615	8,538	11,417	12,123	12,520	13,307
20%	10,787	11,384	9,847	6,811	6,356	4,619	5,147	7,029	8,806	11,567	11,983	12,414
30%	9,418	10,056	8,463	6,151	4,104	3,081	3,498	5,035	7,592	10,055	11,260	12,203
40%	8,247	8,354	7,906	4,924	3,229	2,235	3,031	4,947	7,030	9,937	10,813	11,937
50%	7,363	6,236	7,239	4,224	2,335	1,808	1,994	3,713	6,409	8,660	10,177	11,778
60%	5,548	5,503	6,455	3,200	1,176	726	995	2,355	4,509	7,182	9,647	11,664
70%	3,960	4,486	6,058	1,458	280	293	462	1,815	3,633	6,085	9,352	6,122
80%	2,930	3,649	2,557	358	243	218	336	756	3,140	5,996	8,967	4,207
90%	2,863	2,103	208	224	219	213	222	479	2,451	5,446	8,800	3,641
Long Term												
Full Simulation Period[a]	7,144	7,216	6,700	4,192	3,079	2,266	2,579	4,043	6,263	8,441	10,433	9,473
Water Year Types[b]												
Wet (31%)	5,814	4,563	1,924	1,150	239	242	327	1,075	2,728	4,788	8,897	3,742
Above Normal (25%)	9,708	10,603	8,264	505	245	231	294	665	3,019	6,085	9,352	6,122
Below Normal (6%)	5,548	5,733	8,304	4,509	1,176	726	1,426	2,262	3,140	7,385	10,901	13,772
Dry (13%)	5,522	6,633	6,504	5,353	4,084	2,346	2,638	4,345	6,730	9,288	10,261	12,583
Critical (25%)	8,798	8,745	9,729	7,109	6,061	4,942	5,478	7,884	10,638	11,838	12,137	12,051

Alternative 4 H4 (LLT) minus Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-2,044	-1,474	-489	-1,568	-726	**1,066**	**1,016**	**1,376**	**1,238**	**520**	**893**	**117**
20%	-2,797	-2,290	-2,223	-1,245	-326	**1,398**	**1,372**	**694**	**509**	**1,276**	**835**	-533
30%	-3,987	-3,240	-3,578	-610	**451**	**729**	**1,077**	-413	**574**	**595**	**1,109**	-168
40%	-4,964	-4,786	-3,298	-588	-330	**859**	**1,108**	**1,615**	**1,373**	**1,619**	**1,375**	-4
50%	-5,409	-6,741	-1,932	-10	**1,121**	**914**	**971**	**958**	**825**	**401**	**1,568**	**263**
60%	-6,170	-7,238	-1,631	-202	**513**	**392**	**305**	**638**	**450**	**779**	**1,485**	**664**
70%	-7,115	-4,885	-1,188	**176**	**55**	**75**	-53	**944**	**773**	**939**	**1,424**	-4,772
80%	-7,743	-3,748	**1,066**	**7**	**27**	**10**	-45	**10**	**979**	**1,670**	**1,173**	-5,927
90%	-1,017	-726	**9**	**8**	**6**	**9**	**11**	**179**	**1,353**	**1,628**	**1,292**	-3,062
Long Term												
Full Simulation Period[a]	-3,865	-3,240	-1,318	-415	**77**	**530**	**612**	**649**	**896**	**1,034**	**1,571**	-1,130
Water Year Types[b]												
Wet (31%)	-1,505	-990	-137	**108**	**29**	**32**	-36	**364**	**822**	**1,319**	**2,927**	-2,602
Above Normal (25%)	-4,230	-2,165	-1,381	-163	**23**	**23**	-28	**41**	**1,172**	**1,779**	**1,481**	-4,166
Below Normal (6%)	-5,751	-7,007	-4,075	-1,003	**326**	**392**	**624**	**1,363**	**133**	**982**	**2,585**	**1,832**
Dry (13%)	-6,266	-4,885	-2,456	-966	**151**	**889**	**963**	**863**	**851**	**792**	**1,203**	**1,101**
Critical (25%)	-3,309	-3,400	-776	-375	**28**	**873**	**1,103**	**807**	**1,035**	**711**	**614**	-1,114

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-38-9. Sacramento River at Mallard Slough, Monthly EC

Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	14,122	14,069	12,333	9,904	8,297	4,059	4,600	7,163	10,179	11,603	11,627	13,190
20%	13,584	13,673	12,070	8,056	6,682	3,221	3,775	6,336	8,297	10,291	11,148	12,948
30%	13,405	13,295	12,041	6,761	3,653	2,352	2,421	5,447	7,018	9,460	10,150	12,370
40%	13,211	13,140	11,204	5,512	3,558	1,376	1,923	3,332	5,656	8,317	9,439	11,941
50%	12,772	12,978	9,171	4,234	1,214	895	1,022	2,755	5,585	8,259	8,609	11,515
60%	11,718	12,740	8,086	3,402	663	334	689	1,717	4,059	6,402	8,162	11,000
70%	11,075	9,371	7,246	1,282	225	218	515	871	2,861	5,146	7,928	10,893
80%	10,674	7,398	1,490	351	216	208	381	747	2,161	4,326	7,794	10,135
90%	3,879	2,830	199	216	213	205	211	300	1,098	3,818	7,508	6,703
Long Term												
Full Simulation Period[a]	11,009	10,456	8,018	4,607	3,002	1,735	1,967	3,394	5,366	7,407	8,862	10,603
Water Year Types[b]												
Wet (31%)	7,319	5,554	2,062	1,042	210	210	363	711	1,907	3,470	5,971	6,344
Above Normal (25%)	13,938	12,767	9,645	667	221	208	322	623	1,847	4,306	7,871	10,288
Below Normal (6%)	11,300	12,740	12,379	5,512	849	334	802	899	3,007	6,402	8,316	11,941
Dry (13%)	11,788	11,518	8,960	6,320	3,932	1,457	1,675	3,482	5,880	8,496	9,059	11,483
Critical (25%)	12,107	12,146	10,506	7,484	6,033	4,069	4,375	7,077	9,603	11,127	11,523	13,165

Alternative 5 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	12,834	12,515	11,910	8,379	7,342	5,701	5,487	8,403	11,325	12,091	12,709	13,284
20%	12,619	11,015	11,344	7,985	5,341	4,544	4,823	7,382	8,937	11,452	12,192	12,952
30%	11,426	10,364	8,602	6,291	4,836	3,431	3,746	5,097	7,816	9,896	11,262	12,692
40%	9,308	9,045	8,452	5,312	3,752	2,124	2,804	5,040	7,179	9,393	10,000	12,346
50%	8,860	8,698	7,712	5,164	2,448	1,807	1,997	4,478	6,367	8,404	9,596	11,866
60%	6,235	5,909	7,386	4,913	1,468	725	1,394	2,584	5,787	6,805	9,540	11,123
70%	4,422	4,833	6,458	1,395	264	271	901	2,514	4,715	6,461	9,149	6,028
80%	2,962	3,770	3,979	377	236	211	632	1,741	3,722	5,768	8,696	4,229
90%	2,894	2,124	219	217	211	210	236	591	2,573	5,324	8,512	3,523
Long Term												
Full Simulation Period[a]	7,995	7,627	7,124	4,418	3,116	2,359	2,652	4,334	6,557	8,318	10,268	9,531
Water Year Types[b]												
Wet (31%)	7,676	5,569	2,269	1,414	229	236	602	1,748	3,270	4,957	8,840	3,685
Above Normal (25%)	11,867	12,527	8,602	480	234	213	523	1,284	3,774	5,964	8,863	6,028
Below Normal (6%)	6,235	5,909	8,015	4,913	1,468	725	1,428	2,536	3,722	7,728	10,539	13,316
Dry (13%)	6,102	6,544	7,729	7,202	4,675	2,567	2,774	4,435	6,783	8,919	9,962	12,274
Critical (25%)	8,569	8,524	9,756	6,072	5,661	5,075	5,291	7,902	10,687	11,584	12,163	12,658

Alternative 5 (LLT) minus Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Probability of Exceedance												
10%	-1,288	-1,554	-423	-1,525	-954	**1,643**	**887**	**1,241**	**1,146**	**488**	**1,082**	**94**
20%	-965	-2,658	-726	-71	-1,341	**1,323**	**1,048**	**1,046**	**640**	**1,161**	**1,044**	**4**
30%	-1,979	-2,931	-3,439	-470	**1,183**	**1,079**	**1,325**	-351	**798**	**436**	**1,111**	**322**
40%	-3,903	-4,095	-2,752	-200	**193**	**748**	**882**	**1,708**	**1,523**	**1,076**	**562**	**405**
50%	-3,912	-4,279	-1,459	**930**	**1,234**	**913**	**974**	**1,723**	**783**	**145**	**987**	**351**
60%	-5,483	-6,831	-700	**1,510**	**805**	**391**	**705**	**867**	**1,728**	**402**	**1,378**	**123**
70%	-6,653	-4,538	-788	**113**	**39**	**52**	**386**	**1,643**	**1,854**	**1,315**	**1,221**	-4,866
80%	-7,711	-3,627	**2,488**	**26**	**20**	**3**	**250**	**994**	**1,561**	**1,442**	**901**	-5,905
90%	-985	-706	**20**	**1**	-1	**5**	**25**	**291**	**1,475**	**1,506**	**1,004**	-3,180
Long Term												
Full Simulation Period[a]	-3,014	-2,828	-893	-188	**114**	**623**	**685**	**940**	**1,191**	**911**	**1,406**	-1,072
Water Year Types[b]												
Wet (31%)	**357**	**15**	**207**	**372**	**18**	**26**	**239**	**1,037**	**1,364**	**1,487**	**2,870**	-2,659
Above Normal (25%)	-2,071	-240	-1,043	-187	**13**	**4**	**201**	**661**	**1,927**	**1,658**	**992**	-4,260
Below Normal (6%)	-5,065	-6,831	-4,364	-599	**619**	**391**	**626**	**1,637**	**716**	**1,326**	**2,223**	**1,375**
Dry (13%)	-5,687	-4,974	-1,231	**882**	**743**	**1,110**	**1,099**	**954**	**903**	**423**	**903**	**792**
Critical (25%)	-3,539	-3,621	-750	-1,412	-372	**1,006**	**916**	**825**	**1,084**	**457**	**640**	-507

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-38-10. Sacramento River at Mallard Slough, Monthly EC

Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	14,122	14,069	12,333	9,904	8,297	4,059	4,600	7,163	10,179	11,603	11,627	13,190
20%	13,584	13,673	12,070	8,056	6,682	3,221	3,775	6,336	8,297	10,291	11,148	12,948
30%	13,405	13,295	12,041	6,761	3,653	2,352	2,421	5,447	7,018	9,460	10,150	12,370
40%	13,211	13,140	11,204	5,512	3,558	1,376	1,923	3,332	5,656	8,317	9,439	11,941
50%	12,772	12,978	9,171	4,234	1,214	895	1,022	2,755	5,585	8,259	8,609	11,515
60%	11,718	12,740	8,086	3,402	663	334	689	1,717	4,059	6,402	8,162	11,000
70%	11,075	9,371	7,246	1,282	225	218	515	871	2,861	5,146	7,928	10,893
80%	10,674	7,398	1,490	351	216	208	381	747	2,161	4,326	7,794	10,135
90%	3,879	2,830	199	216	213	205	211	300	1,098	3,818	7,508	6,703
Long Term												
Full Simulation Period[a]	11,009	10,456	8,018	4,607	3,002	1,735	1,967	3,394	5,366	7,407	8,862	10,603
Water Year Types[b]												
Wet (31%)	7,319	5,554	2,062	1,042	210	210	363	711	1,907	3,470	5,971	6,344
Above Normal (25%)	13,938	12,767	9,645	667	221	208	322	623	1,847	4,306	7,871	10,288
Below Normal (6%)	11,300	12,740	12,379	5,512	849	334	802	899	3,007	6,402	8,316	11,941
Dry (13%)	11,788	11,518	8,960	6,320	3,932	1,457	1,675	3,482	5,880	8,496	9,059	11,483
Critical (25%)	12,107	12,146	10,506	7,484	6,033	4,069	4,375	7,077	9,603	11,127	11,523	13,165

Alternative 6A,6B,6C (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,949	9,577	6,953	5,030	5,365	3,890	5,055	7,556	10,120	12,573	12,030	10,884
20%	8,510	7,669	6,475	3,531	3,465	2,564	3,998	6,831	8,704	11,291	11,356	10,385
30%	7,496	6,773	5,394	3,373	2,217	2,056	2,773	4,930	7,501	10,691	10,741	9,472
40%	7,098	6,359	4,477	2,018	1,787	1,411	2,368	4,742	7,073	9,926	10,138	8,935
50%	6,773	5,717	3,597	1,917	1,047	1,148	1,645	4,021	6,339	9,394	9,403	8,516
60%	5,156	4,977	3,223	1,408	636	500	1,200	2,491	5,077	7,287	8,334	7,879
70%	3,989	3,360	2,854	817	293	294	819	2,000	3,925	5,974	7,042	5,872
80%	2,813	2,588	1,092	242	233	221	557	1,374	3,162	5,472	6,715	3,651
90%	2,739	1,644	204	235	228	216	268	550	2,310	4,979	6,475	3,162
Long Term												
Full Simulation Period[a]	6,161	5,472	4,001	2,488	2,046	1,679	2,327	3,964	6,068	8,465	9,005	7,637
Water Year Types[b]												
Wet (31%)	4,680	2,861	846	523	240	240	545	1,454	2,946	4,314	5,877	3,237
Above Normal (25%)	9,157	8,635	4,566	358	261	239	521	1,050	3,020	5,704	6,819	5,872
Below Normal (6%)	5,156	4,977	4,880	1,992	636	500	1,200	2,085	3,162	7,287	8,334	7,879
Dry (13%)	5,041	4,835	3,904	2,838	2,379	1,423	2,090	4,223	6,760	9,711	10,072	8,994
Critical (25%)	7,245	6,905	6,201	4,732	4,222	3,846	4,891	7,306	9,812	12,130	11,664	10,727

Alternative 6A,6B,6C (LLT) minus Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-4,173	-4,492	-5,380	-4,874	-2,931	-169	**455**	**393**	-58	**969**	**403**	-2,306
20%	-5,074	-6,005	-5,595	-4,525	-3,217	-657	**224**	**495**	**407**	**1,000**	**207**	-2,562
30%	-5,909	-6,522	-6,647	-3,388	-1,436	-296	**352**	-517	**483**	**1,231**	**590**	-2,898
40%	-6,113	-6,781	-6,727	-3,494	-1,771	**35**	**446**	**1,410**	**1,417**	**1,609**	**700**	-3,006
50%	-5,998	-7,260	-5,573	-2,317	-167	**253**	**623**	**1,266**	**755**	**1,135**	**795**	-2,999
60%	-6,562	-7,763	-4,863	-1,995	-26	**166**	**511**	**774**	**1,018**	**884**	**172**	-3,121
70%	-7,086	-6,012	-4,392	-465	**68**	**76**	**304**	**1,129**	**1,064**	**828**	-886	-5,022
80%	-7,861	-4,809	-398	-109	**17**	**13**	**175**	**627**	**1,001**	**1,146**	-1,079	-6,484
90%	-1,140	-1,186	**5**	**18**	**16**	**11**	**57**	**250**	**1,211**	**1,161**	-1,033	-3,541
Long Term												
Full Simulation Period[a]	-4,848	-4,983	-4,017	-2,119	-955	-57	**360**	**570**	**701**	**1,058**	**144**	-2,967
Water Year Types[b]												
Wet (31%)	-2,640	-2,692	-1,216	-519	**30**	**30**	**182**	**743**	**1,040**	**844**	-93	-3,107
Above Normal (25%)	-4,781	-4,132	-5,079	-310	**40**	**31**	**199**	**427**	**1,173**	**1,398**	-1,052	-4,416
Below Normal (6%)	-6,144	-7,763	-7,499	-3,520	-213	**166**	**398**	**1,186**	**156**	**884**	**18**	-4,062
Dry (13%)	-6,748	-6,683	-5,057	-3,482	-1,554	-35	**414**	**741**	**880**	**1,215**	**1,013**	-2,488
Critical (25%)	-4,863	-5,241	-4,305	-2,751	-1,811	-223	**516**	**229**	**209**	**1,003**	**141**	-2,438

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-38-11. Sacramento River at Mallard Slough, Monthly EC

Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	14,122	14,069	12,333	9,904	8,297	4,059	4,600	7,163	10,179	11,603	11,627	13,190
20%	13,584	13,673	12,070	8,056	6,682	3,221	3,775	6,336	8,297	10,291	11,148	12,948
30%	13,405	13,295	12,041	6,761	3,653	2,352	2,421	5,447	7,018	9,460	10,150	12,370
40%	13,211	13,140	11,204	5,512	3,558	1,376	1,923	3,332	5,656	8,317	9,439	11,941
50%	12,772	12,978	9,171	4,234	1,214	895	1,022	2,755	5,585	8,259	8,609	11,515
60%	11,718	12,740	8,086	3,402	663	334	689	1,717	4,059	6,402	8,162	11,000
70%	11,075	9,371	7,246	1,282	225	218	515	871	2,861	5,146	7,928	10,893
80%	10,674	7,398	1,490	351	216	208	381	747	2,161	4,326	7,794	10,135
90%	3,879	2,830	199	216	213	205	211	300	1,098	3,818	7,508	6,703
Long Term												
Full Simulation Period[a]	11,009	10,456	8,018	4,607	3,002	1,735	1,967	3,394	5,366	7,407	8,862	10,603
Water Year Types[b]												
Wet (31%)	7,319	5,554	2,062	1,042	210	210	363	711	1,907	3,470	5,971	6,344
Above Normal (25%)	13,938	12,767	9,645	667	221	208	322	623	1,847	4,306	7,871	10,288
Below Normal (6%)	11,300	12,740	12,379	5,512	849	334	802	899	3,007	6,402	8,316	11,941
Dry (13%)	11,788	11,518	8,960	6,320	3,932	1,457	1,675	3,482	5,880	8,496	9,059	11,483
Critical (25%)	12,107	12,146	10,506	7,484	6,033	4,069	4,375	7,077	9,603	11,127	11,523	13,165

Alternative 7 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	11,623	9,518	7,296	5,003	5,290	3,688	4,833	6,822	8,037	11,208	12,076	12,964
20%	10,603	7,742	6,553	3,461	3,401	2,487	3,907	6,582	7,419	10,425	11,654	12,738
30%	10,305	7,632	4,957	3,311	2,209	1,997	2,669	4,970	6,809	9,855	11,156	12,518
40%	10,104	7,069	4,304	2,102	1,708	1,382	2,350	4,729	6,671	9,712	10,036	12,450
50%	9,103	6,013	3,538	2,039	999	1,048	1,556	3,948	5,705	8,615	9,578	12,062
60%	5,248	5,046	3,357	1,555	759	520	1,122	2,445	4,670	7,276	9,249	11,924
70%	3,698	3,269	2,893	793	283	291	816	1,977	3,415	5,976	9,110	6,108
80%	2,816	2,646	1,153	236	223	217	549	1,383	2,786	5,628	9,038	4,290
90%	2,583	1,700	201	226	218	214	264	511	2,192	5,252	8,858	3,642
Long Term												
Full Simulation Period[a]	7,417	5,689	4,015	2,487	2,014	1,621	2,259	3,744	5,251	8,076	10,140	9,554
Water Year Types[b]												
Wet (31%)	5,903	2,975	880	555	234	242	545	1,452	2,645	4,862	9,034	3,774
Above Normal (25%)	11,476	8,506	4,179	345	249	230	521	1,026	2,569	5,516	9,059	6,108
Below Normal (6%)	5,248	5,264	4,913	2,102	759	520	1,122	2,006	3,224	7,749	10,036	12,048
Dry (13%)	5,164	4,930	3,894	2,855	2,331	1,350	2,012	4,182	6,361	9,049	9,722	12,672
Critical (25%)	9,243	7,426	6,374	4,673	4,140	3,718	4,752	6,663	7,926	10,957	11,811	12,563

Alternative 7 (LLT) minus Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-2,499	-4,551	-5,037	-4,901	-3,007	-371	**234**	-340	-2,142	-395	**449**	-226
20%	-2,981	-5,932	-5,517	-4,596	-3,281	-734	**132**	**246**	-878	**134**	**506**	-209
30%	-3,099	-5,663	-7,084	-3,450	-1,444	-355	**248**	-477	-209	**395**	**1,006**	**148**
40%	-3,107	-6,071	-6,899	-3,410	-1,850	**6**	**428**	**1,397**	**1,015**	**1,395**	**598**	**510**
50%	-3,668	-6,965	-5,632	-2,195	-215	**153**	**534**	**1,193**	**120**	**356**	**969**	**547**
60%	-6,470	-7,694	-4,729	-1,847	**96**	**186**	**433**	**728**	**611**	**874**	**1,088**	**924**
70%	-7,377	-6,103	-4,353	-489	**58**	**73**	**301**	**1,106**	**555**	**831**	**1,182**	-4,785
80%	-7,858	-4,752	-337	-115	**7**	**10**	**168**	**636**	**625**	**1,302**	**1,244**	-5,844
90%	-1,296	-1,130	**2**	**10**	**5**	**9**	**53**	**211**	**1,094**	**1,434**	**1,350**	-3,061
Long Term												
Full Simulation Period[a]	-3,592	-4,767	-4,003	-2,119	-988	-114	**292**	**350**	-115	**669**	**1,278**	-1,049
Water Year Types[b]												
Wet (31%)	-1,417	-2,579	-1,181	-486	**24**	**32**	**182**	**740**	**738**	**1,392**	**3,064**	-2,570
Above Normal (25%)	-2,462	-4,261	-5,466	-322	**27**	**22**	**199**	**403**	**722**	**1,210**	**1,188**	-4,180
Below Normal (6%)	-6,051	-7,476	-7,466	-3,410	-90	**186**	**320**	**1,106**	**218**	**1,346**	**1,721**	**108**
Dry (13%)	-6,625	-6,588	-5,067	-3,464	-1,601	-107	**337**	**700**	**481**	**553**	**663**	**1,190**
Critical (25%)	-2,865	-4,720	-4,131	-2,811	-1,893	-351	**377**	-414	-1,677	-169	**288**	-602

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-38-12. Sacramento River at Mallard Slough, Monthly EC

Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	14,122	14,069	12,333	9,904	8,297	4,059	4,600	7,163	10,179	11,603	11,627	13,190
20%	13,584	13,673	12,070	8,056	6,682	3,221	3,775	6,336	8,297	10,291	11,148	12,948
30%	13,405	13,295	12,041	6,761	3,653	2,352	2,421	5,447	7,018	9,460	10,150	12,370
40%	13,211	13,140	11,204	5,512	3,558	1,376	1,923	3,332	5,656	8,317	9,439	11,941
50%	12,772	12,978	9,171	4,234	1,214	895	1,022	2,755	5,585	8,259	8,609	11,515
60%	11,718	12,740	8,086	3,402	663	334	689	1,717	4,059	6,402	8,162	11,000
70%	11,075	9,371	7,246	1,282	225	218	515	871	2,861	5,146	7,928	10,893
80%	10,674	7,398	1,490	351	216	208	381	747	2,161	4,326	7,794	10,135
90%	3,879	2,830	199	216	213	205	211	300	1,098	3,818	7,508	6,703
Long Term												
Full Simulation Period[a]	11,009	10,456	8,018	4,607	3,002	1,735	1,967	3,394	5,366	7,407	8,862	10,603
Water Year Types[b]												
Wet (31%)	7,319	5,554	2,062	1,042	210	210	363	711	1,907	3,470	5,971	6,344
Above Normal (25%)	13,938	12,767	9,645	667	221	208	322	623	1,847	4,306	7,871	10,288
Below Normal (6%)	11,300	12,740	12,379	5,512	849	334	802	899	3,007	6,402	8,316	11,941
Dry (13%)	11,788	11,518	8,960	6,320	3,932	1,457	1,675	3,482	5,880	8,496	9,059	11,483
Critical (25%)	12,107	12,146	10,506	7,484	6,033	4,069	4,375	7,077	9,603	11,127	11,523	13,165

Alternative 8 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	12,421	10,281	7,265	4,989	4,844	2,404	3,658	5,846	7,552	11,054	11,978	13,460
20%	12,218	9,351	7,047	3,556	3,324	2,069	3,287	4,894	6,589	9,907	11,914	13,097
30%	10,796	7,438	5,283	3,012	1,742	1,718	1,645	4,445	6,405	9,836	11,463	12,752
40%	10,137	7,051	4,406	1,936	1,377	980	1,400	3,353	6,062	9,814	11,082	12,593
50%	9,877	6,039	3,583	1,785	822	666	1,137	2,902	5,348	8,983	10,778	12,499
60%	4,998	5,161	3,381	1,133	568	452	856	1,751	4,306	7,871	10,579	12,338
70%	3,778	3,800	2,977	746	282	293	606	1,354	3,173	5,785	9,383	6,097
80%	2,821	2,624	1,112	233	223	217	475	1,125	2,654	5,471	9,134	4,017
90%	2,685	1,693	201	227	214	213	247	423	2,156	5,213	8,760	3,659
Long Term												
Full Simulation Period[a]	7,698	5,948	4,120	2,395	1,846	1,325	1,786	3,086	4,955	8,077	10,519	9,752
Water Year Types[b]												
Wet (31%)	6,301	3,165	893	450	234	243	468	1,135	2,475	4,712	8,895	3,703
Above Normal (25%)	11,171	8,577	4,524	347	243	228	419	832	2,494	5,493	9,139	6,097
Below Normal (6%)	4,998	5,161	4,900	1,936	568	452	856	1,149	2,976	7,871	10,795	13,097
Dry (13%)	5,660	5,419	4,024	2,658	1,875	923	1,294	3,498	6,224	9,429	10,980	13,234
Critical (25%)	9,596	7,702	6,461	4,651	4,009	3,126	3,965	5,606	7,305	10,761	11,947	12,600

Alternative 8 (LLT) minus Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-1,701	-3,788	-5,069	-4,915	-3,453	-1,655	-942	-1,317	-2,627	-549	**351**	**270**
20%	-1,366	-4,323	-5,023	-4,500	-3,358	-1,152	-488	-1,442	-1,708	-384	**766**	**149**
30%	-2,609	-5,858	-6,758	-3,749	-1,911	-634	-776	-1,003	-613	**376**	**1,312**	**382**
40%	-3,073	-6,090	-6,798	-3,576	-2,181	-396	-523	**21**	**405**	**1,497**	**1,643**	**652**
50%	-2,895	-6,938	-5,588	-2,449	-392	-228	**115**	**148**	-236	**724**	**2,170**	**984**
60%	-6,720	-7,579	-4,705	-2,270	-95	**118**	**167**	**33**	**247**	**1,469**	**2,417**	**1,338**
70%	-7,296	-5,571	-4,269	-536	**57**	**74**	**91**	**483**	**312**	**639**	**1,455**	-4,797
80%	-7,852	-4,774	-378	-118	**7**	**9**	**93**	**378**	**492**	**1,145**	**1,340**	-6,117
90%	-1,194	-1,136	**2**	**11**	**1**	**8**	**36**	**123**	**1,058**	**1,395**	**1,253**	-3,044
Long Term												
Full Simulation Period[a]	-3,311	-4,508	-3,898	-2,212	-1,156	-410	-181	-308	-411	**670**	**1,657**	-851
Water Year Types[b]												
Wet (31%)	-1,018	-2,388	-1,169	-592	**23**	**33**	**105**	**424**	**569**	**1,242**	**2,925**	-2,641
Above Normal (25%)	-2,767	-4,190	-5,121	-320	**22**	**20**	**98**	**209**	**647**	**1,187**	**1,268**	-4,191
Below Normal (6%)	-6,302	-7,579	-7,479	-3,576	-281	**118**	**54**	**250**	-30	**1,469**	**2,479**	**1,156**
Dry (13%)	-6,129	-6,099	-4,936	-3,662	-2,057	-534	-381	**16**	**345**	**933**	**1,921**	**1,751**
Critical (25%)	-2,511	-4,444	-4,044	-2,833	-2,024	-943	-410	-1,471	-2,298	-366	**424**	-565

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-38-13. Sacramento River at Mallard Slough, Monthly EC

Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	14,122	14,069	12,333	9,904	8,297	4,059	4,600	7,163	10,179	11,603	11,627	13,190
20%	13,584	13,673	12,070	8,056	6,682	3,221	3,775	6,336	8,297	10,291	11,148	12,948
30%	13,405	13,295	12,041	6,761	3,653	2,352	2,421	5,447	7,018	9,460	10,150	12,370
40%	13,211	13,140	11,204	5,512	3,558	1,376	1,923	3,332	5,656	8,317	9,439	11,941
50%	12,772	12,978	9,171	4,234	1,214	895	1,022	2,755	5,585	8,259	8,609	11,515
60%	11,718	12,740	8,086	3,402	663	334	689	1,717	4,059	6,402	8,162	11,000
70%	11,075	9,371	7,246	1,282	225	218	515	871	2,861	5,146	7,928	10,893
80%	10,674	7,398	1,490	351	216	208	381	747	2,161	4,326	7,794	10,135
90%	3,879	2,830	199	216	213	205	211	300	1,098	3,818	7,508	6,703
Long Term												
Full Simulation Period[a]	11,009	10,456	8,018	4,607	3,002	1,735	1,967	3,394	5,366	7,407	8,862	10,603
Water Year Types[b]												
Wet (31%)	7,319	5,554	2,062	1,042	210	210	363	711	1,907	3,470	5,971	6,344
Above Normal (25%)	13,938	12,767	9,645	667	221	208	322	623	1,847	4,306	7,871	10,288
Below Normal (6%)	11,300	12,740	12,379	5,512	849	334	802	899	3,007	6,402	8,316	11,941
Dry (13%)	11,788	11,518	8,960	6,320	3,932	1,457	1,675	3,482	5,880	8,496	9,059	11,483
Critical (25%)	12,107	12,146	10,506	7,484	6,033	4,069	4,375	7,077	9,603	11,127	11,523	13,165

Alternative 9 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	14,385	15,035	14,229	11,194	8,899	5,241	5,186	8,039	10,490	11,437	11,261	13,044
20%	13,910	13,874	13,120	7,727	7,067	4,402	3,868	6,936	8,693	10,997	10,781	12,960
30%	13,489	13,700	11,115	6,676	3,978	2,976	3,088	3,911	6,490	9,865	10,038	12,520
40%	13,056	13,524	9,362	5,417	3,326	1,782	2,501	3,614	5,915	9,621	9,881	12,427
50%	12,053	10,373	7,875	4,507	2,096	1,315	2,003	3,492	5,596	8,640	9,613	12,028
60%	6,064	6,102	7,530	4,139	888	420	1,592	3,017	5,157	7,739	8,983	11,512
70%	4,219	4,838	6,472	1,275	253	248	932	2,808	4,097	6,622	8,763	6,308
80%	2,927	3,607	3,520	397	224	206	621	1,933	3,784	5,006	8,623	4,172
90%	2,834	2,030	206	223	211	204	234	548	2,807	4,690	8,164	3,502
Long Term												
Full Simulation Period[a]	9,206	9,135	8,067	5,019	3,414	2,177	2,491	3,874	5,884	8,223	9,590	9,556
Water Year Types[b]												
Wet (31%)	7,483	5,806	2,490	1,197	221	218	656	1,874	2,970	4,708	8,418	3,621
Above Normal (25%)	14,096	14,415	11,115	584	236	217	528	1,360	3,673	5,526	8,382	6,308
Below Normal (6%)	6,064	6,102	8,213	4,316	888	420	1,592	3,017	3,784	7,739	10,043	12,992
Dry (13%)	6,368	7,342	8,337	6,853	4,114	1,901	2,270	3,357	5,833	9,252	9,785	12,395
Critical (25%)	11,528	11,729	11,065	8,524	7,186	5,101	5,101	7,066	9,560	11,387	10,764	12,645

Alternative 9 (LLT) minus Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	**263**	**965**	**1,895**	**1,290**	**603**	**1,183**	**586**	**876**	**311**	-166	-366	-146
20%	**326**	**201**	**1,050**	-329	**385**	**1,181**	**94**	**601**	**396**	**706**	-367	**12**
30%	**84**	**405**	-926	-85	**325**	**624**	**667**	-1,536	-528	**405**	-112	**150**
40%	-155	**383**	-1,841	-95	-232	**406**	**579**	**282**	**259**	**1,304**	**442**	**486**
50%	-718	-2,604	-1,296	**273**	**883**	**421**	**981**	**737**	**11**	**381**	**1,005**	**513**
60%	-5,654	-6,638	-556	**736**	**225**	**86**	**903**	**1,300**	**1,098**	**1,337**	**822**	**512**
70%	-6,856	-4,533	-774	-8	**28**	**30**	**416**	**1,937**	**1,237**	**1,476**	**835**	-4,585
80%	-7,747	-3,791	**2,030**	**46**	**8**	-2	**239**	**1,186**	**1,623**	**680**	**829**	-5,962
90%	-1,045	-800	**7**	**7**	-1	-1	**23**	**248**	**1,709**	**872**	**656**	-3,201
Long Term												
Full Simulation Period[a]	-1,803	-1,320	**50**	**412**	**412**	**442**	**524**	**480**	**518**	**816**	**728**	-1,047
Water Year Types[b]												
Wet (31%)	**164**	**252**	**428**	**155**	**10**	**8**	**293**	**1,162**	**1,064**	**1,239**	**2,447**	-2,723
Above Normal (25%)	**157**	**1,648**	**1,470**	-84	**15**	**9**	**206**	**737**	**1,826**	**1,220**	**511**	-3,979
Below Normal (6%)	-5,235	-6,638	-4,166	-1,196	**39**	**86**	**790**	**2,118**	**778**	**1,337**	**1,727**	**1,052**
Dry (13%)	-5,420	-4,176	-623	**534**	**181**	**443**	**595**	-125	-47	**756**	**727**	**912**
Critical (25%)	-579	-417	**560**	**1,040**	**1,153**	**1,032**	**726**	-11	-42	**260**	-759	-520

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-38-14. Sacramento River at Mallard Slough, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	13,228	14,006	13,056	8,727	8,514	5,581	5,145	7,755	10,610	10,994	11,682	13,518
20%	12,485	12,683	11,953	7,995	4,776	4,232	4,809	6,713	8,320	9,136	10,380	13,182
30%	12,259	12,426	10,108	6,172	4,395	2,992	3,446	4,760	6,910	8,985	9,790	12,839
40%	11,848	12,167	8,038	5,746	4,018	1,531	2,286	4,662	6,567	8,521	9,320	12,403
50%	11,440	9,466	7,777	5,019	2,235	1,459	1,627	3,923	5,750	7,585	8,141	12,113
60%	6,284	6,399	7,472	3,683	1,154	531	1,141	2,423	4,903	5,291	7,833	11,425
70%	4,405	5,130	6,650	1,365	252	256	694	2,081	4,419	4,519	7,305	6,043
80%	2,881	3,656	3,651	327	212	205	513	1,312	3,382	4,120	7,212	4,051
90%	2,840	1,983	220	212	208	204	224	480	2,493	3,305	7,119	3,222
Long Term												
Full Simulation Period[a]	8,694	8,518	7,508	4,564	3,244	2,150	2,423	3,948	6,023	7,029	8,841	9,622
Water Year Types[b]												
Wet (31%)	7,485	5,684	2,165	1,077	218	227	508	1,458	3,009	3,524	7,082	3,392
Above Normal (25%)	12,515	12,541	9,799	624	226	207	423	990	3,472	4,050	7,204	6,043
Below Normal (6%)	6,284	6,399	8,552	4,898	1,240	531	1,182	2,097	3,382	7,367	9,320	12,403
Dry (13%)	5,972	6,918	7,655	6,981	4,441	2,064	2,441	4,087	6,205	7,664	8,624	12,159
Critical (25%)	10,792	10,881	10,538	6,931	6,316	4,858	4,990	7,383	9,836	10,449	10,980	13,451

Alternative 1A,1B,1C (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	12,505	12,719	11,721	8,550	6,764	5,516	5,800	8,791	11,537	12,355	12,816	13,561
20%	12,318	12,415	11,250	7,655	5,726	4,723	5,328	7,495	8,755	11,464	11,874	13,187
30%	11,660	11,071	10,463	6,150	5,424	3,167	3,614	5,265	7,724	10,146	11,481	12,959
40%	10,977	10,407	9,896	5,526	3,931	2,507	3,193	5,195	6,541	9,842	10,972	12,691
50%	9,797	9,196	9,568	5,335	2,546	2,103	2,606	5,028	6,011	8,653	10,048	12,369
60%	9,562	8,469	8,339	4,590	1,166	521	1,895	4,589	5,874	6,529	9,576	12,272
70%	7,723	7,732	7,372	1,678	292	296	924	2,696	5,053	6,247	9,230	12,215
80%	6,160	6,790	4,865	536	268	220	687	2,552	4,595	5,831	8,730	11,389
90%	5,460	3,384	235	234	227	215	268	802	2,562	5,377	8,490	10,411
Long Term												
Full Simulation Period[a]	9,404	8,871	7,836	4,566	3,184	2,352	2,848	4,714	6,576	8,389	10,413	12,006
Water Year Types[b]												
Wet (31%)	7,958	4,871	1,962	1,499	249	241	741	2,183	3,273	4,786	8,821	10,822
Above Normal (25%)	9,682	10,619	9,118	588	259	238	599	1,884	4,186	6,135	9,230	12,481
Below Normal (6%)	5,998	7,278	10,572	5,354	1,166	521	2,206	4,589	4,595	8,097	11,243	13,836
Dry (13%)	11,620	11,389	9,301	6,163	4,599	2,617	2,801	4,488	6,427	8,886	10,008	11,969
Critical (25%)	9,359	9,678	10,305	7,177	5,973	5,039	5,600	8,078	10,691	11,835	12,316	12,426

Alternative 1A,1B,1C (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-723	-1,287	-1,334	-176	-1,750	-65	**655**	**1,036**	**927**	**1,362**	**1,134**	**43**
20%	-167	-268	-703	-340	**950**	**491**	**519**	**782**	**435**	**2,327**	**1,494**	**5**
30%	-599	-1,356	**354**	-22	**1,029**	**175**	**168**	**506**	**815**	**1,161**	**1,691**	**120**
40%	-871	-1,760	**1,858**	-220	-87	**976**	**907**	**533**	-26	**1,321**	**1,652**	**288**
50%	-1,643	-270	**1,791**	**316**	**311**	**644**	**979**	**1,105**	**261**	**1,067**	**1,907**	**256**
60%	**3,279**	**2,070**	**867**	**908**	**12**	-10	**753**	**2,166**	**971**	**1,238**	**1,743**	**846**
70%	**3,318**	**2,602**	**721**	**312**	**40**	**40**	**229**	**615**	**634**	**1,728**	**1,926**	**6,172**
80%	**3,279**	**3,134**	**1,214**	**209**	**56**	**15**	**174**	**1,240**	**1,214**	**1,711**	**1,518**	**7,338**
90%	**2,620**	**1,402**	**15**	**22**	**19**	**11**	**45**	**322**	**69**	**2,072**	**1,371**	**7,188**
Long Term												
Full Simulation Period[a]	**710**	**353**	**329**	**2**	-60	**202**	**425**	**766**	**554**	**1,360**	**1,572**	**2,384**
Water Year Types[b]												
Wet (31%)	**473**	-813	-204	**422**	**31**	**14**	**234**	**725**	**265**	**1,262**	**1,740**	**7,430**
Above Normal (25%)	-2,834	-1,922	-682	-37	**33**	**31**	**176**	**894**	**714**	**2,085**	**2,026**	**6,438**
Below Normal (6%)	-286	**879**	**2,020**	**456**	-74	-10	**1,023**	**2,492**	**1,214**	**729**	**1,922**	**1,434**
Dry (13%)	**5,649**	**4,471**	**1,646**	-818	**158**	**553**	**360**	**401**	**222**	**1,222**	**1,384**	-190
Critical (25%)	-1,433	-1,203	-233	**247**	-343	**181**	**610**	**695**	**854**	**1,386**	**1,336**	-1,025

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-38-15. Sacramento River at Mallard Slough, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	13,228	14,006	13,056	8,727	8,514	5,581	5,145	7,755	10,610	10,994	11,682	13,518
20%	12,485	12,683	11,953	7,995	4,776	4,232	4,809	6,713	8,320	9,136	10,380	13,182
30%	12,259	12,426	10,108	6,172	4,395	2,992	3,446	4,760	6,910	8,985	9,790	12,839
40%	11,848	12,167	8,038	5,746	4,018	1,531	2,286	4,662	6,567	8,521	9,320	12,403
50%	11,440	9,466	7,777	5,019	2,235	1,459	1,627	3,923	5,750	7,585	8,141	12,113
60%	6,284	6,399	7,472	3,683	1,154	531	1,141	2,423	4,903	5,291	7,833	11,425
70%	4,405	5,130	6,650	1,365	252	256	694	2,081	4,419	4,519	7,305	6,043
80%	2,881	3,656	3,651	327	212	205	513	1,312	3,382	4,120	7,212	4,051
90%	2,840	1,983	220	212	208	204	224	480	2,493	3,305	7,119	3,222
Long Term												
Full Simulation Period[a]	8,694	8,518	7,508	4,564	3,244	2,150	2,423	3,948	6,023	7,029	8,841	9,622
Water Year Types[b]												
Wet (31%)	7,485	5,684	2,165	1,077	218	227	508	1,458	3,009	3,524	7,082	3,392
Above Normal (25%)	12,515	12,541	9,799	624	226	207	423	990	3,472	4,050	7,204	6,043
Below Normal (6%)	6,284	6,399	8,552	4,898	1,240	531	1,182	2,097	3,382	7,367	9,320	12,403
Dry (13%)	5,972	6,918	7,655	6,981	4,441	2,064	2,441	4,087	6,205	7,664	8,624	12,159
Critical (25%)	10,792	10,881	10,538	6,931	6,316	4,858	4,990	7,383	9,836	10,449	10,980	13,451

Alternative 2A,2B,2C (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	11,885	13,080	11,113	6,720	6,854	5,172	5,766	8,768	11,566	12,390	12,708	13,480
20%	9,469	10,748	8,811	5,757	5,076	4,596	5,239	7,307	8,910	11,583	12,128	13,235
30%	9,251	9,626	8,544	5,188	3,611	3,134	3,751	4,977	7,562	9,833	11,407	12,727
40%	8,855	8,880	8,098	4,992	3,208	2,346	3,176	4,834	6,513	9,708	10,442	12,089
50%	7,942	7,067	7,300	4,256	2,402	2,015	2,039	4,229	5,980	8,639	10,060	11,805
60%	5,609	5,713	6,789	3,284	1,463	849	1,415	2,560	5,788	6,605	9,659	10,311
70%	4,002	4,710	6,094	1,490	295	298	878	2,457	4,271	5,993	8,981	6,110
80%	2,959	3,679	2,632	399	252	221	624	1,657	3,680	5,895	8,770	4,247
90%	2,896	2,080	227	232	227	215	269	589	2,440	5,386	8,739	3,684
Long Term												
Full Simulation Period[a]	7,163	7,344	6,642	3,691	2,809	2,307	2,742	4,301	6,387	8,331	10,403	9,543
Water Year Types[b]												
Wet (31%)	5,745	4,993	1,955	1,156	245	242	606	1,731	3,208	4,847	8,904	3,776
Above Normal (25%)	9,789	10,810	8,454	557	262	239	578	1,205	3,325	5,823	8,981	6,110
Below Normal (6%)	5,609	5,713	8,297	4,565	1,463	849	1,512	2,560	3,680	7,801	11,115	13,707
Dry (13%)	5,535	6,657	6,286	5,256	4,049	2,547	2,754	4,199	6,374	8,937	10,198	12,253
Critical (25%)	8,859	8,714	9,619	5,547	5,158	4,887	5,553	8,024	10,708	11,743	12,193	12,529

Alternative 2A,2B,2C (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-1,344	-926	-1,943	-2,007	-1,660	-409	**621**	**1,013**	**956**	**1,396**	**1,026**	-39
20%	-3,016	-1,935	-3,143	-2,238	**301**	**364**	**431**	**594**	**589**	**2,447**	**1,748**	**52**
30%	-3,008	-2,800	-1,564	-984	-784	**142**	**305**	**218**	**652**	**848**	**1,618**	-113
40%	-2,993	-3,287	**60**	-754	-810	**815**	**890**	**172**	-54	**1,187**	**1,122**	-313
50%	-3,498	-2,399	-477	-763	**167**	**556**	**412**	**306**	**230**	**1,054**	**1,919**	-308
60%	-675	-686	-683	-398	**309**	**318**	**274**	**137**	**885**	**1,314**	**1,825**	-1,115
70%	-403	-419	-556	**125**	**42**	**42**	**184**	**376**	-147	**1,475**	**1,676**	**67**
80%	**78**	**23**	-1,019	**73**	**40**	**16**	**111**	**345**	**298**	**1,775**	**1,558**	**197**
90%	**56**	**97**	**7**	**20**	**20**	**11**	**46**	**109**	-54	**2,080**	**1,620**	**462**
Long Term												
Full Simulation Period[a]	-1,531	-1,174	-866	-873	-435	**157**	**319**	**352**	**365**	**1,302**	**1,562**	-79
Water Year Types[b]												
Wet (31%)	-1,740	-690	-210	**79**	**27**	**15**	**98**	**273**	**199**	**1,323**	**1,822**	**384**
Above Normal (25%)	-2,726	-1,731	-1,345	-68	**36**	**32**	**155**	**214**	-147	**1,773**	**1,776**	**67**
Below Normal (6%)	-675	-686	-256	-333	**223**	**318**	**330**	**464**	**298**	**434**	**1,794**	**1,304**
Dry (13%)	-436	-261	-1,369	-1,724	-392	**483**	**313**	**113**	**169**	**1,273**	**1,574**	**94**
Critical (25%)	-1,933	-2,167	-919	-1,384	-1,158	**29**	**563**	**640**	**872**	**1,294**	**1,214**	-922

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-38-16. Sacramento River at Mallard Slough, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	13,228	14,006	13,056	8,727	8,514	5,581	5,145	7,755	10,610	10,994	11,682	13,518
20%	12,485	12,683	11,953	7,995	4,776	4,232	4,809	6,713	8,320	9,136	10,380	13,182
30%	12,259	12,426	10,108	6,172	4,395	2,992	3,446	4,760	6,910	8,985	9,790	12,839
40%	11,848	12,167	8,038	5,746	4,018	1,531	2,286	4,662	6,567	8,521	9,320	12,403
50%	11,440	9,466	7,777	5,019	2,235	1,459	1,627	3,923	5,750	7,585	8,141	12,113
60%	6,284	6,399	7,472	3,683	1,154	531	1,141	2,423	4,903	5,291	7,833	11,425
70%	4,405	5,130	6,650	1,365	252	256	694	2,081	4,419	4,519	7,305	6,043
80%	2,881	3,656	3,651	327	212	205	513	1,312	3,382	4,120	7,212	4,051
90%	2,840	1,983	220	212	208	204	224	480	2,493	3,305	7,119	3,222
Long Term												
Full Simulation Period[a]	8,694	8,518	7,508	4,564	3,244	2,150	2,423	3,948	6,023	7,029	8,841	9,622
Water Year Types[b]												
Wet (31%)	7,485	5,684	2,165	1,077	218	227	508	1,458	3,009	3,524	7,082	3,392
Above Normal (25%)	12,515	12,541	9,799	624	226	207	423	990	3,472	4,050	7,204	6,043
Below Normal (6%)	6,284	6,399	8,552	4,898	1,240	531	1,182	2,097	3,382	7,367	9,320	12,403
Dry (13%)	5,972	6,918	7,655	6,981	4,441	2,064	2,441	4,087	6,205	7,664	8,624	12,159
Critical (25%)	10,792	10,881	10,538	6,931	6,316	4,858	4,990	7,383	9,836	10,449	10,980	13,451

Alternative 3 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	12,655	12,431	11,907	7,658	6,673	5,466	5,847	8,940	11,458	12,290	12,813	13,417
20%	12,408	11,960	11,478	7,416	6,012	4,704	5,309	7,480	8,671	11,410	11,749	13,254
30%	11,684	11,472	10,767	6,719	5,233	2,907	3,573	5,289	7,677	9,973	11,309	13,031
40%	10,870	10,472	9,891	5,689	4,003	2,172	3,210	5,172	6,508	9,722	10,658	12,745
50%	9,264	9,201	9,017	5,035	2,426	1,907	2,572	5,054	6,280	8,706	10,080	12,474
60%	8,860	8,185	8,737	4,454	1,297	528	1,909	4,585	5,854	6,570	9,321	12,258
70%	7,196	7,504	7,309	1,549	271	279	931	2,738	5,138	6,330	9,133	11,801
80%	5,865	6,129	4,827	472	237	214	770	2,568	4,588	5,869	8,745	11,377
90%	5,213	3,351	223	221	215	212	253	850	2,565	5,325	8,723	10,778
Long Term												
Full Simulation Period[a]	9,220	8,718	7,901	4,365	3,022	2,284	2,856	4,752	6,597	8,390	10,383	12,009
Water Year Types[b]												
Wet (31%)	7,733	5,415	2,144	1,275	233	239	766	2,206	3,333	4,819	8,802	10,685
Above Normal (25%)	9,353	9,863	8,852	601	239	218	577	1,932	4,215	6,139	9,155	12,377
Below Normal (6%)	7,270	8,084	10,952	5,436	1,297	528	2,204	4,585	4,588	8,134	11,205	13,929
Dry (13%)	11,687	11,180	9,195	6,474	4,525	2,379	2,760	4,503	6,518	8,873	10,073	12,186
Critical (25%)	8,774	9,058	10,481	6,441	5,510	5,021	5,645	8,148	10,626	11,811	12,222	12,396

Alternative 3 (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-573	-1,575	-1,149	-1,068	-1,840	-115	**702**	**1,185**	**848**	**1,297**	**1,131**	-101
20%	-77	-723	-475	-579	**1,236**	**472**	**501**	**768**	**351**	**2,273**	**1,369**	**72**
30%	-574	-954	**659**	**547**	**839**	-85	**127**	**530**	**767**	**988**	**1,520**	**192**
40%	-978	-1,695	**1,853**	-57	-15	**641**	**924**	**510**	-59	**1,201**	**1,338**	**342**
50%	-2,176	-265	**1,241**	**16**	**191**	**448**	**946**	**1,131**	**530**	**1,121**	**1,939**	**361**
60%	**2,577**	**1,786**	**1,265**	**771**	**143**	-3	**768**	**2,162**	**951**	**1,279**	**1,488**	**833**
70%	**2,791**	**2,374**	**659**	**183**	**18**	**23**	**237**	**657**	**719**	**1,812**	**1,828**	**5,758**
80%	**2,984**	**2,474**	**1,176**	**146**	**25**	**10**	**257**	**1,257**	**1,206**	**1,749**	**1,533**	**7,326**
90%	**2,373**	**1,368**	**3**	**9**	**7**	**8**	**29**	**369**	**72**	**2,020**	**1,604**	**7,555**
Long Term												
Full Simulation Period[a]	**527**	**199**	**393**	-199	-222	**134**	**432**	**804**	**574**	**1,361**	**1,542**	**2,387**
Water Year Types[b]												
Wet (31%)	**248**	-268	-21	**198**	**15**	**13**	**258**	**749**	**324**	**1,295**	**1,721**	**7,293**
Above Normal (25%)	-3,162	-2,678	-947	-23	**13**	**11**	**154**	**941**	**743**	**2,090**	**1,950**	**6,334**
Below Normal (6%)	**986**	**1,685**	**2,399**	**538**	**58**	-3	**1,022**	**2,488**	**1,206**	**767**	**1,885**	**1,527**
Dry (13%)	**5,715**	**4,262**	**1,540**	-507	**84**	**315**	**319**	**417**	**313**	**1,209**	**1,450**	**27**
Critical (25%)	-2,018	-1,823	-56	-489	-806	**163**	**655**	**765**	**790**	**1,362**	**1,242**	-1,055

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-38-17. Sacramento River at Mallard Slough, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	13,228	14,006	13,056	8,727	8,514	5,581	5,145	7,755	10,610	10,994	11,682	13,518
20%	12,485	12,683	11,953	7,995	4,776	4,232	4,809	6,713	8,320	9,136	10,380	13,182
30%	12,259	12,426	10,108	6,172	4,395	2,992	3,446	4,760	6,910	8,985	9,790	12,839
40%	11,848	12,167	8,038	5,746	4,018	1,531	2,286	4,662	6,567	8,521	9,320	12,403
50%	11,440	9,466	7,777	5,019	2,235	1,459	1,627	3,923	5,750	7,585	8,141	12,113
60%	6,284	6,399	7,472	3,683	1,154	531	1,141	2,423	4,903	5,291	7,833	11,425
70%	4,405	5,130	6,650	1,365	252	256	694	2,081	4,419	4,519	7,305	6,043
80%	2,881	3,656	3,651	327	212	205	513	1,312	3,382	4,120	7,212	4,051
90%	2,840	1,983	220	212	208	204	224	480	2,493	3,305	7,119	3,222
Long Term												
Full Simulation Period[a]	8,694	8,518	7,508	4,564	3,244	2,150	2,423	3,948	6,023	7,029	8,841	9,622
Water Year Types[b]												
Wet (31%)	7,485	5,684	2,165	1,077	218	227	508	1,458	3,009	3,524	7,082	3,392
Above Normal (25%)	12,515	12,541	9,799	624	226	207	423	990	3,472	4,050	7,204	6,043
Below Normal (6%)	6,284	6,399	8,552	4,898	1,240	531	1,182	2,097	3,382	7,367	9,320	12,403
Dry (13%)	5,972	6,918	7,655	6,981	4,441	2,064	2,441	4,087	6,205	7,664	8,624	12,159
Critical (25%)	10,792	10,881	10,538	6,931	6,316	4,858	4,990	7,383	9,836	10,449	10,980	13,451

Alternative 4 H1 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	11,858	13,388	11,877	6,345	6,403	5,010	5,796	8,668	11,547	12,419	12,743	13,300
20%	11,177	11,181	11,068	5,457	4,617	4,771	5,300	7,328	8,648	11,395	12,153	13,171
30%	10,360	10,416	10,109	5,253	3,788	3,103	3,707	5,059	7,620	9,997	11,258	12,902
40%	9,740	9,728	9,280	4,405	3,243	2,202	3,023	4,891	7,008	9,717	10,644	12,565
50%	9,423	9,540	8,936	3,914	2,247	1,877	1,962	4,345	6,075	8,378	10,116	12,486
60%	9,318	9,299	8,280	3,032	1,312	655	1,416	2,565	5,792	6,591	9,088	12,003
70%	8,858	8,078	6,811	1,487	283	293	910	2,444	4,271	6,177	9,014	11,839
80%	7,902	6,621	2,331	385	237	219	620	1,701	3,414	5,896	8,801	11,681
90%	7,219	3,922	210	224	214	213	267	570	2,438	5,148	8,583	10,079
Long Term												
Full Simulation Period[a]	9,439	8,950	7,464	3,699	2,803	2,260	2,729	4,319	6,403	8,337	10,358	11,870
Water Year Types[b]												
Wet (31%)	7,557	4,989	1,917	1,089	236	242	605	1,714	3,191	4,833	8,811	10,773
Above Normal (25%)	10,099	11,061	8,585	535	247	229	582	1,228	3,358	5,802	8,920	12,237
Below Normal (6%)	7,813	8,421	11,068	5,137	1,312	655	1,426	2,565	3,414	7,575	11,055	13,702
Dry (13%)	10,633	10,338	8,285	5,273	3,956	2,431	2,728	4,304	6,575	8,844	10,018	11,533
Critical (25%)	10,052	10,270	10,075	5,506	5,254	4,869	5,550	8,001	10,651	11,902	12,305	12,505

Alternative 4 H1 (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-1,370	-618	-1,179	-2,381	-2,110	-570	**651**	**913**	**937**	**1,425**	**1,061**	-219
20%	-1,308	-1,502	-885	-2,538	-158	**539**	**491**	**615**	**328**	**2,259**	**1,773**	-11
30%	-1,899	-2,010	**1**	-919	-607	**111**	**261**	**300**	**710**	**1,012**	**1,469**	**63**
40%	-2,107	-2,438	**1,242**	-1,341	-775	**671**	**738**	**229**	**441**	**1,196**	**1,323**	**162**
50%	-2,017	**74**	**1,159**	-1,105	**12**	**418**	**336**	**422**	**325**	**793**	**1,975**	**373**
60%	**3,034**	**2,900**	**807**	-651	**158**	**124**	**275**	**142**	**889**	**1,299**	**1,255**	**578**
70%	**4,453**	**2,948**	**160**	**121**	**30**	**37**	**215**	**363**	-148	**1,658**	**1,709**	**5,796**
80%	**5,021**	**2,965**	-1,320	**59**	**25**	**14**	**107**	**390**	**32**	**1,776**	**1,589**	**7,631**
90%	**4,379**	**1,939**	-10	**12**	**7**	**9**	**43**	**90**	-55	**1,843**	**1,464**	**6,857**
Long Term												
Full Simulation Period[a]	**746**	**431**	-44	-865	-441	**110**	**306**	**370**	**381**	**1,309**	**1,518**	**2,249**
Water Year Types[b]												
Wet (31%)	**73**	-695	-249	**13**	**18**	**16**	**97**	**256**	**183**	**1,310**	**1,729**	**7,381**
Above Normal (25%)	-2,416	-1,481	-1,214	-90	**21**	**22**	**158**	**238**	-114	**1,752**	**1,716**	**6,194**
Below Normal (6%)	**1,529**	**2,021**	**2,516**	**239**	**73**	**124**	**244**	**468**	**32**	**208**	**1,735**	**1,300**
Dry (13%)	**4,661**	**3,420**	**630**	-1,708	-485	**367**	**287**	**217**	**370**	**1,180**	**1,394**	-626
Critical (25%)	-740	-611	-463	-1,424	-1,062	**11**	**559**	**618**	**815**	**1,453**	**1,325**	-946

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-38-18. Sacramento River at Mallard Slough, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	13,228	14,006	13,056	8,727	8,514	5,581	5,145	7,755	10,610	10,994	11,682	13,518
20%	12,485	12,683	11,953	7,995	4,776	4,232	4,809	6,713	8,320	9,136	10,380	13,182
30%	12,259	12,426	10,108	6,172	4,395	2,992	3,446	4,760	6,910	8,985	9,790	12,839
40%	11,848	12,167	8,038	5,746	4,018	1,531	2,286	4,662	6,567	8,521	9,320	12,403
50%	11,440	9,466	7,777	5,019	2,235	1,459	1,627	3,923	5,750	7,585	8,141	12,113
60%	6,284	6,399	7,472	3,683	1,154	531	1,141	2,423	4,903	5,291	7,833	11,425
70%	4,405	5,130	6,650	1,365	252	256	694	2,081	4,419	4,519	7,305	6,043
80%	2,881	3,656	3,651	327	212	205	513	1,312	3,382	4,120	7,212	4,051
90%	2,840	1,983	220	212	208	204	224	480	2,493	3,305	7,119	3,222
Long Term												
Full Simulation Period[a]	8,694	8,518	7,508	4,564	3,244	2,150	2,423	3,948	6,023	7,029	8,841	9,622
Water Year Types[b]												
Wet (31%)	7,485	5,684	2,165	1,077	218	227	508	1,458	3,009	3,524	7,082	3,392
Above Normal (25%)	12,515	12,541	9,799	624	226	207	423	990	3,472	4,050	7,204	6,043
Below Normal (6%)	6,284	6,399	8,552	4,898	1,240	531	1,182	2,097	3,382	7,367	9,320	12,403
Dry (13%)	5,972	6,918	7,655	6,981	4,441	2,064	2,441	4,087	6,205	7,664	8,624	12,159
Critical (25%)	10,792	10,881	10,538	6,931	6,316	4,858	4,990	7,383	9,836	10,449	10,980	13,451

Alternative 4 H2 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	11,866	13,246	11,904	7,562	6,519	4,904	5,470	8,587	11,434	12,162	12,629	13,482
20%	11,478	12,045	11,213	6,826	4,751	4,272	5,180	7,026	8,804	11,563	12,511	13,300
30%	10,263	10,964	10,936	5,796	4,050	2,989	3,531	5,029	7,585	9,943	11,183	12,633
40%	10,128	9,984	10,544	4,968	3,344	2,197	3,098	4,938	7,012	9,797	10,778	12,368
50%	9,962	9,306	9,009	4,260	2,396	1,845	1,933	3,711	6,342	8,715	10,015	12,303
60%	8,870	8,568	8,002	2,712	1,175	628	990	2,258	4,431	7,220	9,597	11,901
70%	8,479	7,756	6,706	1,421	281	295	465	1,811	3,794	6,124	9,322	11,833
80%	7,737	6,260	2,098	363	240	218	336	757	3,160	6,047	9,011	11,576
90%	6,583	3,414	206	224	216	213	223	473	2,459	5,454	8,810	11,114
Long Term												
Full Simulation Period[a]	9,355	8,885	7,640	3,872	2,816	2,184	2,553	4,038	6,270	8,464	10,445	11,947
Water Year Types[b]												
Wet (31%)	7,704	4,861	1,944	1,146	238	242	328	1,050	2,710	4,823	8,877	10,360
Above Normal (25%)	9,923	10,851	8,238	489	246	232	295	659	3,013	6,088	9,322	12,175
Below Normal (6%)	11,759	12,045	10,998	4,593	1,175	628	1,374	2,258	3,502	7,788	11,130	13,715
Dry (13%)	10,155	10,070	8,623	5,879	4,182	2,356	2,636	4,337	6,699	9,187	10,156	12,493
Critical (25%)	9,329	9,737	10,501	5,658	5,142	4,690	5,404	7,896	10,630	11,885	12,242	12,335

Alternative 4 H2 (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-1,362	-760	-1,152	-1,165	-1,994	-677	**325**	**832**	**824**	**1,168**	**947**	-36
20%	-1,007	-638	-740	-1,169	-25	**39**	**371**	**314**	**484**	**2,426**	**2,131**	**117**
30%	-1,995	-1,462	**828**	-375	-345	-3	**85**	**270**	**675**	**958**	**1,394**	-206
40%	-1,719	-2,182	**2,506**	-778	-674	**666**	**812**	**276**	**445**	**1,276**	**1,458**	-34
50%	-1,477	-160	**1,232**	-759	**161**	**386**	**307**	-211	**592**	**1,130**	**1,874**	**190**
60%	**2,586**	**2,168**	**529**	-971	**21**	**97**	-151	-165	-472	**1,929**	**1,764**	**475**
70%	**4,074**	**2,627**	**55**	**56**	**29**	**39**	-229	-269	-625	**1,605**	**2,017**	**5,790**
80%	**4,856**	**2,605**	-1,553	**36**	**28**	**13**	-177	-555	-221	**1,927**	**1,799**	**7,526**
90%	**3,743**	**1,431**	-13	**12**	**8**	**9**	-1	-7	-34	**2,149**	**1,691**	**7,891**
Long Term												
Full Simulation Period[a]	**661**	**366**	**133**	-692	-428	**34**	**129**	**90**	**247**	**1,435**	**1,604**	**2,325**
Water Year Types[b]												
Wet (31%)	**219**	-823	-221	**69**	**19**	**15**	-179	-408	-298	**1,299**	**1,796**	**6,968**
Above Normal (25%)	-2,593	-1,690	-1,562	-135	**20**	**25**	-129	-331	-459	**2,038**	**2,118**	**6,132**
Below Normal (6%)	**5,475**	**5,646**	**2,445**	-305	-65	**97**	**191**	**161**	**121**	**421**	**1,809**	**1,313**
Dry (13%)	**4,183**	**3,152**	**968**	-1,102	-258	**292**	**196**	**250**	**494**	**1,523**	**1,532**	**334**
Critical (25%)	-1,463	-1,144	-37	-1,273	-1,174	-168	**414**	**513**	**794**	**1,436**	**1,263**	-1,116

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-38-19. Sacramento River at Mallard Slough, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	13,228	14,006	13,056	8,727	8,514	5,581	5,145	7,755	10,610	10,994	11,682	13,518
20%	12,485	12,683	11,953	7,995	4,776	4,232	4,809	6,713	8,320	9,136	10,380	13,182
30%	12,259	12,426	10,108	6,172	4,395	2,992	3,446	4,760	6,910	8,985	9,790	12,839
40%	11,848	12,167	8,038	5,746	4,018	1,531	2,286	4,662	6,567	8,521	9,320	12,403
50%	11,440	9,466	7,777	5,019	2,235	1,459	1,627	3,923	5,750	7,585	8,141	12,113
60%	6,284	6,399	7,472	3,683	1,154	531	1,141	2,423	4,903	5,291	7,833	11,425
70%	4,405	5,130	6,650	1,365	252	256	694	2,081	4,419	4,519	7,305	6,043
80%	2,881	3,656	3,651	327	212	205	513	1,312	3,382	4,120	7,212	4,051
90%	2,840	1,983	220	212	208	204	224	480	2,493	3,305	7,119	3,222
Long Term												
Full Simulation Period[a]	8,694	8,518	7,508	4,564	3,244	2,150	2,423	3,948	6,023	7,029	8,841	9,622
Water Year Types[b]												
Wet (31%)	7,485	5,684	2,165	1,077	218	227	508	1,458	3,009	3,524	7,082	3,392
Above Normal (25%)	12,515	12,541	9,799	624	226	207	423	990	3,472	4,050	7,204	6,043
Below Normal (6%)	6,284	6,399	8,552	4,898	1,240	531	1,182	2,097	3,382	7,367	9,320	12,403
Dry (13%)	5,972	6,918	7,655	6,981	4,441	2,064	2,441	4,087	6,205	7,664	8,624	12,159
Critical (25%)	10,792	10,881	10,538	6,931	6,316	4,858	4,990	7,383	9,836	10,449	10,980	13,451

Alternative 4 H3 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	12,046	13,112	10,554	6,697	7,141	5,149	5,765	8,751	11,570	12,462	12,698	13,323
20%	11,515	11,781	8,740	5,761	4,898	4,765	5,263	7,310	8,910	11,582	12,304	12,987
30%	10,205	10,259	8,343	5,147	3,957	3,129	3,737	4,992	7,571	10,218	11,439	12,625
40%	9,219	9,692	7,884	4,607	3,193	2,230	3,171	4,838	6,659	9,640	11,004	12,239
50%	7,757	6,632	7,289	3,782	2,340	1,859	2,021	4,263	6,088	8,543	10,080	11,619
60%	5,652	5,720	6,642	3,183	1,215	730	1,417	2,569	5,788	6,615	9,135	10,195
70%	3,971	4,698	6,081	1,418	282	293	905	2,462	4,283	6,032	8,964	6,050
80%	2,955	3,683	2,562	384	239	219	621	1,660	3,698	5,916	8,794	4,224
90%	2,885	2,063	211	224	214	214	267	570	2,428	5,138	8,735	3,630
Long Term												
Full Simulation Period[a]	7,370	7,499	6,509	3,610	2,854	2,304	2,748	4,306	6,414	8,373	10,427	9,462
Water Year Types[b]												
Wet (31%)	6,295	4,946	1,930	1,099	236	243	605	1,718	3,210	4,757	8,781	3,750
Above Normal (25%)	9,538	10,586	8,124	502	247	229	577	1,208	3,321	5,812	8,964	6,050
Below Normal (6%)	5,652	5,720	8,320	4,607	1,215	730	1,472	2,569	3,698	7,834	11,152	13,731
Dry (13%)	5,565	6,663	6,261	5,182	3,991	2,427	2,761	4,228	6,467	8,863	10,161	11,934
Critical (25%)	9,151	9,331	9,362	5,405	5,410	5,000	5,575	8,027	10,715	12,005	12,396	12,564

Alternative 4 H3 (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-1,183	-894	-2,501	-2,029	-1,373	-432	**620**	**996**	**960**	**1,468**	**1,015**	-195
20%	-970	-902	-3,213	-2,234	**123**	**533**	**454**	**597**	**590**	**2,445**	**1,924**	-195
30%	-2,054	-2,167	-1,766	-1,024	-438	**137**	**292**	**232**	**661**	**1,233**	**1,649**	-214
40%	-2,629	-2,475	-154	-1,139	-825	**699**	**885**	**176**	**92**	**1,119**	**1,684**	-163
50%	-3,683	-2,833	-488	-1,237	**105**	**400**	**394**	**340**	**337**	**958**	**1,939**	-494
60%	-632	-679	-830	-500	**61**	**199**	**276**	**146**	**885**	**1,324**	**1,302**	-1,230
70%	-434	-432	-569	**52**	**30**	**38**	**211**	**381**	-136	**1,514**	**1,659**	**7**
80%	**74**	**27**	-1,089	**57**	**27**	**14**	**108**	**348**	**316**	**1,797**	**1,582**	**173**
90%	**45**	**80**	-9	**12**	**7**	**10**	**43**	**90**	-65	**1,832**	**1,616**	**407**
Long Term												
Full Simulation Period[a]	-1,324	-1,019	-999	-955	-390	**154**	**325**	**358**	**391**	**1,344**	**1,586**	-160
Water Year Types[b]												
Wet (31%)	-1,190	-737	-235	**22**	**18**	**16**	**98**	**261**	**201**	**1,233**	**1,699**	**358**
Above Normal (25%)	-2,977	-1,955	-1,675	-122	**21**	**22**	**154**	**217**	-151	**1,762**	**1,760**	**7**
Below Normal (6%)	-632	-679	-233	-291	-24	**199**	**289**	**472**	**316**	**466**	**1,832**	**1,328**
Dry (13%)	-407	-255	-1,394	-1,799	-450	**363**	**320**	**141**	**262**	**1,199**	**1,537**	-225
Critical (25%)	-1,641	-1,550	-1,176	-1,526	-906	**142**	**585**	**644**	**879**	**1,557**	**1,416**	-887

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-38-20. Sacramento River at Mallard Slough, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	13,228	14,006	13,056	8,727	8,514	5,581	5,145	7,755	10,610	10,994	11,682	13,518
20%	12,485	12,683	11,953	7,995	4,776	4,232	4,809	6,713	8,320	9,136	10,380	13,182
30%	12,259	12,426	10,108	6,172	4,395	2,992	3,446	4,760	6,910	8,985	9,790	12,839
40%	11,848	12,167	8,038	5,746	4,018	1,531	2,286	4,662	6,567	8,521	9,320	12,403
50%	11,440	9,466	7,777	5,019	2,235	1,459	1,627	3,923	5,750	7,585	8,141	12,113
60%	6,284	6,399	7,472	3,683	1,154	531	1,141	2,423	4,903	5,291	7,833	11,425
70%	4,405	5,130	6,650	1,365	252	256	694	2,081	4,419	4,519	7,305	6,043
80%	2,881	3,656	3,651	327	212	205	513	1,312	3,382	4,120	7,212	4,051
90%	2,840	1,983	220	212	208	204	224	480	2,493	3,305	7,119	3,222
Long Term												
Full Simulation Period[a]	8,694	8,518	7,508	4,564	3,244	2,150	2,423	3,948	6,023	7,029	8,841	9,622
Water Year Types[b]												
Wet (31%)	7,485	5,684	2,165	1,077	218	227	508	1,458	3,009	3,524	7,082	3,392
Above Normal (25%)	12,515	12,541	9,799	624	226	207	423	990	3,472	4,050	7,204	6,043
Below Normal (6%)	6,284	6,399	8,552	4,898	1,240	531	1,182	2,097	3,382	7,367	9,320	12,403
Dry (13%)	5,972	6,918	7,655	6,981	4,441	2,064	2,441	4,087	6,205	7,664	8,624	12,159
Critical (25%)	10,792	10,881	10,538	6,931	6,316	4,858	4,990	7,383	9,836	10,449	10,980	13,451

Alternative 4 H4 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	12,078	12,595	11,844	8,336	7,570	5,124	5,615	8,538	11,417	12,123	12,520	13,307
20%	10,787	11,384	9,847	6,811	6,356	4,619	5,147	7,029	8,806	11,567	11,983	12,414
30%	9,418	10,056	8,463	6,151	4,104	3,081	3,498	5,035	7,592	10,055	11,260	12,203
40%	8,247	8,354	7,906	4,924	3,229	2,235	3,031	4,947	7,030	9,937	10,813	11,937
50%	7,363	6,236	7,239	4,224	2,335	1,808	1,994	3,713	6,409	8,660	10,177	11,778
60%	5,548	5,503	6,455	3,200	1,176	726	995	2,355	4,509	7,182	9,647	11,664
70%	3,960	4,486	6,058	1,458	280	293	462	1,815	3,633	6,085	9,352	6,122
80%	2,930	3,649	2,557	358	243	218	336	756	3,140	5,996	8,967	4,207
90%	2,863	2,103	208	224	219	213	222	479	2,451	5,446	8,800	3,641
Long Term												
Full Simulation Period[a]	7,144	7,216	6,700	4,192	3,079	2,266	2,579	4,043	6,263	8,441	10,433	9,473
Water Year Types[b]												
Wet (31%)	5,814	4,563	1,924	1,150	239	242	327	1,075	2,728	4,788	8,897	3,742
Above Normal (25%)	9,708	10,603	8,264	505	245	231	294	665	3,019	6,085	9,352	6,122
Below Normal (6%)	5,548	5,733	8,304	4,509	1,176	726	1,426	2,262	3,140	7,385	10,901	13,772
Dry (13%)	5,522	6,633	6,504	5,353	4,084	2,346	2,638	4,345	6,730	9,288	10,261	12,583
Critical (25%)	8,798	8,745	9,729	7,109	6,061	4,942	5,478	7,884	10,638	11,838	12,137	12,051

Alternative 4 H4 (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-1,150	-1,411	-1,212	-391	-943	-456	**470**	**783**	**807**	**1,130**	**838**	-211
20%	-1,698	-1,299	-2,107	-1,183	**1,581**	**387**	**338**	**317**	**486**	**2,430**	**1,603**	-768
30%	-2,840	-2,371	-1,645	-20	-291	**89**	**52**	**275**	**682**	**1,070**	**1,470**	-637
40%	-3,601	-3,813	-132	-822	-789	**704**	**745**	**285**	**463**	**1,416**	**1,493**	-465
50%	-4,077	-3,229	-538	-795	**100**	**349**	**367**	-210	**659**	**1,075**	**2,036**	-335
60%	-735	-897	-1,017	-482	**21**	**195**	-147	-68	-394	**1,891**	**1,814**	**239**
70%	-445	-644	-592	**93**	**27**	**38**	-232	-266	-786	**1,566**	**2,047**	**79**
80%	**49**	-6	-1,094	**31**	**31**	**13**	-177	-555	-242	**1,876**	**1,755**	**156**
90%	**23**	**121**	-12	**12**	**11**	**9**	-2	-2	-42	**2,141**	**1,681**	**419**
Long Term												
Full Simulation Period[a]	-1,550	-1,303	-808	-372	-165	**116**	**156**	**95**	**240**	**1,412**	**1,592**	-148
Water Year Types[b]												
Wet (31%)	-1,671	-1,120	-241	**73**	**21**	**15**	-181	-383	-280	**1,265**	**1,816**	**350**
Above Normal (25%)	-2,807	-1,939	-1,535	-120	**19**	**24**	-129	-326	-453	**2,035**	**2,148**	**79**
Below Normal (6%)	-735	-666	-249	-389	-64	**195**	**243**	**166**	-242	**18**	**1,580**	**1,370**
Dry (13%)	-450	-285	-1,151	-1,627	-357	**282**	**197**	**258**	**525**	**1,624**	**1,638**	**424**
Critical (25%)	-1,994	-2,136	-809	**178**	-254	**84**	**488**	**501**	**802**	**1,389**	**1,157**	-1,399

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-38-21. Sacramento River at Mallard Slough, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	13,228	14,006	13,056	8,727	8,514	5,581	5,145	7,755	10,610	10,994	11,682	13,518
20%	12,485	12,683	11,953	7,995	4,776	4,232	4,809	6,713	8,320	9,136	10,380	13,182
30%	12,259	12,426	10,108	6,172	4,395	2,992	3,446	4,760	6,910	8,985	9,790	12,839
40%	11,848	12,167	8,038	5,746	4,018	1,531	2,286	4,662	6,567	8,521	9,320	12,403
50%	11,440	9,466	7,777	5,019	2,235	1,459	1,627	3,923	5,750	7,585	8,141	12,113
60%	6,284	6,399	7,472	3,683	1,154	531	1,141	2,423	4,903	5,291	7,833	11,425
70%	4,405	5,130	6,650	1,365	252	256	694	2,081	4,419	4,519	7,305	6,043
80%	2,881	3,656	3,651	327	212	205	513	1,312	3,382	4,120	7,212	4,051
90%	2,840	1,983	220	212	208	204	224	480	2,493	3,305	7,119	3,222
Long Term												
Full Simulation Period[a]	8,694	8,518	7,508	4,564	3,244	2,150	2,423	3,948	6,023	7,029	8,841	9,622
Water Year Types[b]												
Wet (31%)	7,485	5,684	2,165	1,077	218	227	508	1,458	3,009	3,524	7,082	3,392
Above Normal (25%)	12,515	12,541	9,799	624	226	207	423	990	3,472	4,050	7,204	6,043
Below Normal (6%)	6,284	6,399	8,552	4,898	1,240	531	1,182	2,097	3,382	7,367	9,320	12,403
Dry (13%)	5,972	6,918	7,655	6,981	4,441	2,064	2,441	4,087	6,205	7,664	8,624	12,159
Critical (25%)	10,792	10,881	10,538	6,931	6,316	4,858	4,990	7,383	9,836	10,449	10,980	13,451

Alternative 5 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	12,834	12,515	11,910	8,379	7,342	5,701	5,487	8,403	11,325	12,091	12,709	13,284
20%	12,619	11,015	11,344	7,985	5,341	4,544	4,823	7,382	8,937	11,452	12,192	12,952
30%	11,426	10,364	8,602	6,291	4,836	3,431	3,746	5,097	7,816	9,896	11,262	12,692
40%	9,308	9,045	8,452	5,312	3,752	2,124	2,804	5,040	7,179	9,393	10,000	12,346
50%	8,860	8,698	7,712	5,164	2,448	1,807	1,997	4,478	6,367	8,404	9,596	11,866
60%	6,235	5,909	7,386	4,913	1,468	725	1,394	2,584	5,787	6,805	9,540	11,123
70%	4,422	4,833	6,458	1,395	264	271	901	2,514	4,715	6,461	9,149	6,028
80%	2,962	3,770	3,979	377	236	211	632	1,741	3,722	5,768	8,696	4,229
90%	2,894	2,124	219	217	211	210	236	591	2,573	5,324	8,512	3,523
Long Term												
Full Simulation Period[a]	7,995	7,627	7,124	4,418	3,116	2,359	2,652	4,334	6,557	8,318	10,268	9,531
Water Year Types[b]												
Wet (31%)	7,676	5,569	2,269	1,414	229	236	602	1,748	3,270	4,957	8,840	3,685
Above Normal (25%)	11,867	12,527	8,602	480	234	213	523	1,284	3,774	5,964	8,863	6,028
Below Normal (6%)	6,235	5,909	8,015	4,913	1,468	725	1,428	2,536	3,722	7,728	10,539	13,316
Dry (13%)	6,102	6,544	7,729	7,202	4,675	2,567	2,774	4,435	6,783	8,919	9,962	12,274
Critical (25%)	8,569	8,524	9,756	6,072	5,661	5,075	5,291	7,902	10,687	11,584	12,163	12,658

Alternative 5 (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-394	-1,491	-1,146	-347	-1,171	**121**	**342**	**648**	**715**	**1,097**	**1,026**	-235
20%	**133**	-1,668	-609	-10	**565**	**312**	**14**	**669**	**617**	**2,315**	**1,812**	-231
30%	-832	-2,062	-1,506	**120**	**441**	**439**	**300**	**337**	**906**	**911**	**1,472**	-147
40%	-2,540	-3,121	**414**	-434	-266	**593**	**518**	**378**	**612**	**872**	**680**	-57
50%	-2,580	-767	-65	**145**	**213**	**348**	**370**	**556**	**617**	**819**	**1,455**	-247
60%	-49	-490	-87	**1,230**	**313**	**194**	**253**	**161**	**884**	**1,513**	**1,707**	-303
70%	**17**	-297	-192	**30**	**12**	**15**	**207**	**433**	**296**	**1,942**	**1,844**	-15
80%	**81**	**114**	**328**	**51**	**23**	**6**	**119**	**429**	**340**	**1,648**	**1,484**	**179**
90%	**54**	**141**	-1	**5**	**4**	**6**	**12**	**110**	**80**	**2,018**	**1,393**	**300**
Long Term												
Full Simulation Period[a]	-698	-891	-383	-146	-128	**209**	**229**	**386**	**535**	**1,289**	**1,427**	-91
Water Year Types[b]												
Wet (31%)	**191**	-115	**103**	**337**	**10**	**9**	**94**	**291**	**262**	**1,433**	**1,759**	**293**
Above Normal (25%)	-648	-14	-1,197	-144	**8**	**5**	**100**	**293**	**301**	**1,914**	**1,658**	-15
Below Normal (6%)	-49	-490	-538	**15**	**228**	**194**	**246**	**440**	**340**	**361**	**1,219**	**913**
Dry (13%)	**130**	-374	**74**	**221**	**234**	**503**	**333**	**349**	**578**	**1,255**	**1,338**	**115**
Critical (25%)	-2,223	-2,357	-782	-858	-655	**217**	**301**	**519**	**851**	**1,135**	**1,183**	-793

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-38-22. Sacramento River at Mallard Slough, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	13,228	14,006	13,056	8,727	8,514	5,581	5,145	7,755	10,610	10,994	11,682	13,518
20%	12,485	12,683	11,953	7,995	4,776	4,232	4,809	6,713	8,320	9,136	10,380	13,182
30%	12,259	12,426	10,108	6,172	4,395	2,992	3,446	4,760	6,910	8,985	9,790	12,839
40%	11,848	12,167	8,038	5,746	4,018	1,531	2,286	4,662	6,567	8,521	9,320	12,403
50%	11,440	9,466	7,777	5,019	2,235	1,459	1,627	3,923	5,750	7,585	8,141	12,113
60%	6,284	6,399	7,472	3,683	1,154	531	1,141	2,423	4,903	5,291	7,833	11,425
70%	4,405	5,130	6,650	1,365	252	256	694	2,081	4,419	4,519	7,305	6,043
80%	2,881	3,656	3,651	327	212	205	513	1,312	3,382	4,120	7,212	4,051
90%	2,840	1,983	220	212	208	204	224	480	2,493	3,305	7,119	3,222
Long Term												
Full Simulation Period[a]	8,694	8,518	7,508	4,564	3,244	2,150	2,423	3,948	6,023	7,029	8,841	9,622
Water Year Types[b]												
Wet (31%)	7,485	5,684	2,165	1,077	218	227	508	1,458	3,009	3,524	7,082	3,392
Above Normal (25%)	12,515	12,541	9,799	624	226	207	423	990	3,472	4,050	7,204	6,043
Below Normal (6%)	6,284	6,399	8,552	4,898	1,240	531	1,182	2,097	3,382	7,367	9,320	12,403
Dry (13%)	5,972	6,918	7,655	6,981	4,441	2,064	2,441	4,087	6,205	7,664	8,624	12,159
Critical (25%)	10,792	10,881	10,538	6,931	6,316	4,858	4,990	7,383	9,836	10,449	10,980	13,451

Alternative 6A,6B,6C (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9,949	9,577	6,953	5,030	5,365	3,890	5,055	7,556	10,120	12,573	12,030	10,884
20%	8,510	7,669	6,475	3,531	3,465	2,564	3,998	6,831	8,704	11,291	11,356	10,385
30%	7,496	6,773	5,394	3,373	2,217	2,056	2,773	4,930	7,501	10,691	10,741	9,472
40%	7,098	6,359	4,477	2,018	1,787	1,411	2,368	4,742	7,073	9,926	10,138	8,935
50%	6,773	5,717	3,597	1,917	1,047	1,148	1,645	4,021	6,339	9,394	9,403	8,516
60%	5,156	4,977	3,223	1,408	636	500	1,200	2,491	5,077	7,287	8,334	7,879
70%	3,989	3,360	2,854	817	293	294	819	2,000	3,925	5,974	7,042	5,872
80%	2,813	2,588	1,092	242	233	221	557	1,374	3,162	5,472	6,715	3,651
90%	2,739	1,644	204	235	228	216	268	550	2,310	4,979	6,475	3,162
Long Term												
Full Simulation Period[a]	6,161	5,472	4,001	2,488	2,046	1,679	2,327	3,964	6,068	8,465	9,005	7,637
Water Year Types[b]												
Wet (31%)	4,680	2,861	846	523	240	240	545	1,454	2,946	4,314	5,877	3,237
Above Normal (25%)	9,157	8,635	4,566	358	261	239	521	1,050	3,020	5,704	6,819	5,872
Below Normal (6%)	5,156	4,977	4,880	1,992	636	500	1,200	2,085	3,162	7,287	8,334	7,879
Dry (13%)	5,041	4,835	3,904	2,838	2,379	1,423	2,090	4,223	6,760	9,711	10,072	8,994
Critical (25%)	7,245	6,905	6,201	4,732	4,222	3,846	4,891	7,306	9,812	12,130	11,664	10,727

Alternative 6A,6B,6C (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-3,279	-4,429	-6,103	-3,697	-3,148	-1,691	-90	-199	-489	**1,579**	**348**	-2,634
20%	-3,975	-5,014	-5,478	-4,464	-1,310	-1,668	-810	**118**	**384**	**2,154**	**976**	-2,797
30%	-4,763	-5,653	-4,714	-2,798	-2,178	-936	-673	**170**	**591**	**1,706**	**951**	-3,367
40%	-4,750	-5,808	-3,561	-3,728	-2,231	-120	**82**	**80**	**506**	**1,405**	**818**	-3,468
50%	-4,666	-3,748	-4,179	-3,101	-1,187	-312	**19**	**98**	**589**	**1,809**	**1,262**	-3,597
60%	-1,128	-1,422	-4,250	-2,275	-518	-31	**59**	**68**	**174**	**1,995**	**500**	-3,547
70%	-416	-1,770	-3,796	-549	**40**	**39**	**125**	-81	-494	**1,455**	-263	-171
80%	-69	-1,067	-2,558	-85	**20**	**16**	**44**	**62**	-219	**1,352**	-497	-400
90%	-101	-339	-16	**23**	**21**	**12**	**45**	**70**	-183	**1,674**	-644	-61
Long Term												
Full Simulation Period[a]	-2,533	-3,046	-3,507	-2,076	-1,198	-471	-96	**16**	**45**	**1,436**	**165**	-1,985
Water Year Types[b]												
Wet (31%)	-2,805	-2,822	-1,319	-554	**22**	**14**	**37**	-4	-62	**790**	-1,204	-155
Above Normal (25%)	-3,359	-3,906	-5,233	-267	**35**	**32**	**98**	**59**	-452	**1,654**	-385	-171
Below Normal (6%)	-1,128	-1,422	-3,673	-2,906	-603	-31	**18**	-12	-219	-81	-987	-4,524
Dry (13%)	-931	-2,083	-3,751	-4,143	-2,062	-641	-351	**136**	**555**	**2,047**	**1,448**	-3,165
Critical (25%)	-3,547	-3,976	-4,337	-2,198	-2,094	-1,012	-99	-77	-25	**1,681**	**684**	-2,724

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-38-23. Sacramento River at Mallard Slough, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	13,228	14,006	13,056	8,727	8,514	5,581	5,145	7,755	10,610	10,994	11,682	13,518
20%	12,485	12,683	11,953	7,995	4,776	4,232	4,809	6,713	8,320	9,136	10,380	13,182
30%	12,259	12,426	10,108	6,172	4,395	2,992	3,446	4,760	6,910	8,985	9,790	12,839
40%	11,848	12,167	8,038	5,746	4,018	1,531	2,286	4,662	6,567	8,521	9,320	12,403
50%	11,440	9,466	7,777	5,019	2,235	1,459	1,627	3,923	5,750	7,585	8,141	12,113
60%	6,284	6,399	7,472	3,683	1,154	531	1,141	2,423	4,903	5,291	7,833	11,425
70%	4,405	5,130	6,650	1,365	252	256	694	2,081	4,419	4,519	7,305	6,043
80%	2,881	3,656	3,651	327	212	205	513	1,312	3,382	4,120	7,212	4,051
90%	2,840	1,983	220	212	208	204	224	480	2,493	3,305	7,119	3,222
Long Term												
Full Simulation Period[a]	8,694	8,518	7,508	4,564	3,244	2,150	2,423	3,948	6,023	7,029	8,841	9,622
Water Year Types[b]												
Wet (31%)	7,485	5,684	2,165	1,077	218	227	508	1,458	3,009	3,524	7,082	3,392
Above Normal (25%)	12,515	12,541	9,799	624	226	207	423	990	3,472	4,050	7,204	6,043
Below Normal (6%)	6,284	6,399	8,552	4,898	1,240	531	1,182	2,097	3,382	7,367	9,320	12,403
Dry (13%)	5,972	6,918	7,655	6,981	4,441	2,064	2,441	4,087	6,205	7,664	8,624	12,159
Critical (25%)	10,792	10,881	10,538	6,931	6,316	4,858	4,990	7,383	9,836	10,449	10,980	13,451

Alternative 7 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	11,623	9,518	7,296	5,003	5,290	3,688	4,833	6,822	8,037	11,208	12,076	12,964
20%	10,603	7,742	6,553	3,461	3,401	2,487	3,907	6,582	7,419	10,425	11,654	12,738
30%	10,305	7,632	4,957	3,311	2,209	1,997	2,669	4,970	6,809	9,855	11,156	12,518
40%	10,104	7,069	4,304	2,102	1,708	1,382	2,350	4,729	6,671	9,712	10,036	12,450
50%	9,103	6,013	3,538	2,039	999	1,048	1,556	3,948	5,705	8,615	9,578	12,062
60%	5,248	5,046	3,357	1,555	759	520	1,122	2,445	4,670	7,276	9,249	11,924
70%	3,698	3,269	2,893	793	283	291	816	1,977	3,415	5,976	9,110	6,108
80%	2,816	2,646	1,153	236	223	217	549	1,383	2,786	5,628	9,038	4,290
90%	2,583	1,700	201	226	218	214	264	511	2,192	5,252	8,858	3,642
Long Term												
Full Simulation Period[a]	7,417	5,689	4,015	2,487	2,014	1,621	2,259	3,744	5,251	8,076	10,140	9,554
Water Year Types[b]												
Wet (31%)	5,903	2,975	880	555	234	242	545	1,452	2,645	4,862	9,034	3,774
Above Normal (25%)	11,476	8,506	4,179	345	249	230	521	1,026	2,569	5,516	9,059	6,108
Below Normal (6%)	5,248	5,264	4,913	2,102	759	520	1,122	2,006	3,224	7,749	10,036	12,048
Dry (13%)	5,164	4,930	3,894	2,855	2,331	1,350	2,012	4,182	6,361	9,049	9,722	12,672
Critical (25%)	9,243	7,426	6,374	4,673	4,140	3,718	4,752	6,663	7,926	10,957	11,811	12,563

Alternative 7 (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-1,605	-4,488	-5,759	-3,724	-3,224	-1,893	-312	-933	-2,573	**214**	**394**	-554
20%	-1,882	-4,941	-5,400	-4,534	-1,375	-1,745	-902	-131	-901	**1,288**	**1,274**	-444
30%	-1,953	-4,794	-5,151	-2,860	-2,186	-995	-777	**210**	-101	**870**	**1,367**	-321
40%	-1,744	-5,097	-3,734	-3,644	-2,310	-149	**64**	**67**	**105**	**1,191**	**716**	**48**
50%	-2,336	-3,453	-4,238	-2,980	-1,236	-411	-70	**26**	-45	**1,030**	**1,437**	-51
60%	-1,036	-1,353	-4,115	-2,128	-395	-11	-19	**22**	-233	**1,985**	**1,416**	**498**
70%	-707	-1,861	-3,757	-572	**31**	**36**	**122**	-104	-1,004	**1,458**	**1,806**	**65**
80%	-65	-1,010	-2,497	-90	**11**	**13**	**36**	**71**	-595	**1,508**	**1,826**	**240**
90%	-257	-283	-19	**14**	**10**	**10**	**40**	**30**	-301	**1,947**	**1,739**	**419**
Long Term												
Full Simulation Period[a]	-1,276	-2,829	-3,493	-2,077	-1,231	-529	-164	-204	-772	**1,047**	**1,299**	-68
Water Year Types[b]												
Wet (31%)	-1,582	-2,709	-1,285	-522	**15**	**15**	**37**	-6	-364	**1,338**	**1,953**	**382**
Above Normal (25%)	-1,039	-4,036	-5,620	-279	**23**	**23**	**98**	**36**	-903	**1,466**	**1,855**	**65**
Below Normal (6%)	-1,036	-1,135	-3,639	-2,796	-481	-11	-60	-91	-158	**381**	**716**	-354
Dry (13%)	-808	-1,988	-3,761	-4,125	-2,109	-714	-429	**95**	**156**	**1,385**	**1,098**	**513**
Critical (25%)	-1,549	-3,455	-4,164	-2,258	-2,176	-1,140	-238	-720	-1,910	**508**	**831**	-888

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-38-24. Sacramento River at Mallard Slough, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	13,228	14,006	13,056	8,727	8,514	5,581	5,145	7,755	10,610	10,994	11,682	13,518
20%	12,485	12,683	11,953	7,995	4,776	4,232	4,809	6,713	8,320	9,136	10,380	13,182
30%	12,259	12,426	10,108	6,172	4,395	2,992	3,446	4,760	6,910	8,985	9,790	12,839
40%	11,848	12,167	8,038	5,746	4,018	1,531	2,286	4,662	6,567	8,521	9,320	12,403
50%	11,440	9,466	7,777	5,019	2,235	1,459	1,627	3,923	5,750	7,585	8,141	12,113
60%	6,284	6,399	7,472	3,683	1,154	531	1,141	2,423	4,903	5,291	7,833	11,425
70%	4,405	5,130	6,650	1,365	252	256	694	2,081	4,419	4,519	7,305	6,043
80%	2,881	3,656	3,651	327	212	205	513	1,312	3,382	4,120	7,212	4,051
90%	2,840	1,983	220	212	208	204	224	480	2,493	3,305	7,119	3,222
Long Term												
Full Simulation Period[a]	8,694	8,518	7,508	4,564	3,244	2,150	2,423	3,948	6,023	7,029	8,841	9,622
Water Year Types[b]												
Wet (31%)	7,485	5,684	2,165	1,077	218	227	508	1,458	3,009	3,524	7,082	3,392
Above Normal (25%)	12,515	12,541	9,799	624	226	207	423	990	3,472	4,050	7,204	6,043
Below Normal (6%)	6,284	6,399	8,552	4,898	1,240	531	1,182	2,097	3,382	7,367	9,320	12,403
Dry (13%)	5,972	6,918	7,655	6,981	4,441	2,064	2,441	4,087	6,205	7,664	8,624	12,159
Critical (25%)	10,792	10,881	10,538	6,931	6,316	4,858	4,990	7,383	9,836	10,449	10,980	13,451

Alternative 8 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	12,421	10,281	7,265	4,989	4,844	2,404	3,658	5,846	7,552	11,054	11,978	13,460
20%	12,218	9,351	7,047	3,556	3,324	2,069	3,287	4,894	6,589	9,907	11,914	13,097
30%	10,796	7,438	5,283	3,012	1,742	1,718	1,645	4,445	6,405	9,836	11,463	12,752
40%	10,137	7,051	4,406	1,936	1,377	980	1,400	3,353	6,062	9,814	11,082	12,593
50%	9,877	6,039	3,583	1,785	822	666	1,137	2,902	5,348	8,983	10,778	12,499
60%	4,998	5,161	3,381	1,133	568	452	856	1,751	4,306	7,871	10,579	12,338
70%	3,778	3,800	2,977	746	282	293	606	1,354	3,173	5,785	9,383	6,097
80%	2,821	2,624	1,112	233	223	217	475	1,125	2,654	5,471	9,134	4,017
90%	2,685	1,693	201	227	214	213	247	423	2,156	5,213	8,760	3,659
Long Term												
Full Simulation Period[a]	7,698	5,948	4,120	2,395	1,846	1,325	1,786	3,086	4,955	8,077	10,519	9,752
Water Year Types[b]												
Wet (31%)	6,301	3,165	893	450	234	243	468	1,135	2,475	4,712	8,895	3,703
Above Normal (25%)	11,171	8,577	4,524	347	243	228	419	832	2,494	5,493	9,139	6,097
Below Normal (6%)	4,998	5,161	4,900	1,936	568	452	856	1,149	2,976	7,871	10,795	13,097
Dry (13%)	5,660	5,419	4,024	2,658	1,875	923	1,294	3,498	6,224	9,429	10,980	13,234
Critical (25%)	9,596	7,702	6,461	4,651	4,009	3,126	3,965	5,606	7,305	10,761	11,947	12,600

Alternative 8 (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-807	-3,725	-5,791	-3,738	-3,670	-3,177	-1,487	-1,909	-3,058	**60**	**295**	-58
20%	-267	-3,332	-4,906	-4,438	-1,452	-2,163	-1,522	-1,819	-1,731	**770**	**1,534**	-85
30%	-1,462	-4,989	-4,825	-3,160	-2,652	-1,274	-1,801	-315	-505	**851**	**1,673**	-88
40%	-1,710	-5,116	-3,632	-3,810	-2,641	-551	-886	-1,310	-505	**1,293**	**1,762**	**190**
50%	-1,563	-3,426	-4,194	-3,234	-1,413	-793	-489	-1,020	-402	**1,398**	**2,637**	**386**
60%	-1,286	-1,238	-4,092	-2,550	-587	-79	-285	-673	-597	**2,580**	**2,746**	**913**
70%	-627	-1,330	-3,673	-619	**30**	**37**	-88	-727	-1,246	**1,266**	**2,078**	**54**
80%	-60	-1,032	-2,538	-94	**11**	**12**	-38	-187	-728	**1,351**	**1,922**	-33
90%	-155	-289	-19	**15**	**6**	**9**	**24**	-57	-337	**1,907**	**1,641**	**437**
Long Term												
Full Simulation Period[a]	-996	-2,571	-3,387	-2,170	-1,398	-825	-638	-862	-1,067	**1,048**	**1,679**	**131**
Water Year Types[b]												
Wet (31%)	-1,183	-2,518	-1,273	-627	**15**	**16**	-39	-322	-533	**1,188**	**1,814**	**311**
Above Normal (25%)	-1,345	-3,964	-5,275	-278	**17**	**21**	-4	-158	-978	**1,443**	**1,935**	**54**
Below Normal (6%)	-1,286	-1,238	-3,653	-2,962	-672	-79	-326	-947	-405	**504**	**1,475**	**694**
Dry (13%)	-312	-1,499	-3,631	-4,323	-2,565	-1,141	-1,146	-589	**19**	**1,765**	**2,356**	**1,075**
Critical (25%)	-1,196	-3,179	-4,076	-2,280	-2,307	-1,732	-1,025	-1,777	-2,531	**312**	**967**	-851

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-38-25. Sacramento River at Mallard Slough, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	13,228	14,006	13,056	8,727	8,514	5,581	5,145	7,755	10,610	10,994	11,682	13,518
20%	12,485	12,683	11,953	7,995	4,776	4,232	4,809	6,713	8,320	9,136	10,380	13,182
30%	12,259	12,426	10,108	6,172	4,395	2,992	3,446	4,760	6,910	8,985	9,790	12,839
40%	11,848	12,167	8,038	5,746	4,018	1,531	2,286	4,662	6,567	8,521	9,320	12,403
50%	11,440	9,466	7,777	5,019	2,235	1,459	1,627	3,923	5,750	7,585	8,141	12,113
60%	6,284	6,399	7,472	3,683	1,154	531	1,141	2,423	4,903	5,291	7,833	11,425
70%	4,405	5,130	6,650	1,365	252	256	694	2,081	4,419	4,519	7,305	6,043
80%	2,881	3,656	3,651	327	212	205	513	1,312	3,382	4,120	7,212	4,051
90%	2,840	1,983	220	212	208	204	224	480	2,493	3,305	7,119	3,222
Long Term												
Full Simulation Period[a]	8,694	8,518	7,508	4,564	3,244	2,150	2,423	3,948	6,023	7,029	8,841	9,622
Water Year Types[b]												
Wet (31%)	7,485	5,684	2,165	1,077	218	227	508	1,458	3,009	3,524	7,082	3,392
Above Normal (25%)	12,515	12,541	9,799	624	226	207	423	990	3,472	4,050	7,204	6,043
Below Normal (6%)	6,284	6,399	8,552	4,898	1,240	531	1,182	2,097	3,382	7,367	9,320	12,403
Dry (13%)	5,972	6,918	7,655	6,981	4,441	2,064	2,441	4,087	6,205	7,664	8,624	12,159
Critical (25%)	10,792	10,881	10,538	6,931	6,316	4,858	4,990	7,383	9,836	10,449	10,980	13,451

Alternative 9 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	14,385	15,035	14,229	11,194	8,899	5,241	5,186	8,039	10,490	11,437	11,261	13,044
20%	13,910	13,874	13,120	7,727	7,067	4,402	3,868	6,936	8,693	10,997	10,781	12,960
30%	13,489	13,700	11,115	6,676	3,978	2,976	3,088	3,911	6,490	9,865	10,038	12,520
40%	13,056	13,524	9,362	5,417	3,326	1,782	2,501	3,614	5,915	9,621	9,881	12,427
50%	12,053	10,373	7,875	4,507	2,096	1,315	2,003	3,492	5,596	8,640	9,613	12,028
60%	6,064	6,102	7,530	4,139	888	420	1,592	3,017	5,157	7,739	8,983	11,512
70%	4,219	4,838	6,472	1,275	253	248	932	2,808	4,097	6,622	8,763	6,308
80%	2,927	3,607	3,520	397	224	206	621	1,933	3,784	5,006	8,623	4,172
90%	2,834	2,030	206	223	211	204	234	548	2,807	4,690	8,164	3,502
Long Term												
Full Simulation Period[a]	9,206	9,135	8,067	5,019	3,414	2,177	2,491	3,874	5,884	8,223	9,590	9,556
Water Year Types[b]												
Wet (31%)	7,483	5,806	2,490	1,197	221	218	656	1,874	2,970	4,708	8,418	3,621
Above Normal (25%)	14,096	14,415	11,115	584	236	217	528	1,360	3,673	5,526	8,382	6,308
Below Normal (6%)	6,064	6,102	8,213	4,316	888	420	1,592	3,017	3,784	7,739	10,043	12,992
Dry (13%)	6,368	7,342	8,337	6,853	4,114	1,901	2,270	3,357	5,833	9,252	9,785	12,395
Critical (25%)	11,528	11,729	11,065	8,524	7,186	5,101	5,101	7,066	9,560	11,387	10,764	12,645

Alternative 9 (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	**1,157**	**1,029**	**1,173**	**2,467**	**386**	-339	**41**	**284**	-120	**444**	-421	-475
20%	**1,425**	**1,191**	**1,167**	-267	**2,292**	**170**	-940	**224**	**373**	**1,861**	**401**	-222
30%	**1,230**	**1,274**	**1,007**	**504**	-416	-16	-358	-848	-420	**879**	**249**	-319
40%	**1,208**	**1,357**	**1,325**	-329	-692	**251**	**215**	-1,048	-651	**1,100**	**560**	**24**
50%	**614**	**908**	**98**	-512	-138	-144	**376**	-431	-154	**1,055**	**1,472**	-85
60%	-220	-297	**57**	**456**	-266	-111	**451**	**594**	**254**	**2,448**	**1,150**	**87**
70%	-186	-292	-178	-91	**0**	-8	**237**	**728**	-321	**2,104**	**1,458**	**266**
80%	**46**	-49	-131	**70**	**12**	**1**	**108**	**621**	**402**	**887**	**1,411**	**122**
90%	-6	**47**	-14	**11**	**4**	0	**10**	**67**	**314**	**1,385**	**1,045**	**279**
Long Term												
Full Simulation Period[a]	**513**	**617**	**560**	**455**	**170**	**27**	**68**	-74	-139	**1,194**	**749**	-66
Water Year Types[b]												
Wet (31%)	-2	**122**	**324**	**120**	**2**	-9	**148**	**416**	-38	**1,185**	**1,337**	**229**
Above Normal (25%)	**1,580**	**1,874**	**1,316**	-41	**10**	**10**	**105**	**369**	**201**	**1,476**	**1,177**	**266**
Below Normal (6%)	-220	-297	-339	-582	-352	-111	**409**	**921**	**402**	**372**	**722**	**590**
Dry (13%)	**396**	**424**	**682**	-127	-327	-163	-171	-730	-372	**1,588**	**1,162**	**236**
Critical (25%)	**736**	**848**	**527**	**1,593**	**870**	**243**	**111**	-318	-276	**938**	-216	-806

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

C.39. Sacramento River at Port Chicago Salinity

Table C-39-1. Sacramento River at Port Chicago, Monthly EC

Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	18,815	18,574	17,499	15,770	13,955	9,056	9,795	12,210	15,475	16,881	17,176	18,249
20%	18,380	18,236	17,360	13,964	11,874	8,135	8,796	11,387	13,854	16,043	16,859	18,138
30%	18,197	18,091	17,241	12,325	8,545	5,808	6,638	10,935	12,609	14,928	15,990	17,741
40%	18,173	17,881	16,230	9,256	8,381	3,616	5,121	8,000	11,040	13,982	15,459	17,090
50%	17,671	17,702	14,838	8,312	3,853	2,455	3,644	6,969	10,882	13,913	14,774	16,849
60%	16,983	17,360	13,905	7,663	1,848	1,165	2,912	5,350	8,978	11,769	14,185	16,550
70%	16,453	14,476	12,998	3,136	550	570	2,085	3,374	7,058	10,449	13,572	16,215
80%	16,331	9,405	4,859	696	258	252	1,371	2,963	6,195	9,527	13,315	15,732
90%	8,416	4,642	225	247	212	207	296	986	3,667	8,451	12,975	11,997
Long Term												
Full Simulation Period[a]	15,823	14,375	12,268	8,003	5,739	3,899	4,746	6,954	9,789	12,441	14,393	15,681
Water Year Types[b]												
Wet (31%)	11,574	7,489	3,635	2,094	346	372	1,167	2,229	4,649	7,361	10,812	10,792
Above Normal (25%)	18,544	17,592	14,803	1,338	299	258	1,063	2,468	5,483	9,335	13,397	15,803
Below Normal (6%)	16,508	17,360	17,443	9,256	1,848	1,165	3,081	3,377	7,275	11,769	14,185	17,090
Dry (13%)	17,107	15,626	13,845	11,413	8,333	3,972	4,980	8,107	11,265	14,108	15,151	16,912
Critical (25%)	16,969	16,998	15,863	12,418	10,932	8,665	9,228	12,322	14,944	16,548	17,092	18,278

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	18,324	18,595	18,167	14,600	14,062	11,236	10,711	13,078	16,240	16,711	17,385	18,799
20%	17,894	17,627	17,423	13,776	10,019	9,701	10,352	12,619	14,195	15,013	16,292	18,471
30%	17,547	17,545	15,545	11,625	9,659	7,002	8,423	10,235	12,634	14,644	15,712	18,304
40%	17,406	17,237	14,077	10,476	9,066	4,605	6,264	10,066	12,298	14,405	15,432	17,875
50%	16,920	13,899	13,275	9,210	5,971	3,769	5,178	8,902	11,429	13,370	14,508	17,527
60%	11,828	11,582	13,202	8,075	3,004	2,196	4,299	6,657	10,415	11,190	13,878	17,096
70%	9,531	9,991	12,040	3,445	944	1,052	2,899	6,120	9,618	9,948	13,130	11,896
80%	7,709	8,206	8,840	779	357	446	2,154	4,755	8,394	9,468	13,092	8,715
90%	7,535	5,485	551	465	298	282	622	2,020	6,609	8,268	12,779	8,103
Long Term												
Full Simulation Period[a]	13,821	12,917	11,950	8,105	6,285	4,772	5,772	8,182	11,085	12,514	14,717	14,911
Water Year Types[b]												
Wet (31%)	12,568	8,604	3,905	2,349	528	597	1,759	3,986	6,905	8,411	12,791	8,182
Above Normal (25%)	17,648	17,505	14,986	1,359	466	462	1,756	3,763	8,235	9,359	13,005	11,896
Below Normal (6%)	11,828	11,707	14,077	8,660	3,004	2,196	4,299	6,214	8,394	13,007	15,432	17,875
Dry (13%)	11,080	11,664	13,074	12,318	9,298	5,339	6,578	9,176	11,910	13,509	14,796	17,655
Critical (25%)	15,885	15,777	15,848	11,926	11,463	9,898	10,237	12,904	15,448	16,164	16,737	18,712

No Action Alternative (LLT) minus Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-491	**21**	**669**	-1,170	**108**	**2,181**	**916**	**867**	**765**	-170	**209**	**550**
20%	-486	-609	**63**	-188	-1,854	**1,566**	**1,556**	**1,232**	**341**	-1,030	-567	**333**
30%	-650	-547	-1,695	-700	**1,114**	**1,194**	**1,785**	-700	**25**	-284	-278	**564**
40%	-767	-643	-2,153	**1,220**	**684**	**989**	**1,144**	**2,066**	**1,258**	**423**	-27	**785**
50%	-751	-3,803	-1,563	**898**	**2,118**	**1,314**	**1,535**	**1,933**	**547**	-543	-266	**678**
60%	-5,155	-5,779	-703	**412**	**1,156**	**1,031**	**1,387**	**1,308**	**1,437**	-579	-307	**546**
70%	-6,922	-4,485	-958	**309**	**394**	**483**	**814**	**2,745**	**2,560**	-501	-442	-4,320
80%	-8,622	-1,199	**3,981**	**84**	**99**	**195**	**783**	**1,792**	**2,199**	-59	-223	-7,017
90%	-881	**843**	**327**	**218**	**86**	**75**	**327**	**1,034**	**2,942**	-183	-197	-3,894
Long Term												
Full Simulation Period[a]	-2,002	-1,457	-318	**102**	**546**	**873**	**1,026**	**1,228**	**1,297**	**74**	**324**	-771
Water Year Types[b]												
Wet (31%)	**993**	**1,115**	**270**	**254**	**183**	**224**	**592**	**1,757**	**2,256**	**1,050**	**1,978**	-2,610
Above Normal (25%)	-896	-86	**183**	**21**	**167**	**204**	**693**	**1,295**	**2,752**	**25**	-393	-3,907
Below Normal (6%)	-4,680	-5,653	-3,366	-596	**1,156**	**1,031**	**1,219**	**2,837**	**1,120**	**1,238**	**1,247**	**785**
Dry (13%)	-6,027	-3,963	-771	**904**	**964**	**1,367**	**1,598**	**1,070**	**645**	-598	-354	**743**
Critical (25%)	-1,085	-1,221	-15	-492	**531**	**1,233**	**1,009**	**582**	**504**	-384	-355	**433**

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

Table C-39-2. Sacramento River at Port Chicago, Monthly EC

Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	18,815	18,574	17,499	15,770	13,955	9,056	9,795	12,210	15,475	16,881	17,176	18,249
20%	18,380	18,236	17,360	13,964	11,874	8,135	8,796	11,387	13,854	16,043	16,859	18,138
30%	18,197	18,091	17,241	12,325	8,545	5,808	6,638	10,935	12,609	14,928	15,990	17,741
40%	18,173	17,881	16,230	9,256	8,381	3,616	5,121	8,000	11,040	13,982	15,459	17,090
50%	17,671	17,702	14,838	8,312	3,853	2,455	3,644	6,969	10,882	13,913	14,774	16,849
60%	16,983	17,360	13,905	7,663	1,848	1,165	2,912	5,350	8,978	11,769	14,185	16,550
70%	16,453	14,476	12,998	3,136	550	570	2,085	3,374	7,058	10,449	13,572	16,215
80%	16,331	9,405	4,859	696	258	252	1,371	2,963	6,195	9,527	13,315	15,732
90%	8,416	4,642	225	247	212	207	296	986	3,667	8,451	12,975	11,997
Long Term												
Full Simulation Period[a]	15,823	14,375	12,268	8,003	5,739	3,899	4,746	6,954	9,789	12,441	14,393	15,681
Water Year Types[b]												
Wet (31%)	11,574	7,489	3,635	2,094	346	372	1,167	2,229	4,649	7,361	10,812	10,792
Above Normal (25%)	18,544	17,592	14,803	1,338	299	258	1,063	2,468	5,483	9,335	13,397	15,803
Below Normal (6%)	16,508	17,360	17,443	9,256	1,848	1,165	3,081	3,377	7,275	11,769	14,185	17,090
Dry (13%)	17,107	15,626	13,845	11,413	8,333	3,972	4,980	8,107	11,265	14,108	15,151	16,912
Critical (25%)	16,969	16,998	15,863	12,418	10,932	8,665	9,228	12,322	14,944	16,548	17,092	18,278

Alternative 1A,1B,1C (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	17,825	17,856	17,071	14,364	12,341	10,898	11,112	13,845	16,764	17,730	18,042	18,537
20%	17,594	17,742	16,713	13,357	11,244	9,960	10,577	13,135	14,370	16,647	17,459	18,345
30%	17,186	16,348	16,081	11,812	10,687	7,517	8,327	10,358	13,100	15,389	16,879	18,047
40%	16,459	15,765	15,727	10,904	8,807	5,799	7,546	10,261	12,007	15,174	16,384	17,868
50%	15,683	14,294	14,918	9,742	6,385	4,629	6,558	10,198	11,391	14,006	15,884	17,660
60%	15,540	13,923	13,289	8,126	2,862	1,895	5,538	9,513	11,035	12,211	14,900	17,595
70%	13,174	12,196	13,028	3,974	844	948	3,240	6,859	10,192	11,677	14,724	17,378
80%	11,825	11,506	10,493	1,093	390	381	2,507	6,573	9,908	11,113	14,309	16,933
90%	11,088	6,880	461	409	301	267	644	2,762	6,507	10,540	14,111	16,023
Long Term												
Full Simulation Period[a]	14,904	13,463	12,315	8,168	6,219	4,955	6,222	8,973	11,409	13,602	15,868	17,244
Water Year Types[b]												
Wet (31%)	13,555	7,841	3,498	2,853	510	554	2,136	4,850	6,958	9,645	14,178	15,972
Above Normal (25%)	14,953	15,623	14,093	1,238	425	395	2,039	5,341	8,954	11,499	14,724	17,732
Below Normal (6%)	11,781	12,432	16,095	9,223	2,862	1,895	5,904	9,513	9,947	13,383	16,650	18,865
Dry (13%)	17,267	16,466	14,925	11,330	9,462	6,123	6,902	9,353	11,796	14,325	15,754	17,291
Critical (25%)	14,696	14,900	15,813	12,451	11,182	9,979	10,685	13,314	15,936	17,073	17,613	17,705

Alternative 1A,1B,1C (LLT) minus Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-990	-718	-428	-1,406	-1,614	**1,842**	**1,317**	**1,634**	**1,290**	**849**	**866**	**288**
20%	-785	-494	-647	-608	-630	**1,826**	**1,780**	**1,748**	**516**	**605**	**600**	**207**
30%	-1,011	-1,743	-1,160	-513	**2,142**	**1,709**	**1,690**	-577	**491**	**461**	**889**	**306**
40%	-1,714	-2,115	-503	**1,648**	**426**	**2,183**	**2,426**	**2,261**	**967**	**1,191**	**925**	**778**
50%	-1,988	-3,408	**79**	**1,430**	**2,532**	**2,174**	**2,914**	**3,229**	**510**	**92**	**1,110**	**811**
60%	-1,443	-3,438	-616	**463**	**1,014**	**729**	**2,626**	**4,163**	**2,056**	**442**	**716**	**1,046**
70%	-3,279	-2,280	**30**	**838**	**294**	**378**	**1,154**	**3,485**	**3,134**	**1,228**	**1,152**	**1,162**
80%	-4,506	**2,101**	**5,634**	**397**	**132**	**129**	**1,136**	**3,610**	**3,714**	**1,585**	**994**	**1,201**
90%	**2,672**	**2,238**	**237**	**162**	**89**	**60**	**349**	**1,776**	**2,840**	**2,089**	**1,136**	**4,025**
Long Term												
Full Simulation Period[a]	-919	-912	**47**	**165**	**481**	**1,057**	**1,477**	**2,019**	**1,621**	**1,161**	**1,475**	**1,563**
Water Year Types[b]												
Wet (31%)	**1,980**	**352**	-137	**759**	**164**	**182**	**968**	**2,620**	**2,309**	**2,284**	**3,365**	**5,181**
Above Normal (25%)	-3,590	-1,969	-710	-100	**126**	**138**	**976**	**2,873**	**3,471**	**2,165**	**1,327**	**1,929**
Below Normal (6%)	-4,727	-4,928	-1,348	-33	**1,014**	**729**	**2,823**	**6,136**	**2,673**	**1,614**	**2,465**	**1,775**
Dry (13%)	**160**	**839**	**1,081**	-83	**1,129**	**2,151**	**1,922**	**1,246**	**530**	**217**	**603**	**379**
Critical (25%)	-2,273	-2,098	-50	**33**	**250**	**1,314**	**1,458**	**992**	**992**	**525**	**521**	-574

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-39-3. Sacramento River at Port Chicago, Monthly EC

Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	18,815	18,574	17,499	15,770	13,955	9,056	9,795	12,210	15,475	16,881	17,176	18,249
20%	18,380	18,236	17,360	13,964	11,874	8,135	8,796	11,387	13,854	16,043	16,859	18,138
30%	18,197	18,091	17,241	12,325	8,545	5,808	6,638	10,935	12,609	14,928	15,990	17,741
40%	18,173	17,881	16,230	9,256	8,381	3,616	5,121	8,000	11,040	13,982	15,459	17,090
50%	17,671	17,702	14,838	8,312	3,853	2,455	3,644	6,969	10,882	13,913	14,774	16,849
60%	16,983	17,360	13,905	7,663	1,848	1,165	2,912	5,350	8,978	11,769	14,185	16,550
70%	16,453	14,476	12,998	3,136	550	570	2,085	3,374	7,058	10,449	13,572	16,215
80%	16,331	9,405	4,859	696	258	252	1,371	2,963	6,195	9,527	13,315	15,732
90%	8,416	4,642	225	247	212	207	296	986	3,667	8,451	12,975	11,997
Long Term												
Full Simulation Period[a]	15,823	14,375	12,268	8,003	5,739	3,899	4,746	6,954	9,789	12,441	14,393	15,681
Water Year Types[b]												
Wet (31%)	11,574	7,489	3,635	2,094	346	372	1,167	2,229	4,649	7,361	10,812	10,792
Above Normal (25%)	18,544	17,592	14,803	1,338	299	258	1,063	2,468	5,483	9,335	13,397	15,803
Below Normal (6%)	16,508	17,360	17,443	9,256	1,848	1,165	3,081	3,377	7,275	11,769	14,185	17,090
Dry (13%)	17,107	15,626	13,845	11,413	8,333	3,972	4,980	8,107	11,265	14,108	15,151	16,912
Critical (25%)	16,969	16,998	15,863	12,418	10,932	8,665	9,228	12,322	14,944	16,548	17,092	18,278

Alternative 2A,2B,2C (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	17,159	18,133	16,586	12,363	12,279	10,485	11,081	13,814	16,793	17,709	17,957	18,578
20%	15,415	16,169	14,476	11,286	10,198	9,800	10,467	12,919	14,481	16,765	17,637	18,167
30%	14,841	15,014	13,820	10,430	8,433	7,398	8,544	10,122	12,908	15,164	16,786	17,953
40%	14,574	14,143	13,176	9,044	7,674	5,327	7,104	9,977	11,906	14,936	16,143	17,402
50%	13,568	11,768	12,917	8,412	6,349	4,726	5,876	9,056	11,262	13,954	15,741	17,231
60%	10,948	10,777	12,276	7,956	3,316	2,853	4,671	6,691	11,004	12,290	15,037	15,934
70%	9,047	9,410	11,429	3,668	862	955	3,158	6,399	9,148	11,341	14,593	11,647
80%	7,419	7,797	7,074	879	363	381	2,356	5,210	8,556	11,275	14,513	8,500
90%	7,289	5,383	473	407	304	270	650	2,253	6,291	10,528	14,324	8,168
Long Term												
Full Simulation Period[a]	12,301	11,830	11,000	7,166	5,735	4,931	6,052	8,383	11,130	13,529	15,868	14,616
Water Year Types[b]												
Wet (31%)	10,761	7,970	3,580	2,460	504	558	1,881	4,260	6,841	9,718	14,305	8,193
Above Normal (25%)	15,108	15,836	13,518	1,198	445	399	2,004	4,043	7,790	11,101	14,553	11,647
Below Normal (6%)	10,948	11,099	13,744	8,133	3,316	2,853	4,810	6,691	8,573	13,035	16,525	18,770
Dry (13%)	10,464	11,347	11,506	10,241	8,685	6,062	6,839	9,001	11,712	14,373	15,888	17,540
Critical (25%)	14,150	13,847	14,974	10,666	10,158	9,754	10,626	13,260	15,941	16,971	17,496	17,774

Alternative 2A,2B,2C (LLT) minus Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-1,656	-442	-913	-3,407	-1,676	**1,429**	**1,286**	**1,603**	**1,318**	**829**	**781**	**329**
20%	-2,964	-2,067	-2,885	-2,678	-1,676	**1,665**	**1,671**	**1,531**	**627**	**722**	**777**	**29**
30%	-3,357	-3,078	-3,420	-1,895	-112	**1,590**	**1,906**	-813	**299**	**236**	**796**	**212**
40%	-3,599	-3,737	-3,054	-212	-707	**1,711**	**1,983**	**1,977**	**866**	**953**	**685**	**312**
50%	-4,102	-5,934	-1,922	**100**	**2,497**	**2,271**	**2,233**	**2,088**	**380**	**40**	**967**	**382**
60%	-6,035	-6,584	-1,630	**293**	**1,468**	**1,688**	**1,759**	**1,342**	**2,025**	**521**	**853**	-615
70%	-7,406	-5,066	-1,570	**532**	**312**	**386**	**1,073**	**3,025**	**2,090**	**892**	**1,021**	-4,569
80%	-8,912	-1,608	**2,215**	**183**	**105**	**130**	**985**	**2,247**	**2,361**	**1,748**	**1,197**	-7,232
90%	-1,127	**741**	**249**	**160**	**92**	**63**	**355**	**1,267**	**2,623**	**2,077**	**1,348**	-3,829
Long Term												
Full Simulation Period[a]	-3,522	-2,545	-1,268	-837	-4	**1,032**	**1,306**	**1,429**	**1,341**	**1,088**	**1,474**	-1,065
Water Year Types[b]												
Wet (31%)	-813	**481**	-55	**366**	**158**	**186**	**714**	**2,030**	**2,192**	**2,357**	**3,493**	-2,599
Above Normal (25%)	-3,436	-1,755	-1,285	-140	**146**	**141**	**941**	**1,575**	**2,307**	**1,767**	**1,155**	-4,156
Below Normal (6%)	-5,560	-6,261	-3,699	-1,123	**1,468**	**1,688**	**1,729**	**3,315**	**1,298**	**1,266**	**2,341**	**1,680**
Dry (13%)	-6,643	-4,279	-2,338	-1,172	**352**	**2,090**	**1,859**	**895**	**447**	**265**	**737**	**628**
Critical (25%)	-2,820	-3,151	-889	-1,752	-774	**1,089**	**1,398**	**938**	**997**	**423**	**404**	-505

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-39-4. Sacramento River at Port Chicago, Monthly EC

Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	18,815	18,574	17,499	15,770	13,955	9,056	9,795	12,210	15,475	16,881	17,176	18,249
20%	18,380	18,236	17,360	13,964	11,874	8,135	8,796	11,387	13,854	16,043	16,859	18,138
30%	18,197	18,091	17,241	12,325	8,545	5,808	6,638	10,935	12,609	14,928	15,990	17,741
40%	18,173	17,881	16,230	9,256	8,381	3,616	5,121	8,000	11,040	13,982	15,459	17,090
50%	17,671	17,702	14,838	8,312	3,853	2,455	3,644	6,969	10,882	13,913	14,774	16,849
60%	16,983	17,360	13,905	7,663	1,848	1,165	2,912	5,350	8,978	11,769	14,185	16,550
70%	16,453	14,476	12,998	3,136	550	570	2,085	3,374	7,058	10,449	13,572	16,215
80%	16,331	9,405	4,859	696	258	252	1,371	2,963	6,195	9,527	13,315	15,732
90%	8,416	4,642	225	247	212	207	296	986	3,667	8,451	12,975	11,997
Long Term												
Full Simulation Period[a]	15,823	14,375	12,268	8,003	5,739	3,899	4,746	6,954	9,789	12,441	14,393	15,681
Water Year Types[b]												
Wet (31%)	11,574	7,489	3,635	2,094	346	372	1,167	2,229	4,649	7,361	10,812	10,792
Above Normal (25%)	18,544	17,592	14,803	1,338	299	258	1,063	2,468	5,483	9,335	13,397	15,803
Below Normal (6%)	16,508	17,360	17,443	9,256	1,848	1,165	3,081	3,377	7,275	11,769	14,185	17,090
Dry (13%)	17,107	15,626	13,845	11,413	8,333	3,972	4,980	8,107	11,265	14,108	15,151	16,912
Critical (25%)	16,969	16,998	15,863	12,418	10,932	8,665	9,228	12,322	14,944	16,548	17,092	18,278

Alternative 3 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	17,989	17,703	17,231	13,488	12,042	10,846	11,165	13,972	16,703	17,664	18,024	18,490
20%	17,565	17,352	16,827	13,157	11,499	9,940	10,551	13,120	14,296	16,590	17,407	18,284
30%	17,239	16,647	16,364	12,488	10,566	7,053	8,227	10,391	13,049	15,243	16,755	18,090
40%	16,447	15,859	15,721	11,144	8,917	5,489	7,369	10,303	11,973	15,061	16,307	17,888
50%	15,138	14,210	14,453	9,262	6,171	4,093	6,548	10,184	11,691	14,040	15,802	17,658
60%	14,374	13,386	14,073	8,181	3,017	1,903	5,555	9,506	11,008	12,272	14,787	17,645
70%	13,128	12,231	13,068	3,742	834	946	3,210	6,917	10,263	11,787	14,563	17,189
80%	11,588	10,319	10,406	1,017	339	384	2,703	6,530	9,947	11,237	14,521	16,924
90%	10,554	6,787	436	399	291	266	640	2,834	6,513	10,384	14,263	16,364
Long Term												
Full Simulation Period[a]	14,711	13,301	12,397	7,977	6,031	4,828	6,219	9,010	11,437	13,595	15,843	17,261
Water Year Types[b]												
Wet (31%)	13,334	8,329	3,786	2,596	495	559	2,189	4,880	7,018	9,669	14,147	15,890
Above Normal (25%)	14,471	14,867	14,060	1,292	409	385	2,014	5,415	8,998	11,485	14,665	17,661
Below Normal (6%)	13,133	13,386	16,463	9,269	3,017	1,903	5,901	9,506	9,947	13,406	16,635	18,918
Dry (13%)	17,324	16,246	14,805	11,704	9,381	5,707	6,803	9,353	11,895	14,320	15,804	17,491
Critical (25%)	14,132	14,280	15,883	11,715	10,633	9,903	10,721	13,378	15,881	17,038	17,542	17,683

Alternative 3 (LLT) minus Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-827	-871	-268	-2,282	-1,913	**1,791**	**1,370**	**1,761**	**1,228**	**783**	**848**	**241**
20%	-815	-884	-534	-807	-375	**1,805**	**1,755**	**1,733**	**442**	**547**	**548**	**146**
30%	-958	-1,444	-877	**162**	**2,020**	**1,245**	**1,589**	-544	**440**	**314**	**766**	**349**
40%	-1,726	-2,022	-509	**1,888**	**536**	**1,872**	**2,248**	**2,303**	**933**	**1,079**	**848**	**798**
50%	-2,533	-3,492	-385	**950**	**2,318**	**1,638**	**2,904**	**3,215**	**809**	**127**	**1,029**	**809**
60%	-2,609	-3,975	**167**	**518**	**1,169**	**738**	**2,643**	**4,156**	**2,029**	**503**	**602**	**1,095**
70%	-3,325	-2,245	**70**	**606**	**283**	**377**	**1,124**	**3,543**	**3,205**	**1,338**	**991**	**974**
80%	-4,744	**913**	**5,547**	**321**	**81**	**133**	**1,333**	**3,567**	**3,752**	**1,709**	**1,206**	**1,192**
90%	**2,138**	**2,145**	**212**	**152**	**79**	**59**	**344**	**1,848**	**2,846**	**1,934**	**1,288**	**4,367**
Long Term												
Full Simulation Period[a]	-1,112	-1,074	**130**	-26	**292**	**929**	**1,473**	**2,056**	**1,649**	**1,154**	**1,449**	**1,580**
Water Year Types[b]												
Wet (31%)	**1,759**	**840**	**151**	**502**	**149**	**187**	**1,022**	**2,651**	**2,368**	**2,308**	**3,335**	**5,099**
Above Normal (25%)	-4,072	-2,725	-743	-46	**110**	**128**	**951**	**2,947**	**3,515**	**2,150**	**1,268**	**1,858**
Below Normal (6%)	-3,375	-3,975	-980	**14**	**1,169**	**738**	**2,820**	**6,130**	**2,672**	**1,637**	**2,451**	**1,827**
Dry (13%)	**217**	**620**	**960**	**290**	**1,048**	**1,735**	**1,822**	**1,246**	**630**	**213**	**653**	**579**
Critical (25%)	-2,837	-2,718	**20**	-703	-299	**1,238**	**1,494**	**1,056**	**937**	**490**	**450**	-596

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-39-5. Sacramento River at Port Chicago, Monthly EC

Existing Condition

Statistic	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	18,815	18,574	17,499	15,770	13,955	9,056	9,795	12,210	15,475	16,881	17,176	18,249
20%	18,380	18,236	17,360	13,964	11,874	8,135	8,796	11,387	13,854	16,043	16,859	18,138
30%	18,197	18,091	17,241	12,325	8,545	5,808	6,638	10,935	12,609	14,928	15,990	17,741
40%	18,173	17,881	16,230	9,256	8,381	3,616	5,121	8,000	11,040	13,982	15,459	17,090
50%	17,671	17,702	14,838	8,312	3,853	2,455	3,644	6,969	10,882	13,913	14,774	16,849
60%	16,983	17,360	13,905	7,663	1,848	1,165	2,912	5,350	8,978	11,769	14,185	16,550
70%	16,453	14,476	12,998	3,136	550	570	2,085	3,374	7,058	10,449	13,572	16,215
80%	16,331	9,405	4,859	696	258	252	1,371	2,963	6,195	9,527	13,315	15,732
90%	8,416	4,642	225	247	212	207	296	986	3,667	8,451	12,975	11,997
Long Term												
Full Simulation Period[a]	15,823	14,375	12,268	8,003	5,739	3,899	4,746	6,954	9,789	12,441	14,393	15,681
Water Year Types[b]												
Wet (31%)	11,574	7,489	3,635	2,094	346	372	1,167	2,229	4,649	7,361	10,812	10,792
Above Normal (25%)	18,544	17,592	14,803	1,338	299	258	1,063	2,468	5,483	9,335	13,397	15,803
Below Normal (6%)	16,508	17,360	17,443	9,256	1,848	1,165	3,081	3,377	7,275	11,769	14,185	17,090
Dry (13%)	17,107	15,626	13,845	11,413	8,333	3,972	4,980	8,107	11,265	14,108	15,151	16,912
Critical (25%)	16,969	16,998	15,863	12,418	10,932	8,665	9,228	12,322	14,944	16,548	17,092	18,278

Alternative 4 H1 (LLT)

Statistic	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	17,133	18,363	17,250	12,074	11,681	10,245	11,109	13,715	16,760	17,758	17,996	18,419
20%	16,835	16,666	16,589	11,014	9,730	10,053	10,549	12,941	14,259	16,577	17,686	18,222
30%	16,088	15,890	15,940	9,359	8,529	7,317	8,493	10,123	12,988	15,249	16,677	18,001
40%	15,720	15,050	15,009	9,068	7,487	5,299	6,870	10,008	12,400	15,071	16,108	17,755
50%	15,117	14,927	14,312	8,560	6,169	4,365	5,742	9,291	11,350	13,722	15,915	17,720
60%	15,093	14,757	13,329	7,541	3,066	2,326	4,588	6,700	11,016	12,282	14,695	17,381
70%	14,582	13,392	12,508	3,667	853	957	3,179	6,382	9,145	11,537	14,463	17,245
80%	13,618	10,771	6,639	862	338	383	2,334	5,297	8,225	11,286	14,416	16,960
90%	12,912	6,724	408	405	296	270	650	2,169	6,270	10,259	14,180	15,782
Long Term												
Full Simulation Period[a]	15,059	13,570	11,894	7,110	5,689	4,832	6,020	8,398	11,141	13,531	15,820	17,147
Water Year Types[b]												
Wet (31%)	13,165	7,888	3,511	2,358	498	563	1,877	4,205	6,814	9,696	14,178	15,950
Above Normal (25%)	15,456	16,120	13,641	1,166	426	391	2,016	4,089	7,835	11,085	14,463	17,568
Below Normal (6%)	13,618	13,752	16,589	8,833	3,066	2,326	4,588	6,700	8,225	12,769	16,455	18,753
Dry (13%)	16,369	15,379	13,579	10,256	8,513	5,841	6,785	9,121	11,922	14,313	15,755	16,957
Critical (25%)	15,658	15,613	15,614	10,429	10,212	9,718	10,610	13,238	15,884	17,106	17,600	17,766

Alternative 4 H1 (LLT) minus Existing Condition

Statistic	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-1,682	-211	-249	-3,695	-2,274	**1,189**	**1,315**	**1,504**	**1,285**	**877**	**820**	**170**
20%	-1,545	-1,570	-771	-2,951	-2,144	**1,919**	**1,753**	**1,554**	**405**	**534**	**827**	**84**
30%	-2,110	-2,202	-1,301	-2,966	-17	**1,509**	**1,856**	-812	**379**	**321**	**687**	**261**
40%	-2,453	-2,831	-1,221	-188	-894	**1,683**	**1,749**	**2,008**	**1,360**	**1,089**	**649**	**665**
50%	-2,553	-2,775	-526	**248**	**2,316**	**1,910**	**2,098**	**2,322**	**469**	-191	**1,141**	**870**
60%	-1,890	-2,604	-576	-122	**1,218**	**1,161**	**1,676**	**1,350**	**2,038**	**513**	**510**	**832**
70%	-1,871	-1,084	-490	**531**	**303**	**387**	**1,094**	**3,008**	**2,087**	**1,088**	**891**	**1,029**
80%	-2,713	**1,366**	**1,780**	**166**	**80**	**132**	**963**	**2,334**	**2,031**	**1,758**	**1,101**	**1,228**
90%	**4,496**	**2,082**	**183**	**157**	**84**	**63**	**355**	**1,183**	**2,603**	**1,809**	**1,205**	**3,785**
Long Term												
Full Simulation Period[a]	-763	-804	-374	-893	-50	**933**	**1,274**	**1,444**	**1,353**	**1,091**	**1,426**	**1,465**
Water Year Types[b]												
Wet (31%)	**1,591**	**399**	-125	**264**	**152**	**190**	**709**	**1,976**	**2,165**	**2,336**	**3,365**	**5,158**
Above Normal (25%)	-3,088	-1,471	-1,162	-172	**127**	**134**	**953**	**1,621**	**2,352**	**1,750**	**1,066**	**1,765**
Below Normal (6%)	-2,890	-3,609	-854	-422	**1,218**	**1,161**	**1,508**	**3,323**	**951**	**1,000**	**2,270**	**1,663**
Dry (13%)	-738	-247	-265	-1,157	**180**	**1,869**	**1,805**	**1,014**	**657**	**205**	**605**	**45**
Critical (25%)	-1,312	-1,385	-249	-1,989	-720	**1,053**	**1,382**	**916**	**940**	**558**	**508**	-512

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-39-6. Sacramento River at Port Chicago, Monthly EC

Existing Condition

Statistic	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	18,815	18,574	17,499	15,770	13,955	9,056	9,795	12,210	15,475	16,881	17,176	18,249
20%	18,380	18,236	17,360	13,964	11,874	8,135	8,796	11,387	13,854	16,043	16,859	18,138
30%	18,197	18,091	17,241	12,325	8,545	5,808	6,638	10,935	12,609	14,928	15,990	17,741
40%	18,173	17,881	16,230	9,256	8,381	3,616	5,121	8,000	11,040	13,982	15,459	17,090
50%	17,671	17,702	14,838	8,312	3,853	2,455	3,644	6,969	10,882	13,913	14,774	16,849
60%	16,983	17,360	13,905	7,663	1,848	1,165	2,912	5,350	8,978	11,769	14,185	16,550
70%	16,453	14,476	12,998	3,136	550	570	2,085	3,374	7,058	10,449	13,572	16,215
80%	16,331	9,405	4,859	696	258	252	1,371	2,963	6,195	9,527	13,315	15,732
90%	8,416	4,642	225	247	212	207	296	986	3,667	8,451	12,975	11,997
Long Term												
Full Simulation Period[a]	15,823	14,375	12,268	8,003	5,739	3,899	4,746	6,954	9,789	12,441	14,393	15,681
Water Year Types[b]												
Wet (31%)	11,574	7,489	3,635	2,094	346	372	1,167	2,229	4,649	7,361	10,812	10,792
Above Normal (25%)	18,544	17,592	14,803	1,338	299	258	1,063	2,468	5,483	9,335	13,397	15,803
Below Normal (6%)	16,508	17,360	17,443	9,256	1,848	1,165	3,081	3,377	7,275	11,769	14,185	17,090
Dry (13%)	17,107	15,626	13,845	11,413	8,333	3,972	4,980	8,107	11,265	14,108	15,151	16,912
Critical (25%)	16,969	16,998	15,863	12,418	10,932	8,665	9,228	12,322	14,944	16,548	17,092	18,278

Alternative 4 H2 (LLT)

Statistic	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	17,165	18,227	17,204	13,516	11,955	10,082	10,710	13,637	16,646	17,572	17,950	18,513
20%	16,895	17,341	16,725	12,570	9,952	9,511	10,400	12,604	14,363	16,717	17,887	18,457
30%	16,026	16,364	16,613	10,869	8,884	7,163	8,241	10,132	12,959	15,256	16,627	17,802
40%	15,994	15,477	16,162	9,701	8,012	5,232	6,971	9,991	12,403	15,037	16,396	17,598
50%	15,608	14,664	14,374	8,431	6,260	4,232	5,644	8,254	11,632	14,009	15,690	17,468
60%	14,888	13,971	13,208	7,048	2,839	2,261	3,335	6,199	9,348	12,863	14,987	17,350
70%	14,133	12,998	12,293	3,552	825	953	1,910	5,236	8,588	11,478	14,820	17,256
80%	13,814	10,466	6,200	790	346	378	977	2,865	7,463	11,194	14,757	17,017
90%	12,146	6,025	393	402	293	269	620	1,932	6,300	10,654	14,335	16,561
Long Term												
Full Simulation Period[a]	14,969	13,456	12,015	7,393	5,742	4,722	5,595	7,880	10,947	13,640	15,894	17,209
Water Year Types[b]												
Wet (31%)	13,308	7,711	3,548	2,450	498	561	1,080	3,093	6,210	9,656	14,234	15,603
Above Normal (25%)	15,224	15,855	13,203	1,067	401	388	966	2,637	7,266	11,365	14,813	17,467
Below Normal (6%)	17,116	17,341	16,725	8,203	2,839	2,261	4,479	6,199	8,299	13,010	16,528	18,781
Dry (13%)	15,957	15,052	13,825	10,946	8,831	5,697	6,656	9,151	12,057	14,603	15,867	17,755
Critical (25%)	14,976	15,040	15,923	10,874	10,183	9,495	10,433	13,127	15,852	17,092	17,549	17,638

Alternative 4 H2 (LLT) minus Existing Condition

Statistic	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-1,650	-347	-295	-2,253	-2,000	**1,026**	**915**	**1,427**	**1,171**	**692**	**774**	**264**
20%	-1,485	-895	-635	-1,394	-1,922	**1,376**	**1,604**	**1,217**	**509**	**674**	**1,027**	**319**
30%	-2,172	-1,727	-627	-1,457	**338**	**1,355**	**1,603**	-803	**350**	**328**	**638**	**62**
40%	-2,179	-2,404	-67	**445**	-369	**1,616**	**1,851**	**1,991**	**1,363**	**1,055**	**938**	**508**
50%	-2,062	-3,037	-465	**119**	**2,407**	**1,777**	**2,000**	**1,285**	**750**	**96**	**916**	**619**
60%	-2,095	-3,389	-697	-614	**991**	**1,096**	**423**	**849**	**369**	**1,094**	**803**	**800**
70%	-2,320	-1,478	-706	**416**	**275**	**383**	-176	**1,862**	**1,530**	**1,029**	**1,248**	**1,041**
80%	-2,517	**1,061**	**1,341**	**94**	**88**	**126**	-394	-98	**1,268**	**1,667**	**1,442**	**1,285**
90%	**3,729**	**1,383**	**169**	**155**	**81**	**62**	**324**	**947**	**2,633**	**2,204**	**1,360**	**4,564**
Long Term												
Full Simulation Period[a]	-854	-918	-253	-610	**3**	**823**	**849**	**926**	**1,159**	**1,199**	**1,501**	**1,527**
Water Year Types[b]												
Wet (31%)	**1,734**	**221**	-87	**356**	**152**	**188**	-87	**863**	**1,561**	**2,295**	**3,422**	**4,811**
Above Normal (25%)	-3,320	-1,737	-1,600	-270	**102**	**130**	-97	**169**	**1,783**	**2,030**	**1,416**	**1,665**
Below Normal (6%)	**608**	-19	-718	-1,052	**991**	**1,096**	**1,398**	**2,822**	**1,025**	**1,241**	**2,343**	**1,691**
Dry (13%)	-1,150	-574	-20	-468	**498**	**1,725**	**1,676**	**1,044**	**791**	**496**	**716**	**843**
Critical (25%)	-1,993	-1,958	**60**	-1,544	-750	**830**	**1,206**	**805**	**908**	**544**	**457**	-641

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-39-7. Sacramento River at Port Chicago, Monthly EC

Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	18,815	18,574	17,499	15,770	13,955	9,056	9,795	12,210	15,475	16,881	17,176	18,249
20%	18,380	18,236	17,360	13,964	11,874	8,135	8,796	11,387	13,854	16,043	16,859	18,138
30%	18,197	18,091	17,241	12,325	8,545	5,808	6,638	10,935	12,609	14,928	15,990	17,741
40%	18,173	17,881	16,230	9,256	8,381	3,616	5,121	8,000	11,040	13,982	15,459	17,090
50%	17,671	17,702	14,838	8,312	3,853	2,455	3,644	6,969	10,882	13,913	14,774	16,849
60%	16,983	17,360	13,905	7,663	1,848	1,165	2,912	5,350	8,978	11,769	14,185	16,550
70%	16,453	14,476	12,998	3,136	550	570	2,085	3,374	7,058	10,449	13,572	16,215
80%	16,331	9,405	4,859	696	258	252	1,371	2,963	6,195	9,527	13,315	15,732
90%	8,416	4,642	225	247	212	207	296	986	3,667	8,451	12,975	11,997
Long Term												
Full Simulation Period[a]	15,823	14,375	12,268	8,003	5,739	3,899	4,746	6,954	9,789	12,441	14,393	15,681
Water Year Types[b]												
Wet (31%)	11,574	7,489	3,635	2,094	346	372	1,167	2,229	4,649	7,361	10,812	10,792
Above Normal (25%)	18,544	17,592	14,803	1,338	299	258	1,063	2,468	5,483	9,335	13,397	15,803
Below Normal (6%)	16,508	17,360	17,443	9,256	1,848	1,165	3,081	3,377	7,275	11,769	14,185	17,090
Dry (13%)	17,107	15,626	13,845	11,413	8,333	3,972	4,980	8,107	11,265	14,108	15,151	16,912
Critical (25%)	16,969	16,998	15,863	12,418	10,932	8,665	9,228	12,322	14,944	16,548	17,092	18,278

Alternative 4 H3 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	17,330	18,116	16,145	12,332	12,584	10,456	11,076	13,796	16,781	17,775	17,965	18,508
20%	16,922	17,008	14,421	11,286	9,734	10,048	10,512	12,921	14,481	16,764	17,789	18,146
30%	15,839	15,710	13,525	9,825	8,911	7,318	8,519	10,127	12,915	15,429	16,812	17,763
40%	15,054	14,989	13,101	8,530	7,627	5,329	7,073	10,004	12,070	15,006	16,417	17,428
50%	13,271	11,440	12,789	8,237	6,227	4,406	5,834	9,097	11,366	13,863	15,885	17,125
60%	10,970	10,779	12,093	7,812	2,978	2,603	4,674	6,709	11,013	12,306	14,603	15,829
70%	8,999	9,087	11,415	3,540	851	959	3,185	6,409	9,164	11,379	14,560	11,597
80%	7,408	7,781	6,968	877	344	384	2,338	5,216	8,583	11,295	14,510	8,470
90%	7,273	5,379	427	404	299	270	650	2,170	6,254	10,244	14,317	8,123
Long Term												
Full Simulation Period[a]	12,484	11,949	10,859	7,032	5,770	4,902	6,052	8,383	11,153	13,555	15,886	14,553
Water Year Types[b]												
Wet (31%)	11,276	7,843	3,538	2,373	499	564	1,878	4,212	6,837	9,610	14,187	8,169
Above Normal (25%)	14,771	15,551	13,083	1,115	428	391	2,006	4,049	7,783	11,090	14,541	11,597
Below Normal (6%)	10,970	11,097	13,744	8,131	2,978	2,603	4,724	6,709	8,600	13,061	16,549	18,788
Dry (13%)	10,488	11,355	11,466	10,131	8,581	5,862	6,839	9,040	11,808	14,308	15,857	17,287
Critical (25%)	14,434	14,437	14,763	10,429	10,432	9,870	10,647	13,263	15,940	17,193	17,675	17,809

Alternative 4 H3 (LLT) minus Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-1,485	-458	-1,354	-3,438	-1,371	**1,401**	**1,281**	**1,585**	**1,306**	**895**	**789**	**259**
20%	-1,457	-1,228	-2,939	-2,679	-2,140	**1,913**	**1,716**	**1,533**	**627**	**721**	**929**	**9**
30%	-2,358	-2,381	-3,715	-2,500	**366**	**1,510**	**1,882**	-808	**306**	**500**	**822**	**22**
40%	-3,119	-2,892	-3,129	-726	-754	**1,712**	**1,952**	**2,004**	**1,030**	**1,024**	**958**	**337**
50%	-4,400	-6,262	-2,049	-75	**2,374**	**1,951**	**2,190**	**2,128**	**484**	-50	**1,111**	**275**
60%	-6,013	-6,581	-1,812	**149**	**1,130**	**1,437**	**1,761**	**1,359**	**2,035**	**537**	**418**	-720
70%	-7,454	-5,389	-1,584	**404**	**301**	**389**	**1,099**	**3,035**	**2,106**	**930**	**988**	-4,619
80%	-8,923	-1,624	**2,109**	**181**	**86**	**132**	**967**	**2,253**	**2,388**	**1,768**	**1,195**	-7,262
90%	-1,143	**738**	**202**	**157**	**87**	**63**	**354**	**1,184**	**2,587**	**1,793**	**1,341**	-3,874
Long Term												
Full Simulation Period[a]	-3,339	-2,426	-1,409	-971	**31**	**1,003**	**1,306**	**1,429**	**1,364**	**1,114**	**1,493**	-1,128
Water Year Types[b]												
Wet (31%)	-299	**354**	-97	**278**	**154**	**192**	**710**	**1,983**	**2,188**	**2,249**	**3,374**	-2,623
Above Normal (25%)	-3,772	-2,040	-1,720	-223	**129**	**134**	**943**	**1,581**	**2,300**	**1,755**	**1,144**	-4,206
Below Normal (6%)	-5,538	-6,264	-3,699	-1,124	**1,130**	**1,437**	**1,644**	**3,333**	**1,325**	**1,292**	**2,364**	**1,697**
Dry (13%)	-6,619	-4,271	-2,379	-1,283	**248**	**1,890**	**1,859**	**933**	**543**	**200**	**706**	**375**
Critical (25%)	-2,535	-2,561	-1,100	-1,989	-500	**1,205**	**1,420**	**942**	**996**	**645**	**583**	-469

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-39-8. Sacramento River at Port Chicago, Monthly EC

Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	18,815	18,574	17,499	15,770	13,955	9,056	9,795	12,210	15,475	16,881	17,176	18,249
20%	18,380	18,236	17,360	13,964	11,874	8,135	8,796	11,387	13,854	16,043	16,859	18,138
30%	18,197	18,091	17,241	12,325	8,545	5,808	6,638	10,935	12,609	14,928	15,990	17,741
40%	18,173	17,881	16,230	9,256	8,381	3,616	5,121	8,000	11,040	13,982	15,459	17,090
50%	17,671	17,702	14,838	8,312	3,853	2,455	3,644	6,969	10,882	13,913	14,774	16,849
60%	16,983	17,360	13,905	7,663	1,848	1,165	2,912	5,350	8,978	11,769	14,185	16,550
70%	16,453	14,476	12,998	3,136	550	570	2,085	3,374	7,058	10,449	13,572	16,215
80%	16,331	9,405	4,859	696	258	252	1,371	2,963	6,195	9,527	13,315	15,732
90%	8,416	4,642	225	247	212	207	296	986	3,667	8,451	12,975	11,997
Long Term												
Full Simulation Period[a]	15,823	14,375	12,268	8,003	5,739	3,899	4,746	6,954	9,789	12,441	14,393	15,681
Water Year Types[b]												
Wet (31%)	11,574	7,489	3,635	2,094	346	372	1,167	2,229	4,649	7,361	10,812	10,792
Above Normal (25%)	18,544	17,592	14,803	1,338	299	258	1,063	2,468	5,483	9,335	13,397	15,803
Below Normal (6%)	16,508	17,360	17,443	9,256	1,848	1,165	3,081	3,377	7,275	11,769	14,185	17,090
Dry (13%)	17,107	15,626	13,845	11,413	8,333	3,972	4,980	8,107	11,265	14,108	15,151	16,912
Critical (25%)	16,969	16,998	15,863	12,418	10,932	8,665	9,228	12,322	14,944	16,548	17,092	18,278

Alternative 4 H4 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	17,335	17,723	17,169	14,237	13,254	10,441	10,900	13,575	16,630	17,540	17,816	18,407
20%	16,247	16,605	15,499	12,562	11,667	9,864	10,362	12,607	14,364	16,720	17,582	17,592
30%	15,235	15,431	13,673	11,642	9,136	7,168	8,201	10,132	12,967	15,322	16,710	17,482
40%	13,828	13,770	13,074	8,751	7,608	5,533	6,928	10,010	12,424	15,219	16,341	17,323
50%	12,912	11,485	12,767	8,330	6,260	4,210	5,743	8,265	11,710	14,015	15,818	17,249
60%	10,865	10,816	11,858	7,833	2,878	2,584	3,357	6,210	9,458	12,568	15,101	17,146
70%	8,982	8,325	11,389	3,617	829	952	1,901	5,314	8,336	11,415	14,872	11,665
80%	7,374	7,803	6,961	786	355	382	977	2,865	7,497	11,180	14,729	8,458
90%	7,246	5,498	450	396	298	269	614	1,950	6,288	10,646	14,383	8,140
Long Term												
Full Simulation Period[a]	12,261	11,692	11,019	7,702	6,064	4,849	5,632	7,891	10,935	13,610	15,900	14,568
Water Year Types[b]												
Wet (31%)	10,835	7,538	3,543	2,449	501	561	1,075	3,132	6,236	9,620	14,296	8,160
Above Normal (25%)	14,957	15,580	13,254	1,097	407	389	961	2,654	7,275	11,360	14,872	11,665
Below Normal (6%)	10,865	11,085	13,725	7,993	2,878	2,584	4,625	6,210	7,794	12,568	16,341	18,779
Dry (13%)	10,442	11,322	11,703	10,341	8,700	5,689	6,672	9,160	12,093	14,673	15,937	17,835
Critical (25%)	14,057	13,879	15,017	12,377	11,305	9,845	10,516	13,113	15,860	17,062	17,477	17,400

Alternative 4 H4 (LLT) minus Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-1,480	-851	-329	-1,532	-701	**1,386**	**1,105**	**1,364**	**1,155**	**660**	**640**	**158**
20%	-2,133	-1,631	-1,861	-1,402	-206	**1,729**	**1,565**	**1,220**	**510**	**677**	**723**	-546
30%	-2,962	-2,661	-3,568	-683	**591**	**1,361**	**1,563**	-803	**358**	**394**	**721**	-258
40%	-4,345	-4,110	-3,156	-505	-773	**1,917**	**1,808**	**2,009**	**1,383**	**1,237**	**882**	**233**
50%	-4,759	-6,216	-2,072	**18**	**2,407**	**1,755**	**2,099**	**1,296**	**828**	**102**	**1,044**	**400**
60%	-6,117	-6,544	-2,047	**170**	**1,030**	**1,419**	**445**	**860**	**480**	**799**	**917**	**596**
70%	-7,471	-6,152	-1,609	**481**	**279**	**382**	-185	**1,940**	**1,278**	**966**	**1,300**	-4,550
80%	-8,957	-1,602	**2,102**	**90**	**97**	**130**	-393	-98	**1,302**	**1,652**	**1,414**	-7,274
90%	-1,171	**856**	**225**	**149**	**86**	**62**	**318**	**964**	**2,621**	**2,195**	**1,408**	-3,857
Long Term												
Full Simulation Period[a]	-3,562	-2,682	-1,249	-301	**325**	**950**	**886**	**937**	**1,146**	**1,169**	**1,507**	-1,114
Water Year Types[b]												
Wet (31%)	-740	**49**	-92	**355**	**155**	**188**	-92	**903**	**1,586**	**2,259**	**3,484**	-2,632
Above Normal (25%)	-3,587	-2,012	-1,549	-240	**108**	**131**	-102	**186**	**1,792**	**2,025**	**1,475**	-4,138
Below Normal (6%)	-5,643	-6,275	-3,718	-1,262	**1,030**	**1,419**	**1,544**	**2,833**	**520**	**799**	**2,156**	**1,689**
Dry (13%)	-6,665	-4,304	-2,142	-1,073	**367**	**1,717**	**1,692**	**1,054**	**828**	**565**	**786**	**923**
Critical (25%)	-2,912	-3,119	-846	-41	**373**	**1,180**	**1,288**	**791**	**917**	**514**	**385**	-879

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-39-9. Sacramento River at Port Chicago, Monthly EC

Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	18,815	18,574	17,499	15,770	13,955	9,056	9,795	12,210	15,475	16,881	17,176	18,249
20%	18,380	18,236	17,360	13,964	11,874	8,135	8,796	11,387	13,854	16,043	16,859	18,138
30%	18,197	18,091	17,241	12,325	8,545	5,808	6,638	10,935	12,609	14,928	15,990	17,741
40%	18,173	17,881	16,230	9,256	8,381	3,616	5,121	8,000	11,040	13,982	15,459	17,090
50%	17,671	17,702	14,838	8,312	3,853	2,455	3,644	6,969	10,882	13,913	14,774	16,849
60%	16,983	17,360	13,905	7,663	1,848	1,165	2,912	5,350	8,978	11,769	14,185	16,550
70%	16,453	14,476	12,998	3,136	550	570	2,085	3,374	7,058	10,449	13,572	16,215
80%	16,331	9,405	4,859	696	258	252	1,371	2,963	6,195	9,527	13,315	15,732
90%	8,416	4,642	225	247	212	207	296	986	3,667	8,451	12,975	11,997
Long Term												
Full Simulation Period[a]	15,823	14,375	12,268	8,003	5,739	3,899	4,746	6,954	9,789	12,441	14,393	15,681
Water Year Types[b]												
Wet (31%)	11,574	7,489	3,635	2,094	346	372	1,167	2,229	4,649	7,361	10,812	10,792
Above Normal (25%)	18,544	17,592	14,803	1,338	299	258	1,063	2,468	5,483	9,335	13,397	15,803
Below Normal (6%)	16,508	17,360	17,443	9,256	1,848	1,165	3,081	3,377	7,275	11,769	14,185	17,090
Dry (13%)	17,107	15,626	13,845	11,413	8,333	3,972	4,980	8,107	11,265	14,108	15,151	16,912
Critical (25%)	16,969	16,998	15,863	12,418	10,932	8,665	9,228	12,322	14,944	16,548	17,092	18,278

Alternative 5 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	17,954	17,657	17,249	14,481	12,971	11,152	10,811	13,452	16,570	17,433	17,932	18,362
20%	17,824	16,452	16,677	13,731	10,800	9,872	9,847	13,008	14,513	16,803	17,705	18,098
30%	16,854	15,665	14,200	11,159	9,925	7,602	8,517	10,276	13,211	15,167	16,758	17,831
40%	15,293	14,516	13,678	10,570	8,532	5,008	6,839	10,087	12,627	14,674	15,563	17,695
50%	14,485	12,841	13,196	9,986	6,276	4,114	5,570	9,343	11,688	13,804	15,482	17,222
60%	11,627	11,218	12,715	8,681	3,271	2,528	4,618	6,649	11,018	12,471	15,002	16,556
70%	9,360	9,855	11,817	3,419	830	946	3,108	6,484	9,665	11,697	14,819	11,570
80%	7,608	7,749	8,925	864	334	385	2,305	5,330	8,594	11,265	14,497	8,477
90%	7,327	5,464	428	390	290	262	575	2,155	6,460	10,516	13,916	8,038
Long Term												
Full Simulation Period[a]	13,114	12,112	11,502	7,972	6,115	4,929	5,900	8,409	11,329	13,533	15,769	14,596
Water Year Types[b]												
Wet (31%)	12,607	8,481	3,879	2,712	492	557	1,855	4,213	6,916	9,818	14,267	8,108
Above Normal (25%)	17,139	17,630	13,809	1,091	407	385	1,846	4,165	8,357	11,279	14,447	11,570
Below Normal (6%)	11,627	11,218	13,435	8,681	3,271	2,528	4,629	6,649	8,594	13,032	16,224	18,354
Dry (13%)	11,000	11,281	13,006	12,533	9,593	5,915	6,816	9,276	12,152	14,345	15,703	17,545
Critical (25%)	13,896	13,654	15,088	11,143	10,682	9,935	10,280	13,123	15,938	16,855	17,461	17,886

Alternative 5 (LLT) minus Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-862	-917	-249	-1,289	-983	**2,097**	**1,017**	**1,242**	**1,095**	**552**	**757**	**113**
20%	-555	-1,784	-683	-233	-1,074	**1,737**	**1,051**	**1,621**	**659**	**761**	**846**	-40
30%	-1,343	-2,426	-3,040	-1,166	**1,379**	**1,794**	**1,879**	-659	**602**	**239**	**769**	**90**
40%	-2,879	-3,365	-2,552	**1,315**	**151**	**1,392**	**1,718**	**2,087**	**1,587**	**692**	**104**	**604**
50%	-3,186	-4,861	-1,643	**1,674**	**2,423**	**1,659**	**1,926**	**2,374**	**807**	-109	**708**	**373**
60%	-5,355	-6,142	-1,190	**1,018**	**1,423**	**1,362**	**1,706**	**1,299**	**2,039**	**702**	**818**	**6**
70%	-7,094	-4,621	-1,181	**283**	**280**	**377**	**1,022**	**3,109**	**2,607**	**1,248**	**1,247**	-4,645
80%	-8,723	-1,656	**4,066**	**169**	**76**	**133**	**934**	**2,367**	**2,400**	**1,738**	**1,182**	-7,255
90%	-1,089	**822**	**203**	**142**	**78**	**55**	**279**	**1,170**	**2,792**	**2,065**	**940**	-3,959
Long Term												
Full Simulation Period[a]	-2,709	-2,262	-765	-31	**376**	**1,030**	**1,154**	**1,455**	**1,541**	**1,092**	**1,376**	-1,085
Water Year Types[b]												
Wet (31%)	**1,033**	**992**	**243**	**618**	**146**	**184**	**688**	**1,984**	**2,267**	**2,457**	**3,455**	-2,684
Above Normal (25%)	-1,405	**39**	-994	-247	**108**	**128**	**783**	**1,697**	**2,874**	**1,944**	**1,049**	-4,232
Below Normal (6%)	-4,881	-6,142	-4,008	-575	**1,423**	**1,362**	**1,548**	**3,272**	**1,320**	**1,263**	**2,040**	**1,264**
Dry (13%)	-6,107	-4,345	-838	**1,120**	**1,259**	**1,943**	**1,835**	**1,169**	**886**	**238**	**552**	**632**
Critical (25%)	-3,073	-3,344	-774	-1,275	-250	**1,270**	**1,052**	**801**	**994**	**307**	**369**	-392

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-39-10. Sacramento River at Port Chicago, Monthly EC

Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	18,815	18,574	17,499	15,770	13,955	9,056	9,795	12,210	15,475	16,881	17,176	18,249
20%	18,380	18,236	17,360	13,964	11,874	8,135	8,796	11,387	13,854	16,043	16,859	18,138
30%	18,197	18,091	17,241	12,325	8,545	5,808	6,638	10,935	12,609	14,928	15,990	17,741
40%	18,173	17,881	16,230	9,256	8,381	3,616	5,121	8,000	11,040	13,982	15,459	17,090
50%	17,671	17,702	14,838	8,312	3,853	2,455	3,644	6,969	10,882	13,913	14,774	16,849
60%	16,983	17,360	13,905	7,663	1,848	1,165	2,912	5,350	8,978	11,769	14,185	16,550
70%	16,453	14,476	12,998	3,136	550	570	2,085	3,374	7,058	10,449	13,572	16,215
80%	16,331	9,405	4,859	696	258	252	1,371	2,963	6,195	9,527	13,315	15,732
90%	8,416	4,642	225	247	212	207	296	986	3,667	8,451	12,975	11,997
Long Term												
Full Simulation Period[a]	15,823	14,375	12,268	8,003	5,739	3,899	4,746	6,954	9,789	12,441	14,393	15,681
Water Year Types[b]												
Wet (31%)	11,574	7,489	3,635	2,094	346	372	1,167	2,229	4,649	7,361	10,812	10,792
Above Normal (25%)	18,544	17,592	14,803	1,338	299	258	1,063	2,468	5,483	9,335	13,397	15,803
Below Normal (6%)	16,508	17,360	17,443	9,256	1,848	1,165	3,081	3,377	7,275	11,769	14,185	17,090
Dry (13%)	17,107	15,626	13,845	11,413	8,333	3,972	4,980	8,107	11,265	14,108	15,151	16,912
Critical (25%)	16,969	16,998	15,863	12,418	10,932	8,665	9,228	12,322	14,944	16,548	17,092	18,278

Alternative 6A,6B,6C (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	15,484	15,067	12,482	10,452	10,746	8,620	10,246	12,646	15,463	17,613	17,405	16,362
20%	14,229	13,252	11,963	8,234	8,094	6,919	8,761	12,347	14,276	16,448	16,795	15,979
30%	13,194	12,271	10,539	8,058	6,266	5,384	6,916	9,942	12,882	15,833	16,197	15,091
40%	12,734	11,886	9,448	5,539	5,371	3,993	6,170	9,844	12,512	15,219	15,654	14,551
50%	12,434	11,148	8,269	4,839	3,745	3,305	5,100	8,756	11,639	14,785	15,158	14,231
60%	10,581	10,260	7,417	4,500	1,785	1,809	4,076	6,474	10,223	12,428	13,969	13,525
70%	9,051	7,496	7,282	2,417	839	938	2,990	5,697	8,641	11,131	12,609	11,409
80%	7,319	5,415	3,977	458	325	404	2,159	4,614	7,806	10,761	12,478	8,081
90%	7,165	4,079	362	409	293	269	649	2,139	6,131	10,167	11,929	7,741
Long Term												
Full Simulation Period[a]	11,342	9,939	7,934	5,424	4,588	3,924	5,409	7,951	10,804	13,519	14,456	12,938
Water Year Types[b]												
Wet (31%)	9,623	5,440	2,049	1,418	486	550	1,743	3,820	6,546	8,932	11,162	7,773
Above Normal (25%)	14,599	14,096	9,118	792	428	409	1,858	3,711	7,353	10,907	12,387	11,409
Below Normal (6%)	10,524	10,260	10,133	4,622	1,785	1,809	4,076	5,901	7,806	12,428	13,969	13,525
Dry (13%)	10,051	9,502	8,444	7,040	6,202	4,143	5,749	8,979	12,126	15,048	15,678	14,661
Critical (25%)	12,610	12,161	11,319	9,351	8,802	8,277	9,757	12,538	15,133	17,227	17,039	16,188

Alternative 6A,6B,6C (LLT) minus Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-3,332	-3,507	-5,016	-5,318	-3,209	-435	**451**	**436**	-12	**732**	**229**	-1,887
20%	-4,151	-4,984	-5,397	-5,730	-3,780	-1,216	-35	**960**	**422**	**406**	-64	-2,159
30%	-5,003	-5,820	-6,702	-4,267	-2,279	-423	**279**	-993	**273**	**904**	**208**	-2,649
40%	-5,439	-5,994	-6,781	-3,716	-3,010	**376**	**1,049**	**1,844**	**1,472**	**1,237**	**195**	-2,539
50%	-5,236	-6,554	-6,569	-3,473	-108	**850**	**1,456**	**1,787**	**757**	**872**	**385**	-2,618
60%	-6,402	-7,100	-6,488	-3,163	-63	**644**	**1,163**	**1,124**	**1,244**	**659**	-215	-3,025
70%	-7,402	-6,980	-5,716	-719	**289**	**368**	**904**	**2,323**	**1,583**	**682**	-963	-4,806
80%	-9,012	-3,990	-882	-238	**67**	**152**	**788**	**1,651**	**1,611**	**1,234**	-837	-7,651
90%	-1,251	-563	**137**	**162**	**81**	**62**	**353**	**1,153**	**2,463**	**1,716**	-1,046	-4,257
Long Term												
Full Simulation Period[a]	-4,481	-4,436	-4,334	-2,579	-1,151	**25**	**663**	**997**	**1,015**	**1,078**	**63**	-2,743
Water Year Types[b]												
Wet (31%)	-1,952	-2,049	-1,586	-676	**140**	**177**	**576**	**1,591**	**1,897**	**1,571**	**350**	-3,019
Above Normal (25%)	-3,944	-3,495	-5,685	-546	**129**	**151**	**796**	**1,242**	**1,870**	**1,572**	-1,010	-4,394
Below Normal (6%)	-5,984	-7,100	-7,310	-4,633	-63	**644**	**995**	**2,525**	**532**	**659**	-215	-3,566
Dry (13%)	-7,057	-6,124	-5,400	-4,373	-2,131	**171**	**769**	**873**	**860**	**941**	**527**	-2,251
Critical (25%)	-4,359	-4,837	-4,544	-3,067	-2,130	-388	**530**	**216**	**189**	**679**	-53	-2,091

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-39-11. Sacramento River at Port Chicago, Monthly EC

Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	18,815	18,574	17,499	15,770	13,955	9,056	9,795	12,210	15,475	16,881	17,176	18,249
20%	18,380	18,236	17,360	13,964	11,874	8,135	8,796	11,387	13,854	16,043	16,859	18,138
30%	18,197	18,091	17,241	12,325	8,545	5,808	6,638	10,935	12,609	14,928	15,990	17,741
40%	18,173	17,881	16,230	9,256	8,381	3,616	5,121	8,000	11,040	13,982	15,459	17,090
50%	17,671	17,702	14,838	8,312	3,853	2,455	3,644	6,969	10,882	13,913	14,774	16,849
60%	16,983	17,360	13,905	7,663	1,848	1,165	2,912	5,350	8,978	11,769	14,185	16,550
70%	16,453	14,476	12,998	3,136	550	570	2,085	3,374	7,058	10,449	13,572	16,215
80%	16,331	9,405	4,859	696	258	252	1,371	2,963	6,195	9,527	13,315	15,732
90%	8,416	4,642	225	247	212	207	296	986	3,667	8,451	12,975	11,997
Long Term												
Full Simulation Period[a]	15,823	14,375	12,268	8,003	5,739	3,899	4,746	6,954	9,789	12,441	14,393	15,681
Water Year Types[b]												
Wet (31%)	11,574	7,489	3,635	2,094	346	372	1,167	2,229	4,649	7,361	10,812	10,792
Above Normal (25%)	18,544	17,592	14,803	1,338	299	258	1,063	2,468	5,483	9,335	13,397	15,803
Below Normal (6%)	16,508	17,360	17,443	9,256	1,848	1,165	3,081	3,377	7,275	11,769	14,185	17,090
Dry (13%)	17,107	15,626	13,845	11,413	8,333	3,972	4,980	8,107	11,265	14,108	15,151	16,912
Critical (25%)	16,969	16,998	15,863	12,418	10,932	8,665	9,228	12,322	14,944	16,548	17,092	18,278

Alternative 7 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	16,956	15,056	12,865	10,411	10,647	8,370	9,992	12,118	13,557	16,353	17,349	18,037
20%	16,270	13,434	12,051	8,128	7,999	6,789	8,642	11,642	12,986	15,770	17,193	17,814
30%	15,843	13,204	10,066	7,958	6,248	5,244	6,836	9,998	12,266	15,019	16,589	17,775
40%	15,768	12,800	9,226	5,914	5,216	3,548	5,980	9,884	12,104	14,998	15,766	17,489
50%	14,794	11,460	8,171	4,935	3,591	3,208	4,916	8,642	10,939	13,825	15,270	17,418
60%	10,493	10,322	7,507	4,820	2,055	1,873	3,879	6,396	9,731	12,810	15,016	17,350
70%	8,651	7,508	7,394	2,334	837	957	2,981	5,644	8,069	11,228	14,918	11,646
80%	7,212	5,636	4,120	465	319	406	2,111	4,638	7,099	10,671	14,623	8,510
90%	6,819	4,072	370	399	289	273	638	1,988	5,898	10,432	14,443	8,131
Long Term												
Full Simulation Period[a]	12,472	10,210	7,952	5,436	4,541	3,827	5,305	7,721	9,976	13,202	15,677	14,599
Water Year Types[b]												
Wet (31%)	10,788	5,651	2,111	1,508	486	562	1,735	3,796	6,147	9,700	14,458	8,179
Above Normal (25%)	16,764	14,061	8,710	761	418	408	1,859	3,640	6,689	10,641	14,612	11,646
Below Normal (6%)	10,493	10,607	10,180	4,820	2,055	1,873	3,879	5,744	7,882	12,904	15,766	17,380
Dry (13%)	10,005	9,601	8,444	7,054	6,077	3,955	5,603	8,923	11,720	14,398	15,528	17,836
Critical (25%)	14,471	12,726	11,483	9,277	8,701	8,093	9,587	11,927	13,379	16,130	17,179	17,771

Alternative 7 (LLT) minus Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-1,859	-3,518	-4,633	-5,359	-3,308	-686	**198**	-92	-1,917	-528	**174**	-212
20%	-2,110	-4,802	-5,309	-5,836	-3,875	-1,345	-155	**255**	-868	-272	**334**	-324
30%	-2,355	-4,888	-7,175	-4,367	-2,297	-564	**199**	-937	-343	**90**	**599**	**34**
40%	-2,405	-5,080	-7,004	-3,342	-3,165	-68	**859**	**1,884**	**1,064**	**1,016**	**308**	**399**
50%	-2,876	-6,242	-6,667	-3,377	-262	**753**	**1,272**	**1,673**	**58**	-88	**496**	**568**
60%	-6,490	-7,038	-6,398	-2,843	**207**	**708**	**967**	**1,047**	**752**	**1,041**	**832**	**800**
70%	-7,802	-6,968	-5,605	-802	**286**	**387**	**896**	**2,270**	**1,011**	**779**	**1,346**	-4,569
80%	-9,119	-3,769	-739	-231	**61**	**154**	**740**	**1,675**	**905**	**1,144**	**1,308**	-7,221
90%	-1,597	-570	**145**	**152**	**77**	**66**	**343**	**1,002**	**2,230**	**1,981**	**1,468**	-3,866
Long Term												
Full Simulation Period[a]	-3,351	-4,164	-4,315	-2,567	-1,198	-72	**559**	**767**	**188**	**761**	**1,284**	-1,082
Water Year Types[b]												
Wet (31%)	-786	-1,838	-1,524	-586	**140**	**189**	**567**	**1,567**	**1,497**	**2,339**	**3,645**	-2,612
Above Normal (25%)	-1,780	-3,531	-6,093	-577	**119**	**150**	**796**	**1,172**	**1,206**	**1,306**	**1,215**	-4,156
Below Normal (6%)	-6,015	-6,753	-7,263	-4,436	**207**	**708**	**799**	**2,368**	**607**	**1,135**	**1,582**	**290**
Dry (13%)	-7,102	-6,025	-5,401	-4,360	-2,256	-17	**623**	**816**	**454**	**291**	**377**	**924**
Critical (25%)	-2,498	-4,272	-4,379	-3,141	-2,231	-572	**359**	-395	-1,565	-418	**87**	-508

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-39-12. Sacramento River at Port Chicago, Monthly EC

Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	18,815	18,574	17,499	15,770	13,955	9,056	9,795	12,210	15,475	16,881	17,176	18,249
20%	18,380	18,236	17,360	13,964	11,874	8,135	8,796	11,387	13,854	16,043	16,859	18,138
30%	18,197	18,091	17,241	12,325	8,545	5,808	6,638	10,935	12,609	14,928	15,990	17,741
40%	18,173	17,881	16,230	9,256	8,381	3,616	5,121	8,000	11,040	13,982	15,459	17,090
50%	17,671	17,702	14,838	8,312	3,853	2,455	3,644	6,969	10,882	13,913	14,774	16,849
60%	16,983	17,360	13,905	7,663	1,848	1,165	2,912	5,350	8,978	11,769	14,185	16,550
70%	16,453	14,476	12,998	3,136	550	570	2,085	3,374	7,058	10,449	13,572	16,215
80%	16,331	9,405	4,859	696	258	252	1,371	2,963	6,195	9,527	13,315	15,732
90%	8,416	4,642	225	247	212	207	296	986	3,667	8,451	12,975	11,997
Long Term												
Full Simulation Period[a]	15,823	14,375	12,268	8,003	5,739	3,899	4,746	6,954	9,789	12,441	14,393	15,681
Water Year Types[b]												
Wet (31%)	11,574	7,489	3,635	2,094	346	372	1,167	2,229	4,649	7,361	10,812	10,792
Above Normal (25%)	18,544	17,592	14,803	1,338	299	258	1,063	2,468	5,483	9,335	13,397	15,803
Below Normal (6%)	16,508	17,360	17,443	9,256	1,848	1,165	3,081	3,377	7,275	11,769	14,185	17,090
Dry (13%)	17,107	15,626	13,845	11,413	8,333	3,972	4,980	8,107	11,265	14,108	15,151	16,912
Critical (25%)	16,969	16,998	15,863	12,418	10,932	8,665	9,228	12,322	14,944	16,548	17,092	18,278

Alternative 8 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	17,604	15,745	12,871	10,390	10,074	6,496	8,440	11,016	13,088	16,178	17,393	18,488
20%	17,501	14,923	12,609	8,275	7,892	6,012	7,781	9,943	12,004	15,124	17,227	18,214
30%	16,458	13,092	10,419	7,461	5,387	4,677	5,018	9,304	11,806	15,097	16,791	17,864
40%	15,845	12,654	9,361	5,511	4,498	2,485	4,313	7,775	11,399	14,959	16,618	17,787
50%	15,475	11,497	8,256	4,439	3,091	2,220	4,009	7,130	10,429	14,408	16,375	17,776
60%	10,248	10,443	7,599	3,609	1,470	1,556	3,247	5,159	9,260	13,044	16,127	17,658
70%	8,763	7,655	7,510	2,193	851	966	2,351	4,408	7,627	10,924	14,881	11,634
80%	7,239	6,085	4,007	442	318	385	1,820	4,023	6,874	10,665	14,674	8,288
90%	6,980	3,817	364	401	278	273	541	1,634	5,786	10,405	14,277	8,148
Long Term												
Full Simulation Period[a]	12,733	10,419	8,079	5,213	4,219	3,266	4,465	6,751	9,584	13,199	15,950	14,762
Water Year Types[b]												
Wet (31%)	11,117	5,708	2,132	1,190	502	568	1,526	3,220	5,860	9,510	14,303	8,119
Above Normal (25%)	16,583	14,147	9,102	764	389	395	1,491	3,092	6,538	10,650	14,653	11,634
Below Normal (6%)	10,248	10,464	10,162	4,423	1,470	1,556	3,247	4,032	7,380	13,044	16,331	18,214
Dry (13%)	10,496	10,056	8,585	6,726	5,274	2,924	4,196	7,900	11,528	14,763	16,509	18,320
Critical (25%)	14,773	12,978	11,606	9,158	8,430	7,188	8,464	10,665	12,668	15,948	17,263	17,792

Alternative 8 (LLT) minus Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-1,211	-2,829	-4,628	-5,380	-3,881	-2,560	-1,355	-1,195	-2,387	-703	**217**	**239**
20%	-879	-3,313	-4,751	-5,690	-3,982	-2,123	-1,015	-1,444	-1,850	-918	**368**	**76**
30%	-1,739	-4,999	-6,822	-4,864	-3,159	-1,131	-1,619	-1,631	-803	**169**	**801**	**124**
40%	-2,328	-5,227	-6,868	-3,745	-3,884	-1,131	-808	-225	**359**	**977**	**1,159**	**697**
50%	-2,196	-6,204	-6,582	-3,874	-761	-235	**365**	**161**	-453	**494**	**1,601**	**926**
60%	-6,735	-6,917	-6,306	-4,054	-378	**391**	**335**	-190	**281**	**1,275**	**1,943**	**1,109**
70%	-7,690	-6,822	-5,488	-943	**300**	**397**	**265**	**1,034**	**569**	**475**	**1,309**	-4,581
80%	-9,092	-3,321	-852	-253	**60**	**134**	**449**	**1,060**	**679**	**1,137**	**1,359**	-7,444
90%	-1,436	-825	**139**	**154**	**66**	**66**	**245**	**648**	**2,119**	**1,954**	**1,302**	-3,849
Long Term												
Full Simulation Period[a]	-3,090	-3,956	-4,189	-2,790	-1,520	-633	-281	-203	-204	**758**	**1,557**	-919
Water Year Types[b]												
Wet (31%)	-458	-1,782	-1,504	-904	**156**	**196**	**359**	**991**	**1,211**	**2,149**	**3,491**	-2,673
Above Normal (25%)	-1,960	-3,444	-5,701	-574	**90**	**137**	**428**	**624**	**1,055**	**1,315**	**1,256**	-4,168
Below Normal (6%)	-6,260	-6,896	-7,281	-4,833	-378	**391**	**167**	**656**	**105**	**1,275**	**2,147**	**1,124**
Dry (13%)	-6,611	-5,570	-5,260	-4,688	-3,059	-1,048	-784	-207	**263**	**655**	**1,359**	**1,408**
Critical (25%)	-2,196	-4,020	-4,257	-3,260	-2,502	-1,477	-764	-1,657	-2,276	-600	**171**	-487

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-39-13. Sacramento River at Port Chicago, Monthly EC

Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	18,815	18,574	17,499	15,770	13,955	9,056	9,795	12,210	15,475	16,881	17,176	18,249
20%	18,380	18,236	17,360	13,964	11,874	8,135	8,796	11,387	13,854	16,043	16,859	18,138
30%	18,197	18,091	17,241	12,325	8,545	5,808	6,638	10,935	12,609	14,928	15,990	17,741
40%	18,173	17,881	16,230	9,256	8,381	3,616	5,121	8,000	11,040	13,982	15,459	17,090
50%	17,671	17,702	14,838	8,312	3,853	2,455	3,644	6,969	10,882	13,913	14,774	16,849
60%	16,983	17,360	13,905	7,663	1,848	1,165	2,912	5,350	8,978	11,769	14,185	16,550
70%	16,453	14,476	12,998	3,136	550	570	2,085	3,374	7,058	10,449	13,572	16,215
80%	16,331	9,405	4,859	696	258	252	1,371	2,963	6,195	9,527	13,315	15,732
90%	8,416	4,642	225	247	212	207	296	986	3,667	8,451	12,975	11,997
Long Term												
Full Simulation Period[a]	15,823	14,375	12,268	8,003	5,739	3,899	4,746	6,954	9,789	12,441	14,393	15,681
Water Year Types[b]												
Wet (31%)	11,574	7,489	3,635	2,094	346	372	1,167	2,229	4,649	7,361	10,812	10,792
Above Normal (25%)	18,544	17,592	14,803	1,338	299	258	1,063	2,468	5,483	9,335	13,397	15,803
Below Normal (6%)	16,508	17,360	17,443	9,256	1,848	1,165	3,081	3,377	7,275	11,769	14,185	17,090
Dry (13%)	17,107	15,626	13,845	11,413	8,333	3,972	4,980	8,107	11,265	14,108	15,151	16,912
Critical (25%)	16,969	16,998	15,863	12,418	10,932	8,665	9,228	12,322	14,944	16,548	17,092	18,278

Alternative 9 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	19,321	19,932	19,491	17,237	14,857	10,580	10,461	13,092	15,831	16,796	16,957	18,177
20%	18,880	18,972	18,427	13,224	12,468	9,578	8,582	12,505	14,289	16,566	16,208	18,113
30%	18,695	18,779	16,431	12,394	8,959	6,712	7,285	8,635	11,764	15,147	15,891	17,822
40%	18,220	18,674	15,703	9,827	7,659	3,936	6,491	8,381	11,214	14,808	15,761	17,595
50%	17,549	14,916	13,495	8,721	5,543	3,602	5,609	8,139	10,806	14,125	15,400	17,434
60%	11,572	11,166	13,062	7,696	2,145	1,488	4,753	7,407	10,354	13,029	14,728	16,896
70%	9,309	9,451	11,694	3,151	692	757	3,142	6,857	9,038	11,899	14,370	11,974
80%	7,318	7,805	8,411	916	305	354	2,234	5,714	8,805	10,346	14,225	8,605
90%	7,194	5,344	420	383	281	256	539	2,010	6,788	9,787	13,653	8,055
Long Term												
Full Simulation Period[a]	14,176	13,479	12,455	8,480	6,327	4,571	5,637	7,889	10,667	13,405	15,234	14,670
Water Year Types[b]												
Wet (31%)	12,468	8,667	4,185	2,363	429	461	1,921	4,374	6,618	9,516	13,833	8,147
Above Normal (25%)	19,020	19,319	16,431	1,302	370	365	1,819	4,296	8,299	10,762	13,959	11,974
Below Normal (6%)	11,572	11,412	13,676	7,696	2,145	1,488	4,753	7,407	8,805	13,029	15,761	18,125
Dry (13%)	11,229	11,928	13,548	12,088	8,618	4,781	6,004	7,875	11,084	14,636	15,646	17,660
Critical (25%)	16,482	16,648	16,363	13,514	12,432	9,991	10,019	12,246	14,891	16,664	16,430	17,882

Alternative 9 (LLT) minus Existing Condition

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	**505**	**1,358**	**1,993**	**1,467**	**903**	**1,524**	**666**	**881**	**356**	-85	-219	-72
20%	**500**	**736**	**1,067**	-741	**594**	**1,444**	-215	**1,117**	**435**	**523**	-652	-25
30%	**498**	**688**	-810	**69**	**414**	**904**	**648**	-2,300	-845	**218**	-99	**81**
40%	**47**	**793**	-527	**571**	-723	**320**	**1,371**	**381**	**174**	**826**	**302**	**505**
50%	-122	-2,786	-1,343	**409**	**1,690**	**1,147**	**1,965**	**1,171**	-76	**211**	**626**	**585**
60%	-5,411	-6,194	-843	**33**	**297**	**323**	**1,841**	**2,057**	**1,375**	**1,260**	**544**	**347**
70%	-7,144	-5,026	-1,304	**15**	**141**	**187**	**1,056**	**3,483**	**1,980**	**1,451**	**798**	-4,241
80%	-9,013	-1,600	**3,552**	**220**	**48**	**103**	**864**	**2,751**	**2,611**	**819**	**910**	-7,127
90%	-1,222	**702**	**195**	**136**	**69**	**49**	**243**	**1,024**	**3,121**	**1,336**	**678**	-3,942
Long Term												
Full Simulation Period[a]	-1,647	-895	**188**	**476**	**588**	**672**	**891**	**935**	**878**	**964**	**841**	-1,012
Water Year Types[b]												
Wet (31%)	**894**	**1,178**	**549**	**269**	**83**	**89**	**754**	**2,145**	**1,969**	**2,155**	**3,020**	-2,645
Above Normal (25%)	**476**	**1,727**	**1,628**	-36	**71**	**108**	**757**	**1,828**	**2,816**	**1,427**	**562**	-3,828
Below Normal (6%)	-4,936	-5,949	-3,767	-1,559	**297**	**323**	**1,672**	**4,030**	**1,531**	**1,260**	**1,577**	**1,035**
Dry (13%)	-5,878	-3,698	-297	**675**	**285**	**809**	**1,024**	-232	-182	**528**	**495**	**748**
Critical (25%)	-487	-350	**500**	**1,096**	**1,500**	**1,326**	**792**	-76	-53	**116**	-662	-396

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-39-14. Sacramento River at Port Chicago, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	18,324	18,595	18,167	14,600	14,062	11,236	10,711	13,078	16,240	16,711	17,385	18,799
20%	17,894	17,627	17,423	13,776	10,019	9,701	10,352	12,619	14,195	15,013	16,292	18,471
30%	17,547	17,545	15,545	11,625	9,659	7,002	8,423	10,235	12,634	14,644	15,712	18,304
40%	17,406	17,237	14,077	10,476	9,066	4,605	6,264	10,066	12,298	14,405	15,432	17,875
50%	16,920	13,899	13,275	9,210	5,971	3,769	5,178	8,902	11,429	13,370	14,508	17,527
60%	11,828	11,582	13,202	8,075	3,004	2,196	4,299	6,657	10,415	11,190	13,878	17,096
70%	9,531	9,991	12,040	3,445	944	1,052	2,899	6,120	9,618	9,948	13,130	11,896
80%	7,709	8,206	8,840	779	357	446	2,154	4,755	8,394	9,468	13,092	8,715
90%	7,535	5,485	551	465	298	282	622	2,020	6,609	8,268	12,779	8,103
Long Term												
Full Simulation Period[a]	13,821	12,917	11,950	8,105	6,285	4,772	5,772	8,182	11,085	12,514	14,717	14,911
Water Year Types[b]												
Wet (31%)	12,568	8,604	3,905	2,349	528	597	1,759	3,986	6,905	8,411	12,791	8,182
Above Normal (25%)	17,648	17,505	14,986	1,359	466	462	1,756	3,763	8,235	9,359	13,005	11,896
Below Normal (6%)	11,828	11,707	14,077	8,660	3,004	2,196	4,299	6,214	8,394	13,007	15,432	17,875
Dry (13%)	11,080	11,664	13,074	12,318	9,298	5,339	6,578	9,176	11,910	13,509	14,796	17,655
Critical (25%)	15,885	15,777	15,848	11,926	11,463	9,898	10,237	12,904	15,448	16,164	16,737	18,712

Alternative 1A,1B,1C (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	17,825	17,856	17,071	14,364	12,341	10,898	11,112	13,845	16,764	17,730	18,042	18,537
20%	17,594	17,742	16,713	13,357	11,244	9,960	10,577	13,135	14,370	16,647	17,459	18,345
30%	17,186	16,348	16,081	11,812	10,687	7,517	8,327	10,358	13,100	15,389	16,879	18,047
40%	16,459	15,765	15,727	10,904	8,807	5,799	7,546	10,261	12,007	15,174	16,384	17,868
50%	15,683	14,294	14,918	9,742	6,385	4,629	6,558	10,198	11,391	14,006	15,884	17,660
60%	15,540	13,923	13,289	8,126	2,862	1,895	5,538	9,513	11,035	12,211	14,900	17,595
70%	13,174	12,196	13,028	3,974	844	948	3,240	6,859	10,192	11,677	14,724	17,378
80%	11,825	11,506	10,493	1,093	390	381	2,507	6,573	9,908	11,113	14,309	16,933
90%	11,088	6,880	461	409	301	267	644	2,762	6,507	10,540	14,111	16,023
Long Term												
Full Simulation Period[a]	14,904	13,463	12,315	8,168	6,219	4,955	6,222	8,973	11,409	13,602	15,868	17,244
Water Year Types[b]												
Wet (31%)	13,555	7,841	3,498	2,853	510	554	2,136	4,850	6,958	9,645	14,178	15,972
Above Normal (25%)	14,953	15,623	14,093	1,238	425	395	2,039	5,341	8,954	11,499	14,724	17,732
Below Normal (6%)	11,781	12,432	16,095	9,223	2,862	1,895	5,904	9,513	9,947	13,383	16,650	18,865
Dry (13%)	17,267	16,466	14,925	11,330	9,462	6,123	6,902	9,353	11,796	14,325	15,754	17,291
Critical (25%)	14,696	14,900	15,813	12,451	11,182	9,979	10,685	13,314	15,936	17,073	17,613	17,705

Alternative 1A,1B,1C (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-499	-739	-1,096	-236	-1,722	-339	**401**	**767**	**525**	**1,019**	**657**	-263
20%	-300	**115**	-710	-420	**1,224**	**260**	**225**	**516**	**176**	**1,635**	**1,167**	-126
30%	-361	-1,197	**535**	**187**	**1,028**	**514**	-95	**123**	**466**	**745**	**1,167**	-257
40%	-947	-1,472	**1,650**	**428**	-259	**1,194**	**1,282**	**195**	-291	**769**	**952**	-7
50%	-1,237	**395**	**1,643**	**533**	**414**	**860**	**1,379**	**1,296**	-38	**635**	**1,376**	**133**
60%	**3,712**	**2,341**	**87**	**51**	-142	-301	**1,239**	**2,855**	**620**	**1,021**	**1,023**	**500**
70%	**3,643**	**2,205**	**988**	**529**	-100	-105	**341**	**739**	**574**	**1,728**	**1,594**	**5,482**
80%	**4,116**	**3,300**	**1,654**	**313**	**33**	-66	**353**	**1,818**	**1,514**	**1,644**	**1,217**	**8,217**
90%	**3,553**	**1,395**	-90	-56	**3**	-15	**22**	**742**	-102	**2,272**	**1,332**	**7,920**
Long Term												
Full Simulation Period[a]	**1,082**	**546**	**365**	**63**	-65	**184**	**451**	**792**	**324**	**1,087**	**1,151**	**2,333**
Water Year Types[b]												
Wet (31%)	**987**	-763	-407	**504**	-18	-42	**376**	**863**	**53**	**1,234**	**1,387**	**7,791**
Above Normal (25%)	-2,695	-1,882	-893	-121	-42	-67	**283**	**1,578**	**719**	**2,140**	**1,720**	**5,836**
Below Normal (6%)	-46	**725**	**2,018**	**563**	-142	-301	**1,604**	**3,299**	**1,553**	**375**	**1,218**	**990**
Dry (13%)	**6,187**	**4,802**	**1,852**	-987	**165**	**784**	**324**	**176**	-115	**815**	**957**	-364
Critical (25%)	-1,189	-877	-35	**525**	-281	**81**	**449**	**410**	**488**	**908**	**876**	-1,007

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-39-15. Sacramento River at Port Chicago, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	18,324	18,595	18,167	14,600	14,062	11,236	10,711	13,078	16,240	16,711	17,385	18,799
20%	17,894	17,627	17,423	13,776	10,019	9,701	10,352	12,619	14,195	15,013	16,292	18,471
30%	17,547	17,545	15,545	11,625	9,659	7,002	8,423	10,235	12,634	14,644	15,712	18,304
40%	17,406	17,237	14,077	10,476	9,066	4,605	6,264	10,066	12,298	14,405	15,432	17,875
50%	16,920	13,899	13,275	9,210	5,971	3,769	5,178	8,902	11,429	13,370	14,508	17,527
60%	11,828	11,582	13,202	8,075	3,004	2,196	4,299	6,657	10,415	11,190	13,878	17,096
70%	9,531	9,991	12,040	3,445	944	1,052	2,899	6,120	9,618	9,948	13,130	11,896
80%	7,709	8,206	8,840	779	357	446	2,154	4,755	8,394	9,468	13,092	8,715
90%	7,535	5,485	551	465	298	282	622	2,020	6,609	8,268	12,779	8,103
Long Term												
Full Simulation Period[a]	13,821	12,917	11,950	8,105	6,285	4,772	5,772	8,182	11,085	12,514	14,717	14,911
Water Year Types[b]												
Wet (31%)	12,568	8,604	3,905	2,349	528	597	1,759	3,986	6,905	8,411	12,791	8,182
Above Normal (25%)	17,648	17,505	14,986	1,359	466	462	1,756	3,763	8,235	9,359	13,005	11,896
Below Normal (6%)	11,828	11,707	14,077	8,660	3,004	2,196	4,299	6,214	8,394	13,007	15,432	17,875
Dry (13%)	11,080	11,664	13,074	12,318	9,298	5,339	6,578	9,176	11,910	13,509	14,796	17,655
Critical (25%)	15,885	15,777	15,848	11,926	11,463	9,898	10,237	12,904	15,448	16,164	16,737	18,712

Alternative 2A,2B,2C (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	17,159	18,133	16,586	12,363	12,279	10,485	11,081	13,814	16,793	17,709	17,957	18,578
20%	15,415	16,169	14,476	11,286	10,198	9,800	10,467	12,919	14,481	16,765	17,637	18,167
30%	14,841	15,014	13,820	10,430	8,433	7,398	8,544	10,122	12,908	15,164	16,786	17,953
40%	14,574	14,143	13,176	9,044	7,674	5,327	7,104	9,977	11,906	14,936	16,143	17,402
50%	13,568	11,768	12,917	8,412	6,349	4,726	5,876	9,056	11,262	13,954	15,741	17,231
60%	10,948	10,777	12,276	7,956	3,316	2,853	4,671	6,691	11,004	12,290	15,037	15,934
70%	9,047	9,410	11,429	3,668	862	955	3,158	6,399	9,148	11,341	14,593	11,647
80%	7,419	7,797	7,074	879	363	381	2,356	5,210	8,556	11,275	14,513	8,500
90%	7,289	5,383	473	407	304	270	650	2,253	6,291	10,528	14,324	8,168
Long Term												
Full Simulation Period[a]	12,301	11,830	11,000	7,166	5,735	4,931	6,052	8,383	11,130	13,529	15,868	14,616
Water Year Types[b]												
Wet (31%)	10,761	7,970	3,580	2,460	504	558	1,881	4,260	6,841	9,718	14,305	8,193
Above Normal (25%)	15,108	15,836	13,518	1,198	445	399	2,004	4,043	7,790	11,101	14,553	11,647
Below Normal (6%)	10,948	11,099	13,744	8,133	3,316	2,853	4,810	6,691	8,573	13,035	16,525	18,770
Dry (13%)	10,464	11,347	11,506	10,241	8,685	6,062	6,839	9,001	11,712	14,373	15,888	17,540
Critical (25%)	14,150	13,847	14,974	10,666	10,158	9,754	10,626	13,260	15,941	16,971	17,496	17,774

Alternative 2A,2B,2C (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-1,165	-462	-1,582	-2,237	-1,784	-752	**370**	**736**	**553**	**999**	**573**	-221
20%	-2,479	-1,458	-2,948	-2,491	**178**	**99**	**115**	**300**	**286**	**1,752**	**1,345**	-304
30%	-2,707	-2,531	-1,725	-1,195	-1,226	**395**	**121**	-114	**274**	**520**	**1,074**	-352
40%	-2,831	-3,094	-901	-1,432	-1,391	**722**	**839**	-89	-392	**531**	**711**	-473
50%	-3,352	-2,131	-358	-798	**379**	**957**	**698**	**154**	-167	**583**	**1,233**	-296
60%	-880	-805	-927	-118	**312**	**657**	**372**	**34**	**588**	**1,100**	**1,160**	-1,161
70%	-484	-581	-611	**223**	-81	-97	**259**	**279**	-470	**1,393**	**1,463**	-249
80%	-290	-409	-1,766	**99**	**6**	-65	**203**	**455**	**161**	**1,807**	**1,420**	-216
90%	-246	-102	-78	-58	**6**	-12	**28**	**233**	-319	**2,260**	**1,545**	**65**
Long Term												
Full Simulation Period[a]	-1,520	-1,088	-950	-938	-550	**159**	**280**	**201**	**44**	**1,014**	**1,150**	-294
Water Year Types[b]												
Wet (31%)	-1,806	-634	-325	**112**	-24	-39	**122**	**273**	-64	**1,307**	**1,514**	**11**
Above Normal (25%)	-2,540	-1,669	-1,468	-161	-22	-63	**248**	**280**	-445	**1,742**	**1,548**	-249
Below Normal (6%)	-880	-608	-333	-527	**312**	**657**	**511**	**478**	**178**	**28**	**1,093**	**895**
Dry (13%)	-616	-316	-1,567	-2,077	-612	**723**	**261**	-175	-198	**863**	**1,091**	-115
Critical (25%)	-1,735	-1,930	-874	-1,260	-1,305	-144	**389**	**356**	**493**	**807**	**759**	-938

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-39-16. Sacramento River at Port Chicago, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	18,324	18,595	18,167	14,600	14,062	11,236	10,711	13,078	16,240	16,711	17,385	18,799
20%	17,894	17,627	17,423	13,776	10,019	9,701	10,352	12,619	14,195	15,013	16,292	18,471
30%	17,547	17,545	15,545	11,625	9,659	7,002	8,423	10,235	12,634	14,644	15,712	18,304
40%	17,406	17,237	14,077	10,476	9,066	4,605	6,264	10,066	12,298	14,405	15,432	17,875
50%	16,920	13,899	13,275	9,210	5,971	3,769	5,178	8,902	11,429	13,370	14,508	17,527
60%	11,828	11,582	13,202	8,075	3,004	2,196	4,299	6,657	10,415	11,190	13,878	17,096
70%	9,531	9,991	12,040	3,445	944	1,052	2,899	6,120	9,618	9,948	13,130	11,896
80%	7,709	8,206	8,840	779	357	446	2,154	4,755	8,394	9,468	13,092	8,715
90%	7,535	5,485	551	465	298	282	622	2,020	6,609	8,268	12,779	8,103
Long Term												
Full Simulation Period[a]	13,821	12,917	11,950	8,105	6,285	4,772	5,772	8,182	11,085	12,514	14,717	14,911
Water Year Types[b]												
Wet (31%)	12,568	8,604	3,905	2,349	528	597	1,759	3,986	6,905	8,411	12,791	8,182
Above Normal (25%)	17,648	17,505	14,986	1,359	466	462	1,756	3,763	8,235	9,359	13,005	11,896
Below Normal (6%)	11,828	11,707	14,077	8,660	3,004	2,196	4,299	6,214	8,394	13,007	15,432	17,875
Dry (13%)	11,080	11,664	13,074	12,318	9,298	5,339	6,578	9,176	11,910	13,509	14,796	17,655
Critical (25%)	15,885	15,777	15,848	11,926	11,463	9,898	10,237	12,904	15,448	16,164	16,737	18,712

Alternative 3 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	17,989	17,703	17,231	13,488	12,042	10,846	11,165	13,972	16,703	17,664	18,024	18,490
20%	17,565	17,352	16,827	13,157	11,499	9,940	10,551	13,120	14,296	16,590	17,407	18,284
30%	17,239	16,647	16,364	12,488	10,566	7,053	8,227	10,391	13,049	15,243	16,755	18,090
40%	16,447	15,859	15,721	11,144	8,917	5,489	7,369	10,303	11,973	15,061	16,307	17,888
50%	15,138	14,210	14,453	9,262	6,171	4,093	6,548	10,184	11,691	14,040	15,802	17,658
60%	14,374	13,386	14,073	8,181	3,017	1,903	5,555	9,506	11,008	12,272	14,787	17,645
70%	13,128	12,231	13,068	3,742	834	946	3,210	6,917	10,263	11,787	14,563	17,189
80%	11,588	10,319	10,406	1,017	339	384	2,703	6,530	9,947	11,237	14,521	16,924
90%	10,554	6,787	436	399	291	266	640	2,834	6,513	10,384	14,263	16,364
Long Term												
Full Simulation Period[a]	14,711	13,301	12,397	7,977	6,031	4,828	6,219	9,010	11,437	13,595	15,843	17,261
Water Year Types[b]												
Wet (31%)	13,334	8,329	3,786	2,596	495	559	2,189	4,880	7,018	9,669	14,147	15,890
Above Normal (25%)	14,471	14,867	14,060	1,292	409	385	2,014	5,415	8,998	11,485	14,665	17,661
Below Normal (6%)	13,133	13,386	16,463	9,269	3,017	1,903	5,901	9,506	9,947	13,406	16,635	18,918
Dry (13%)	17,324	16,246	14,805	11,704	9,381	5,707	6,803	9,353	11,895	14,320	15,804	17,491
Critical (25%)	14,132	14,280	15,883	11,715	10,633	9,903	10,721	13,378	15,881	17,038	17,542	17,683

Alternative 3 (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-335	-892	-937	-1,112	-2,020	-390	**454**	**894**	**463**	**953**	**639**	-309
20%	-329	-275	-597	-620	**1,479**	**239**	**199**	**501**	**102**	**1,577**	**1,115**	-187
30%	-308	-897	**818**	**862**	**906**	**51**	-196	**156**	**416**	**598**	**1,044**	-215
40%	-958	-1,379	**1,644**	**668**	-149	**883**	**1,104**	**237**	-325	**656**	**875**	**13**
50%	-1,782	**311**	**1,178**	**52**	**200**	**324**	**1,369**	**1,282**	**262**	**670**	**1,295**	**131**
60%	**2,546**	**1,804**	**870**	**106**	**13**	-293	**1,256**	**2,849**	**592**	**1,082**	**909**	**549**
70%	**3,597**	**2,240**	**1,029**	**297**	-110	-106	**311**	**798**	**644**	**1,839**	**1,432**	**5,293**
80%	**3,878**	**2,112**	**1,566**	**237**	-18	-62	**550**	**1,775**	**1,552**	**1,768**	**1,429**	**8,209**
90%	**3,019**	**1,302**	-115	-66	-8	-16	**17**	**814**	-96	**2,116**	**1,485**	**8,261**
Long Term												
Full Simulation Period[a]	**890**	**384**	**447**	-128	-253	**56**	**447**	**828**	**352**	**1,081**	**1,125**	**2,350**
Water Year Types[b]												
Wet (31%)	**766**	-275	-119	**247**	-34	-38	**430**	**894**	**113**	**1,257**	**1,357**	**7,709**
Above Normal (25%)	-3,177	-2,638	-926	-67	-57	-77	**258**	**1,651**	**763**	**2,126**	**1,661**	**5,765**
Below Normal (6%)	**1,305**	**1,679**	**2,386**	**610**	**13**	-293	**1,602**	**3,292**	**1,552**	**399**	**1,203**	**1,042**
Dry (13%)	**6,244**	**4,582**	**1,731**	-614	**83**	**369**	**224**	**176**	-15	**811**	**1,008**	-164
Critical (25%)	-1,752	-1,498	**35**	-211	-830	**5**	**485**	**474**	**432**	**874**	**805**	-1,029

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-39-17. Sacramento River at Port Chicago, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	18,324	18,595	18,167	14,600	14,062	11,236	10,711	13,078	16,240	16,711	17,385	18,799
20%	17,894	17,627	17,423	13,776	10,019	9,701	10,352	12,619	14,195	15,013	16,292	18,471
30%	17,547	17,545	15,545	11,625	9,659	7,002	8,423	10,235	12,634	14,644	15,712	18,304
40%	17,406	17,237	14,077	10,476	9,066	4,605	6,264	10,066	12,298	14,405	15,432	17,875
50%	16,920	13,899	13,275	9,210	5,971	3,769	5,178	8,902	11,429	13,370	14,508	17,527
60%	11,828	11,582	13,202	8,075	3,004	2,196	4,299	6,657	10,415	11,190	13,878	17,096
70%	9,531	9,991	12,040	3,445	944	1,052	2,899	6,120	9,618	9,948	13,130	11,896
80%	7,709	8,206	8,840	779	357	446	2,154	4,755	8,394	9,468	13,092	8,715
90%	7,535	5,485	551	465	298	282	622	2,020	6,609	8,268	12,779	8,103
Long Term												
Full Simulation Period[a]	13,821	12,917	11,950	8,105	6,285	4,772	5,772	8,182	11,085	12,514	14,717	14,911
Water Year Types[b]												
Wet (31%)	12,568	8,604	3,905	2,349	528	597	1,759	3,986	6,905	8,411	12,791	8,182
Above Normal (25%)	17,648	17,505	14,986	1,359	466	462	1,756	3,763	8,235	9,359	13,005	11,896
Below Normal (6%)	11,828	11,707	14,077	8,660	3,004	2,196	4,299	6,214	8,394	13,007	15,432	17,875
Dry (13%)	11,080	11,664	13,074	12,318	9,298	5,339	6,578	9,176	11,910	13,509	14,796	17,655
Critical (25%)	15,885	15,777	15,848	11,926	11,463	9,898	10,237	12,904	15,448	16,164	16,737	18,712

Alternative 4 H1 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	17,133	18,363	17,250	12,074	11,681	10,245	11,109	13,715	16,760	17,758	17,996	18,419
20%	16,835	16,666	16,589	11,014	9,730	10,053	10,549	12,941	14,259	16,577	17,686	18,222
30%	16,088	15,890	15,940	9,359	8,529	7,317	8,493	10,123	12,988	15,249	16,677	18,001
40%	15,720	15,050	15,009	9,068	7,487	5,299	6,870	10,008	12,400	15,071	16,108	17,755
50%	15,117	14,927	14,312	8,560	6,169	4,365	5,742	9,291	11,350	13,722	15,915	17,720
60%	15,093	14,757	13,329	7,541	3,066	2,326	4,588	6,700	11,016	12,282	14,695	17,381
70%	14,582	13,392	12,508	3,667	853	957	3,179	6,382	9,145	11,537	14,463	17,245
80%	13,618	10,771	6,639	862	338	383	2,334	5,297	8,225	11,286	14,416	16,960
90%	12,912	6,724	408	405	296	270	650	2,169	6,270	10,259	14,180	15,782
Long Term												
Full Simulation Period[a]	15,059	13,570	11,894	7,110	5,689	4,832	6,020	8,398	11,141	13,531	15,820	17,147
Water Year Types[b]												
Wet (31%)	13,165	7,888	3,511	2,358	498	563	1,877	4,205	6,814	9,696	14,178	15,950
Above Normal (25%)	15,456	16,120	13,641	1,166	426	391	2,016	4,089	7,835	11,085	14,463	17,568
Below Normal (6%)	13,618	13,752	16,589	8,833	3,066	2,326	4,588	6,700	8,225	12,769	16,455	18,753
Dry (13%)	16,369	15,379	13,579	10,256	8,513	5,841	6,785	9,121	11,922	14,313	15,755	16,957
Critical (25%)	15,658	15,613	15,614	10,429	10,212	9,718	10,610	13,238	15,884	17,106	17,600	17,766

Alternative 4 H1 (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-1,191	-232	-918	-2,525	-2,382	-992	**399**	**637**	**520**	**1,047**	**612**	-381
20%	-1,060	-961	-834	-2,763	-290	**353**	**197**	**322**	**65**	**1,564**	**1,394**	-249
30%	-1,460	-1,655	**395**	-2,266	-1,131	**315**	**70**	-113	**354**	**605**	**965**	-303
40%	-1,685	-2,188	**932**	-1,408	-1,578	**694**	**605**	-58	**102**	**666**	**676**	-120
50%	-1,803	**1,028**	**1,037**	-650	**199**	**596**	**563**	**389**	-79	**352**	**1,407**	**192**
60%	**3,265**	**3,175**	**127**	-534	**61**	**130**	**289**	**42**	**601**	**1,092**	**817**	**285**
70%	**5,051**	**3,401**	**468**	**222**	-91	-96	**280**	**262**	-473	**1,589**	**1,333**	**5,349**
80%	**5,909**	**2,565**	-2,200	**83**	-19	-63	**181**	**542**	-169	**1,817**	**1,324**	**8,244**
90%	**5,377**	**1,239**	-143	-61	-3	-13	**28**	**149**	-339	**1,991**	**1,402**	**7,680**
Long Term												
Full Simulation Period[a]	**1,238**	**653**	-56	-994	-596	**60**	**248**	**216**	**56**	**1,017**	**1,102**	**2,236**
Water Year Types[b]												
Wet (31%)	**598**	-716	-394	**9**	-30	-34	**117**	**218**	-91	**1,285**	**1,387**	**7,768**
Above Normal (25%)	-2,192	-1,385	-1,345	-193	-40	-70	**260**	**326**	-399	**1,726**	**1,459**	**5,672**
Below Normal (6%)	**1,790**	**2,045**	**2,513**	**173**	**61**	**130**	**289**	**486**	-169	-238	**1,023**	**878**
Dry (13%)	**5,289**	**3,715**	**506**	-2,062	-785	**503**	**207**	-55	**12**	**803**	**959**	-698
Critical (25%)	-227	-165	-234	-1,497	-1,251	-180	**373**	**334**	**436**	**941**	**863**	-945

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-39-18. Sacramento River at Port Chicago, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	18,324	18,595	18,167	14,600	14,062	11,236	10,711	13,078	16,240	16,711	17,385	18,799
20%	17,894	17,627	17,423	13,776	10,019	9,701	10,352	12,619	14,195	15,013	16,292	18,471
30%	17,547	17,545	15,545	11,625	9,659	7,002	8,423	10,235	12,634	14,644	15,712	18,304
40%	17,406	17,237	14,077	10,476	9,066	4,605	6,264	10,066	12,298	14,405	15,432	17,875
50%	16,920	13,899	13,275	9,210	5,971	3,769	5,178	8,902	11,429	13,370	14,508	17,527
60%	11,828	11,582	13,202	8,075	3,004	2,196	4,299	6,657	10,415	11,190	13,878	17,096
70%	9,531	9,991	12,040	3,445	944	1,052	2,899	6,120	9,618	9,948	13,130	11,896
80%	7,709	8,206	8,840	779	357	446	2,154	4,755	8,394	9,468	13,092	8,715
90%	7,535	5,485	551	465	298	282	622	2,020	6,609	8,268	12,779	8,103
Long Term												
Full Simulation Period[a]	13,821	12,917	11,950	8,105	6,285	4,772	5,772	8,182	11,085	12,514	14,717	14,911
Water Year Types[b]												
Wet (31%)	12,568	8,604	3,905	2,349	528	597	1,759	3,986	6,905	8,411	12,791	8,182
Above Normal (25%)	17,648	17,505	14,986	1,359	466	462	1,756	3,763	8,235	9,359	13,005	11,896
Below Normal (6%)	11,828	11,707	14,077	8,660	3,004	2,196	4,299	6,214	8,394	13,007	15,432	17,875
Dry (13%)	11,080	11,664	13,074	12,318	9,298	5,339	6,578	9,176	11,910	13,509	14,796	17,655
Critical (25%)	15,885	15,777	15,848	11,926	11,463	9,898	10,237	12,904	15,448	16,164	16,737	18,712

Alternative 4 H2 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	17,165	18,227	17,204	13,516	11,955	10,082	10,710	13,637	16,646	17,572	17,950	18,513
20%	16,895	17,341	16,725	12,570	9,952	9,511	10,400	12,604	14,363	16,717	17,887	18,457
30%	16,026	16,364	16,613	10,869	8,884	7,163	8,241	10,132	12,959	15,256	16,627	17,802
40%	15,994	15,477	16,162	9,701	8,012	5,232	6,971	9,991	12,403	15,037	16,396	17,598
50%	15,608	14,664	14,374	8,431	6,260	4,232	5,644	8,254	11,632	14,009	15,690	17,468
60%	14,888	13,971	13,208	7,048	2,839	2,261	3,335	6,199	9,348	12,863	14,987	17,350
70%	14,133	12,998	12,293	3,552	825	953	1,910	5,236	8,588	11,478	14,820	17,256
80%	13,814	10,466	6,200	790	346	378	977	2,865	7,463	11,194	14,757	17,017
90%	12,146	6,025	393	402	293	269	620	1,932	6,300	10,654	14,335	16,561
Long Term												
Full Simulation Period[a]	14,969	13,456	12,015	7,393	5,742	4,722	5,595	7,880	10,947	13,640	15,894	17,209
Water Year Types[b]												
Wet (31%)	13,308	7,711	3,548	2,450	498	561	1,080	3,093	6,210	9,656	14,234	15,603
Above Normal (25%)	15,224	15,855	13,203	1,067	401	388	966	2,637	7,266	11,365	14,813	17,467
Below Normal (6%)	17,116	17,341	16,725	8,203	2,839	2,261	4,479	6,199	8,299	13,010	16,528	18,781
Dry (13%)	15,957	15,052	13,825	10,946	8,831	5,697	6,656	9,151	12,057	14,603	15,867	17,755
Critical (25%)	14,976	15,040	15,923	10,874	10,183	9,495	10,433	13,127	15,852	17,092	17,549	17,638

Alternative 4 H2 (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-1,159	-368	-964	-1,084	-2,108	-1,155	-1	**560**	**406**	**861**	**565**	-286
20%	-999	-286	-698	-1,207	-68	-190	**48**	-15	**168**	**1,704**	**1,595**	-14
30%	-1,522	-1,181	**1,068**	-757	-776	**161**	-182	-104	**326**	**612**	**916**	-502
40%	-1,412	-1,760	**2,086**	-775	-1,054	**627**	**707**	-75	**105**	**632**	**964**	-277
50%	-1,312	**766**	**1,099**	-779	**289**	**463**	**465**	-648	**203**	**639**	**1,182**	-59
60%	**3,060**	**2,389**	**5**	-1,026	-165	**65**	-965	-458	-1,068	**1,673**	**1,110**	**254**
70%	**4,602**	**3,007**	**253**	**108**	-119	-99	-989	-884	-1,030	**1,530**	**1,689**	**5,361**
80%	**6,105**	**2,260**	-2,639	**11**	-11	-69	-1,177	-1,890	-931	**1,725**	**1,665**	**8,301**
90%	**4,610**	**540**	-158	-63	-5	-13	-3	-87	-309	**2,386**	**1,556**	**8,458**
Long Term												
Full Simulation Period[a]	**1,148**	**539**	**65**	-711	-543	-50	-176	-302	-138	**1,125**	**1,177**	**2,298**
Water Year Types[b]												
Wet (31%)	**741**	-894	-357	**101**	-31	-36	-679	-894	-695	**1,245**	**1,443**	**7,421**
Above Normal (25%)	-2,424	-1,650	-1,783	-292	-66	-74	-790	-1,127	-969	**2,005**	**1,809**	**5,571**
Below Normal (6%)	**5,289**	**5,634**	**2,648**	-457	-165	**65**	**180**	-15	-95	**3**	**1,096**	**906**
Dry (13%)	**4,877**	**3,388**	**751**	-1,372	-466	**359**	**78**	-26	**146**	**1,094**	**1,071**	**100**
Critical (25%)	-908	-738	**75**	-1,052	-1,280	-402	**197**	**223**	**403**	**927**	**811**	-1,074

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-39-19. Sacramento River at Port Chicago, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	18,324	18,595	18,167	14,600	14,062	11,236	10,711	13,078	16,240	16,711	17,385	18,799
20%	17,894	17,627	17,423	13,776	10,019	9,701	10,352	12,619	14,195	15,013	16,292	18,471
30%	17,547	17,545	15,545	11,625	9,659	7,002	8,423	10,235	12,634	14,644	15,712	18,304
40%	17,406	17,237	14,077	10,476	9,066	4,605	6,264	10,066	12,298	14,405	15,432	17,875
50%	16,920	13,899	13,275	9,210	5,971	3,769	5,178	8,902	11,429	13,370	14,508	17,527
60%	11,828	11,582	13,202	8,075	3,004	2,196	4,299	6,657	10,415	11,190	13,878	17,096
70%	9,531	9,991	12,040	3,445	944	1,052	2,899	6,120	9,618	9,948	13,130	11,896
80%	7,709	8,206	8,840	779	357	446	2,154	4,755	8,394	9,468	13,092	8,715
90%	7,535	5,485	551	465	298	282	622	2,020	6,609	8,268	12,779	8,103
Long Term												
Full Simulation Period[a]	13,821	12,917	11,950	8,105	6,285	4,772	5,772	8,182	11,085	12,514	14,717	14,911
Water Year Types[b]												
Wet (31%)	12,568	8,604	3,905	2,349	528	597	1,759	3,986	6,905	8,411	12,791	8,182
Above Normal (25%)	17,648	17,505	14,986	1,359	466	462	1,756	3,763	8,235	9,359	13,005	11,896
Below Normal (6%)	11,828	11,707	14,077	8,660	3,004	2,196	4,299	6,214	8,394	13,007	15,432	17,875
Dry (13%)	11,080	11,664	13,074	12,318	9,298	5,339	6,578	9,176	11,910	13,509	14,796	17,655
Critical (25%)	15,885	15,777	15,848	11,926	11,463	9,898	10,237	12,904	15,448	16,164	16,737	18,712

Alternative 4 H3 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	17,330	18,116	16,145	12,332	12,584	10,456	11,076	13,796	16,781	17,775	17,965	18,508
20%	16,922	17,008	14,421	11,286	9,734	10,048	10,512	12,921	14,481	16,764	17,789	18,146
30%	15,839	15,710	13,525	9,825	8,911	7,318	8,519	10,127	12,915	15,429	16,812	17,763
40%	15,054	14,989	13,101	8,530	7,627	5,329	7,073	10,004	12,070	15,006	16,417	17,428
50%	13,271	11,440	12,789	8,237	6,227	4,406	5,834	9,097	11,366	13,863	15,885	17,125
60%	10,970	10,779	12,093	7,812	2,978	2,603	4,674	6,709	11,013	12,306	14,603	15,829
70%	8,999	9,087	11,415	3,540	851	959	3,185	6,409	9,164	11,379	14,560	11,597
80%	7,408	7,781	6,968	877	344	384	2,338	5,216	8,583	11,295	14,510	8,470
90%	7,273	5,379	427	404	299	270	650	2,170	6,254	10,244	14,317	8,123
Long Term												
Full Simulation Period[a]	12,484	11,949	10,859	7,032	5,770	4,902	6,052	8,383	11,153	13,555	15,886	14,553
Water Year Types[b]												
Wet (31%)	11,276	7,843	3,538	2,373	499	564	1,878	4,212	6,837	9,610	14,187	8,169
Above Normal (25%)	14,771	15,551	13,083	1,115	428	391	2,006	4,049	7,783	11,090	14,541	11,597
Below Normal (6%)	10,970	11,097	13,744	8,131	2,978	2,603	4,724	6,709	8,600	13,061	16,549	18,788
Dry (13%)	10,488	11,355	11,466	10,131	8,581	5,862	6,839	9,040	11,808	14,308	15,857	17,287
Critical (25%)	14,434	14,437	14,763	10,429	10,432	9,870	10,647	13,263	15,940	17,193	17,675	17,809

Alternative 4 H3 (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-994	-479	-2,023	-2,268	-1,478	-780	**365**	**718**	**541**	**1,065**	**580**	-292
20%	-972	-619	-3,002	-2,491	-286	**347**	**160**	**302**	**286**	**1,751**	**1,496**	-325
30%	-1,708	-1,834	-2,020	-1,800	-748	**316**	**96**	-108	**281**	**784**	**1,100**	-542
40%	-2,352	-2,249	-976	-1,946	-1,439	**724**	**809**	-62	-228	**601**	**985**	-448
50%	-3,649	-2,459	-486	-972	**256**	**637**	**655**	**195**	-63	**493**	**1,377**	-402
60%	-858	-802	-1,109	-263	-27	**407**	**374**	**52**	**598**	**1,116**	**725**	-1,266
70%	-532	-904	-625	**95**	-93	-94	**286**	**289**	-454	**1,431**	**1,429**	-299
80%	-301	-425	-1,872	**97**	-13	-63	**184**	**461**	**189**	**1,827**	**1,418**	-245
90%	-262	-105	-125	-61	**0**	-12	**27**	**150**	-355	**1,976**	**1,538**	**20**
Long Term												
Full Simulation Period[a]	-1,337	-969	-1,091	-1,072	-515	**130**	**281**	**201**	**68**	**1,040**	**1,169**	-358
Water Year Types[b]												
Wet (31%)	-1,292	-761	-367	**24**	-29	-33	**118**	**226**	-68	**1,199**	**1,396**	-13
Above Normal (25%)	-2,877	-1,954	-1,903	-244	-39	-70	**250**	**286**	-452	**1,730**	**1,537**	-299
Below Normal (6%)	-858	-610	-332	-528	-27	**407**	**425**	**495**	**205**	**54**	**1,117**	**912**
Dry (13%)	-592	-308	-1,608	-2,187	-717	**523**	**261**	-136	-102	**799**	**1,060**	-368
Critical (25%)	-1,450	-1,340	-1,085	-1,498	-1,031	-28	**411**	**360**	**492**	**1,028**	**938**	-902

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-39-20. Sacramento River at Port Chicago, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	18,324	18,595	18,167	14,600	14,062	11,236	10,711	13,078	16,240	16,711	17,385	18,799
20%	17,894	17,627	17,423	13,776	10,019	9,701	10,352	12,619	14,195	15,013	16,292	18,471
30%	17,547	17,545	15,545	11,625	9,659	7,002	8,423	10,235	12,634	14,644	15,712	18,304
40%	17,406	17,237	14,077	10,476	9,066	4,605	6,264	10,066	12,298	14,405	15,432	17,875
50%	16,920	13,899	13,275	9,210	5,971	3,769	5,178	8,902	11,429	13,370	14,508	17,527
60%	11,828	11,582	13,202	8,075	3,004	2,196	4,299	6,657	10,415	11,190	13,878	17,096
70%	9,531	9,991	12,040	3,445	944	1,052	2,899	6,120	9,618	9,948	13,130	11,896
80%	7,709	8,206	8,840	779	357	446	2,154	4,755	8,394	9,468	13,092	8,715
90%	7,535	5,485	551	465	298	282	622	2,020	6,609	8,268	12,779	8,103
Long Term												
Full Simulation Period[a]	13,821	12,917	11,950	8,105	6,285	4,772	5,772	8,182	11,085	12,514	14,717	14,911
Water Year Types[b]												
Wet (31%)	12,568	8,604	3,905	2,349	528	597	1,759	3,986	6,905	8,411	12,791	8,182
Above Normal (25%)	17,648	17,505	14,986	1,359	466	462	1,756	3,763	8,235	9,359	13,005	11,896
Below Normal (6%)	11,828	11,707	14,077	8,660	3,004	2,196	4,299	6,214	8,394	13,007	15,432	17,875
Dry (13%)	11,080	11,664	13,074	12,318	9,298	5,339	6,578	9,176	11,910	13,509	14,796	17,655
Critical (25%)	15,885	15,777	15,848	11,926	11,463	9,898	10,237	12,904	15,448	16,164	16,737	18,712

Alternative 4 H4 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	17,335	17,723	17,169	14,237	13,254	10,441	10,900	13,575	16,630	17,540	17,816	18,407
20%	16,247	16,605	15,499	12,562	11,667	9,864	10,362	12,607	14,364	16,720	17,582	17,592
30%	15,235	15,431	13,673	11,642	9,136	7,168	8,201	10,132	12,967	15,322	16,710	17,482
40%	13,828	13,770	13,074	8,751	7,608	5,533	6,928	10,010	12,424	15,219	16,341	17,323
50%	12,912	11,485	12,767	8,330	6,260	4,210	5,743	8,265	11,710	14,015	15,818	17,249
60%	10,865	10,816	11,858	7,833	2,878	2,584	3,357	6,210	9,458	12,568	15,101	17,146
70%	8,982	8,325	11,389	3,617	829	952	1,901	5,314	8,336	11,415	14,872	11,665
80%	7,374	7,803	6,961	786	355	382	977	2,865	7,497	11,180	14,729	8,458
90%	7,246	5,498	450	396	298	269	614	1,950	6,288	10,646	14,383	8,140
Long Term												
Full Simulation Period[a]	12,261	11,692	11,019	7,702	6,064	4,849	5,632	7,891	10,935	13,610	15,900	14,568
Water Year Types[b]												
Wet (31%)	10,835	7,538	3,543	2,449	501	561	1,075	3,132	6,236	9,620	14,296	8,160
Above Normal (25%)	14,957	15,580	13,254	1,097	407	389	961	2,654	7,275	11,360	14,872	11,665
Below Normal (6%)	10,865	11,085	13,725	7,993	2,878	2,584	4,625	6,210	7,794	12,568	16,341	18,779
Dry (13%)	10,442	11,322	11,703	10,341	8,700	5,689	6,672	9,160	12,093	14,673	15,937	17,835
Critical (25%)	14,057	13,879	15,017	12,377	11,305	9,845	10,516	13,113	15,860	17,062	17,477	17,400

Alternative 4 H4 (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-989	-872	-998	-363	-809	-795	**189**	**497**	**390**	**829**	**432**	-393
20%	-1,647	-1,022	-1,924	-1,214	**1,648**	**163**	**10**	-12	**169**	**1,707**	**1,290**	-879
30%	-2,312	-2,114	-1,873	**17**	-523	**166**	-222	-104	**333**	**678**	**999**	-822
40%	-3,578	-3,467	-1,003	-1,725	-1,457	**928**	**664**	-57	**126**	**814**	**909**	-552
50%	-4,008	-2,413	-508	-880	**289**	**441**	**565**	-637	**281**	**645**	**1,310**	-278
60%	-962	-766	-1,344	-242	-126	**388**	-942	-448	-957	**1,378**	**1,224**	**50**
70%	-549	-1,667	-650	**173**	-115	-100	-998	-805	-1,282	**1,466**	**1,741**	-231
80%	-335	-403	-1,878	**6**	-2	-65	-1,176	-1,890	-897	**1,711**	**1,637**	-257
90%	-290	**13**	-102	-69	0	-14	-9	-70	-321	**2,378**	**1,604**	**37**
Long Term												
Full Simulation Period[a]	-1,560	-1,225	-931	-403	-221	**77**	-140	-291	-150	**1,096**	**1,183**	-343
Water Year Types[b]												
Wet (31%)	-1,733	-1,066	-362	**100**	-27	-36	-684	-854	-669	**1,208**	**1,505**	-22
Above Normal (25%)	-2,691	-1,925	-1,732	-262	-59	-73	-795	-1,109	-959	**2,001**	**1,867**	-231
Below Normal (6%)	-962	-622	-351	-666	-126	**388**	**326**	-4	-600	-439	**909**	**904**
Dry (13%)	-638	-342	-1,371	-1,977	-598	**351**	**94**	-16	**183**	**1,163**	**1,141**	**179**
Critical (25%)	-1,828	-1,899	-831	**450**	-158	-53	**279**	**209**	**412**	**897**	**740**	-1,312

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-39-21. Sacramento River at Port Chicago, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	18,324	18,595	18,167	14,600	14,062	11,236	10,711	13,078	16,240	16,711	17,385	18,799
20%	17,894	17,627	17,423	13,776	10,019	9,701	10,352	12,619	14,195	15,013	16,292	18,471
30%	17,547	17,545	15,545	11,625	9,659	7,002	8,423	10,235	12,634	14,644	15,712	18,304
40%	17,406	17,237	14,077	10,476	9,066	4,605	6,264	10,066	12,298	14,405	15,432	17,875
50%	16,920	13,899	13,275	9,210	5,971	3,769	5,178	8,902	11,429	13,370	14,508	17,527
60%	11,828	11,582	13,202	8,075	3,004	2,196	4,299	6,657	10,415	11,190	13,878	17,096
70%	9,531	9,991	12,040	3,445	944	1,052	2,899	6,120	9,618	9,948	13,130	11,896
80%	7,709	8,206	8,840	779	357	446	2,154	4,755	8,394	9,468	13,092	8,715
90%	7,535	5,485	551	465	298	282	622	2,020	6,609	8,268	12,779	8,103
Long Term												
Full Simulation Period[a]	13,821	12,917	11,950	8,105	6,285	4,772	5,772	8,182	11,085	12,514	14,717	14,911
Water Year Types[b]												
Wet (31%)	12,568	8,604	3,905	2,349	528	597	1,759	3,986	6,905	8,411	12,791	8,182
Above Normal (25%)	17,648	17,505	14,986	1,359	466	462	1,756	3,763	8,235	9,359	13,005	11,896
Below Normal (6%)	11,828	11,707	14,077	8,660	3,004	2,196	4,299	6,214	8,394	13,007	15,432	17,875
Dry (13%)	11,080	11,664	13,074	12,318	9,298	5,339	6,578	9,176	11,910	13,509	14,796	17,655
Critical (25%)	15,885	15,777	15,848	11,926	11,463	9,898	10,237	12,904	15,448	16,164	16,737	18,712

Alternative 5 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	17,954	17,657	17,249	14,481	12,971	11,152	10,811	13,452	16,570	17,433	17,932	18,362
20%	17,824	16,452	16,677	13,731	10,800	9,872	9,847	13,008	14,513	16,803	17,705	18,098
30%	16,854	15,665	14,200	11,159	9,925	7,602	8,517	10,276	13,211	15,167	16,758	17,831
40%	15,293	14,516	13,678	10,570	8,532	5,008	6,839	10,087	12,627	14,674	15,563	17,695
50%	14,485	12,841	13,196	9,986	6,276	4,114	5,570	9,343	11,688	13,804	15,482	17,222
60%	11,627	11,218	12,715	8,681	3,271	2,528	4,618	6,649	11,018	12,471	15,002	16,556
70%	9,360	9,855	11,817	3,419	830	946	3,108	6,484	9,665	11,697	14,819	11,570
80%	7,608	7,749	8,925	864	334	385	2,305	5,330	8,594	11,265	14,497	8,477
90%	7,327	5,464	428	390	290	262	575	2,155	6,460	10,516	13,916	8,038
Long Term												
Full Simulation Period[a]	13,114	12,112	11,502	7,972	6,115	4,929	5,900	8,409	11,329	13,533	15,769	14,596
Water Year Types[b]												
Wet (31%)	12,607	8,481	3,879	2,712	492	557	1,855	4,213	6,916	9,818	14,267	8,108
Above Normal (25%)	17,139	17,630	13,809	1,091	407	385	1,846	4,165	8,357	11,279	14,447	11,570
Below Normal (6%)	11,627	11,218	13,435	8,681	3,271	2,528	4,629	6,649	8,594	13,032	16,224	18,354
Dry (13%)	11,000	11,281	13,006	12,533	9,593	5,915	6,816	9,276	12,152	14,345	15,703	17,545
Critical (25%)	13,896	13,654	15,088	11,143	10,682	9,935	10,280	13,123	15,938	16,855	17,461	17,886

Alternative 5 (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-370	-938	-918	-119	-1,091	-84	**100**	**374**	**330**	**722**	**548**	-437
20%	-70	-1,175	-746	-45	**780**	**171**	-505	**389**	**318**	**1,790**	**1,413**	-373
30%	-693	-1,880	-1,345	-466	**265**	**600**	**94**	**40**	**577**	**523**	**1,047**	-474
40%	-2,112	-2,721	-399	**95**	-534	**403**	**575**	**21**	**329**	**269**	**131**	-181
50%	-2,435	-1,058	-80	**777**	**305**	**345**	**392**	**441**	**259**	**434**	**974**	-305
60%	-200	-364	-487	**606**	**266**	**332**	**319**	-8	**603**	**1,281**	**1,125**	-540
70%	-172	-136	-222	-26	-114	-106	**208**	**364**	**46**	**1,749**	**1,689**	-325
80%	-101	-457	**85**	**85**	-23	-61	**152**	**575**	**200**	**1,796**	**1,405**	-239
90%	-209	-21	-123	-75	-8	-21	-48	**136**	-150	**2,248**	**1,137**	-65
Long Term												
Full Simulation Period[a]	-707	-805	-448	-132	-170	**157**	**129**	**227**	**244**	**1,018**	**1,052**	-315
Water Year Types[b]												
Wet (31%)	**40**	-123	-26	**364**	-37	-40	**96**	**227**	**11**	**1,407**	**1,477**	-74
Above Normal (25%)	-509	**125**	-1,177	-268	-59	-76	**90**	**402**	**122**	**1,919**	**1,442**	-325
Below Normal (6%)	-200	-489	-641	**21**	**266**	**332**	**329**	**435**	**200**	**25**	**792**	**479**
Dry (13%)	-80	-382	-67	**216**	**295**	**576**	**237**	**99**	**241**	**836**	**907**	-111
Critical (25%)	-1,988	-2,123	-759	-784	-781	**37**	**43**	**219**	**490**	**691**	**724**	-825

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-39-22. Sacramento River at Port Chicago, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	18,324	18,595	18,167	14,600	14,062	11,236	10,711	13,078	16,240	16,711	17,385	18,799
20%	17,894	17,627	17,423	13,776	10,019	9,701	10,352	12,619	14,195	15,013	16,292	18,471
30%	17,547	17,545	15,545	11,625	9,659	7,002	8,423	10,235	12,634	14,644	15,712	18,304
40%	17,406	17,237	14,077	10,476	9,066	4,605	6,264	10,066	12,298	14,405	15,432	17,875
50%	16,920	13,899	13,275	9,210	5,971	3,769	5,178	8,902	11,429	13,370	14,508	17,527
60%	11,828	11,582	13,202	8,075	3,004	2,196	4,299	6,657	10,415	11,190	13,878	17,096
70%	9,531	9,991	12,040	3,445	944	1,052	2,899	6,120	9,618	9,948	13,130	11,896
80%	7,709	8,206	8,840	779	357	446	2,154	4,755	8,394	9,468	13,092	8,715
90%	7,535	5,485	551	465	298	282	622	2,020	6,609	8,268	12,779	8,103
Long Term												
Full Simulation Period[a]	13,821	12,917	11,950	8,105	6,285	4,772	5,772	8,182	11,085	12,514	14,717	14,911
Water Year Types[b]												
Wet (31%)	12,568	8,604	3,905	2,349	528	597	1,759	3,986	6,905	8,411	12,791	8,182
Above Normal (25%)	17,648	17,505	14,986	1,359	466	462	1,756	3,763	8,235	9,359	13,005	11,896
Below Normal (6%)	11,828	11,707	14,077	8,660	3,004	2,196	4,299	6,214	8,394	13,007	15,432	17,875
Dry (13%)	11,080	11,664	13,074	12,318	9,298	5,339	6,578	9,176	11,910	13,509	14,796	17,655
Critical (25%)	15,885	15,777	15,848	11,926	11,463	9,898	10,237	12,904	15,448	16,164	16,737	18,712

Alternative 6A,6B,6C (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	15,484	15,067	12,482	10,452	10,746	8,620	10,246	12,646	15,463	17,613	17,405	16,362
20%	14,229	13,252	11,963	8,234	8,094	6,919	8,761	12,347	14,276	16,448	16,795	15,979
30%	13,194	12,271	10,539	8,058	6,266	5,384	6,916	9,942	12,882	15,833	16,197	15,091
40%	12,734	11,886	9,448	5,539	5,371	3,993	6,170	9,844	12,512	15,219	15,654	14,551
50%	12,434	11,148	8,269	4,839	3,745	3,305	5,100	8,756	11,639	14,785	15,158	14,231
60%	10,581	10,260	7,417	4,500	1,785	1,809	4,076	6,474	10,223	12,428	13,969	13,525
70%	9,051	7,496	7,282	2,417	839	938	2,990	5,697	8,641	11,131	12,609	11,409
80%	7,319	5,415	3,977	458	325	404	2,159	4,614	7,806	10,761	12,478	8,081
90%	7,165	4,079	362	409	293	269	649	2,139	6,131	10,167	11,929	7,741
Long Term												
Full Simulation Period[a]	11,342	9,939	7,934	5,424	4,588	3,924	5,409	7,951	10,804	13,519	14,456	12,938
Water Year Types[b]												
Wet (31%)	9,623	5,440	2,049	1,418	486	550	1,743	3,820	6,546	8,932	11,162	7,773
Above Normal (25%)	14,599	14,096	9,118	792	428	409	1,858	3,711	7,353	10,907	12,387	11,409
Below Normal (6%)	10,524	10,260	10,133	4,622	1,785	1,809	4,076	5,901	7,806	12,428	13,969	13,525
Dry (13%)	10,051	9,502	8,444	7,040	6,202	4,143	5,749	8,979	12,126	15,048	15,678	14,661
Critical (25%)	12,610	12,161	11,319	9,351	8,802	8,277	9,757	12,538	15,133	17,227	17,039	16,188

Alternative 6A,6B,6C (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-2,840	-3,528	-5,685	-4,148	-3,317	-2,616	-465	-431	-777	**902**	**20**	-2,437
20%	-3,665	-4,375	-5,460	-5,542	-1,926	-2,782	-1,591	-272	**81**	**1,435**	**503**	-2,492
30%	-4,353	-5,273	-5,007	-3,567	-3,393	-1,618	-1,507	-294	**248**	**1,188**	**486**	-3,213
40%	-4,671	-5,351	-4,628	-4,936	-3,694	-613	-95	-222	**214**	**814**	**222**	-3,324
50%	-4,486	-2,751	-5,006	-4,371	-2,226	-464	-79	-146	**210**	**1,415**	**651**	-3,296
60%	-1,247	-1,322	-5,786	-3,575	-1,219	-387	-224	-183	-193	**1,238**	**92**	-3,571
70%	-480	-2,495	-4,757	-1,027	-104	-114	**90**	-423	-978	**1,182**	-521	-487
80%	-390	-2,791	-4,863	-322	-32	-43	**5**	-141	-588	**1,293**	-614	-634
90%	-371	-1,406	-189	-56	-6	-13	**26**	**119**	-479	**1,899**	-850	-362
Long Term												
Full Simulation Period[a]	-2,479	-2,978	-4,017	-2,680	-1,697	-848	-362	-231	-281	**1,004**	-261	-1,972
Water Year Types[b]												
Wet (31%)	-2,945	-3,164	-1,856	-931	-42	-47	-16	-166	-359	**521**	-1,629	-409
Above Normal (25%)	-3,049	-3,409	-5,868	-567	-39	-53	**102**	-53	-881	**1,547**	-618	-487
Below Normal (6%)	-1,304	-1,447	-3,943	-4,038	-1,219	-387	-224	-313	-588	-579	-1,463	-4,351
Dry (13%)	-1,029	-2,162	-4,629	-5,278	-3,095	-1,196	-829	-197	**215**	**1,539**	**882**	-2,994
Critical (25%)	-3,275	-3,616	-4,529	-2,576	-2,660	-1,621	-479	-366	-316	**1,062**	**302**	-2,524

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-39-23. Sacramento River at Port Chicago, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	18,324	18,595	18,167	14,600	14,062	11,236	10,711	13,078	16,240	16,711	17,385	18,799
20%	17,894	17,627	17,423	13,776	10,019	9,701	10,352	12,619	14,195	15,013	16,292	18,471
30%	17,547	17,545	15,545	11,625	9,659	7,002	8,423	10,235	12,634	14,644	15,712	18,304
40%	17,406	17,237	14,077	10,476	9,066	4,605	6,264	10,066	12,298	14,405	15,432	17,875
50%	16,920	13,899	13,275	9,210	5,971	3,769	5,178	8,902	11,429	13,370	14,508	17,527
60%	11,828	11,582	13,202	8,075	3,004	2,196	4,299	6,657	10,415	11,190	13,878	17,096
70%	9,531	9,991	12,040	3,445	944	1,052	2,899	6,120	9,618	9,948	13,130	11,896
80%	7,709	8,206	8,840	779	357	446	2,154	4,755	8,394	9,468	13,092	8,715
90%	7,535	5,485	551	465	298	282	622	2,020	6,609	8,268	12,779	8,103
Long Term												
Full Simulation Period[a]	13,821	12,917	11,950	8,105	6,285	4,772	5,772	8,182	11,085	12,514	14,717	14,911
Water Year Types[b]												
Wet (31%)	12,568	8,604	3,905	2,349	528	597	1,759	3,986	6,905	8,411	12,791	8,182
Above Normal (25%)	17,648	17,505	14,986	1,359	466	462	1,756	3,763	8,235	9,359	13,005	11,896
Below Normal (6%)	11,828	11,707	14,077	8,660	3,004	2,196	4,299	6,214	8,394	13,007	15,432	17,875
Dry (13%)	11,080	11,664	13,074	12,318	9,298	5,339	6,578	9,176	11,910	13,509	14,796	17,655
Critical (25%)	15,885	15,777	15,848	11,926	11,463	9,898	10,237	12,904	15,448	16,164	16,737	18,712

Alternative 7 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	16,956	15,056	12,865	10,411	10,647	8,370	9,992	12,118	13,557	16,353	17,349	18,037
20%	16,270	13,434	12,051	8,128	7,999	6,789	8,642	11,642	12,986	15,770	17,193	17,814
30%	15,843	13,204	10,066	7,958	6,248	5,244	6,836	9,998	12,266	15,019	16,589	17,775
40%	15,768	12,800	9,226	5,914	5,216	3,548	5,980	9,884	12,104	14,998	15,766	17,489
50%	14,794	11,460	8,171	4,935	3,591	3,208	4,916	8,642	10,939	13,825	15,270	17,418
60%	10,493	10,322	7,507	4,820	2,055	1,873	3,879	6,396	9,731	12,810	15,016	17,350
70%	8,651	7,508	7,394	2,334	837	957	2,981	5,644	8,069	11,228	14,918	11,646
80%	7,212	5,636	4,120	465	319	406	2,111	4,638	7,099	10,671	14,623	8,510
90%	6,819	4,072	370	399	289	273	638	1,988	5,898	10,432	14,443	8,131
Long Term												
Full Simulation Period[a]	12,472	10,210	7,952	5,436	4,541	3,827	5,305	7,721	9,976	13,202	15,677	14,599
Water Year Types[b]												
Wet (31%)	10,788	5,651	2,111	1,508	486	562	1,735	3,796	6,147	9,700	14,458	8,179
Above Normal (25%)	16,764	14,061	8,710	761	418	408	1,859	3,640	6,689	10,641	14,612	11,646
Below Normal (6%)	10,493	10,607	10,180	4,820	2,055	1,873	3,879	5,744	7,882	12,904	15,766	17,380
Dry (13%)	10,005	9,601	8,444	7,054	6,077	3,955	5,603	8,923	11,720	14,398	15,528	17,836
Critical (25%)	14,471	12,726	11,483	9,277	8,701	8,093	9,587	11,927	13,379	16,130	17,179	17,771

Alternative 7 (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-1,368	-3,539	-5,302	-4,189	-3,416	-2,866	-718	-959	-2,682	-358	-35	-763
20%	-1,624	-4,193	-5,373	-5,648	-2,020	-2,911	-1,710	-977	-1,209	**757**	**901**	-657
30%	-1,705	-4,341	-5,480	-3,667	-3,411	-1,759	-1,587	-238	-368	**374**	**877**	-530
40%	-1,638	-4,437	-4,851	-4,562	-3,850	-1,057	-285	-182	-194	**593**	**334**	-386
50%	-2,126	-2,439	-5,104	-4,275	-2,380	-561	-263	-260	-490	**455**	**762**	-109
60%	-1,335	-1,260	-5,695	-3,255	-949	-323	-420	-261	-684	**1,620**	**1,139**	**254**
70%	-880	-2,483	-4,646	-1,110	-107	-96	**82**	-476	-1,550	**1,280**	**1,788**	-249
80%	-497	-2,570	-4,720	-315	-38	-41	-42	-117	-1,295	**1,203**	**1,531**	-205
90%	-716	-1,413	-181	-66	-9	-9	**16**	-32	-712	**2,163**	**1,665**	**28**
Long Term												
Full Simulation Period[a]	-1,349	-2,707	-3,998	-2,669	-1,744	-945	-466	-461	-1,109	**687**	**960**	-312
Water Year Types[b]												
Wet (31%)	-1,780	-2,953	-1,793	-841	-42	-35	-25	-191	-758	**1,289**	**1,667**	-2
Above Normal (25%)	-884	-3,445	-6,276	-598	-48	-54	**103**	-124	-1,546	**1,282**	**1,608**	-249
Below Normal (6%)	-1,335	-1,100	-3,897	-3,840	-949	-323	-420	-470	-513	-103	**334**	-495
Dry (13%)	-1,075	-2,063	-4,630	-5,264	-3,220	-1,383	-975	-253	-191	**889**	**732**	**181**
Critical (25%)	-1,414	-3,052	-4,364	-2,649	-2,761	-1,804	-650	-977	-2,070	-34	**442**	-941

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-39-24. Sacramento River at Port Chicago, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	18,324	18,595	18,167	14,600	14,062	11,236	10,711	13,078	16,240	16,711	17,385	18,799
20%	17,894	17,627	17,423	13,776	10,019	9,701	10,352	12,619	14,195	15,013	16,292	18,471
30%	17,547	17,545	15,545	11,625	9,659	7,002	8,423	10,235	12,634	14,644	15,712	18,304
40%	17,406	17,237	14,077	10,476	9,066	4,605	6,264	10,066	12,298	14,405	15,432	17,875
50%	16,920	13,899	13,275	9,210	5,971	3,769	5,178	8,902	11,429	13,370	14,508	17,527
60%	11,828	11,582	13,202	8,075	3,004	2,196	4,299	6,657	10,415	11,190	13,878	17,096
70%	9,531	9,991	12,040	3,445	944	1,052	2,899	6,120	9,618	9,948	13,130	11,896
80%	7,709	8,206	8,840	779	357	446	2,154	4,755	8,394	9,468	13,092	8,715
90%	7,535	5,485	551	465	298	282	622	2,020	6,609	8,268	12,779	8,103
Long Term												
Full Simulation Period[a]	13,821	12,917	11,950	8,105	6,285	4,772	5,772	8,182	11,085	12,514	14,717	14,911
Water Year Types[b]												
Wet (31%)	12,568	8,604	3,905	2,349	528	597	1,759	3,986	6,905	8,411	12,791	8,182
Above Normal (25%)	17,648	17,505	14,986	1,359	466	462	1,756	3,763	8,235	9,359	13,005	11,896
Below Normal (6%)	11,828	11,707	14,077	8,660	3,004	2,196	4,299	6,214	8,394	13,007	15,432	17,875
Dry (13%)	11,080	11,664	13,074	12,318	9,298	5,339	6,578	9,176	11,910	13,509	14,796	17,655
Critical (25%)	15,885	15,777	15,848	11,926	11,463	9,898	10,237	12,904	15,448	16,164	16,737	18,712

Alternative 8 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	17,604	15,745	12,871	10,390	10,074	6,496	8,440	11,016	13,088	16,178	17,393	18,488
20%	17,501	14,923	12,609	8,275	7,892	6,012	7,781	9,943	12,004	15,124	17,227	18,214
30%	16,458	13,092	10,419	7,461	5,387	4,677	5,018	9,304	11,806	15,097	16,791	17,864
40%	15,845	12,654	9,361	5,511	4,498	2,485	4,313	7,775	11,399	14,959	16,618	17,787
50%	15,475	11,497	8,256	4,439	3,091	2,220	4,009	7,130	10,429	14,408	16,375	17,776
60%	10,248	10,443	7,599	3,609	1,470	1,556	3,247	5,159	9,260	13,044	16,127	17,658
70%	8,763	7,655	7,510	2,193	851	966	2,351	4,408	7,627	10,924	14,881	11,634
80%	7,239	6,085	4,007	442	318	385	1,820	4,023	6,874	10,665	14,674	8,288
90%	6,980	3,817	364	401	278	273	541	1,634	5,786	10,405	14,277	8,148
Long Term												
Full Simulation Period[a]	12,733	10,419	8,079	5,213	4,219	3,266	4,465	6,751	9,584	13,199	15,950	14,762
Water Year Types[b]												
Wet (31%)	11,117	5,708	2,132	1,190	502	568	1,526	3,220	5,860	9,510	14,303	8,119
Above Normal (25%)	16,583	14,147	9,102	764	389	395	1,491	3,092	6,538	10,650	14,653	11,634
Below Normal (6%)	10,248	10,464	10,162	4,423	1,470	1,556	3,247	4,032	7,380	13,044	16,331	18,214
Dry (13%)	10,496	10,056	8,585	6,726	5,274	2,924	4,196	7,900	11,528	14,763	16,509	18,320
Critical (25%)	14,773	12,978	11,606	9,158	8,430	7,188	8,464	10,665	12,668	15,948	17,263	17,792

Alternative 8 (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-719	-2,850	-5,297	-4,210	-3,988	-4,740	-2,271	-2,062	-3,152	-533	**8**	-312
20%	-394	-2,704	-4,814	-5,502	-2,127	-3,689	-2,571	-2,676	-2,191	**111**	**935**	-257
30%	-1,089	-4,453	-5,126	-4,164	-4,273	-2,326	-3,405	-932	-828	**453**	**1,079**	-440
40%	-1,561	-4,584	-4,715	-4,965	-4,568	-2,120	-1,952	-2,291	-899	**554**	**1,186**	-88
50%	-1,445	-2,401	-5,019	-4,771	-2,879	-1,549	-1,170	-1,772	-1,000	**1,037**	**1,867**	**249**
60%	-1,580	-1,139	-5,603	-4,466	-1,534	-640	-1,052	-1,498	-1,156	**1,854**	**2,249**	**563**
70%	-768	-2,337	-4,530	-1,252	-93	-86	-548	-1,711	-1,991	**976**	**1,751**	-261
80%	-470	-2,122	-4,833	-337	-39	-61	-334	-732	-1,520	**1,196**	**1,582**	-428
90%	-555	-1,668	-187	-64	-20	-9	-82	-386	-823	**2,137**	**1,499**	**45**
Long Term												
Full Simulation Period[a]	-1,088	-2,498	-3,871	-2,892	-2,066	-1,506	-1,307	-1,430	-1,501	**684**	**1,233**	-148
Water Year Types[b]												
Wet (31%)	-1,451	-2,897	-1,773	-1,159	-27	-29	-233	-766	-1,045	**1,099**	**1,513**	-63
Above Normal (25%)	-1,065	-3,358	-5,884	-596	-78	-67	-265	-671	-1,696	**1,291**	**1,648**	-261
Below Normal (6%)	-1,580	-1,243	-3,914	-4,237	-1,534	-640	-1,052	-2,182	-1,014	**37**	**899**	**339**
Dry (13%)	-583	-1,608	-4,489	-5,592	-4,023	-2,415	-2,382	-1,277	-382	**1,254**	**1,713**	**665**
Critical (25%)	-1,111	-2,799	-4,242	-2,768	-3,032	-2,710	-1,773	-2,239	-2,780	-216	**526**	-920

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Positive differences are highted in red color which indicate increase in Salinity (EC)

"LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

Table C-39-25. Sacramento River at Port Chicago, Monthly EC

No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	18,324	18,595	18,167	14,600	14,062	11,236	10,711	13,078	16,240	16,711	17,385	18,799
20%	17,894	17,627	17,423	13,776	10,019	9,701	10,352	12,619	14,195	15,013	16,292	18,471
30%	17,547	17,545	15,545	11,625	9,659	7,002	8,423	10,235	12,634	14,644	15,712	18,304
40%	17,406	17,237	14,077	10,476	9,066	4,605	6,264	10,066	12,298	14,405	15,432	17,875
50%	16,920	13,899	13,275	9,210	5,971	3,769	5,178	8,902	11,429	13,370	14,508	17,527
60%	11,828	11,582	13,202	8,075	3,004	2,196	4,299	6,657	10,415	11,190	13,878	17,096
70%	9,531	9,991	12,040	3,445	944	1,052	2,899	6,120	9,618	9,948	13,130	11,896
80%	7,709	8,206	8,840	779	357	446	2,154	4,755	8,394	9,468	13,092	8,715
90%	7,535	5,485	551	465	298	282	622	2,020	6,609	8,268	12,779	8,103
Long Term												
Full Simulation Period[a]	13,821	12,917	11,950	8,105	6,285	4,772	5,772	8,182	11,085	12,514	14,717	14,911
Water Year Types[b]												
Wet (31%)	12,568	8,604	3,905	2,349	528	597	1,759	3,986	6,905	8,411	12,791	8,182
Above Normal (25%)	17,648	17,505	14,986	1,359	466	462	1,756	3,763	8,235	9,359	13,005	11,896
Below Normal (6%)	11,828	11,707	14,077	8,660	3,004	2,196	4,299	6,214	8,394	13,007	15,432	17,875
Dry (13%)	11,080	11,664	13,074	12,318	9,298	5,339	6,578	9,176	11,910	13,509	14,796	17,655
Critical (25%)	15,885	15,777	15,848	11,926	11,463	9,898	10,237	12,904	15,448	16,164	16,737	18,712

Alternative 9 (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	19,321	19,932	19,491	17,237	14,857	10,580	10,461	13,092	15,831	16,796	16,957	18,177
20%	18,880	18,972	18,427	13,224	12,468	9,578	8,582	12,505	14,289	16,566	16,208	18,113
30%	18,695	18,779	16,431	12,394	8,959	6,712	7,285	8,635	11,764	15,147	15,891	17,822
40%	18,220	18,674	15,703	9,827	7,659	3,936	6,491	8,381	11,214	14,808	15,761	17,595
50%	17,549	14,916	13,495	8,721	5,543	3,602	5,609	8,139	10,806	14,125	15,400	17,434
60%	11,572	11,166	13,062	7,696	2,145	1,488	4,753	7,407	10,354	13,029	14,728	16,896
70%	9,309	9,451	11,694	3,151	692	757	3,142	6,857	9,038	11,899	14,370	11,974
80%	7,318	7,805	8,411	916	305	354	2,234	5,714	8,805	10,346	14,225	8,605
90%	7,194	5,344	420	383	281	256	539	2,010	6,788	9,787	13,653	8,055
Long Term												
Full Simulation Period[a]	14,176	13,479	12,455	8,480	6,327	4,571	5,637	7,889	10,667	13,405	15,234	14,670
Water Year Types[b]												
Wet (31%)	12,468	8,667	4,185	2,363	429	461	1,921	4,374	6,618	9,516	13,833	8,147
Above Normal (25%)	19,020	19,319	16,431	1,302	370	365	1,819	4,296	8,299	10,762	13,959	11,974
Below Normal (6%)	11,572	11,412	13,676	7,696	2,145	1,488	4,753	7,407	8,805	13,029	15,761	18,125
Dry (13%)	11,229	11,928	13,548	12,088	8,618	4,781	6,004	7,875	11,084	14,636	15,646	17,660
Critical (25%)	16,482	16,648	16,363	13,514	12,432	9,991	10,019	12,246	14,891	16,664	16,430	17,882

Alternative 9 (LLT) minus No Action Alternative (LLT)

	Monthly EC (UMHOS/CM)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	**997**	**1,338**	**1,324**	**2,637**	**795**	-656	-250	**14**	-409	**85**	-427	-623
20%	**985**	**1,345**	**1,004**	-553	**2,448**	-122	-1,770	-114	**94**	**1,553**	-84	-358
30%	**1,148**	**1,235**	**885**	**769**	-700	-291	-1,138	-1,600	-870	**502**	**179**	-483
40%	**814**	**1,437**	**1,626**	-649	-1,407	-669	**227**	-1,685	-1,084	**403**	**329**	-280
50%	**629**	**1,017**	**220**	-489	-427	-167	**430**	-762	-623	**754**	**892**	-93
60%	-256	-415	-140	-379	-859	-708	**454**	**749**	-62	**1,839**	**850**	-199
70%	-222	-540	-345	-294	-252	-295	**243**	**738**	-580	**1,951**	**1,239**	**79**
80%	-391	-401	-429	**136**	-51	-92	**81**	**959**	**411**	**878**	**1,133**	-110
90%	-341	-141	-132	-82	-17	-26	-84	-10	**179**	**1,519**	**874**	-48
Long Term												
Full Simulation Period[a]	**355**	**562**	**505**	**375**	**42**	-201	-135	-293	-419	**891**	**517**	-241
Water Year Types[b]												
Wet (31%)	-99	**63**	**280**	**14**	-99	-135	**162**	**388**	-286	**1,104**	**1,042**	-35
Above Normal (25%)	**1,372**	**1,814**	**1,445**	-57	-97	-97	**63**	**532**	**65**	**1,403**	**954**	**79**
Below Normal (6%)	-256	-296	-400	-964	-859	-708	**454**	**1,193**	**411**	**22**	**329**	**250**
Dry (13%)	**149**	**264**	**474**	-229	-679	-558	-574	-1,301	-827	**1,126**	**849**	**5**
Critical (25%)	**597**	**871**	**515**	**1,587**	**969**	**93**	-217	-658	-557	**500**	-307	-829

a Based on the 16-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

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