Appendix 5A

Section C: CALSIM II and DSM2 Modeling Results

Appendix 5A

Section C: CALSIM II and DSM2 Modeling Results

Outline

Introduction

Appropriate use of Model Results

C.1. Trinity Storage

C.2. Shasta Storage

C.3. Oroville Storage

C.4. Folsom Storage

C.5. San Luis Storage

C.6. New Melones Storage

C.7. Delta Outflow

C.8. X2 Results

C.9. Old and Middle River Flow

C.10. Total Delta Exports

C.11. Isolated Facility Exports

C.12. SWP and CVP South Delta Exports

C.13. SWP and CVP Deliveries

C.14. Trinity River Flow below Lewiston

C.15. Sacramento River Flow downstream of Keswick Reservoir

C.16. Sacramento River Flow at Bend Bridge

C.17. Feather River Flow downstream of Thermalito

C.18. Fremont Weir Spills

C.19. American River Flow downstream of Folsom

C.20. Sacramento River Flow at Freeport

C.21. Sacramento River Flow downstream of North Delta Diversion

C.22. Yolo Bypass Flow

C.23. San Joaquin River Flow at Vernalis

C.24. Sacramento River Flow a Rio Vista

C.25. Sutter and Steamboat Slough Flows

C.26. Steamboat Slough downstream of Sutter Slough Water Surface Elevation

C.27. Old River at Tracy Boulevard Water Surface Elevation

C.28. Mokelumne River at Terminous Water Surface Elevation

C.29. Sacramento River at Freeport Water Surface Elevation

C.30. Sacramento River downstream of North Delta Diversion Water Surface Elevation

C.31. Sacramento River downstream of Georgiana Slough Water Surface Elevation

C.32. Sacramento River at Rio Vista Water Surface Elevation

C.33. Sacramento River at Emmaton Salinity

C.34. San Joaquin River at Jersey Point Salinity

C.35. Sacramento River at Collinsville Salinity

C.36. Old River at Rock Slough Salinity

C.37. Sacramento River downstream of Steamboat Slough Salinity

C.38. Sacramento River at Mallard Slough Salinity

C.39. Sacramento River at Port Chicago Salinity

Alternatives 2A, 4A, 5A at Early Long-Term

C.40. Trinity Storage

C.41. Shasta Storage

C.42. Oroville Storage

C.43. Folsom Storage

C.44. San Luis Storage

C.45. New Melones Storage

C.46. Delta Outflow

C.47. X2 Results

C.48. Old and Middle River Flow

C.49. Total Delta Exports

C.50. Isolated Facility Exports

C.51. SWP and CVP South Delta Exports

C.52. SWP and CVP Deliveries

C.53. Trinity River Flow below Lewiston

C.54. Sacramento River Flow downstream of Keswick Reservoir

C.55. Sacramento River Flow at Bend Bridge

C.56. Feather River Flow downstream of Thermalito

C.57. Fremont Weir Spills

C.58. American River Flow downstream of Folsom

C.59. Sacramento River Flow at Freeport

C.60. Sacramento River Flow downstream of North Delta Diversion

C.61. Yolo Bypass Flow

C.62. San Joaquin River Flow at Vernalis

C.63. Sacramento River Flow a Rio Vista

C.64. Sutter and Steamboat Slough Flows

C.65. Steamboat Slough downstream of Sutter Slough Water Surface E

C.66. Old River at Tracy Boulevard Water Surface Elevation

C.67. Mokelumne River at Terminous Water Surface Elevation

C.68. Sacramento River at Freeport Water Surface Elevation

C.69. Sacramento River downstream of North Delta Diversion Water S

C.70. Sacramento River downstream of Georgiana Slough Water Surfac

C.71. Sacramento River at Rio Vista Water Surface Elevation

C.72. Sacramento River at Emmaton Salinity

C.73. San Joaquin River at Jersey Point Salinity

C.74. Sacramento River at Collinsville Salinity

C.75. Old River at Rock Slough Salinity

C.76. Sacramento River downstream of Steamboat Slough Salinity

C.77. Sacramento River at Mallard Slough Salinity

C.78. Sacramento River at Port Chicago Salinity

Introduction

This section provides model CALSIM II and DSM2 model simulation results for alternatives evaluated for the BDCP EIR/EIS. Sections C.1. to C.39. present data from the Public Draft EIR/EIS Alternatives (Alternative 1, 2, 3, 4 [H1, H2, H3, H4], 5, 6, 7, 8, 9 at Late Long-Term) compared with No Action Alternative at Late Long-Term and Existing Conditions. Sections C.40. to C.78. present data for the Recirculated Draft EIR/SEIS Alternatives (Alternative 2D, 4A, 5A at Early Long-Term) compared with No Action Alternative at Early Long-Term and Existing Conditions. 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.

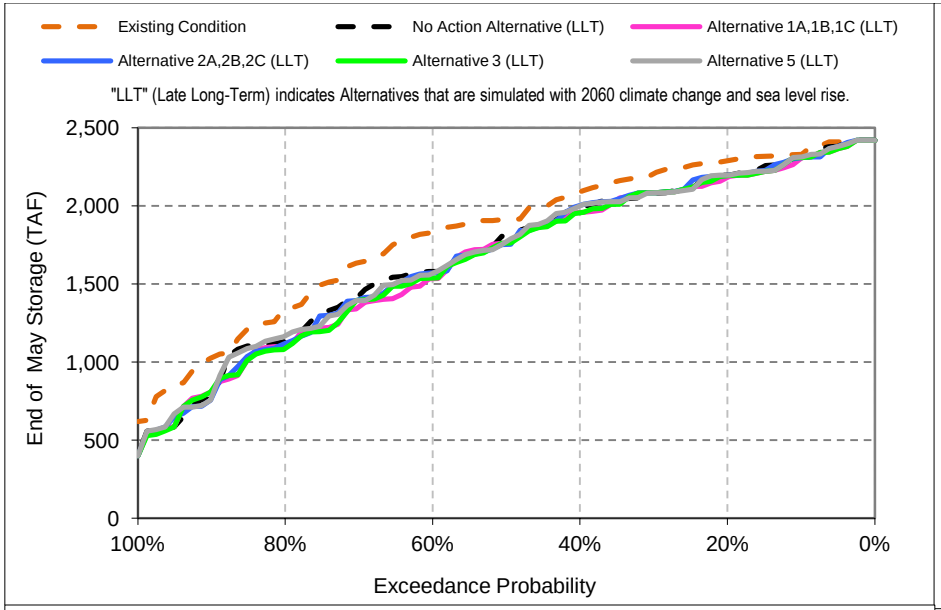
Statistical Comparisons are Preferred

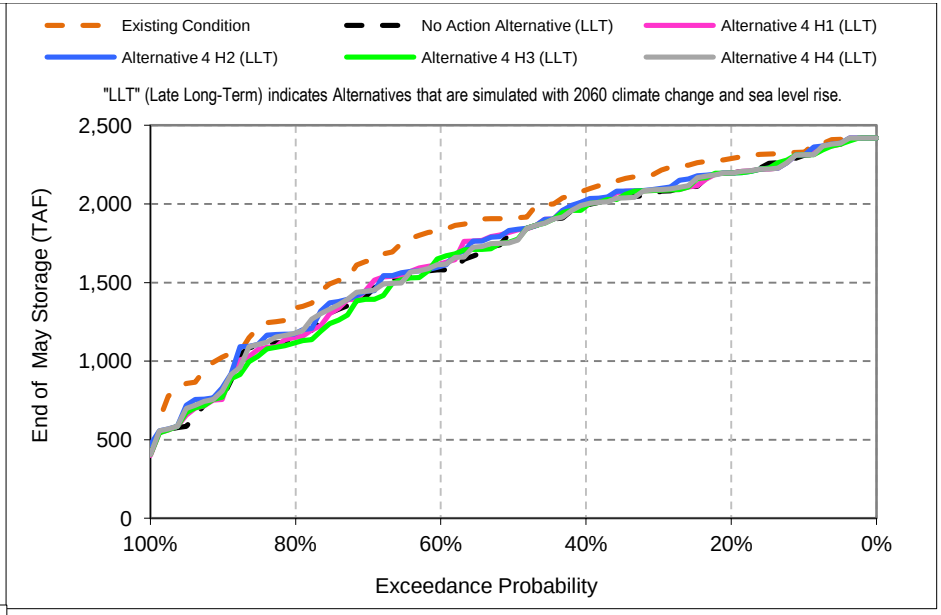
Absolute differences computed at a point in time between model results from an alternative and a baseline to evaluate impacts is an inappropriate use of model results (e.g. computing differences between the results from a baseline and an alternative for a particular day or month and year within the period 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.

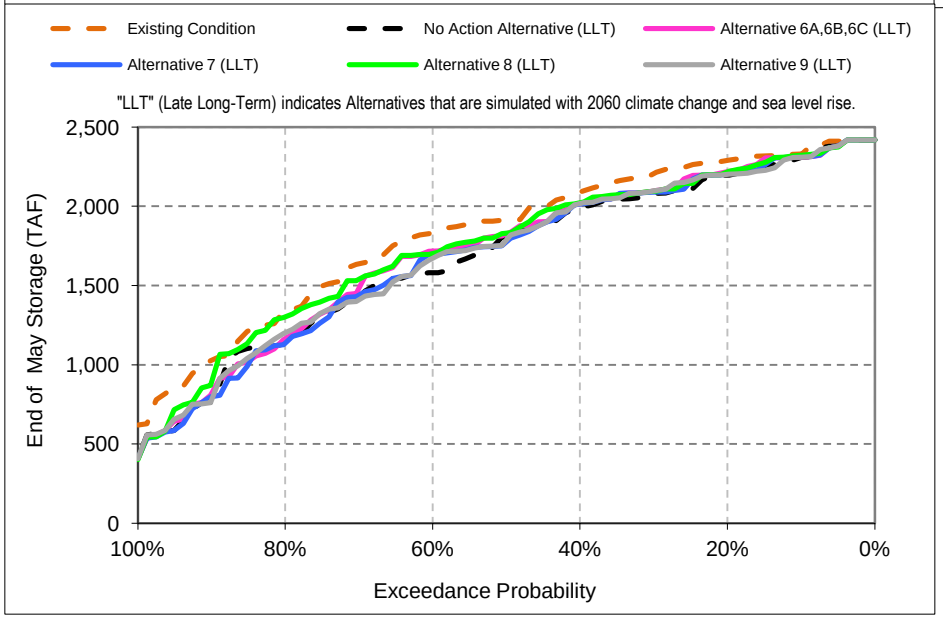
Reporting seasonal patterns from long-term averages and water year type averages is appropriate. Statistics computed based on long-term and water year type averages are an appropriate use of model results. Computing differences between long-term or water year type averages of model results from two scenarios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



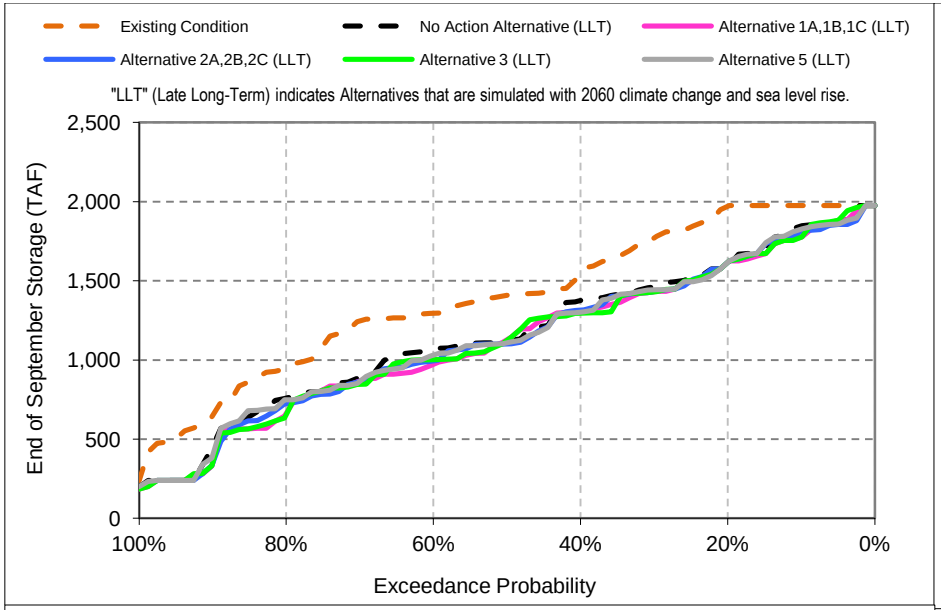


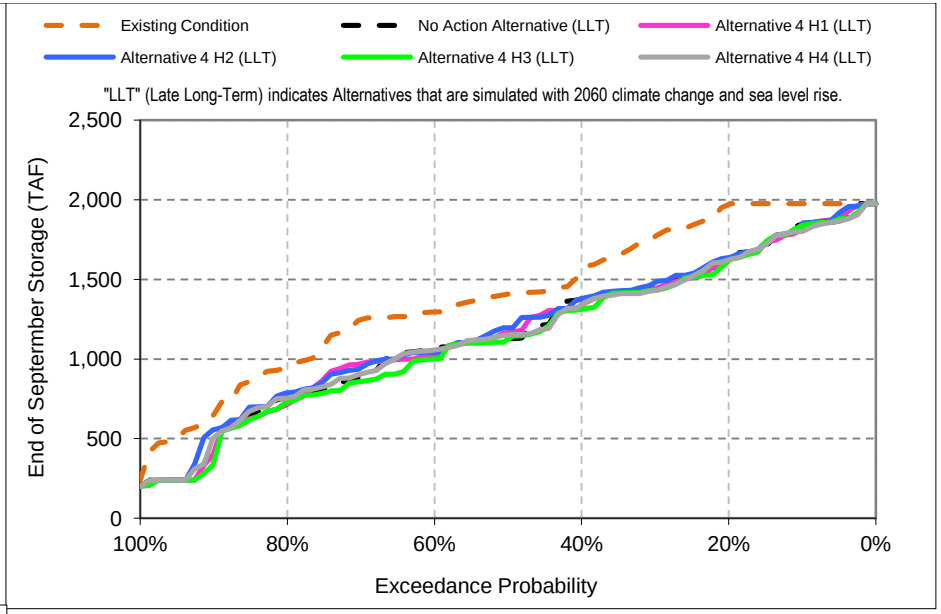


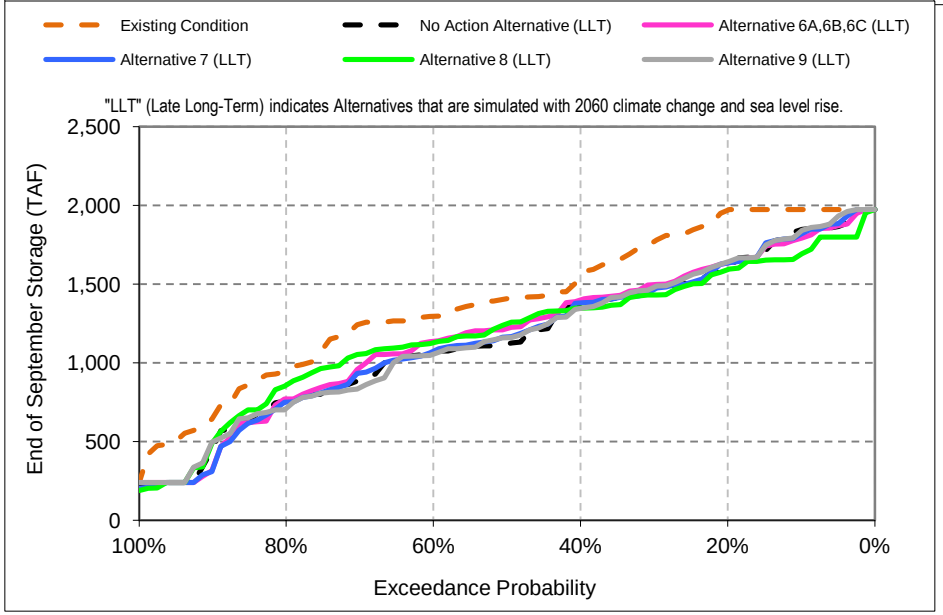
Alternative 4 Scenario Definitions:

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

	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 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 Existing Condition

	End of Month Storage (TAF)											
Statistic	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

	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 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 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	-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

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 9 (LLT)

Statistic	End of Month Storage (TAF)											
	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

Statistic	End of Month Storage (TAF)											
	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)

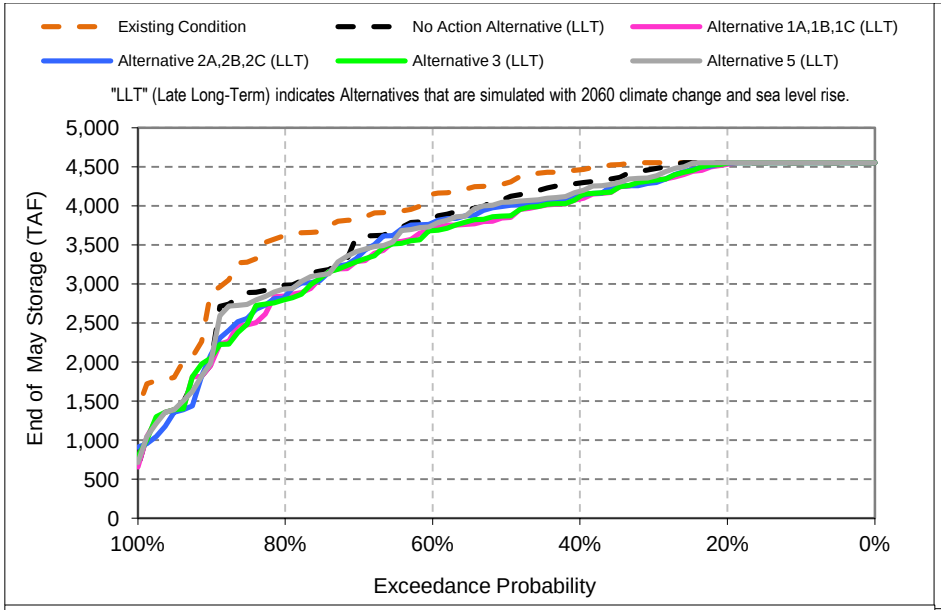
	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	12	13	3	0	0	0	0	2	-20	6	4	-9
20%	-1	1	43	-13	-1	0	12	4	76	63	47	44
30%	17	10	-4	0	-34	-26	-2	21	23	-10	-18	19
40%	-44	-36	10	-1	18	-34	3	27	16	-8	-2	-31
50%	23	24	-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

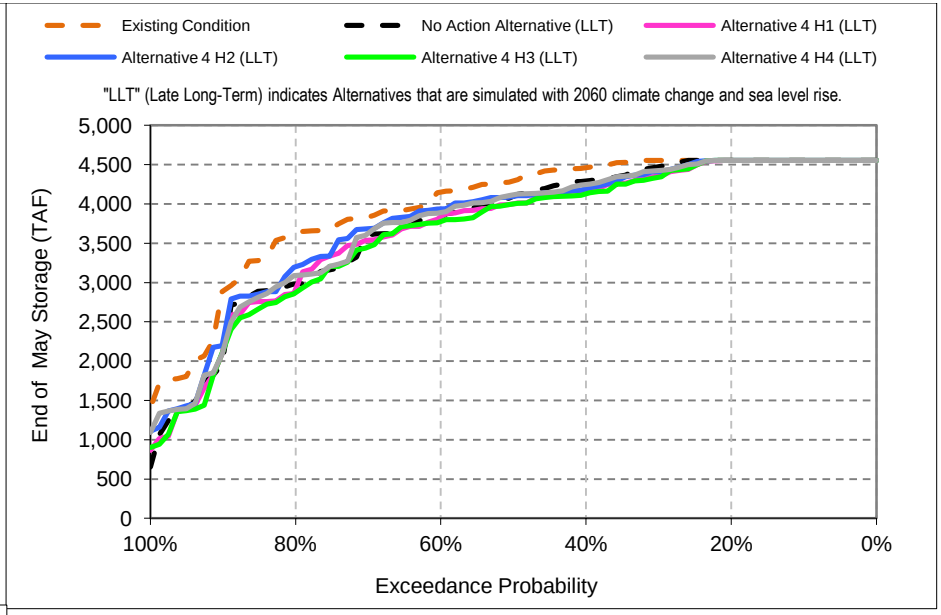
Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

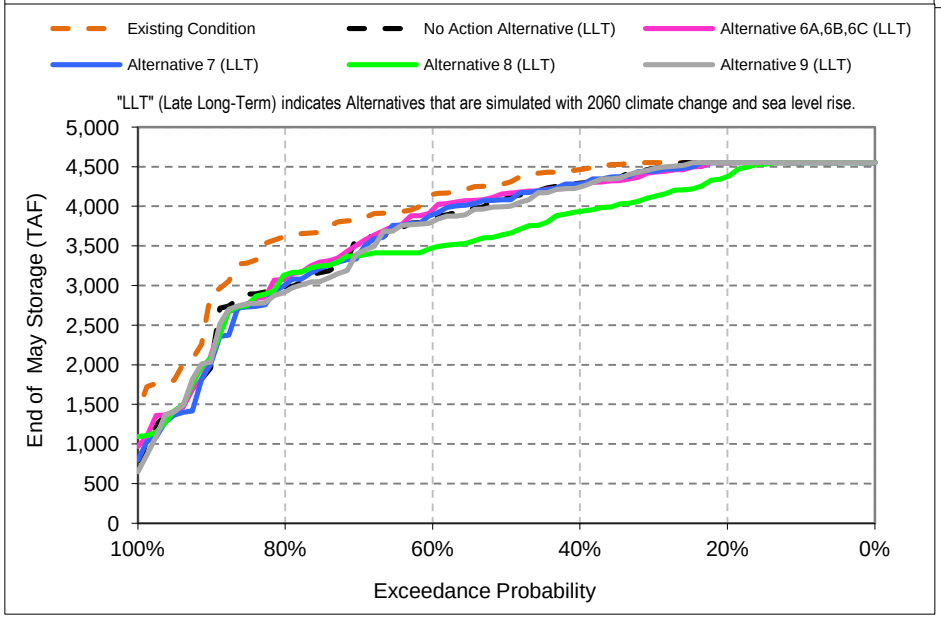
a Based on the 82-year simulation period

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

C.2. Shasta Storage



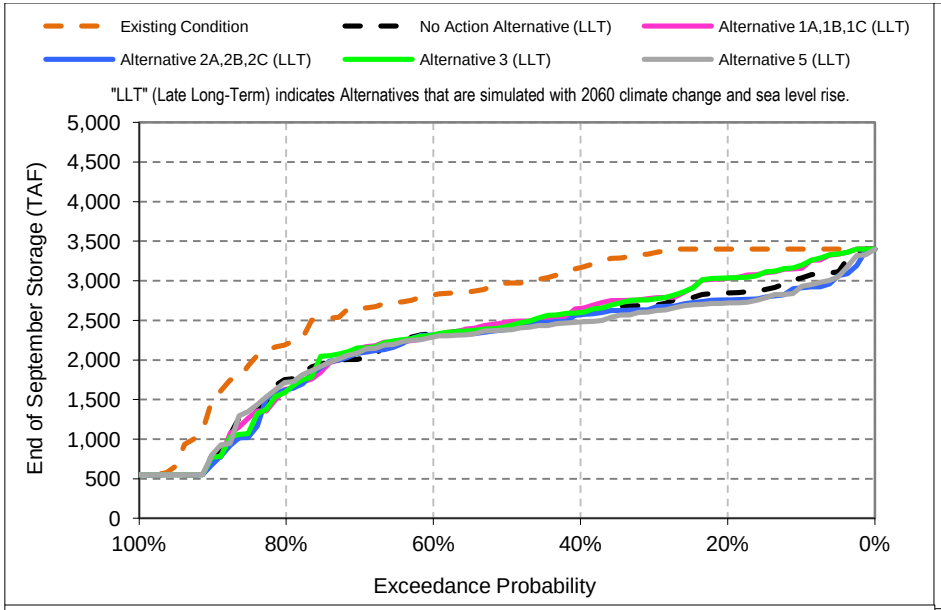


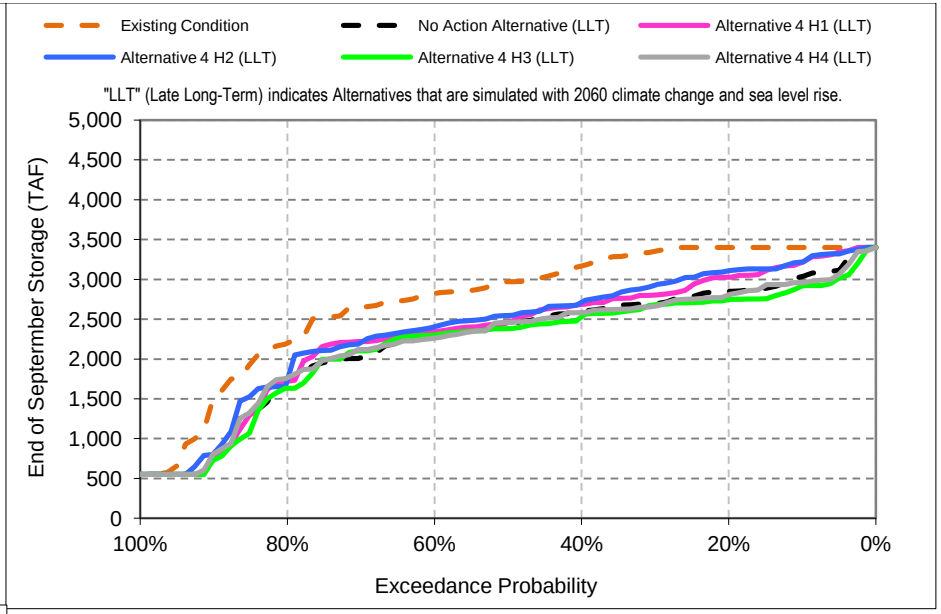


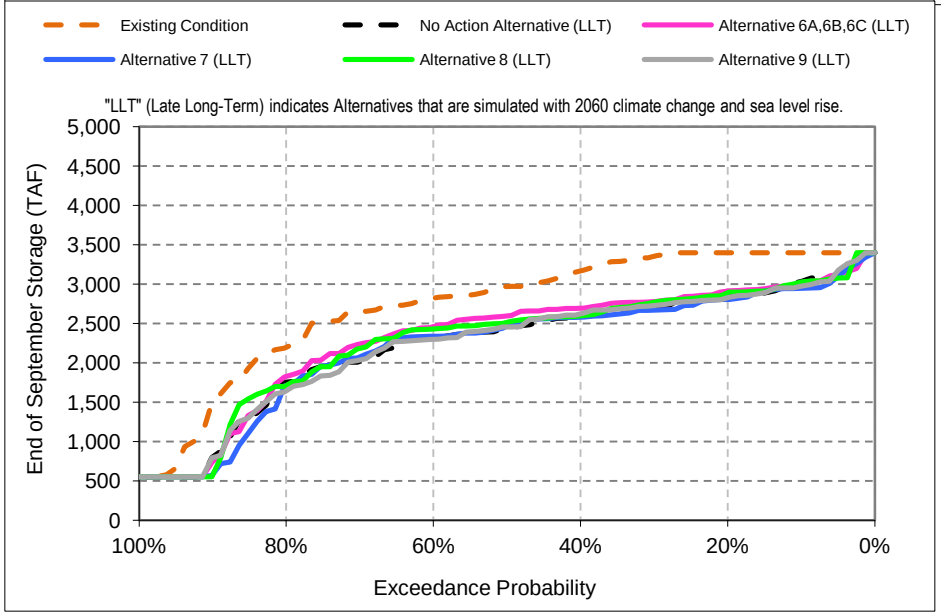
Alternative 4 Scenario Definitions:

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

	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 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 Existing Condition

	End of Month Storage (TAF)											
Statistic	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

	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 H2 (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	3,247	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

	End of Month Storage (TAF)											
Statistic	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

	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 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 Existing Condition

	End of Month Storage (TAF)											
Statistic	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

	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 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 Existing Condition

	End of Month Storage (TAF)											
Statistic	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

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 7 (LLT)

Statistic	End of Month Storage (TAF)											
	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

Statistic	End of Month Storage (TAF)											
	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)

	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 H2 (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	3,247	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)

	End of Month Storage (TAF)											
Statistic	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)

	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 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 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%	-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)

	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 9 (LLT)

	End of Month Storage (TAF)											
Statistic	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)

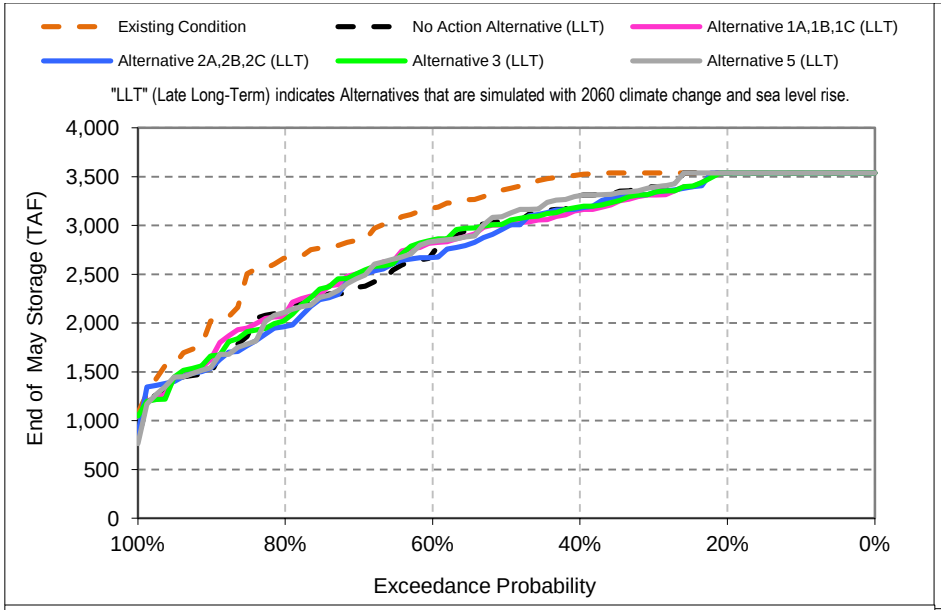
	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-23	29	-1	13	1	1	1	0	-17	1	53	-62
20%	47	-9	0	-5	12	9	-5	0	47	41	19	-20
30%	17	44	122	0	-2	13	-25	-2	-24	-9	69	35
40%	21	-37	26	0	17	5	1	-50	-49	11	24	23
50%	20	-20	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

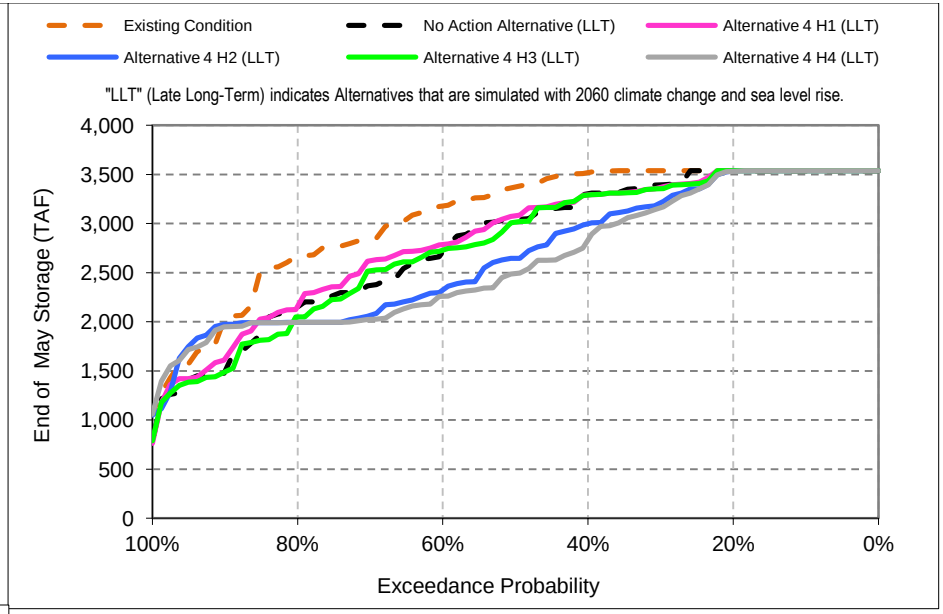
Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

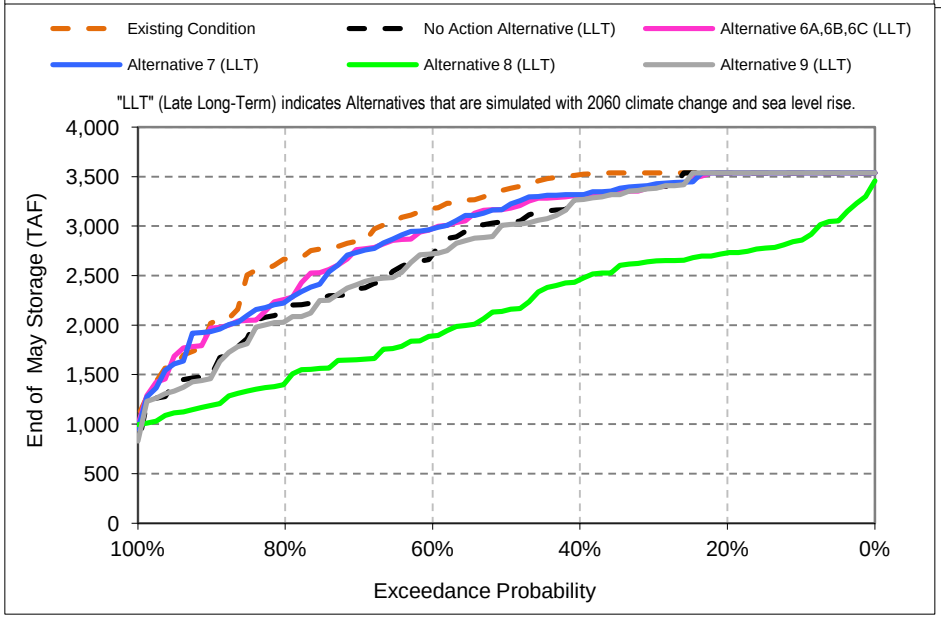
a Based on the 82-year simulation period

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

C.3. Oroville Storage



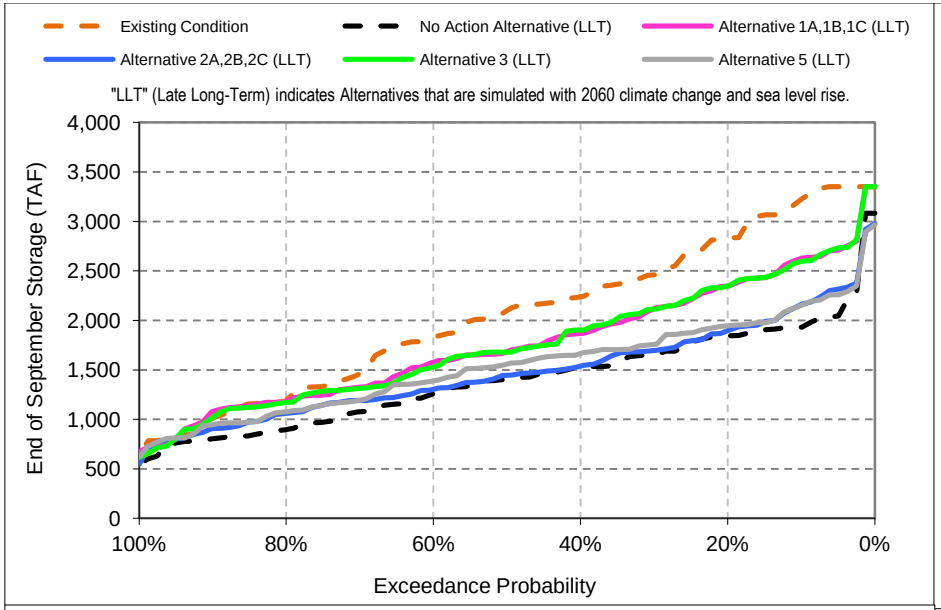


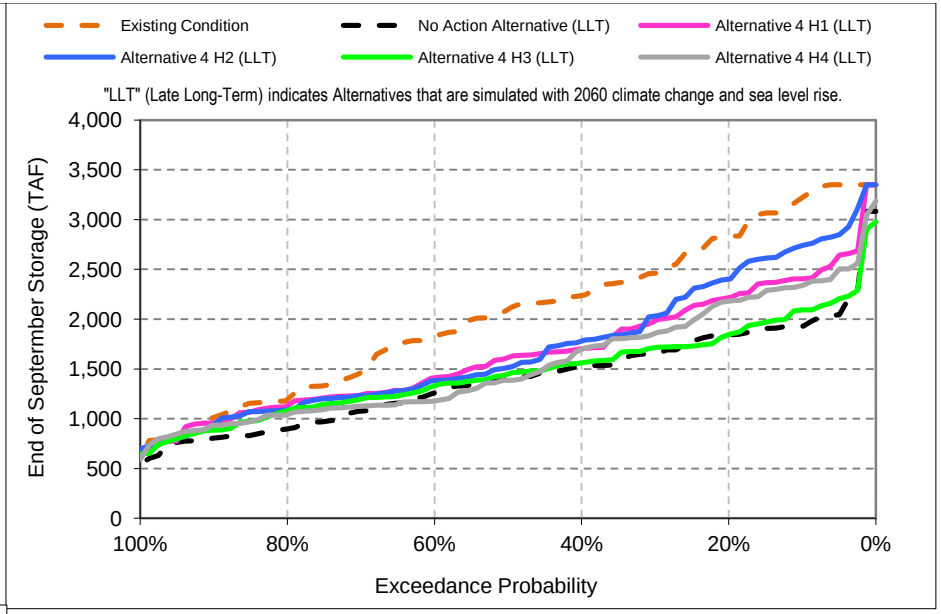


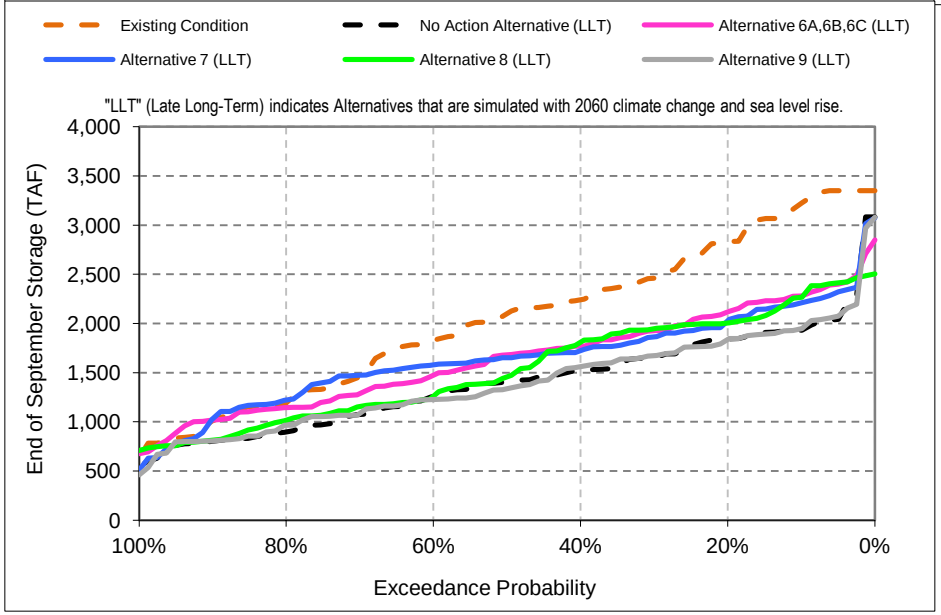
Alternative 4 Scenario Definitions:

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

	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 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 Existing Condition

	End of Month Storage (TAF)											
Statistic	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

	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 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 Existing Condition

	End of Month Storage (TAF)											
Statistic	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

	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 H4 (LLT)

	End of Month Storage (TAF)											
Statistic	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

	End of Month Storage (TAF)											
Statistic	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

	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 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 Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-1,087	-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

	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 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 Existing Condition

	End of Month Storage (TAF)											
Statistic	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)

	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 H4 (LLT)

	End of Month Storage (TAF)											
Statistic	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)

	End of Month Storage (TAF)											
Statistic	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)

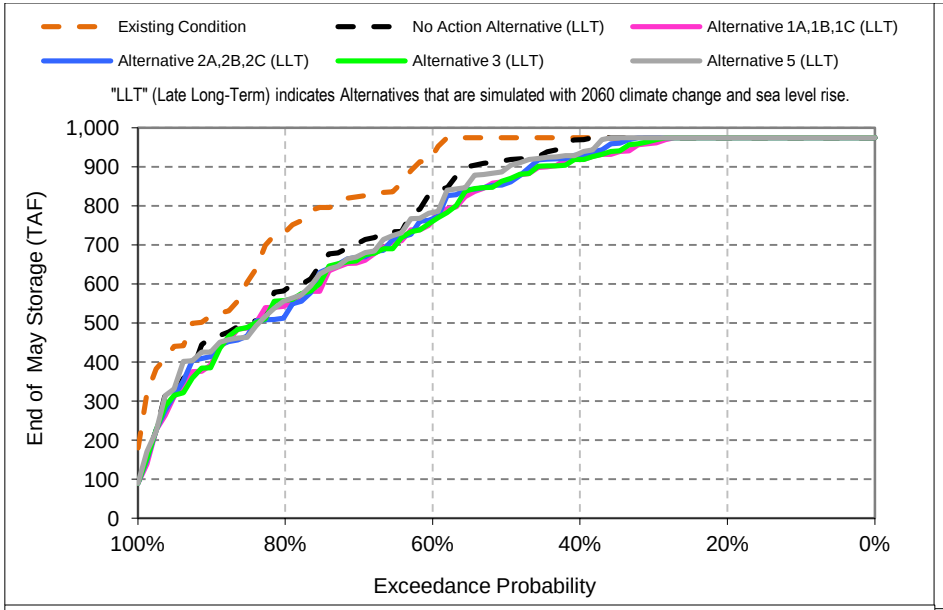
	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	25	14	73	19	-9	0	0	0	1	-1	36	15
20%	-10	-57	48	1	40	-19	0	0	19	52	75	-7
30%	30	8	-52	24	0	-3	0	-15	-45	-9	38	17
40%	-5	51	-113	-26	93	0	0	-39	-13	-15	-29	36
50%	-45	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

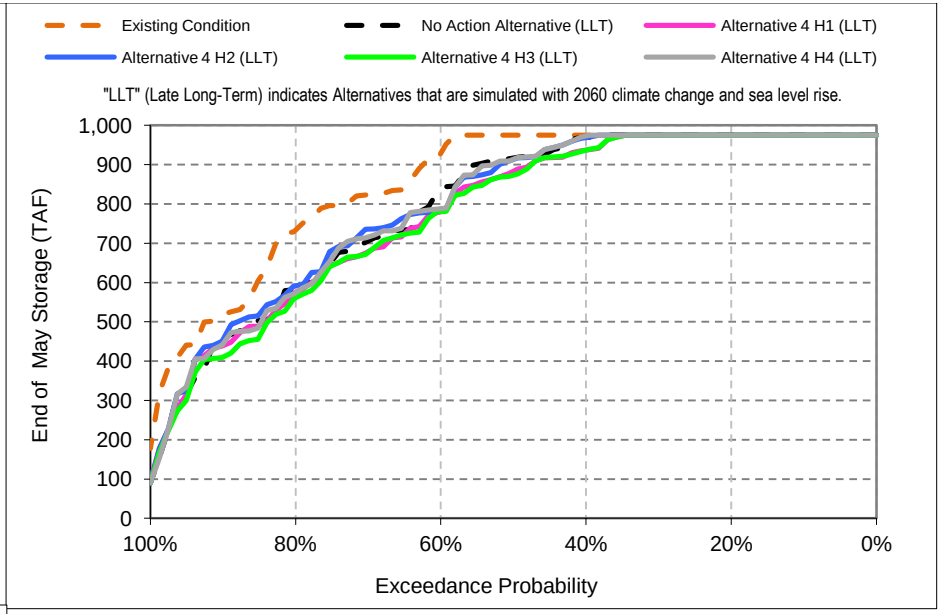
Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

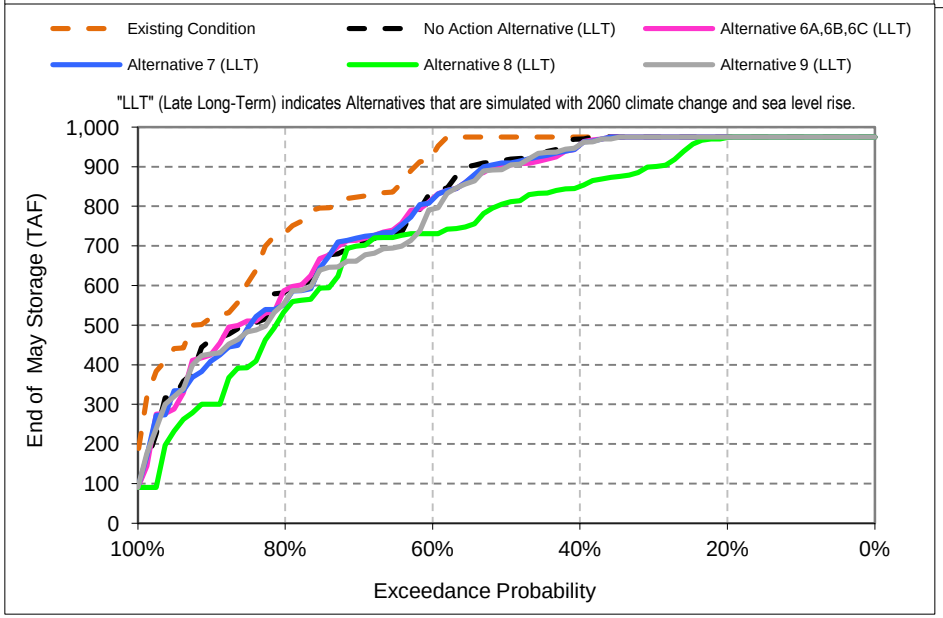
a Based on the 82-year simulation period

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

C.4. Folsom Storage



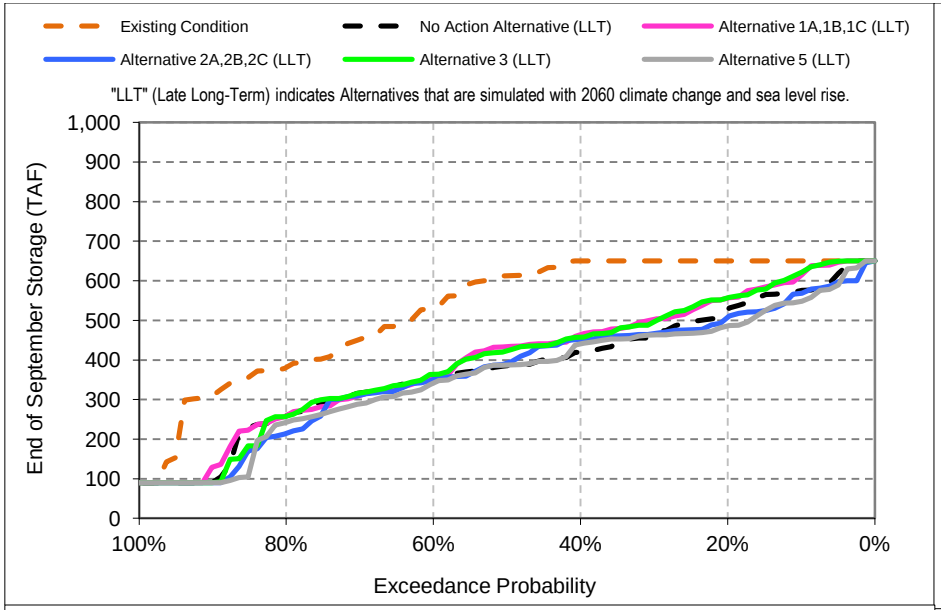


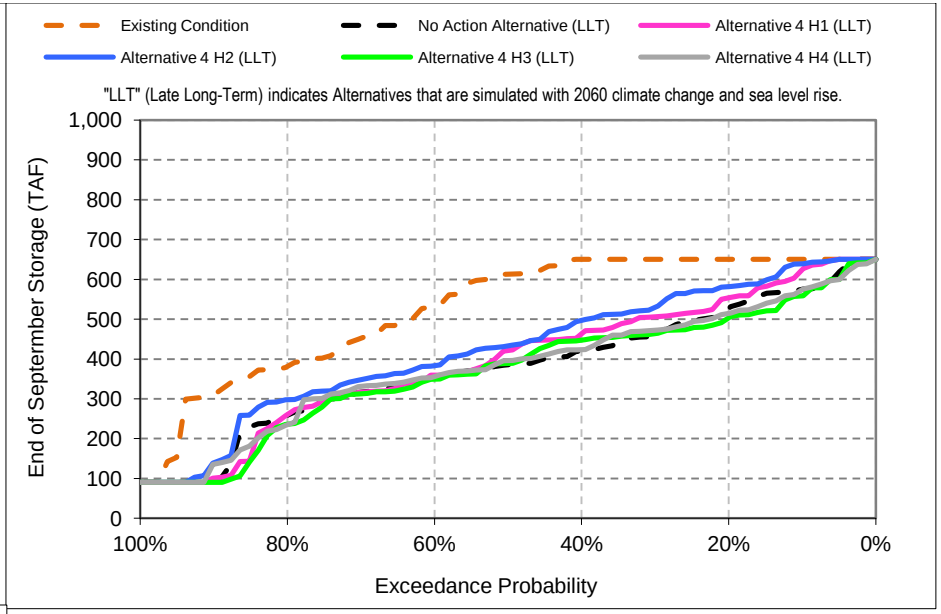


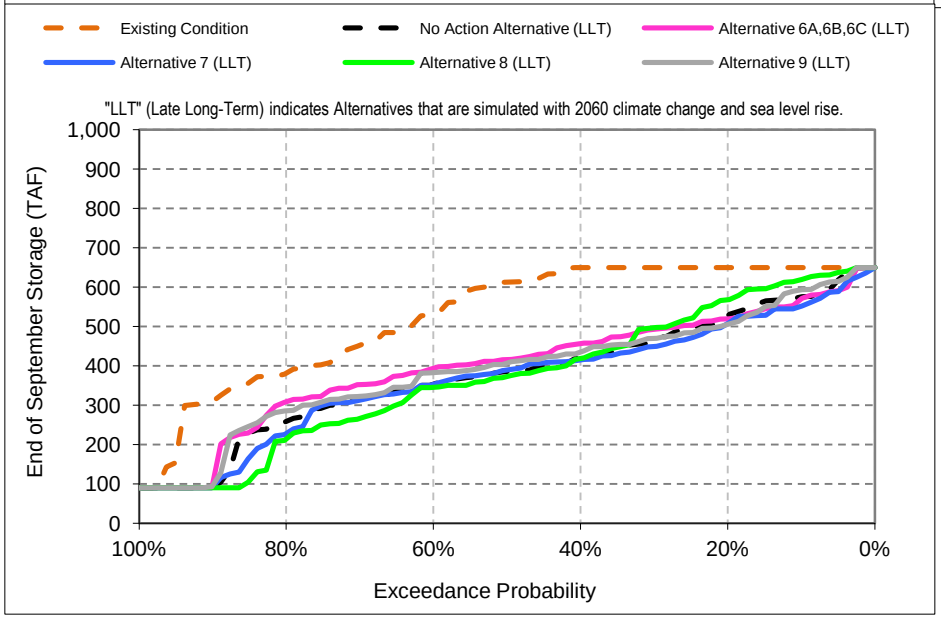
Alternative 4 Scenario Definitions:

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

	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

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

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%	-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

	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 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 Existing Condition

	End of Month Storage (TAF)											
Statistic	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

	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 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 Existing Condition

	End of Month Storage (TAF)											
Statistic	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

	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 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 Existing Condition

	End of Month Storage (TAF)											
Statistic	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

	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 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 Existing Condition

	End of Month Storage (TAF)											
Statistic	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

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 H3 (LLT)

Statistic	End of Month Storage (TAF)											
	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

Statistic	End of Month Storage (TAF)											
	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

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 H4 (LLT)

Statistic	End of Month Storage (TAF)											
	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

Statistic	End of Month Storage (TAF)											
	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

	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 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 Existing Condition

	End of Month Storage (TAF)											
Statistic	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

	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 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%	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

	End of Month Storage (TAF)											
Statistic	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

	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 8 (LLT)

	End of Month Storage (TAF)											
Statistic	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

	End of Month Storage (TAF)											
Statistic	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)

	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 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%	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)

	End of Month Storage (TAF)											
Statistic	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)

	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 8 (LLT)

	End of Month Storage (TAF)											
Statistic	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)

	End of Month Storage (TAF)											
Statistic	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)

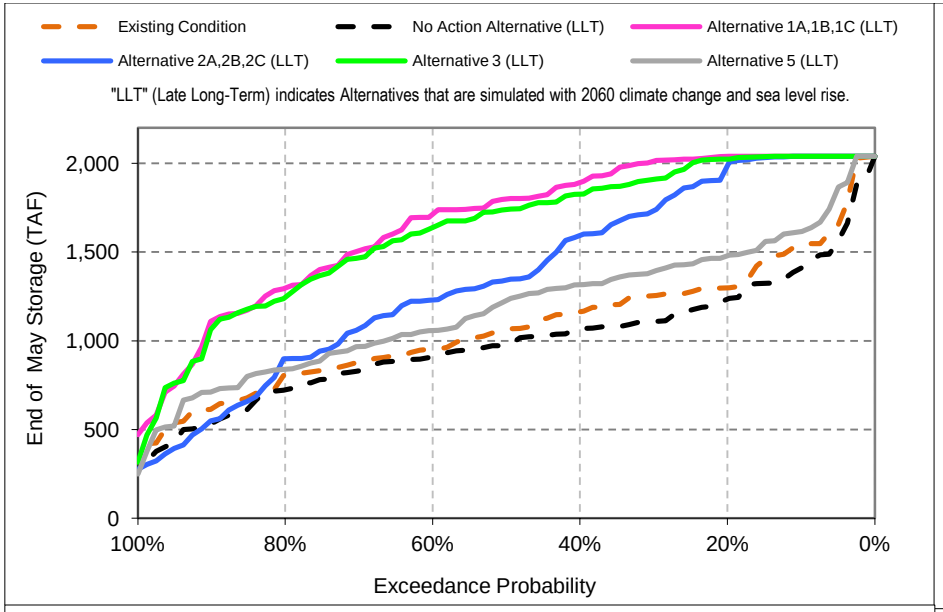
	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	6	-25	0	0	0	0	0	0	0	-10	-33	18
20%	6	3	-6	0	2	0	0	0	-2	0	18	-20
30%	14	7	-1	0	0	2	0	0	7	32	16	1
40%	17	14	1	3	0	4	0	-14	-13	20	7	15
50%	27	11	7	-9	7	6	0	-18	-32	5	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

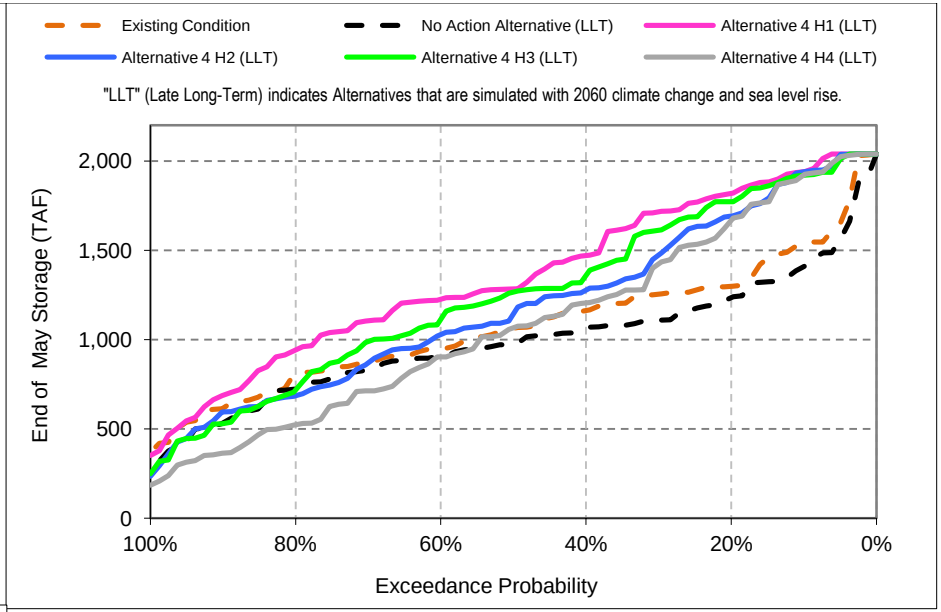
Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

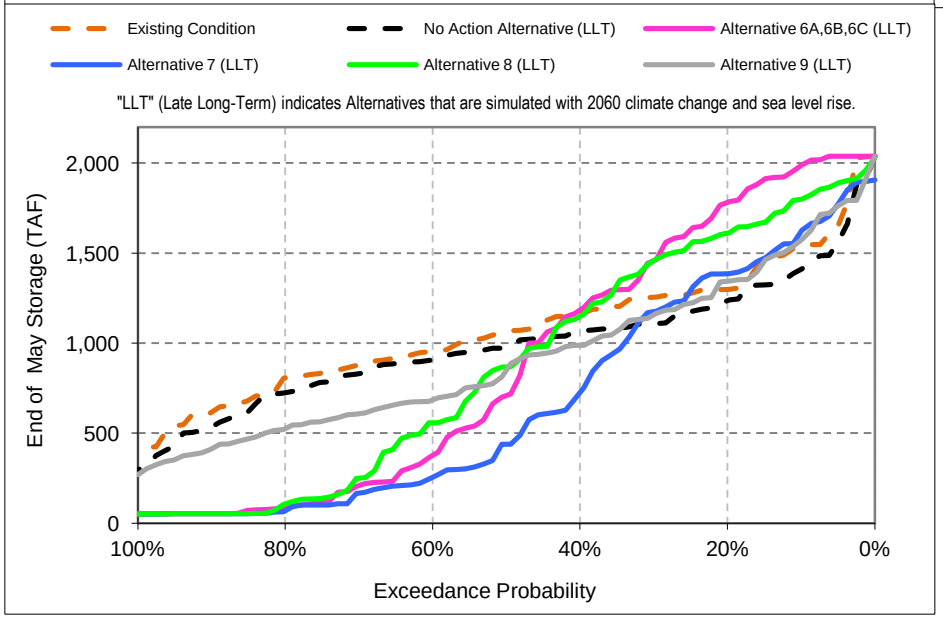
a Based on the 82-year simulation period

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

C.5. San Luis Storage



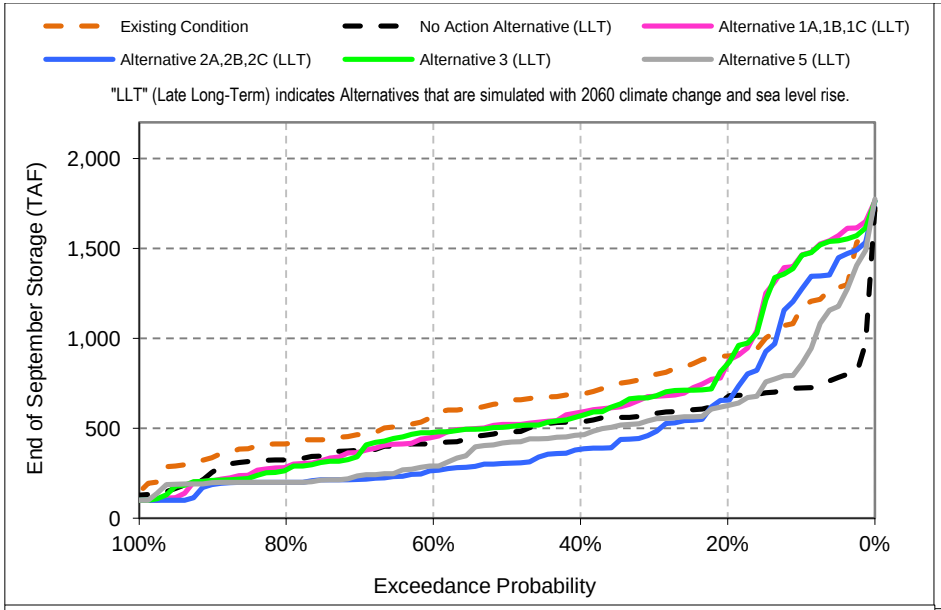


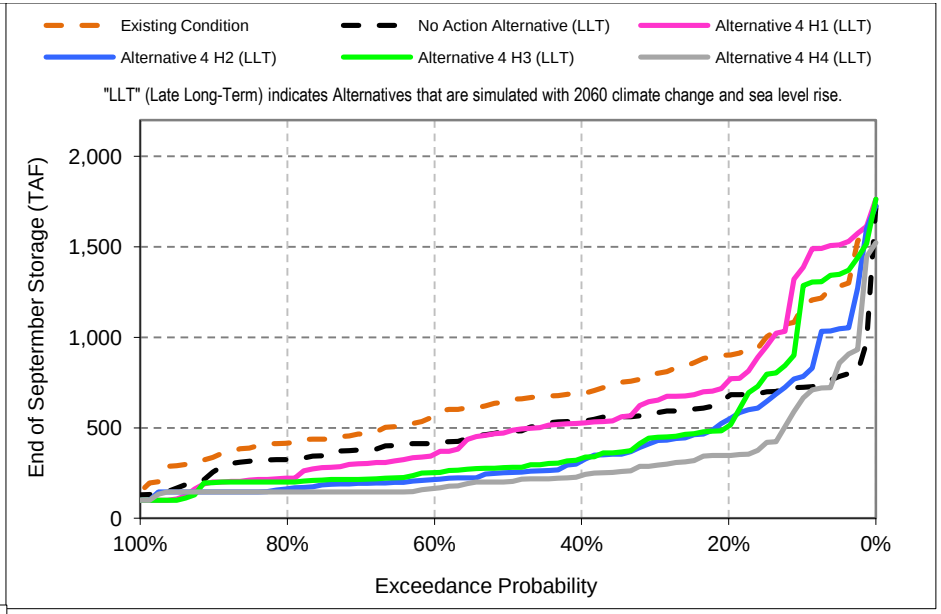


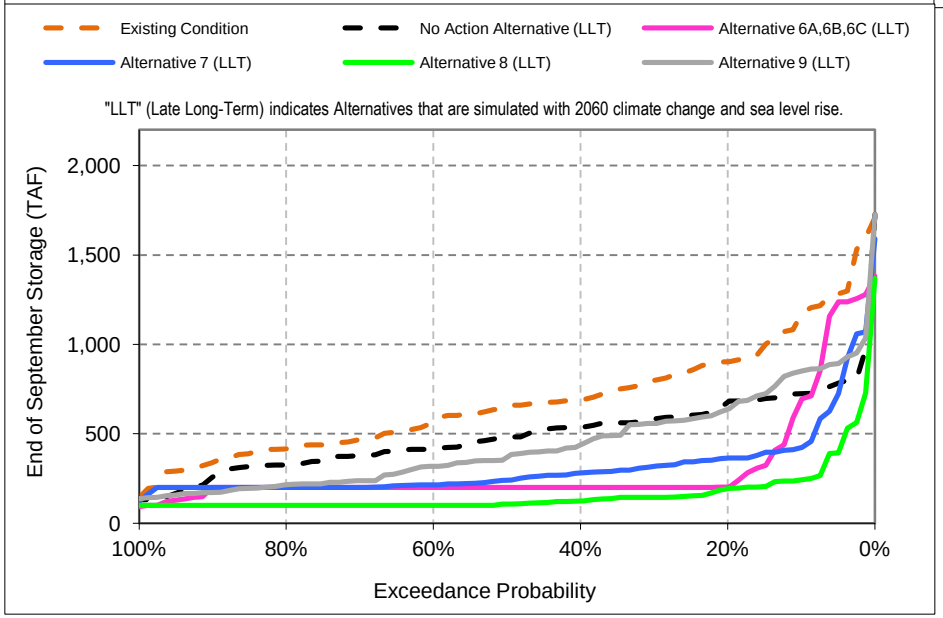
Alternative 4 Scenario Definitions:

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



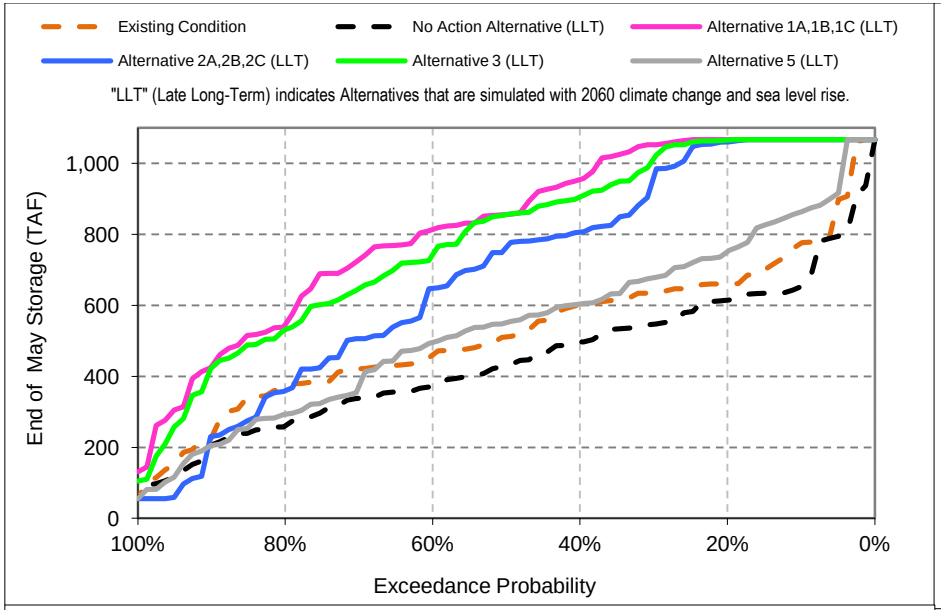


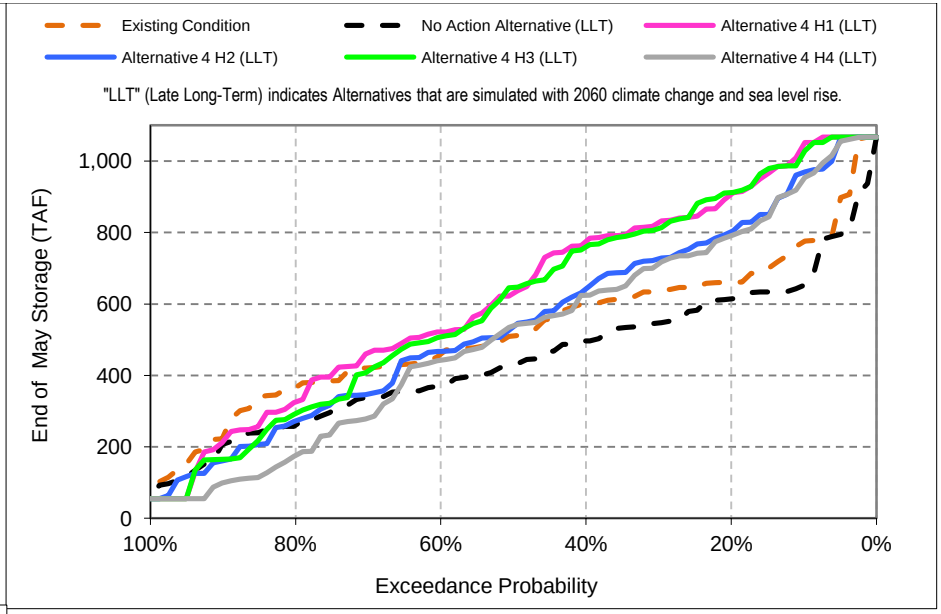


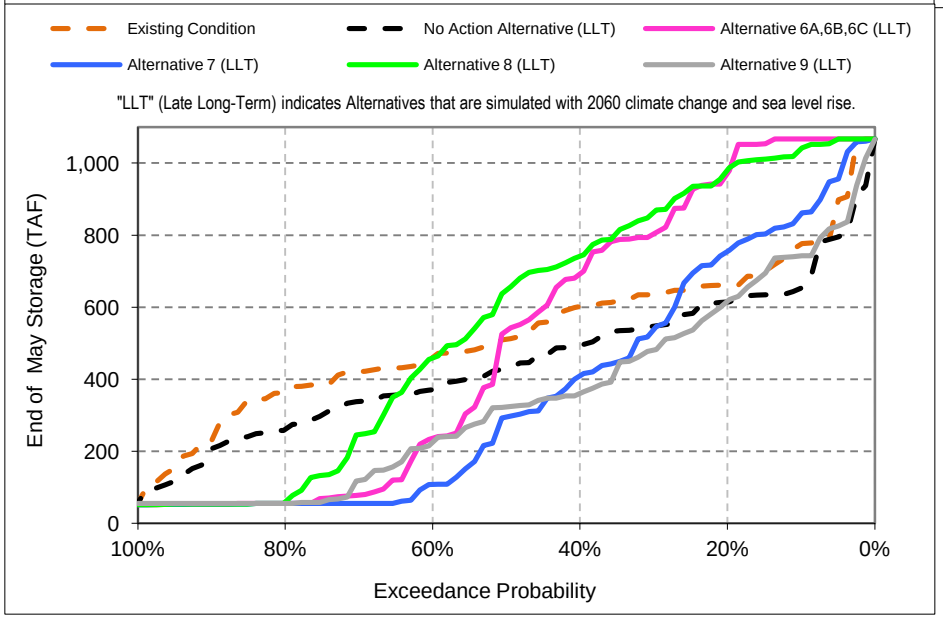
Alternative 4 Scenario Definitions:

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



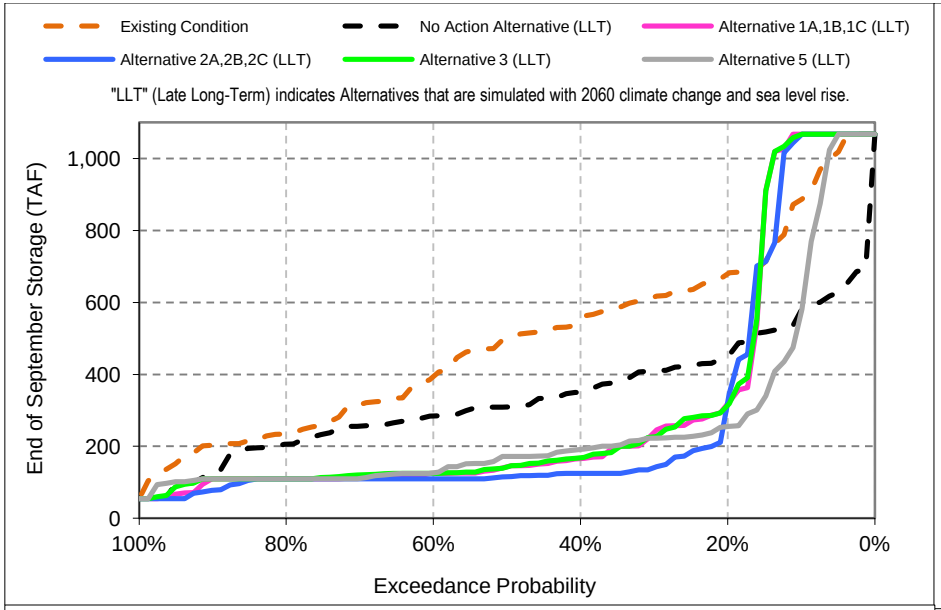


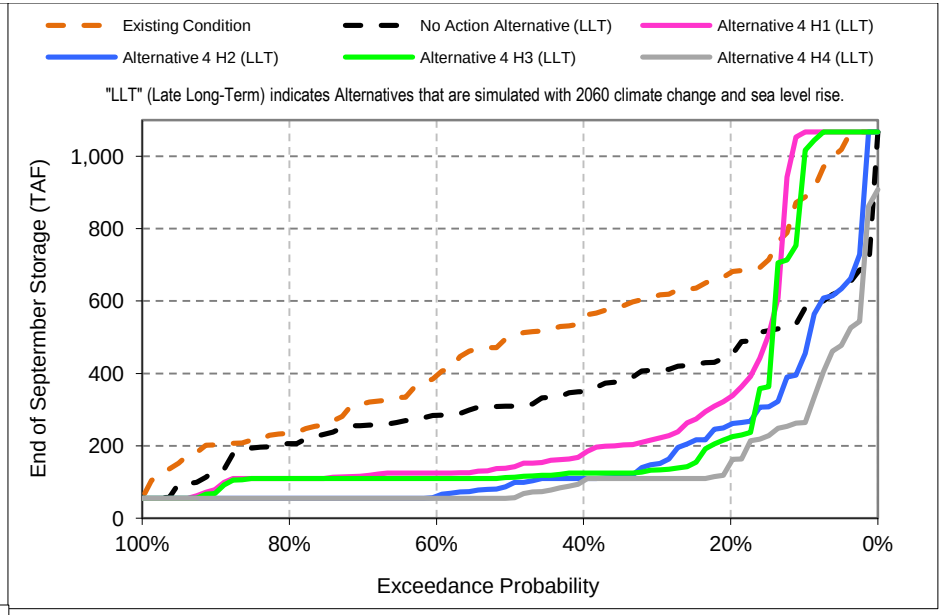


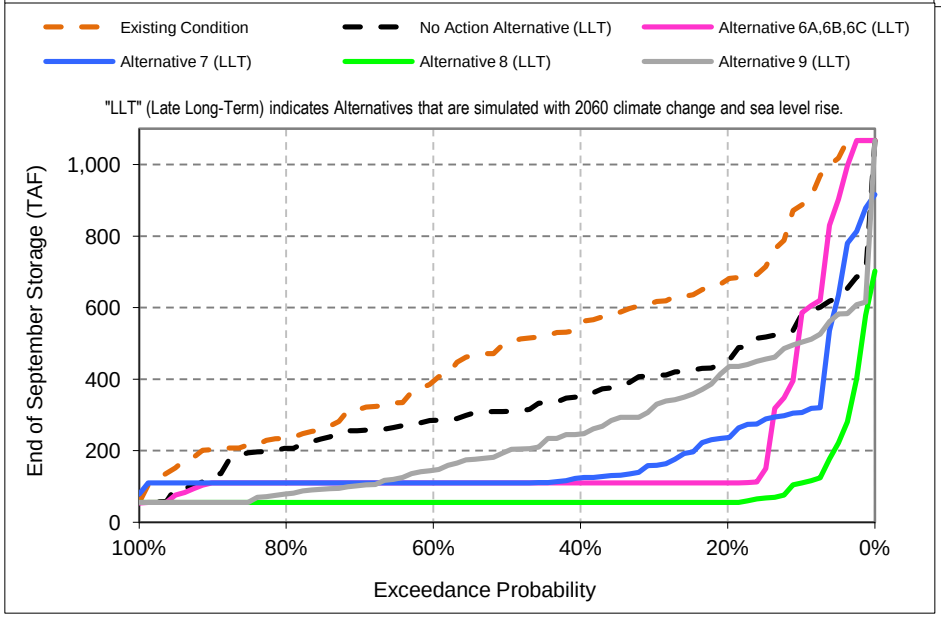
Alternative 4 Scenario Definitions:

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



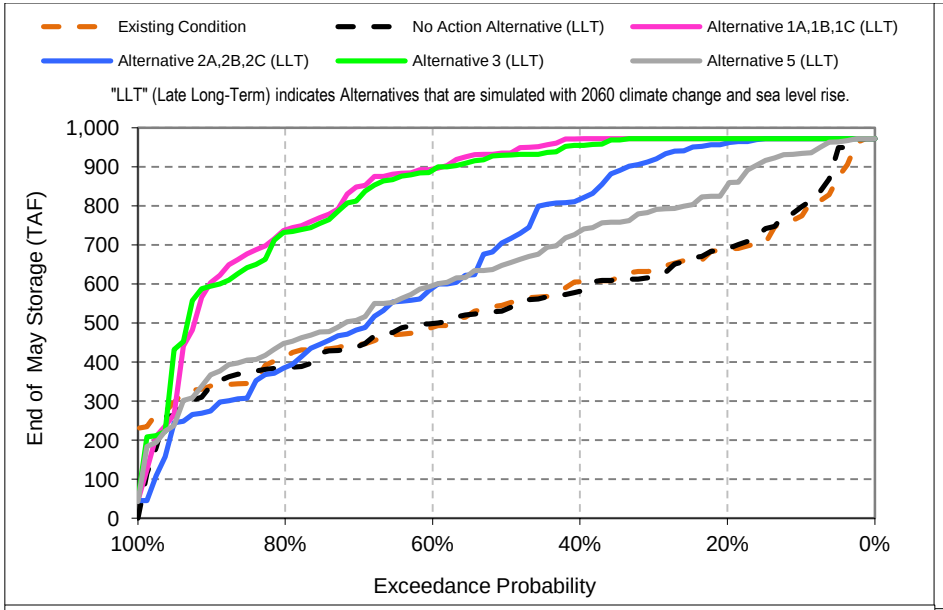


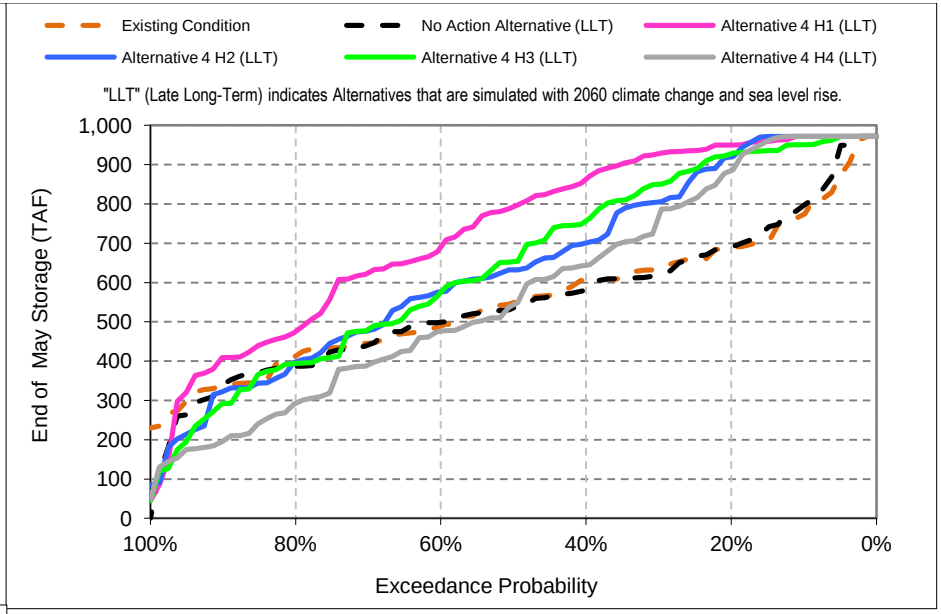


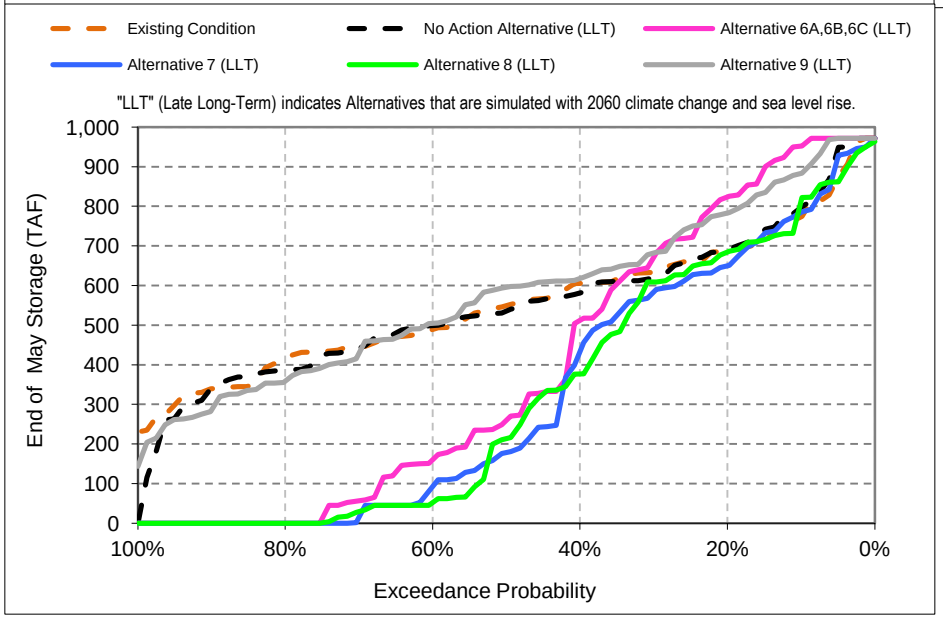
Alternative 4 Scenario Definitions:

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



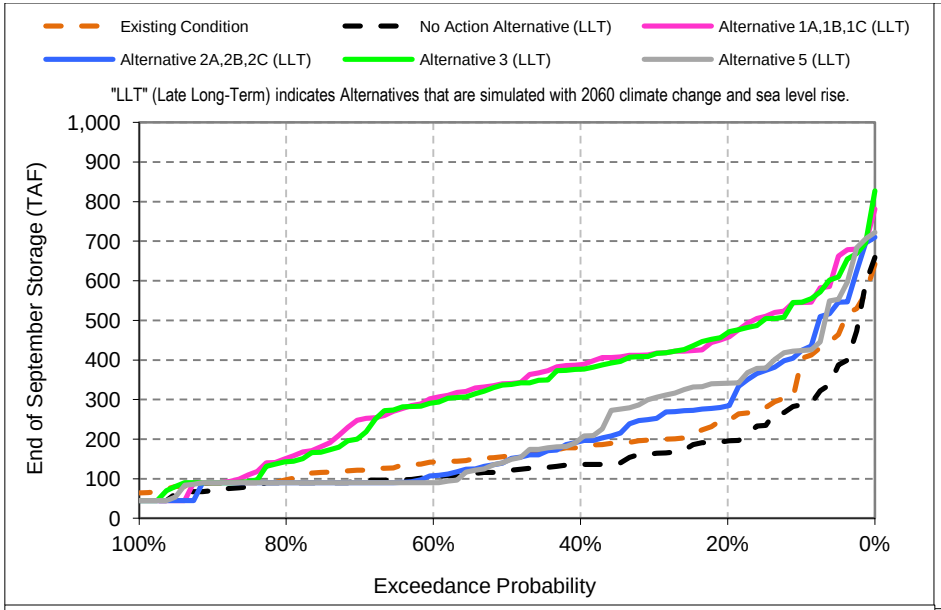


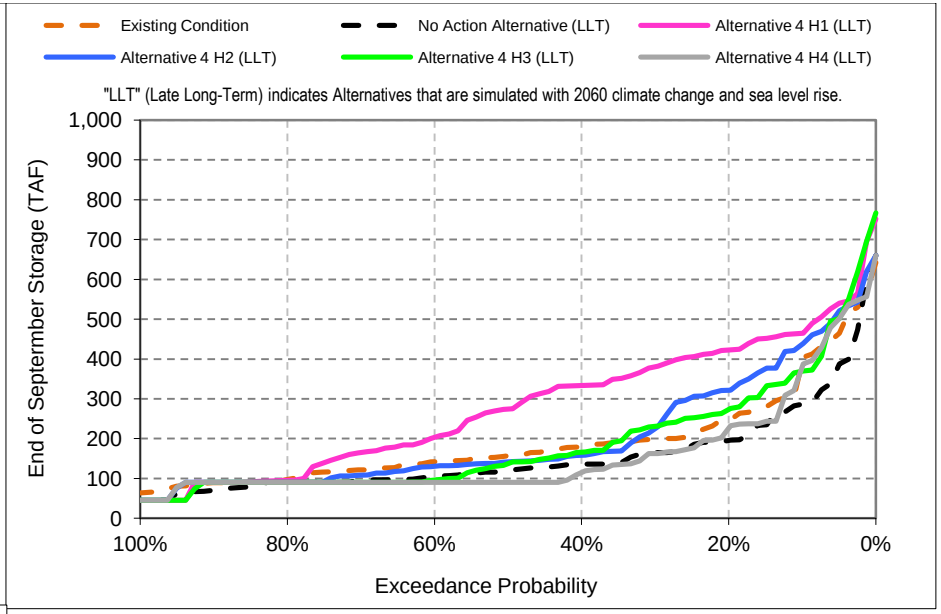


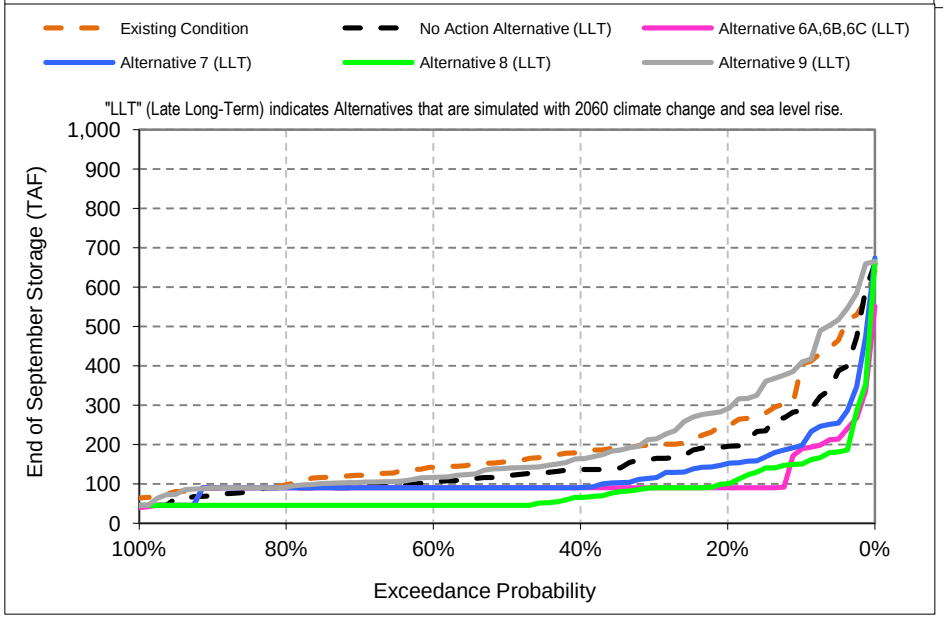
Alternative 4 Scenario Definitions:

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)

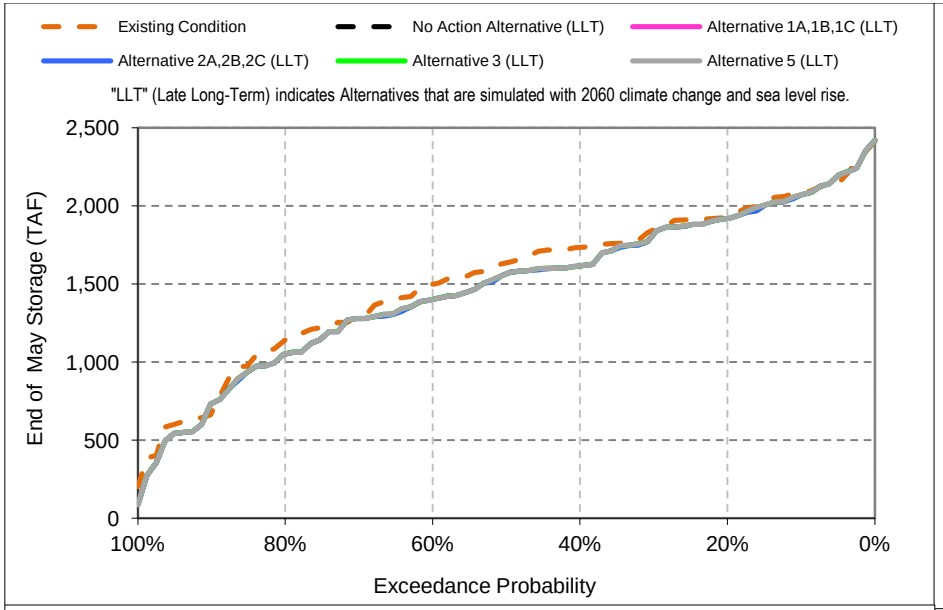
	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	179	124	135	41	-68	-141	17	162	182	152	95	126
20%	67	90	111	92	85	-98	-22	108	134	82	16	-39
30%	-57	83	62	-27	-47	-130	-38	49	16	17	-54	-26
40%	-37	40	39	-10	-111	-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

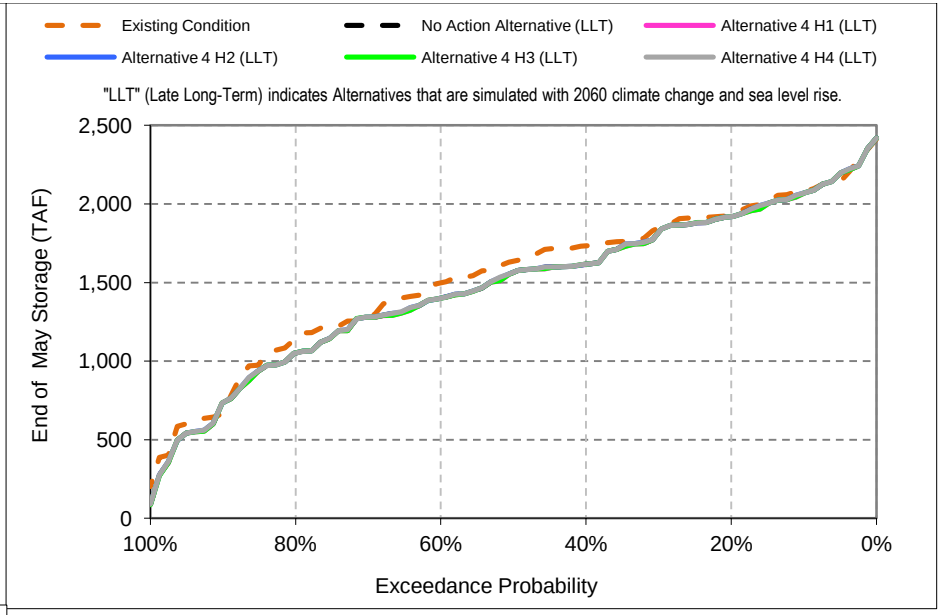
Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

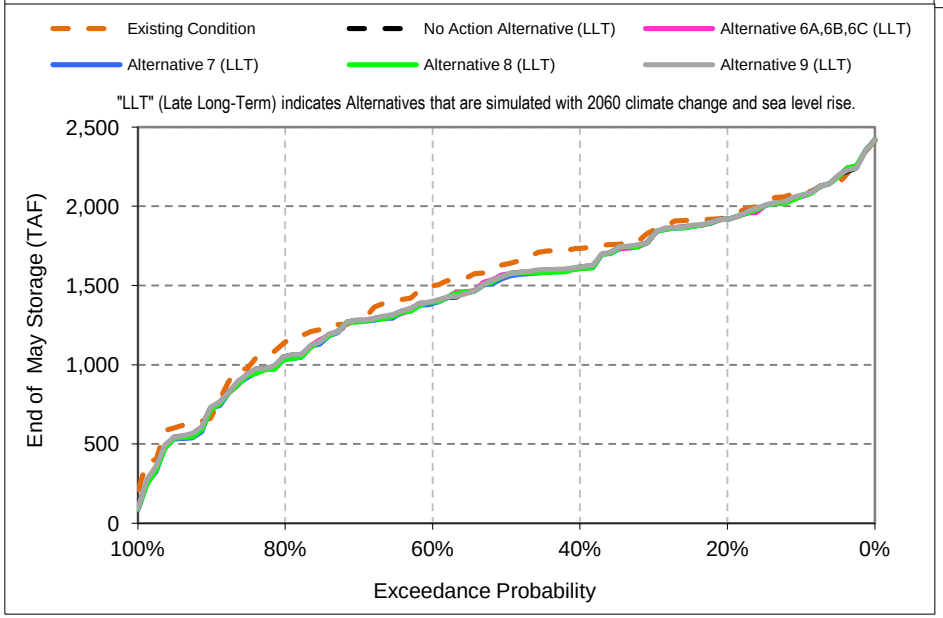
a Based on the 82-year simulation period

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

C.6. New Melones Storage



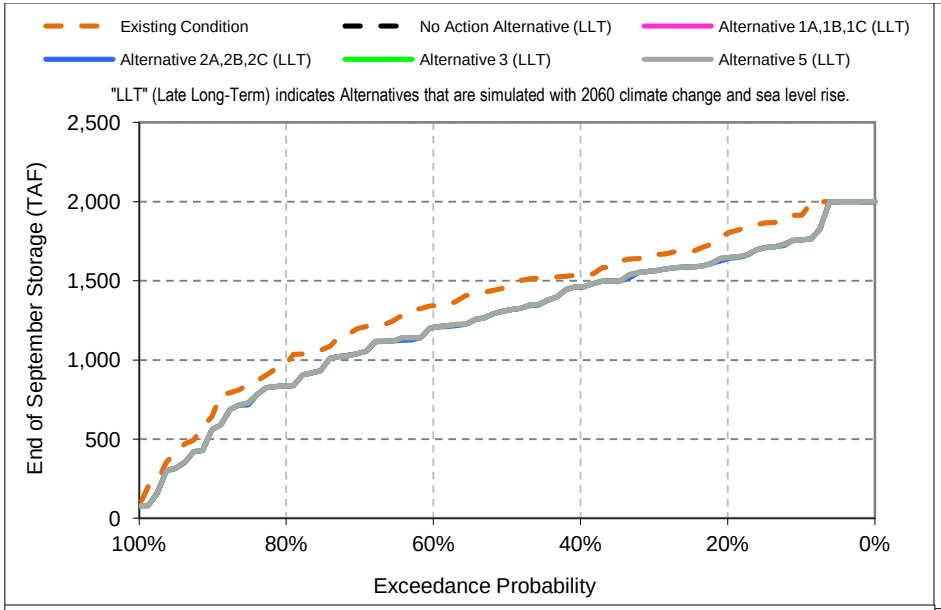


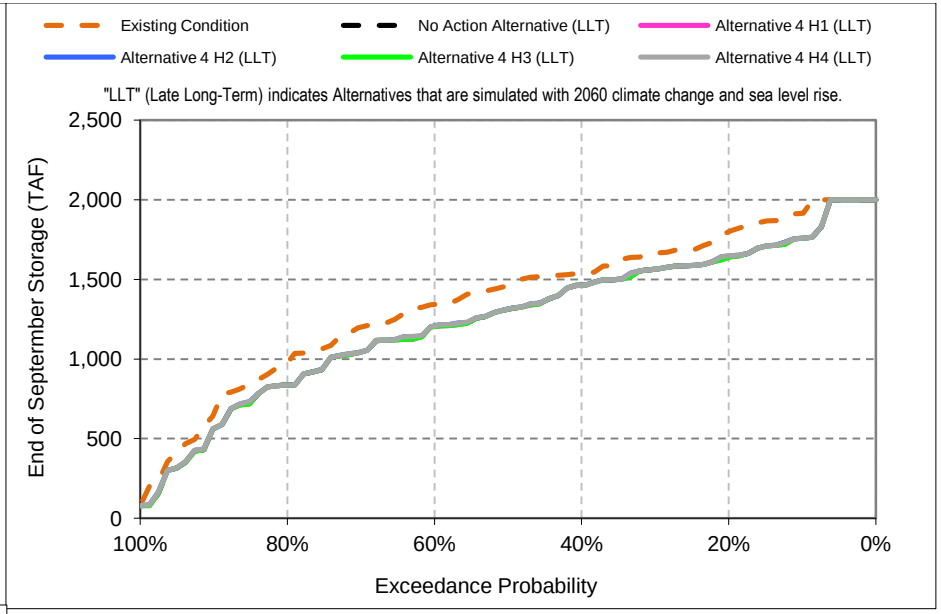


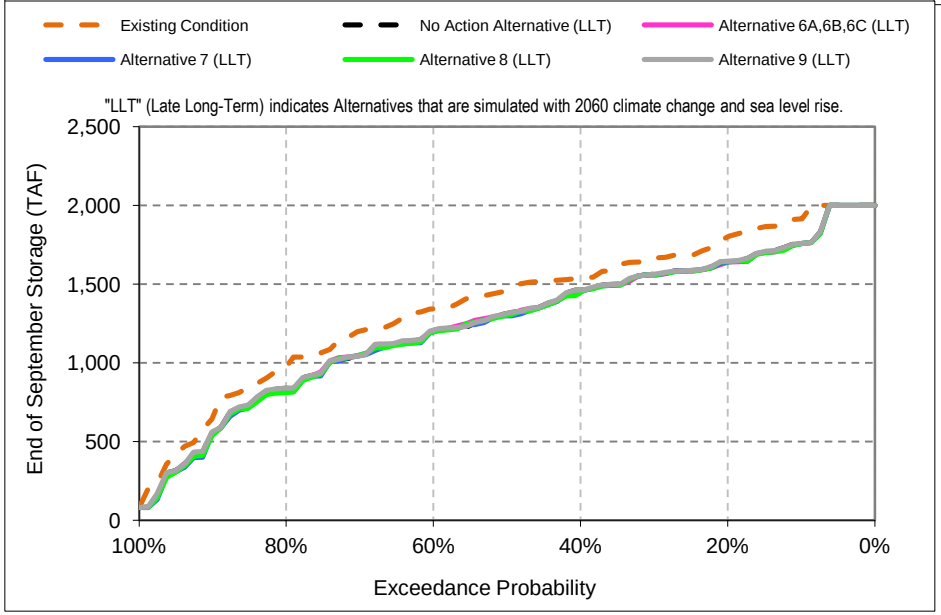
Alternative 4 Scenario Definitions:

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

	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

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

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%	-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

	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 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 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	-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

	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 3 (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,701	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

	End of Month Storage (TAF)											
Statistic	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

	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 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 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	-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

	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 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 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	-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

	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 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 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	-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

	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 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 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	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

	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 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 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	-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

	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 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 Existing Condition

	End of Month Storage (TAF)											
Statistic	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

	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 7 (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,700	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

	End of Month Storage (TAF)											
Statistic	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

	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 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 Existing Condition

	End of Month Storage (TAF)											
Statistic	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)

	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 3 (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,701	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)

	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	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)

	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 7 (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,700	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)

	End of Month Storage (TAF)											
Statistic	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)

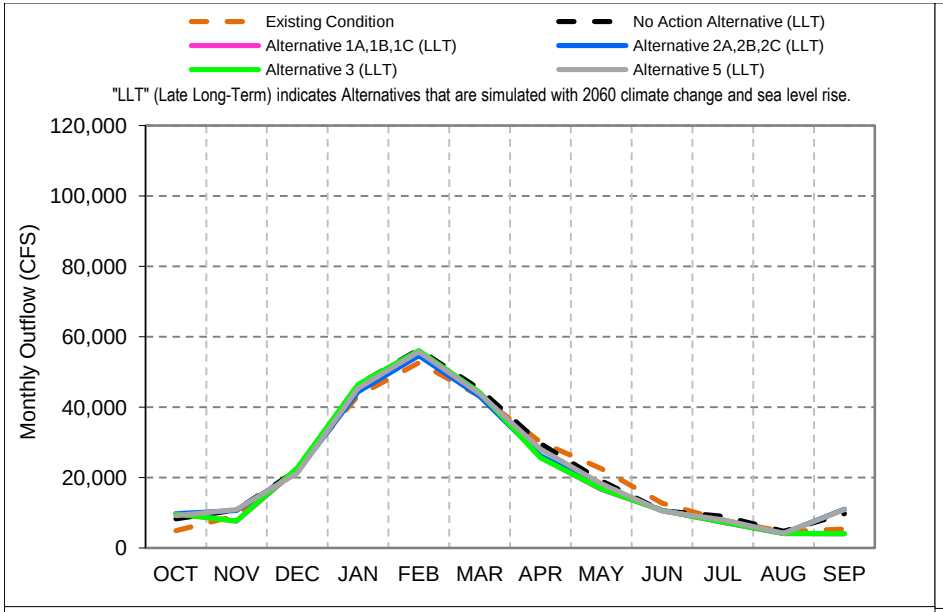
	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	2	0	0	0	0	0	0	0	0	0
20%	3	2	1	0	2	2	7	0	3	9	0	5
30%	0	0	10	5	6	4	1	0	0	0	0	0
40%	0	1	0	0	0	0	1	1	1	1	1	1
50%	1	0	1	1	0	0	1	1	1	1	2	1
60%	0	5	3	2	3	6	1	1	1	0	0	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

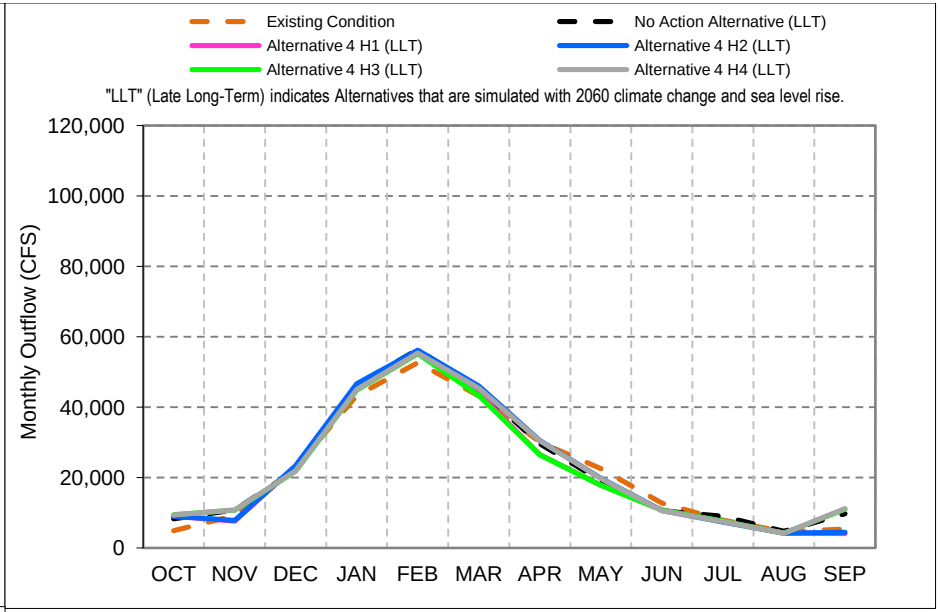
Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

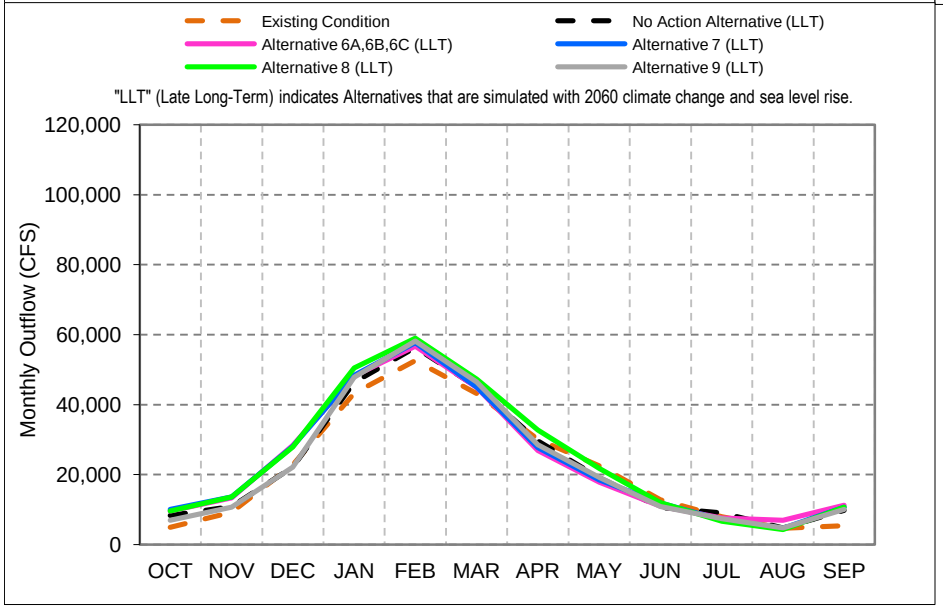
a Based on the 82-year simulation period

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

C.7. Delta Outflow



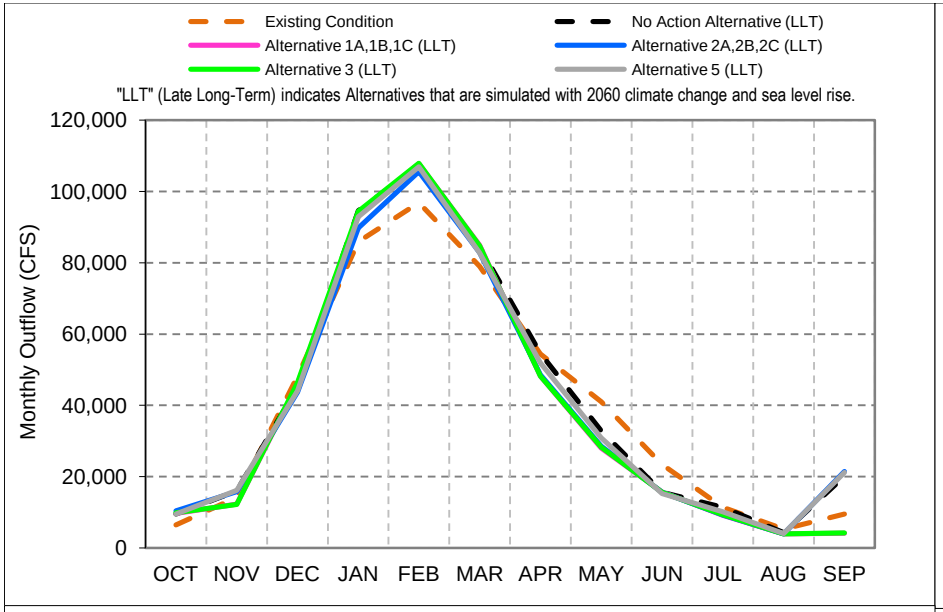


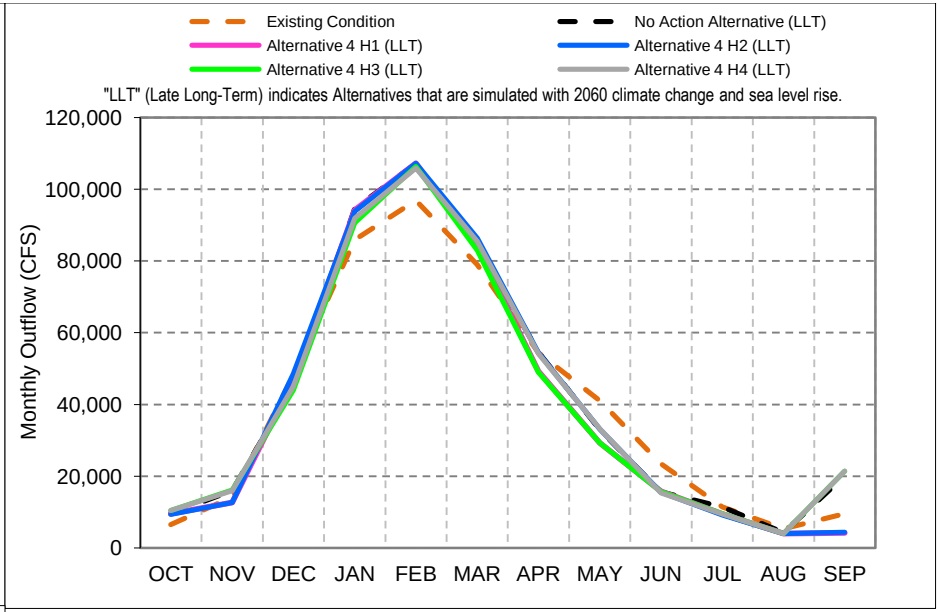


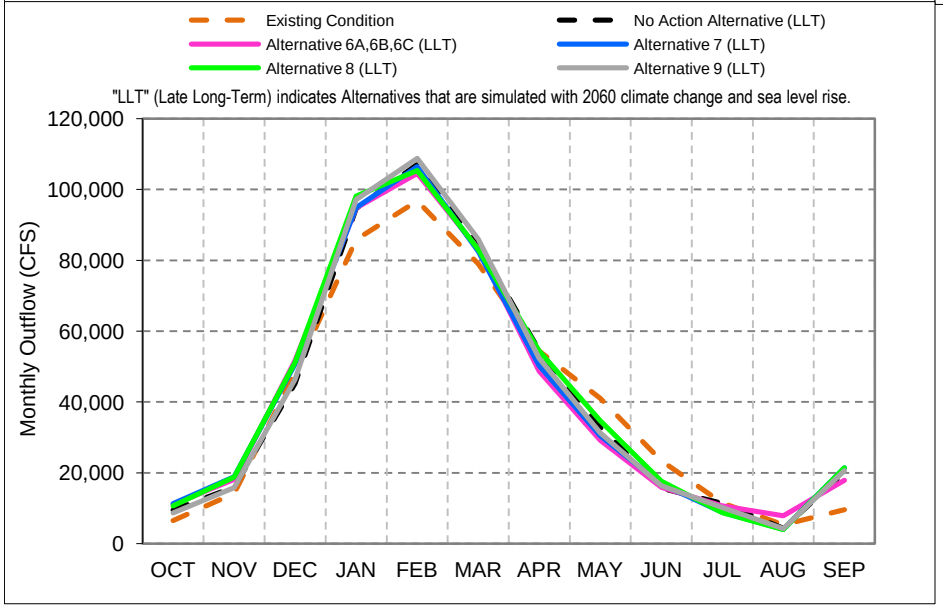
Alternative 4 Scenario Definitions:

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





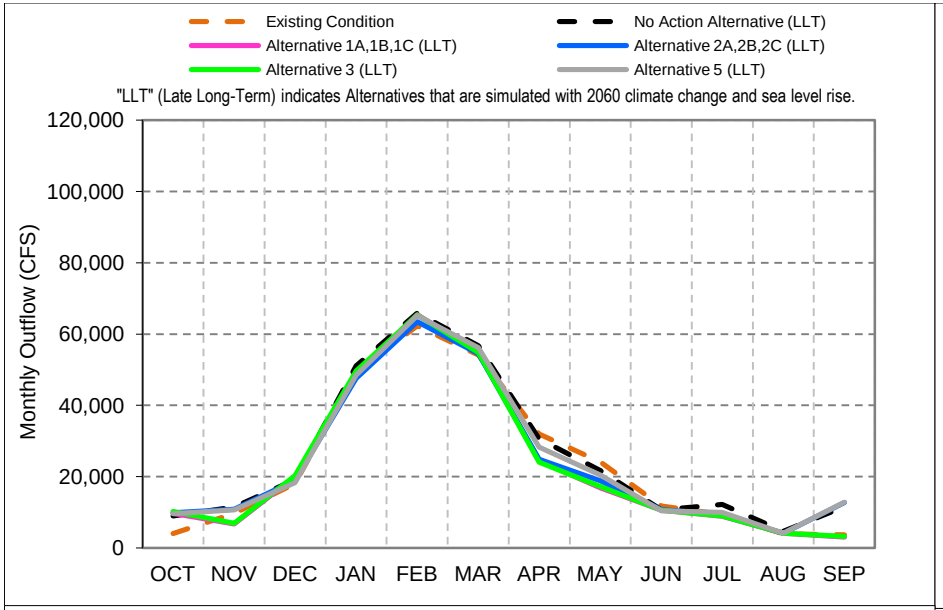


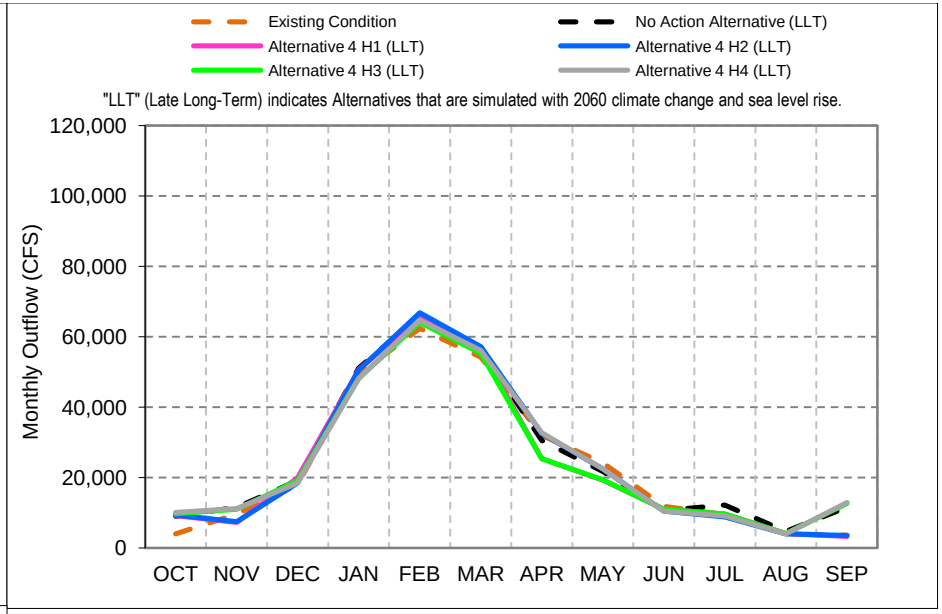
Alternative 4 Scenario Definitions:

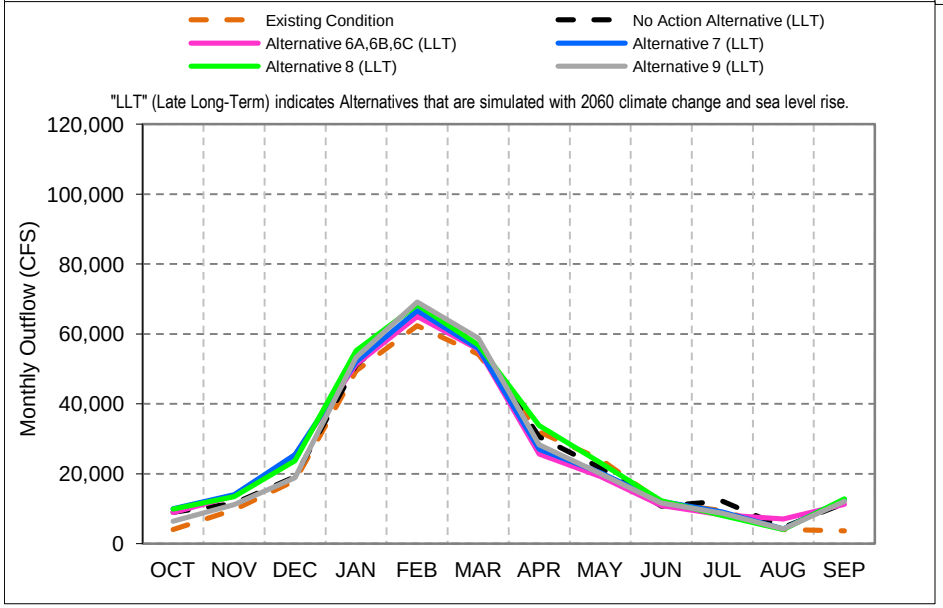
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*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





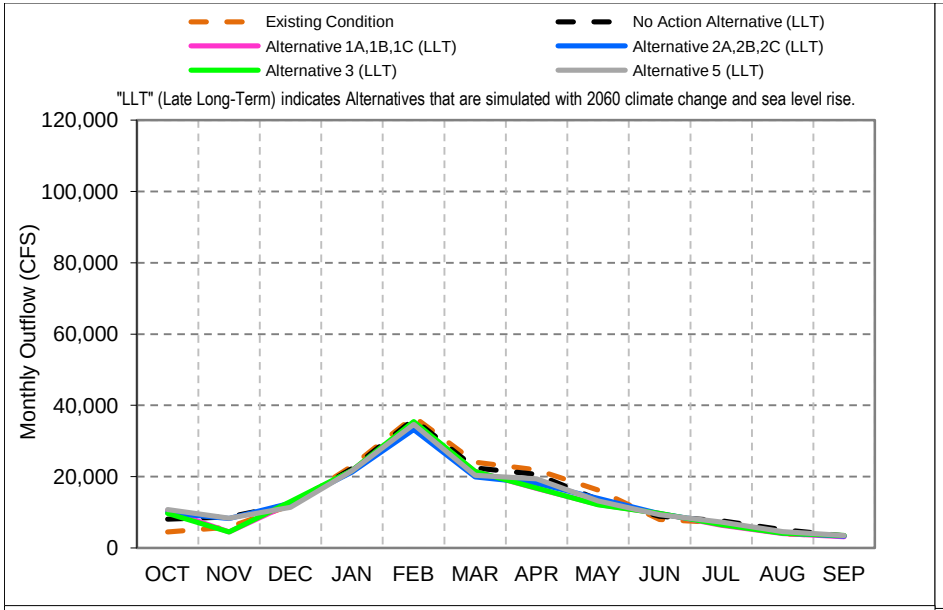


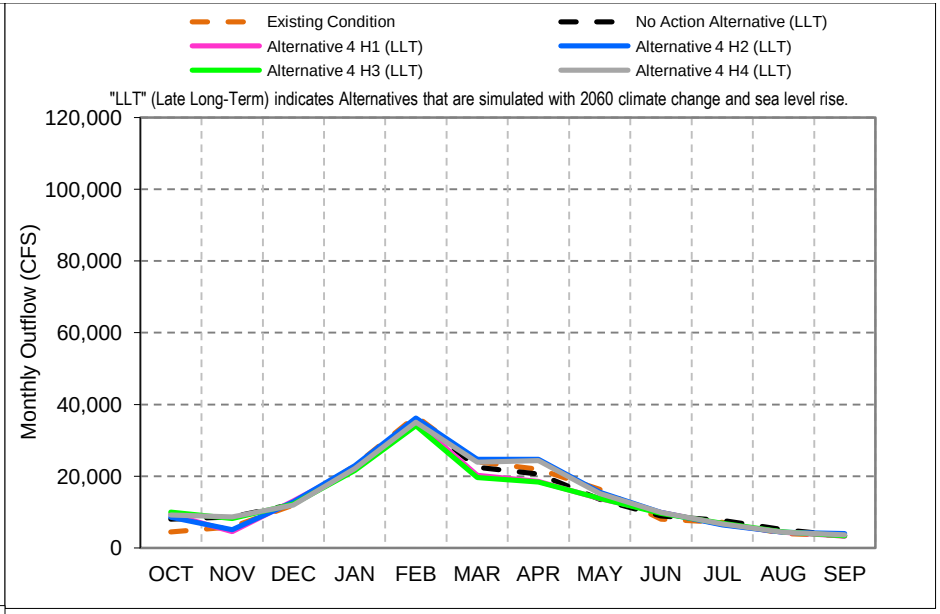
Alternative 4 Scenario Definitions:

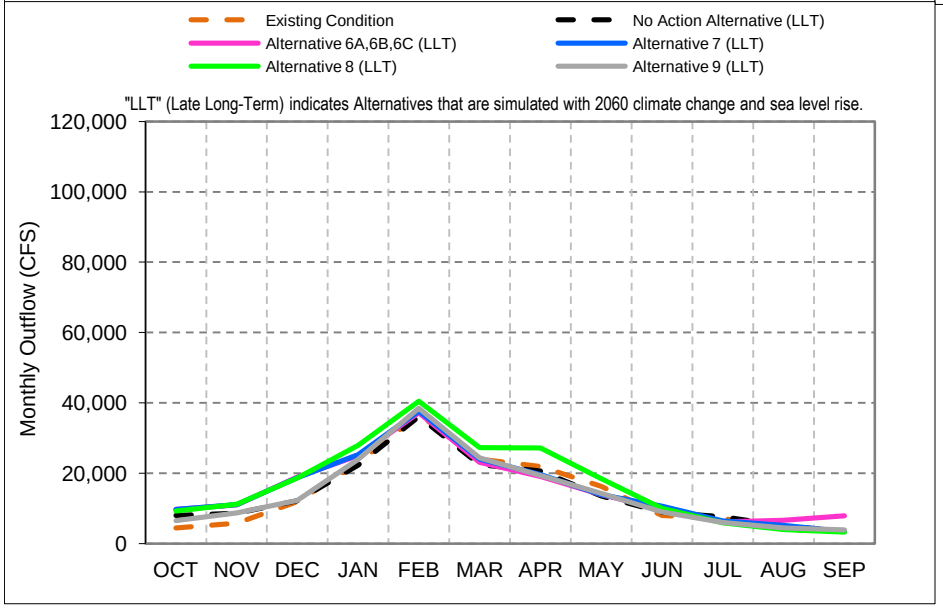
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*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





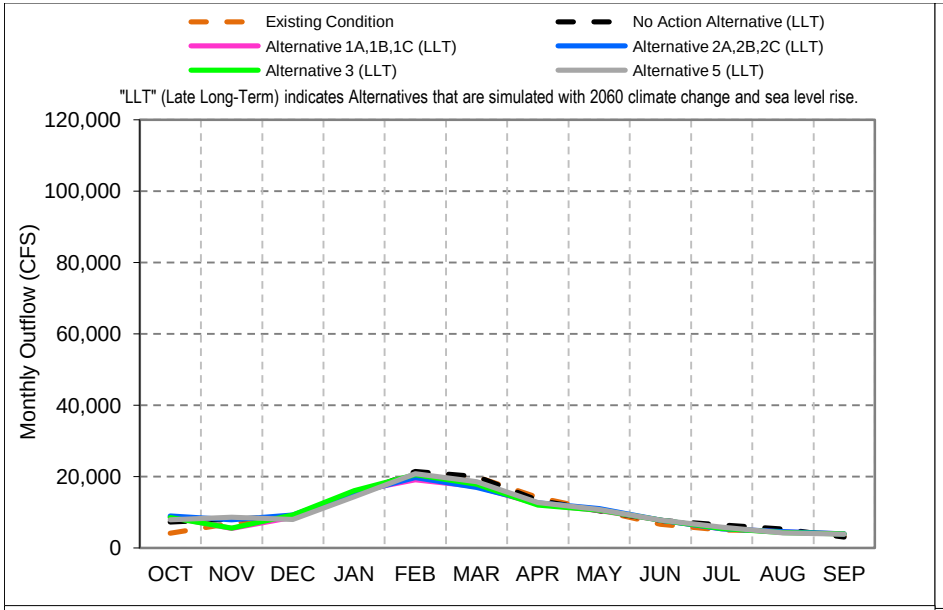


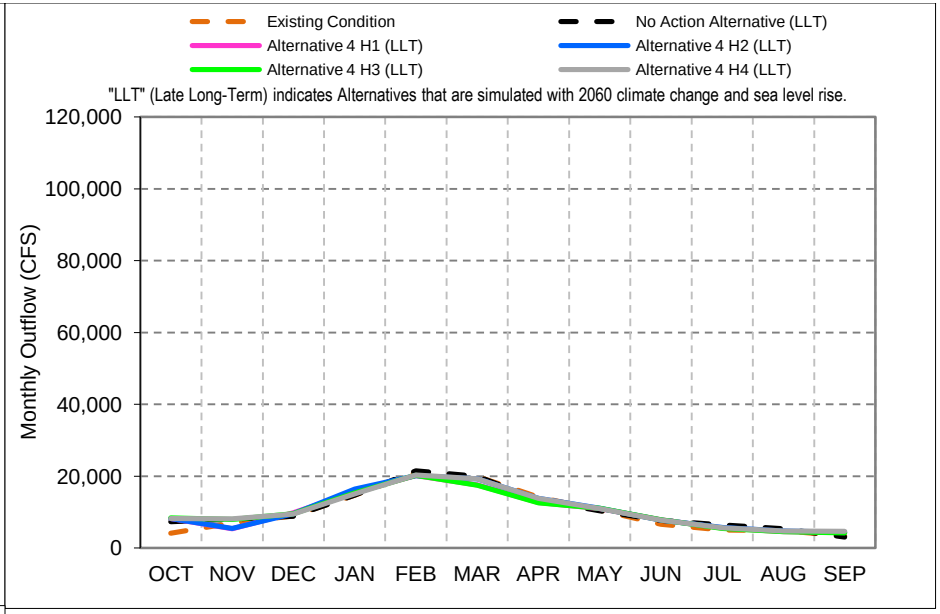
Alternative 4 Scenario Definitions:

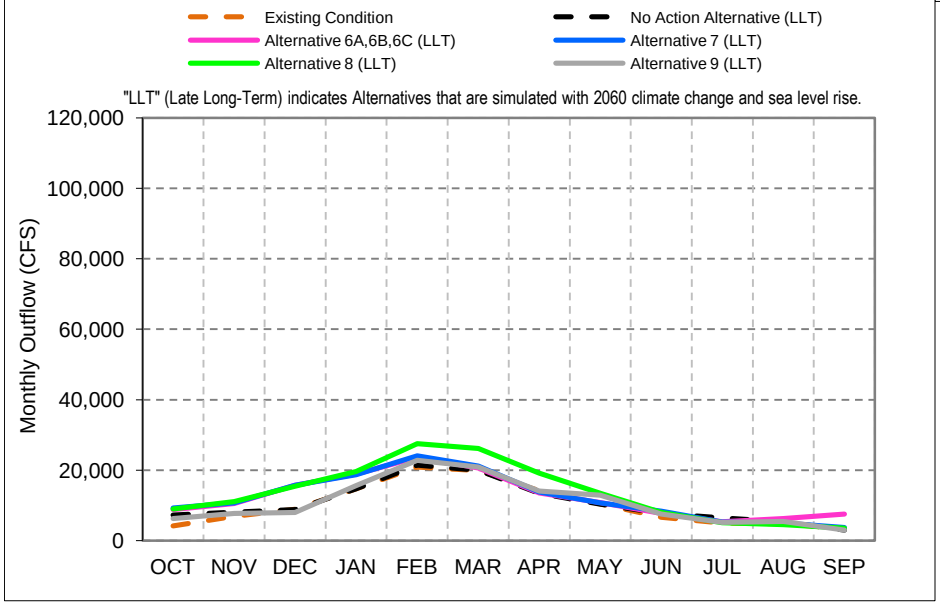
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*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





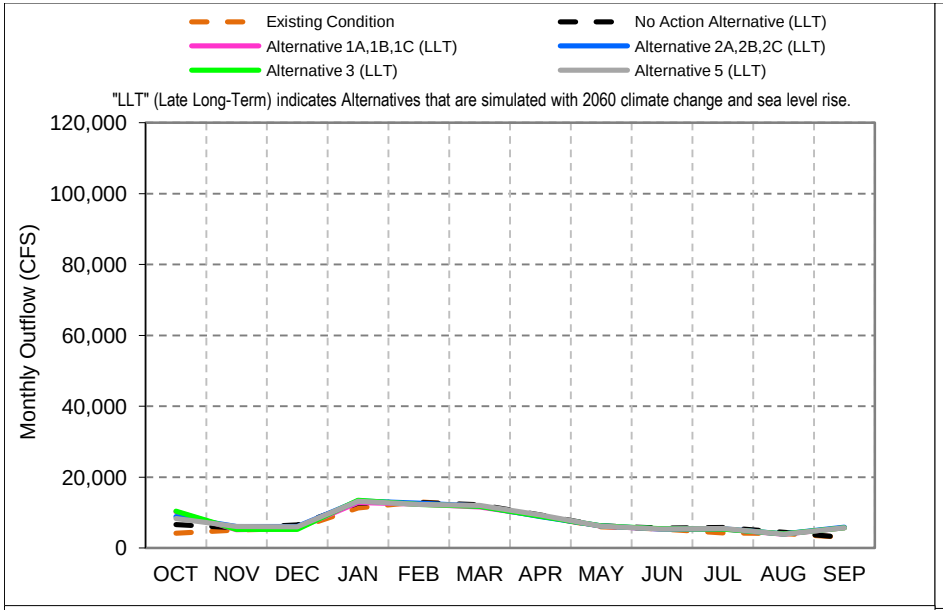


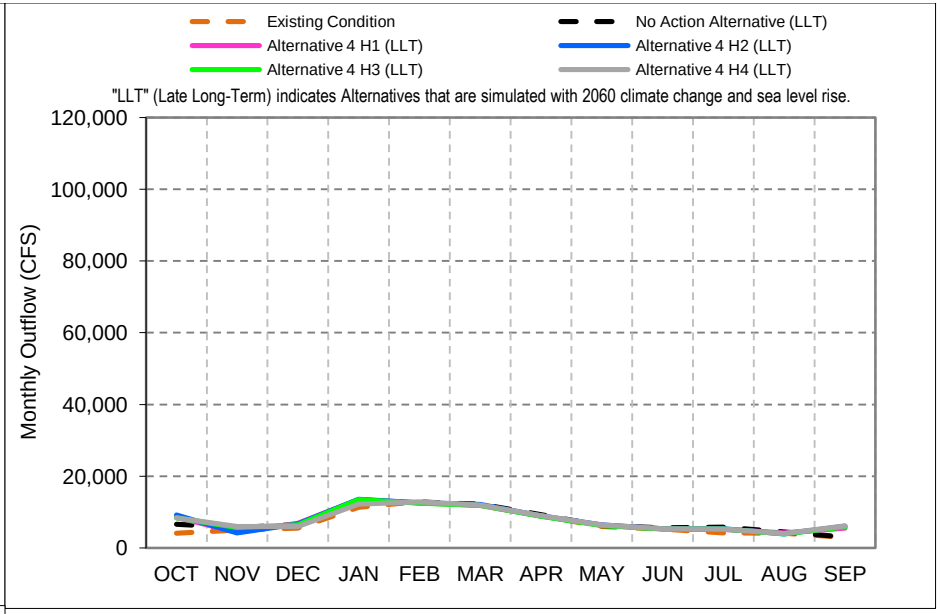
Alternative 4 Scenario Definitions:

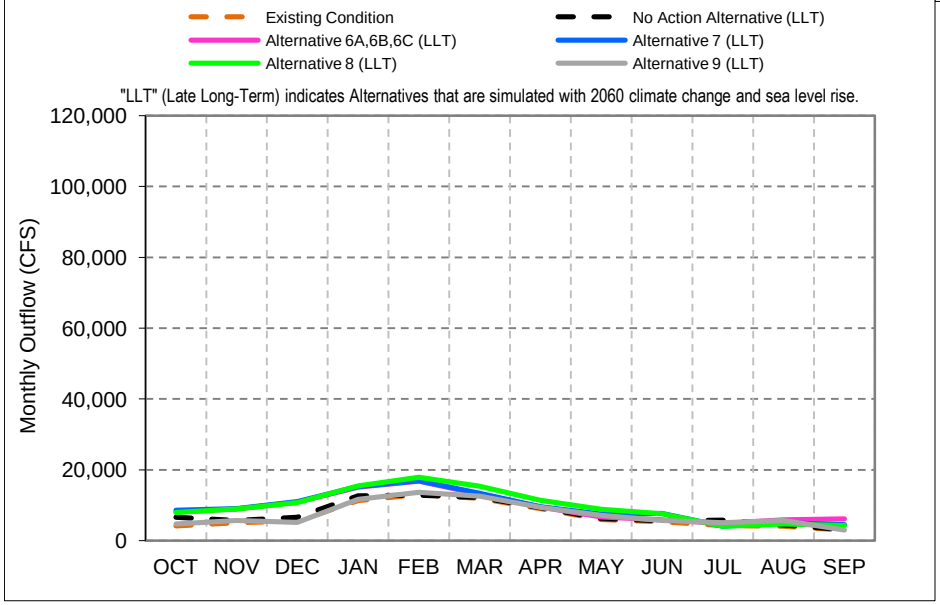
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*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

	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 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 Existing Condition

	Monthly Outflow Rate (CFS)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	AVG
Probability of Exceedance													
10%	4,891	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)

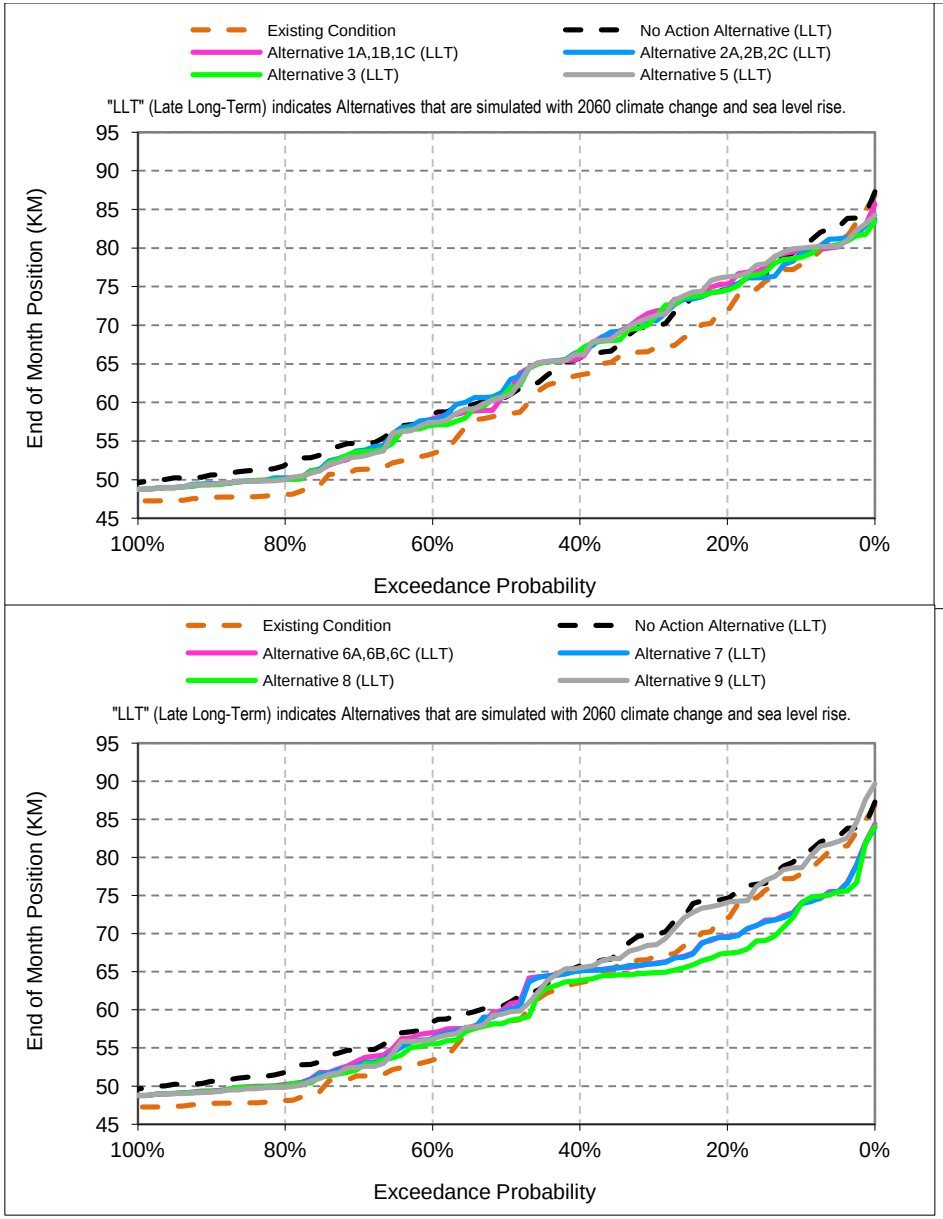
	Monthly Outflow Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	-1	27	247	644	155	-14	-160	-109	-155	-146	-22	19	-104
20%	-29	-3	113	141	91	68	-87	-211	38	-157	-10	11	-52
30%	-29	0	0	148	297	46	-147	-133	41	-132	-3	27	-196
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

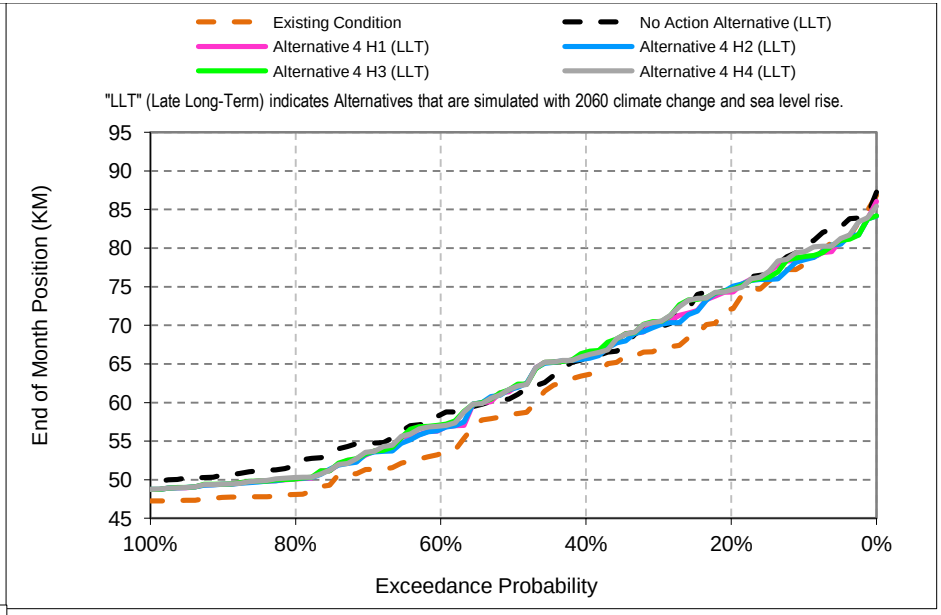
a Based on the 82-year simulation period

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

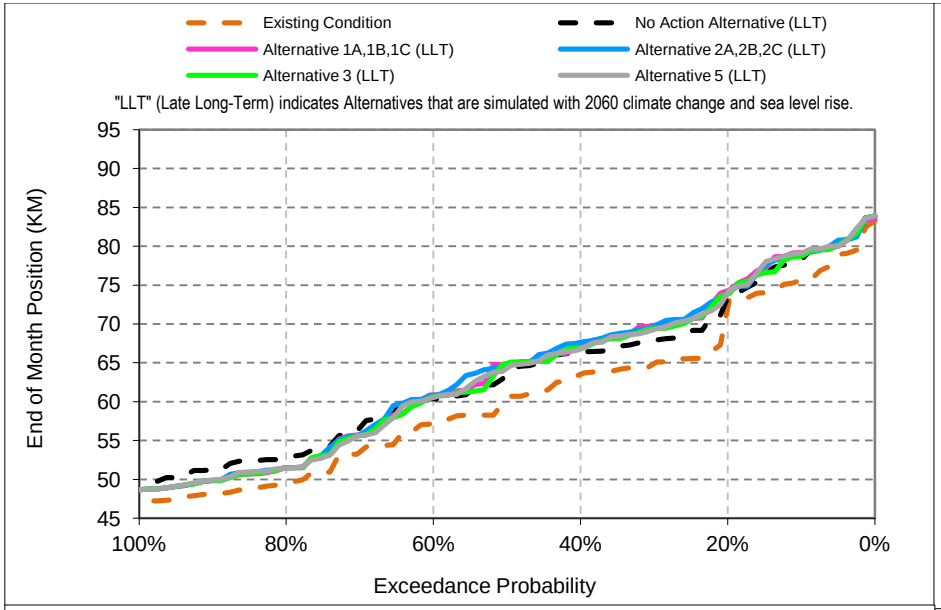


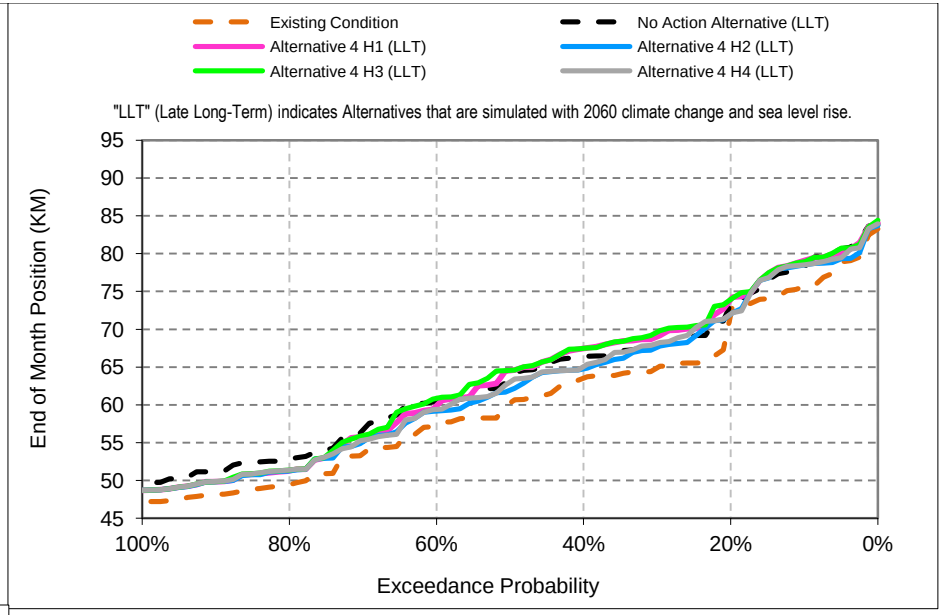


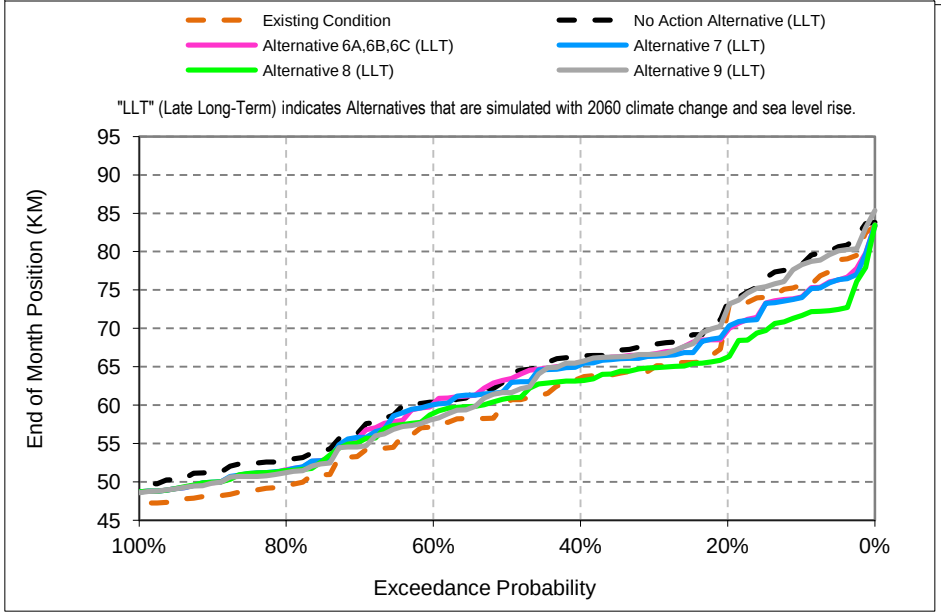
Alternative 4 Scenario Definitions:

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



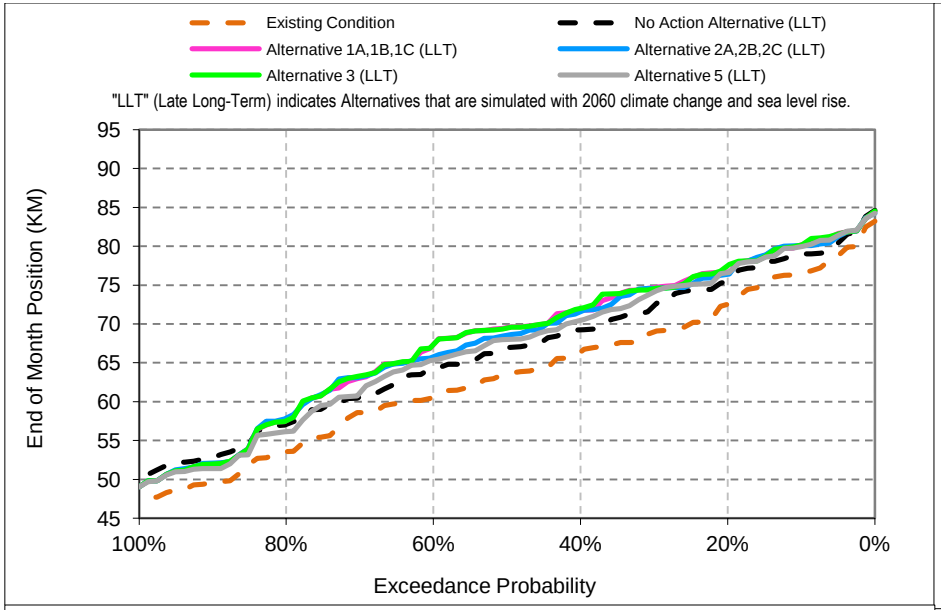


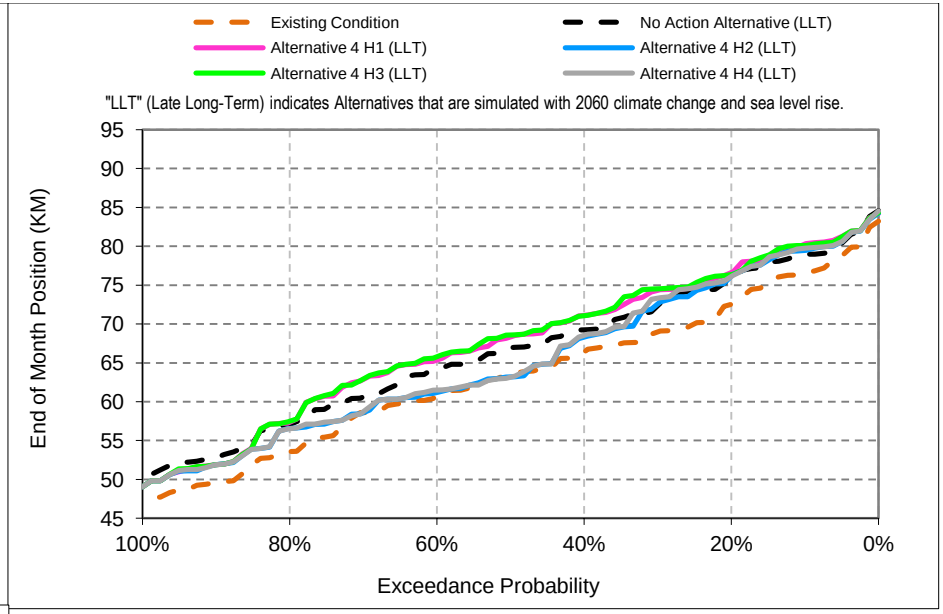


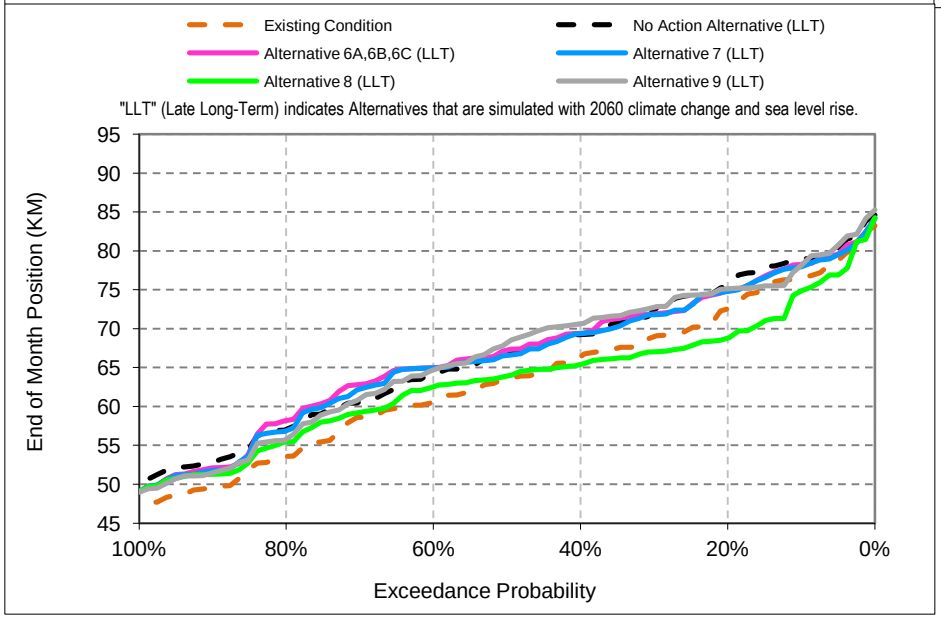
Alternative 4 Scenario Definitions:

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



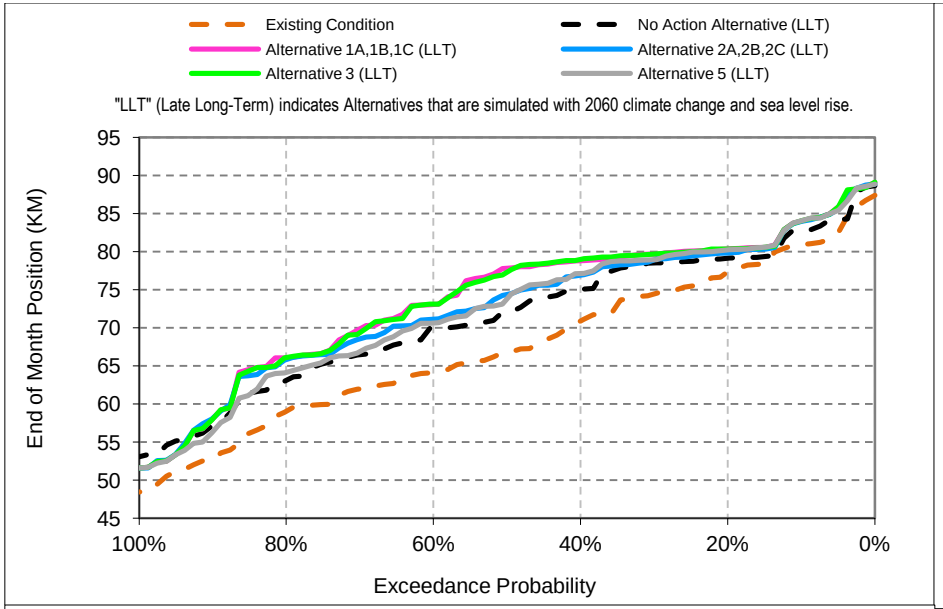


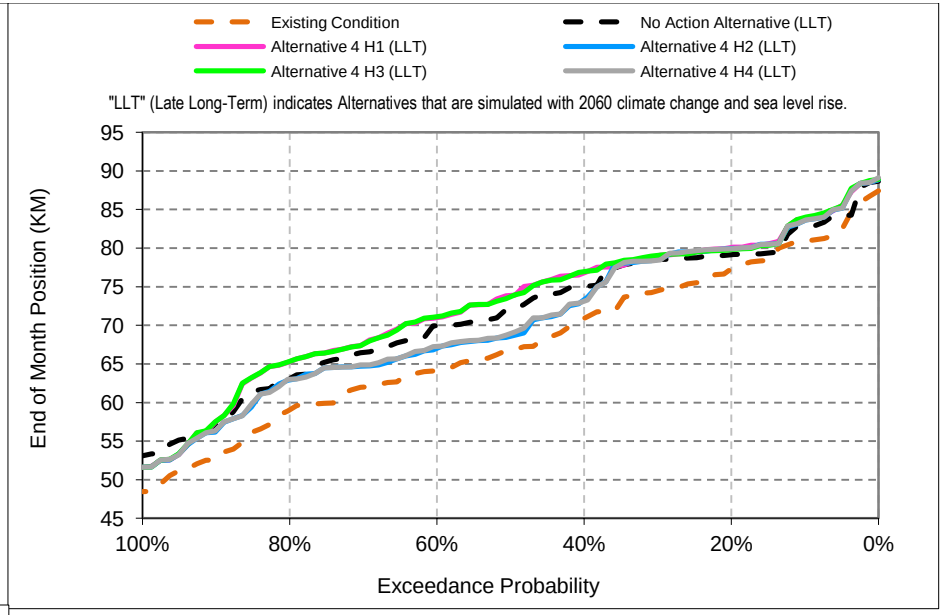


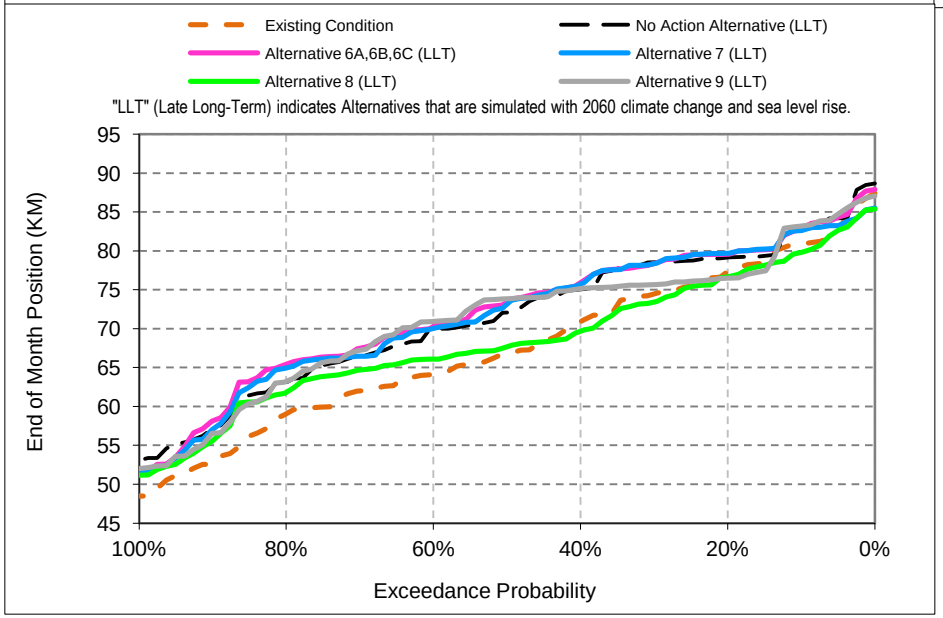
Alternative 4 Scenario Definitions:

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



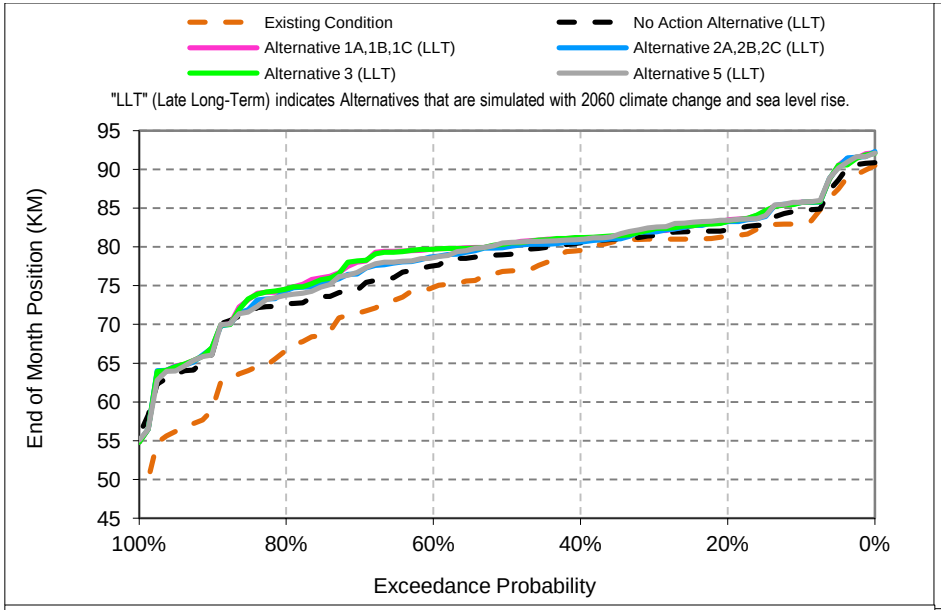


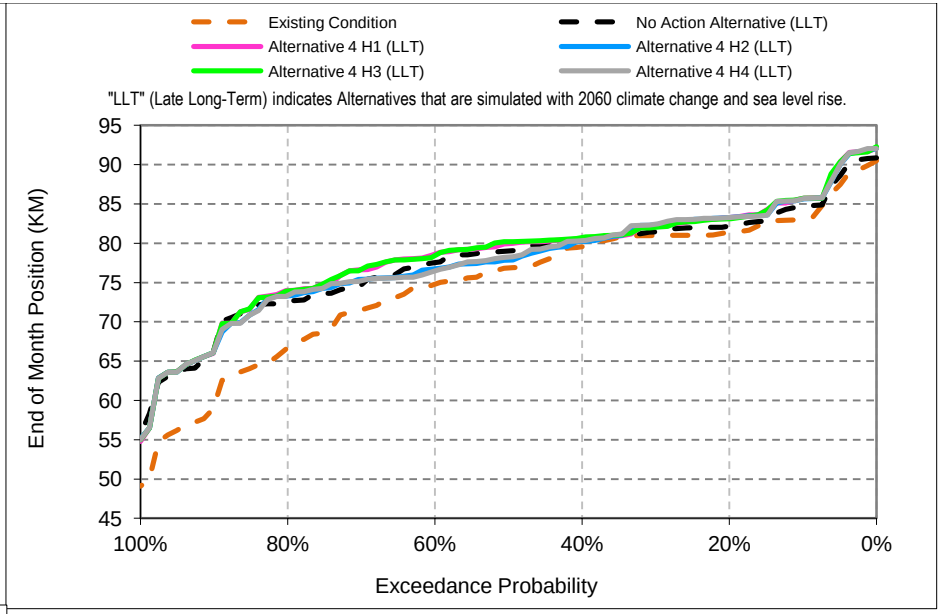


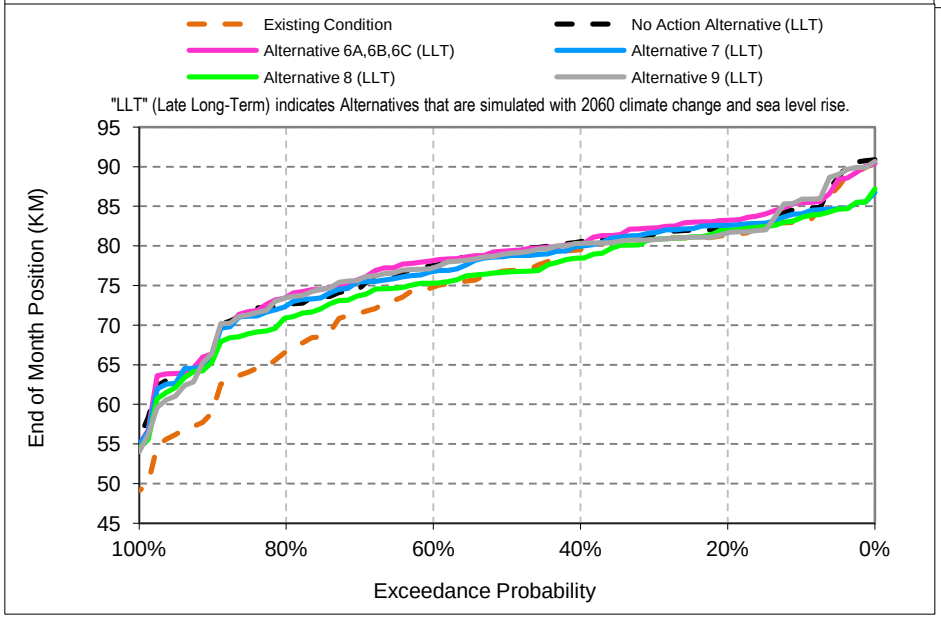
Alternative 4 Scenario Definitions:

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



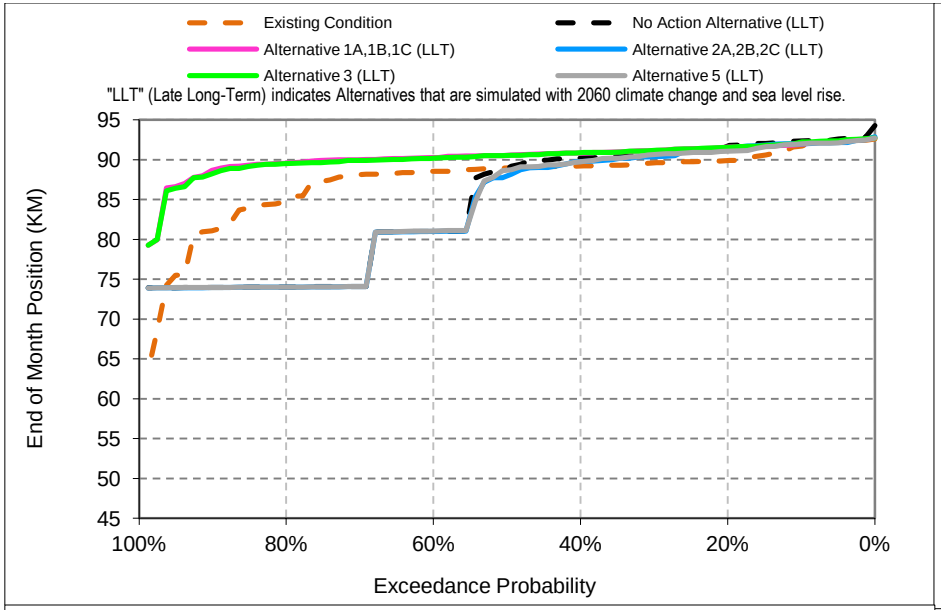


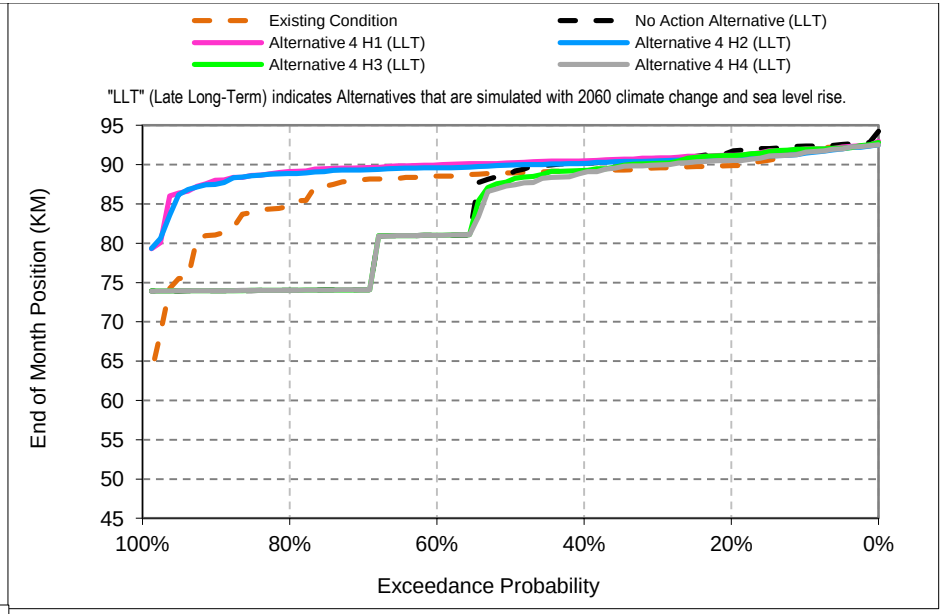


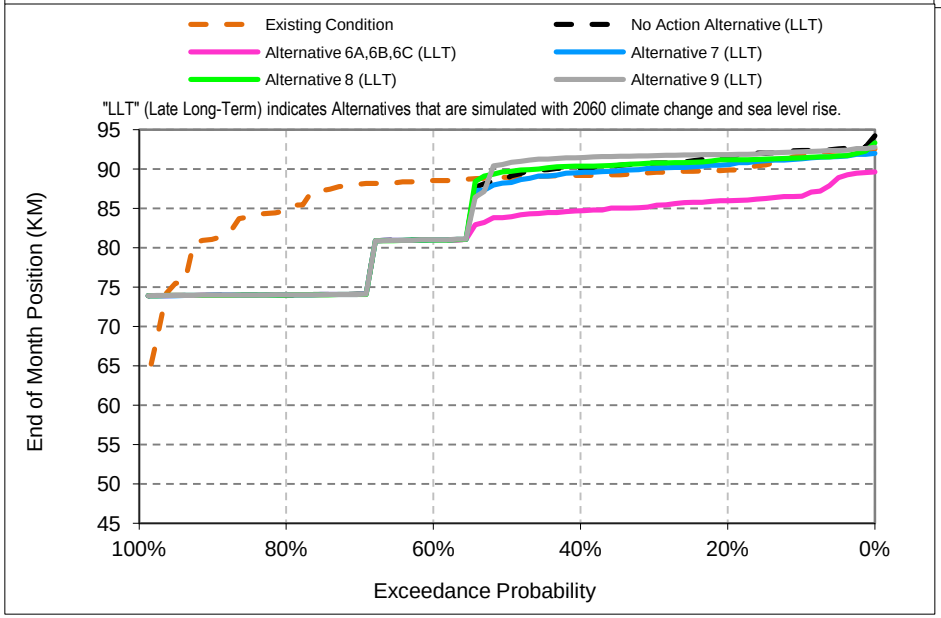
Alternative 4 Scenario Definitions:

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



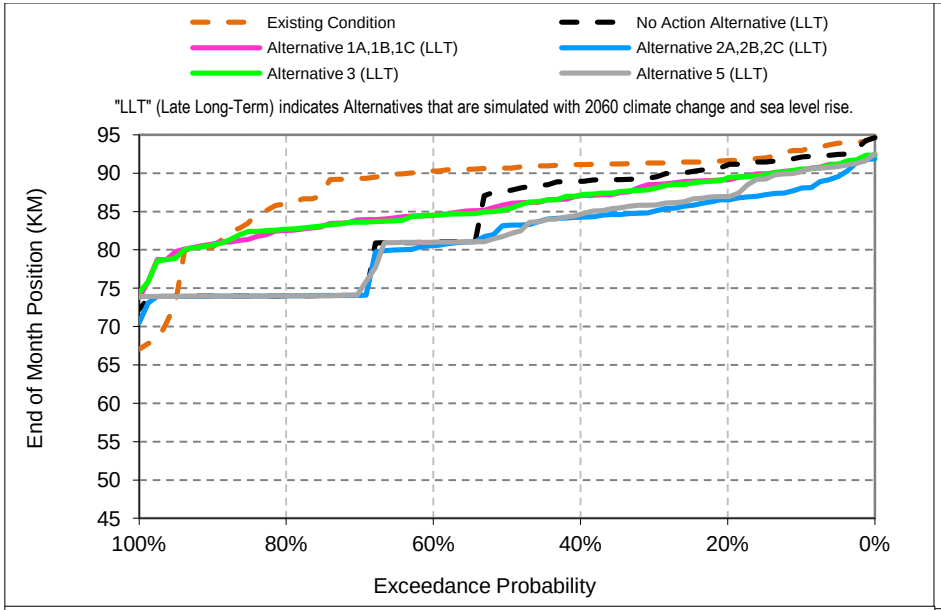


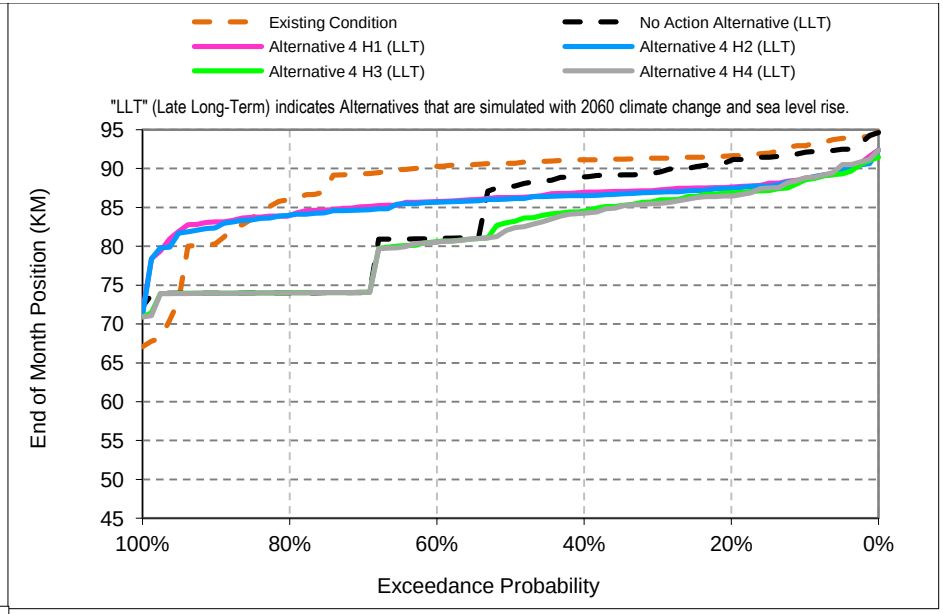


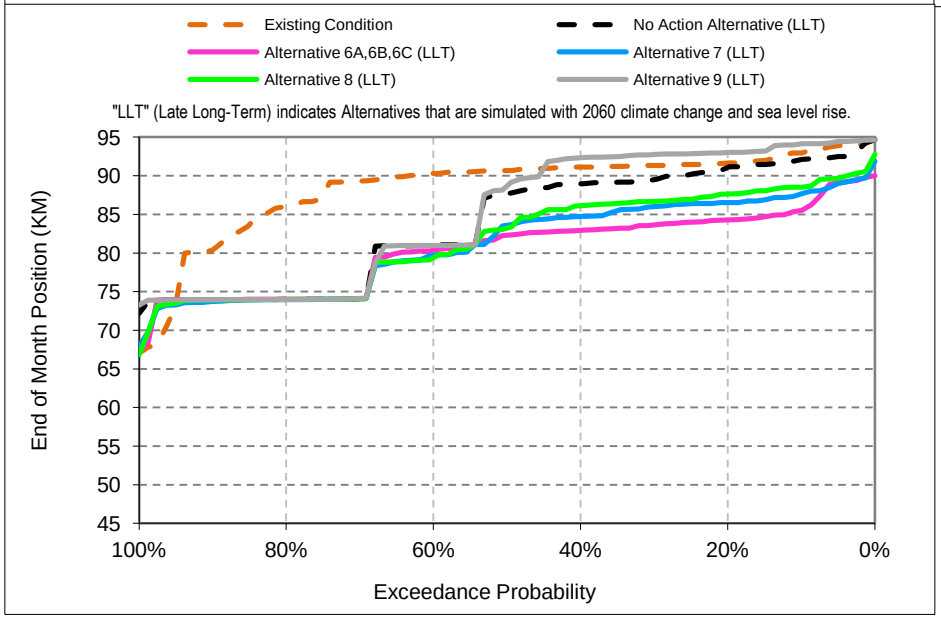
Alternative 4 Scenario Definitions:

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



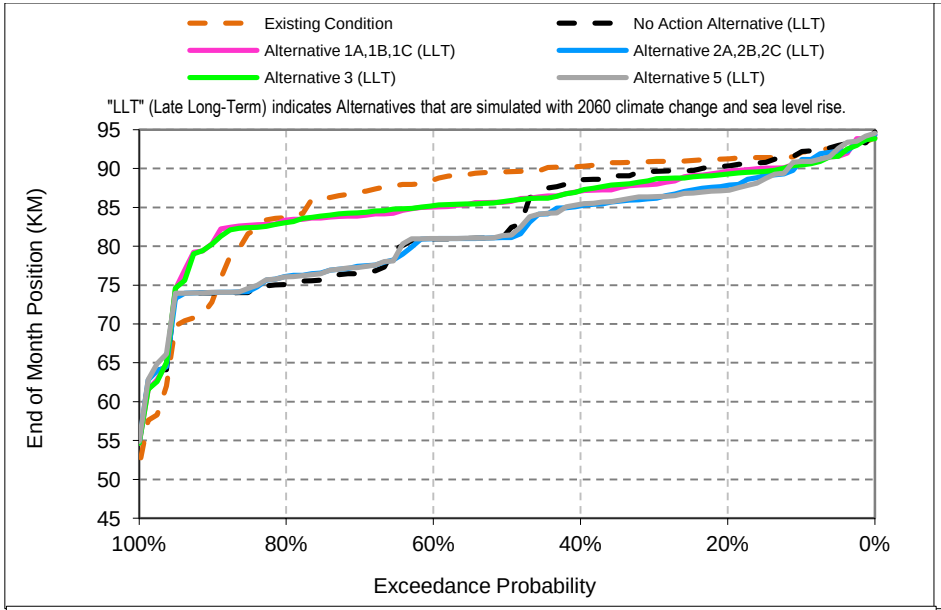


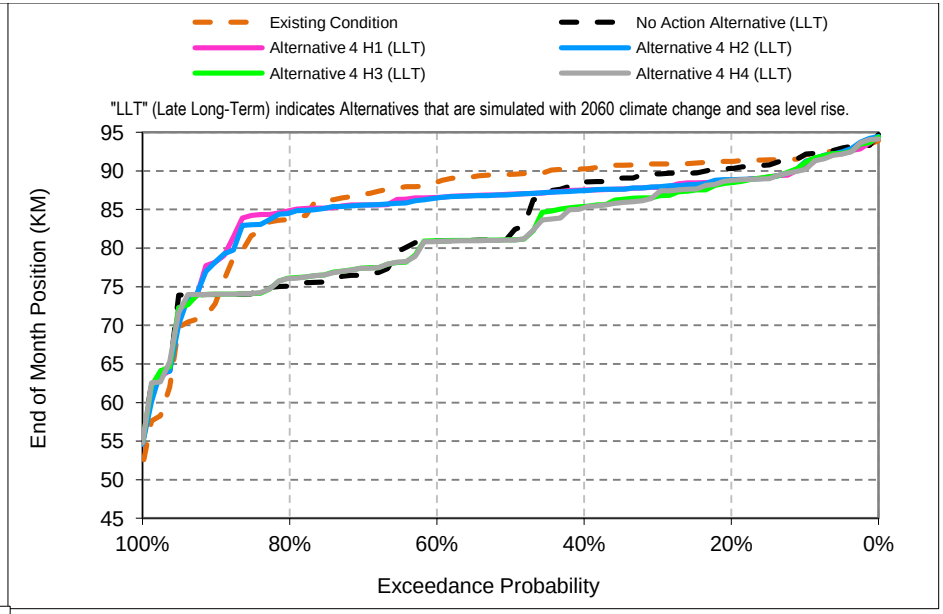


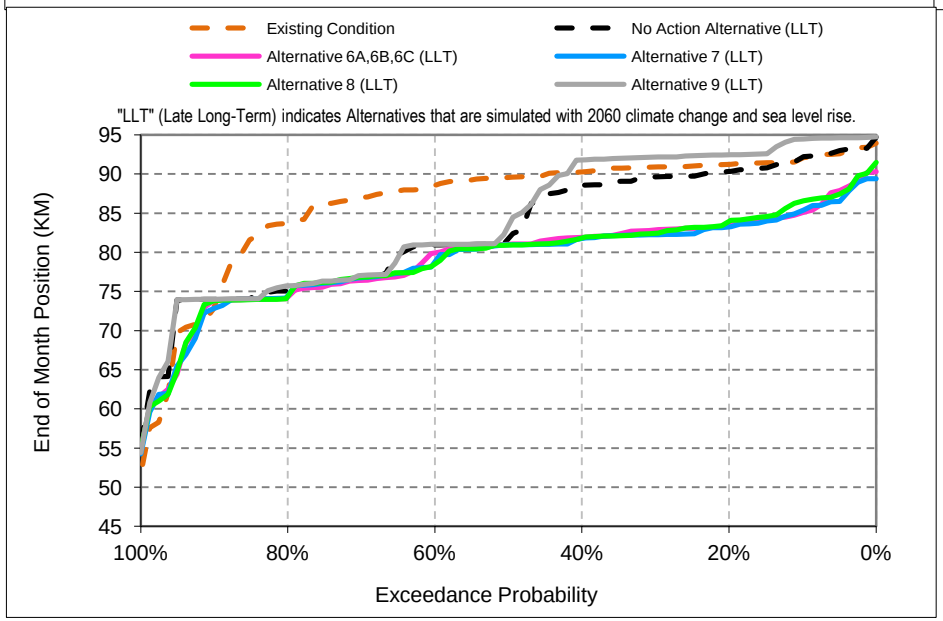
Alternative 4 Scenario Definitions:

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

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 5 (LLT)

Statistic	End of Month Position (KM)											
	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

Statistic	End of Month Position (KM)											
	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

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 6A,6B,6C (LLT)

Statistic	End of Month Position (KM)											
	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

Statistic	End of Month Position (KM)											
	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)

	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 2A,2B,2C (LLT)

	End of Month Position (KM)											
Statistic	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)

	End of Month Position (KM)											
Statistic	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)

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 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 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%	-1.6	-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)

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 6A,6B,6C (LLT)

Statistic	End of Month Position (KM)											
	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)

Statistic	End of Month Position (KM)											
	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)

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 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 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%	-4.4	-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)

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 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 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	-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

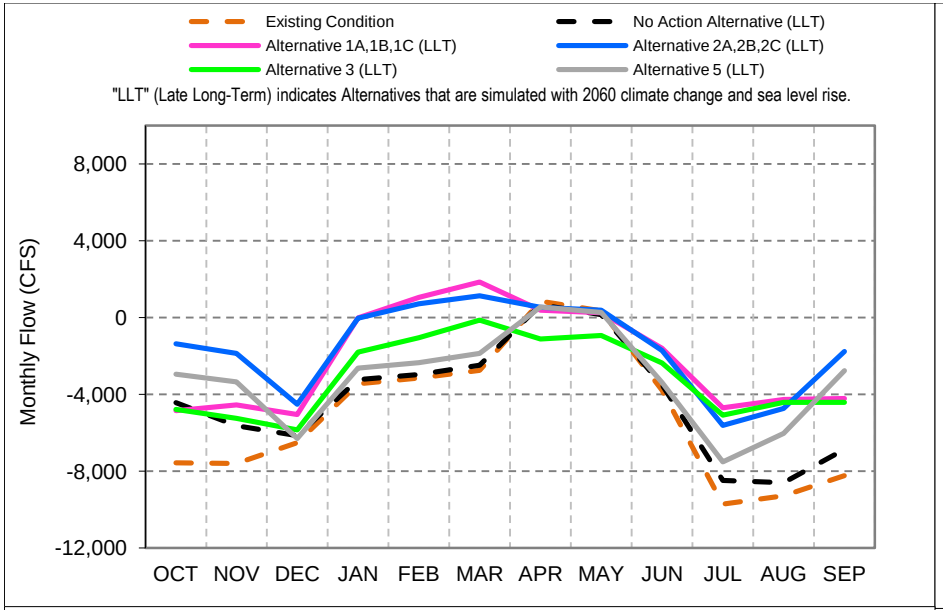
a Based on the 82-year simulation period

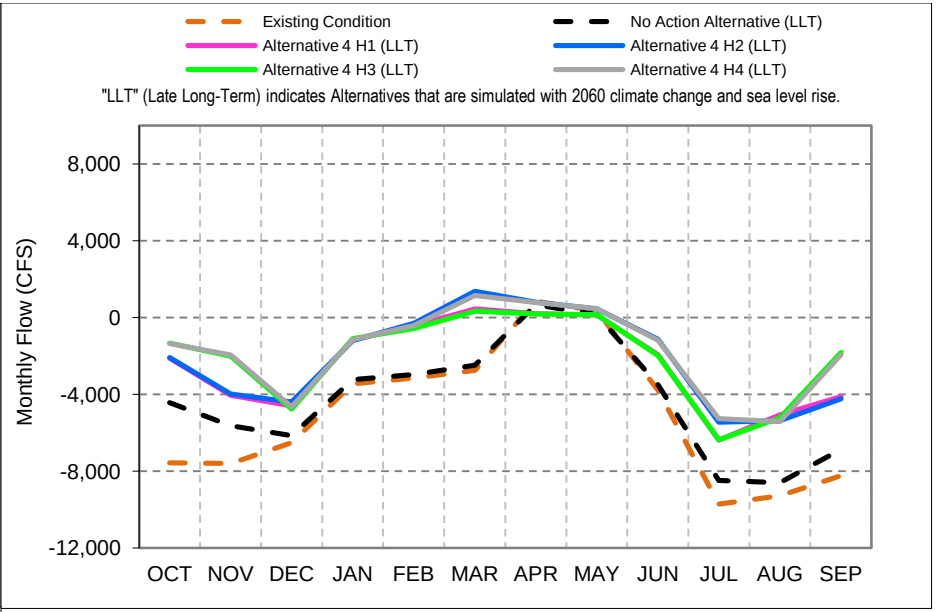
b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999) calculated for current and future climate.

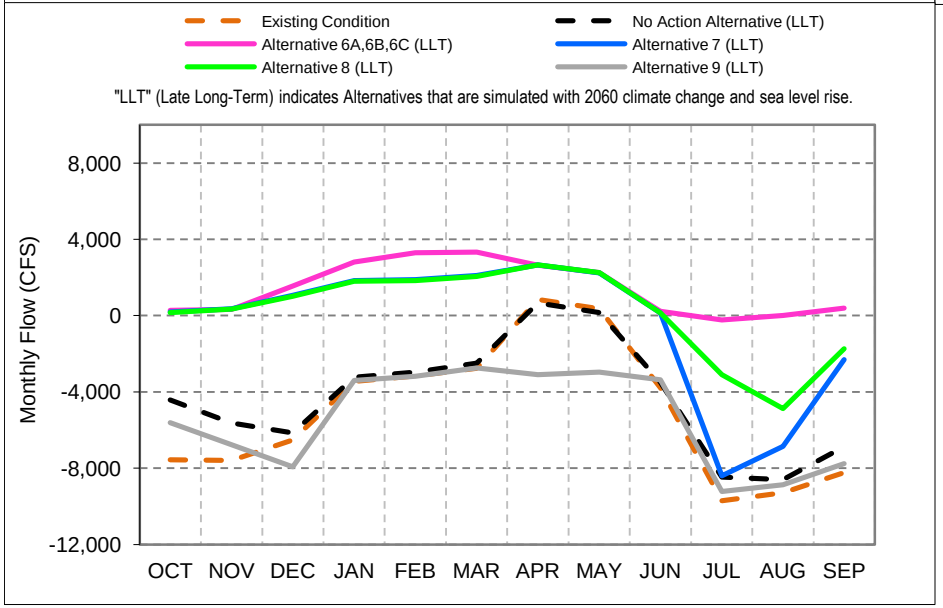
Positive differences highlighted in red indicate eastward movement of X2 position

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

C.9. Old and Middle River Flow



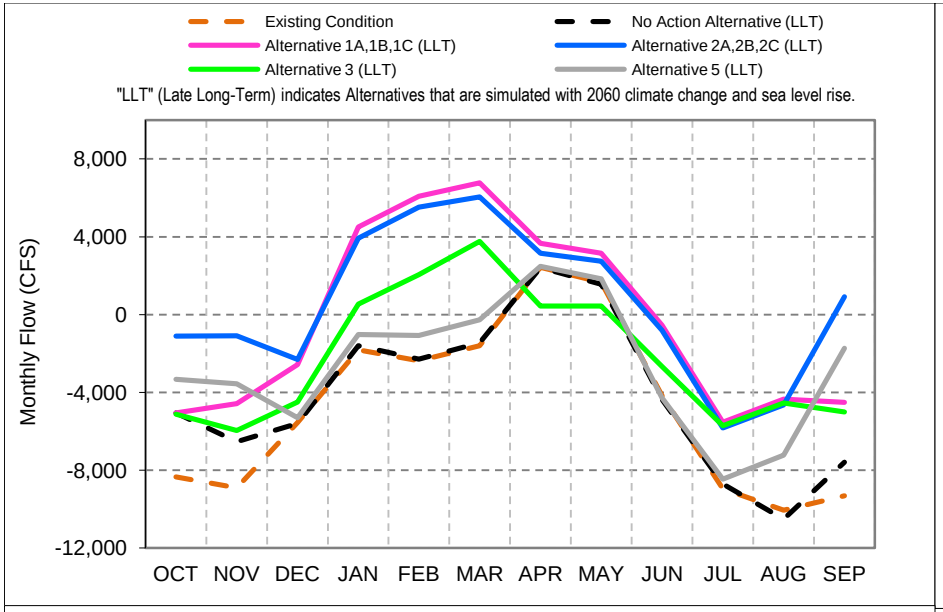


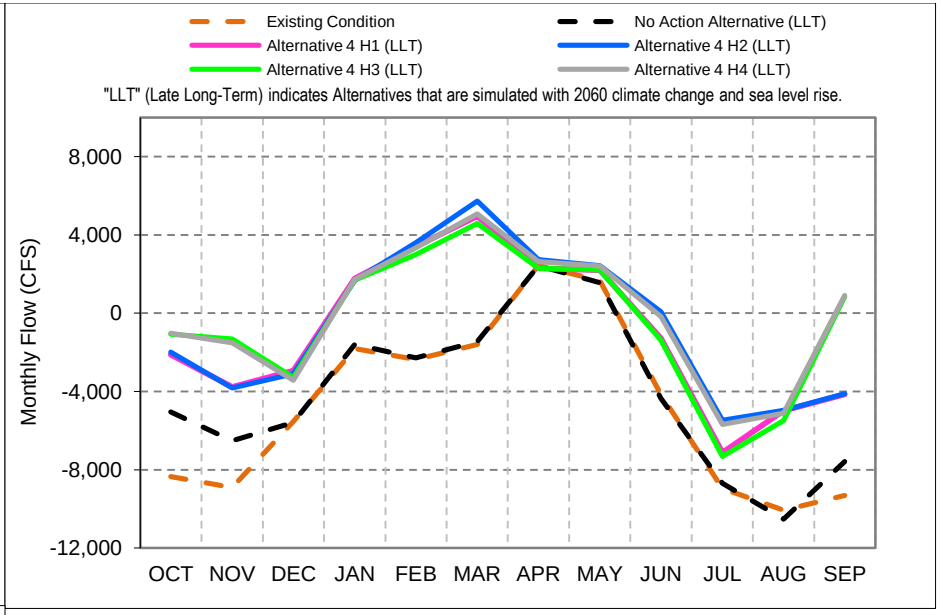


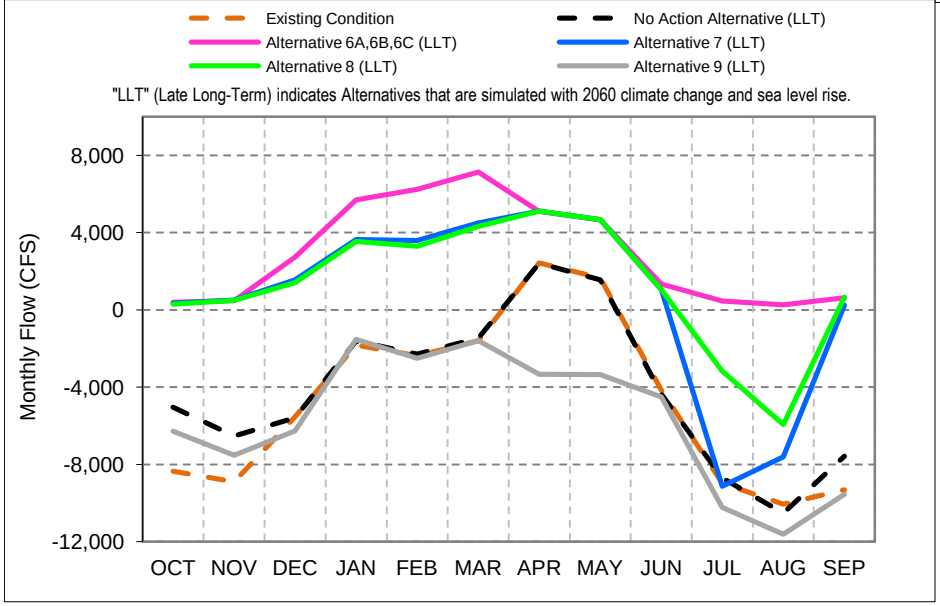
Alternative 4 Scenario Definitions:

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





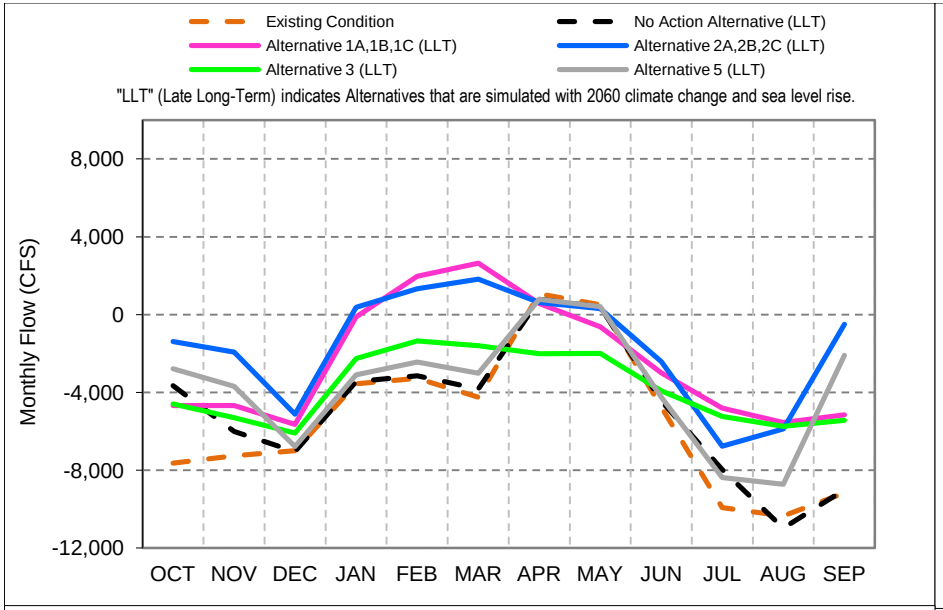


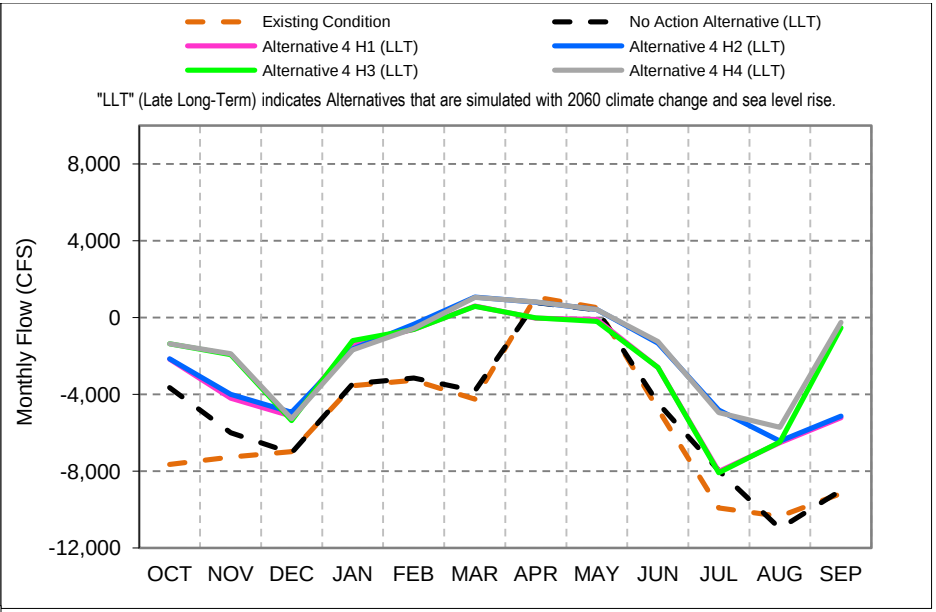
Alternative 4 Scenario Definitions:

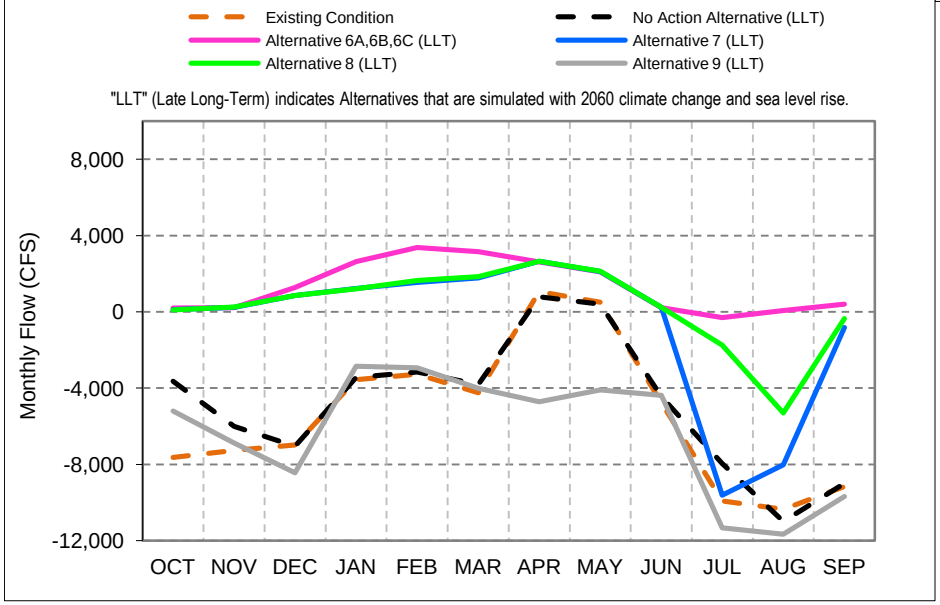
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*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





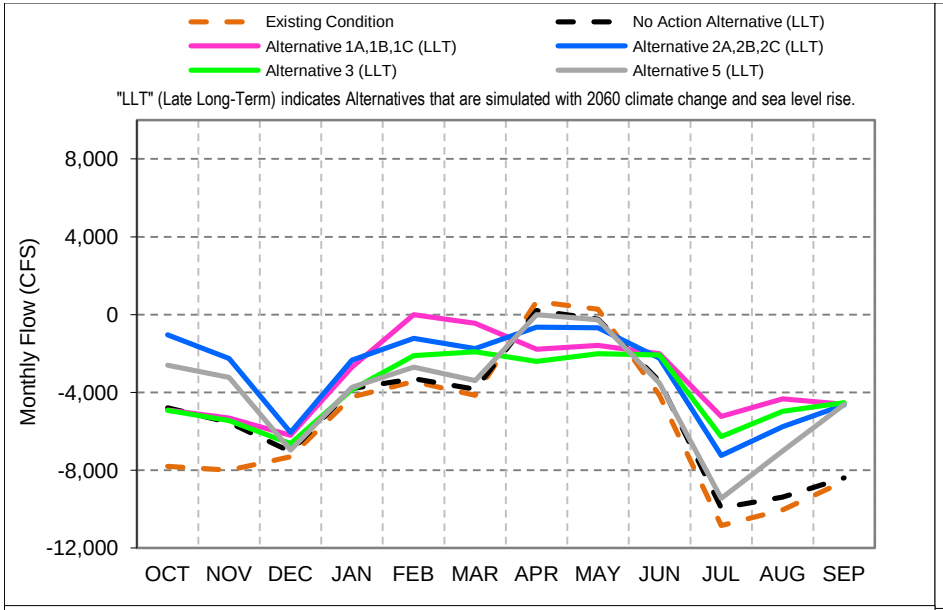


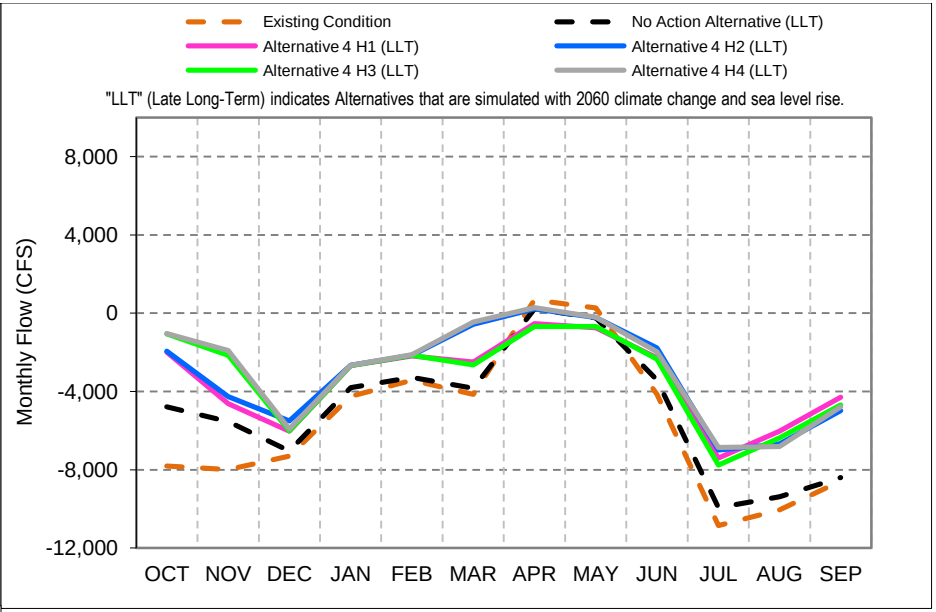
Alternative 4 Scenario Definitions:

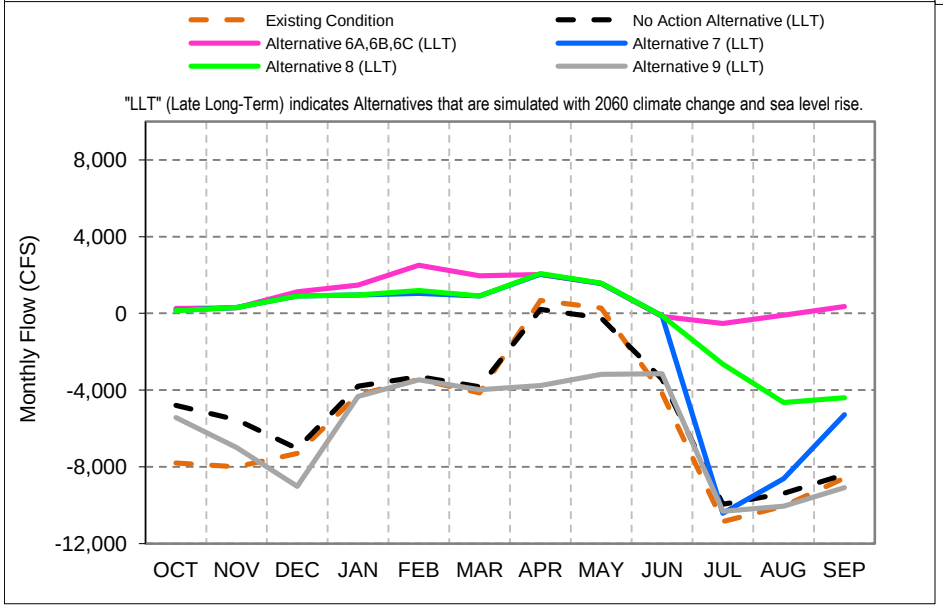
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*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





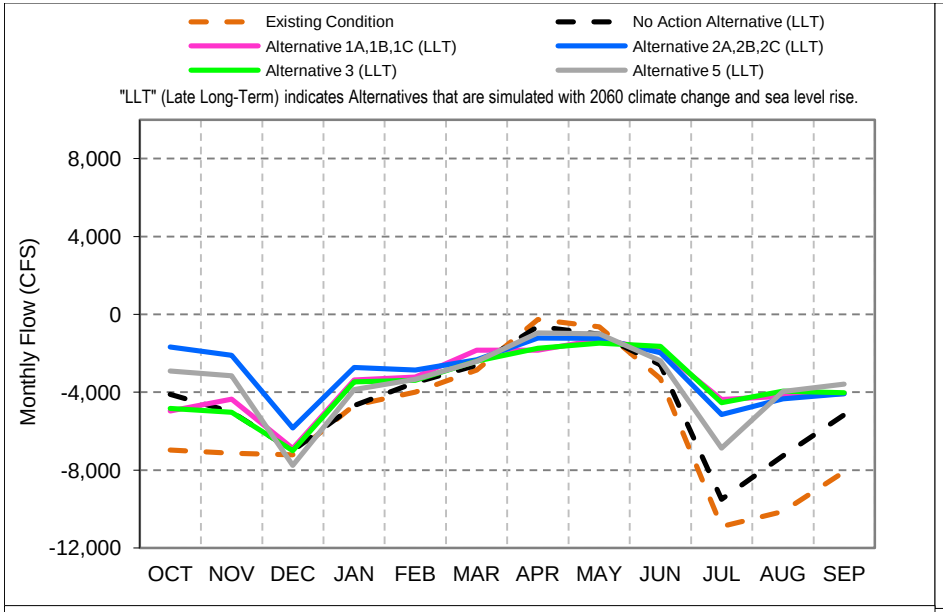


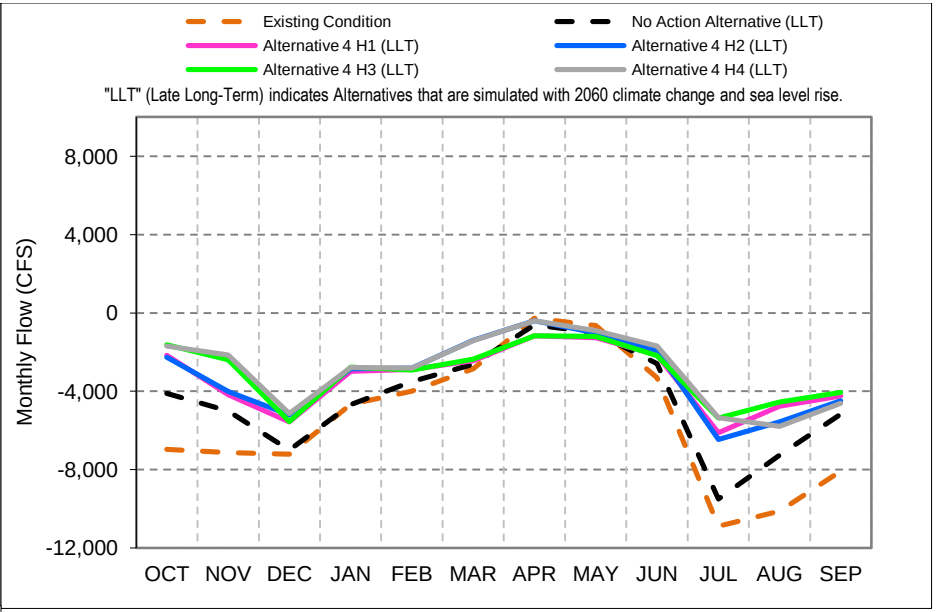
Alternative 4 Scenario Definitions:

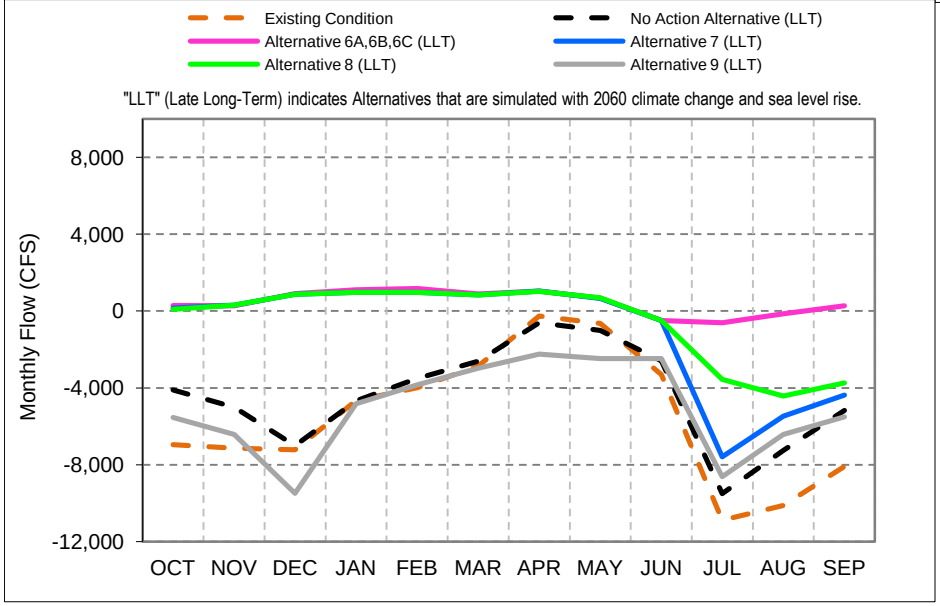
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*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





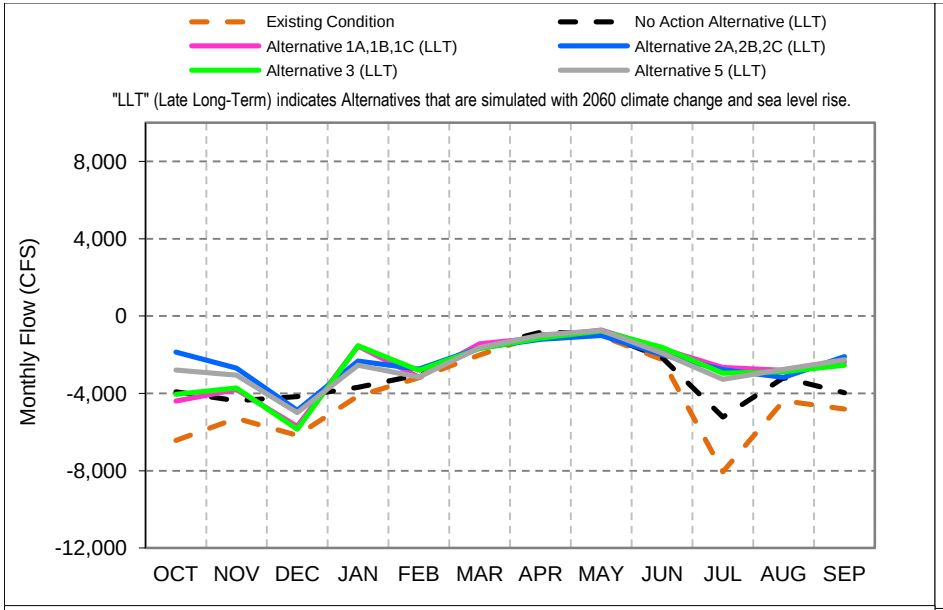


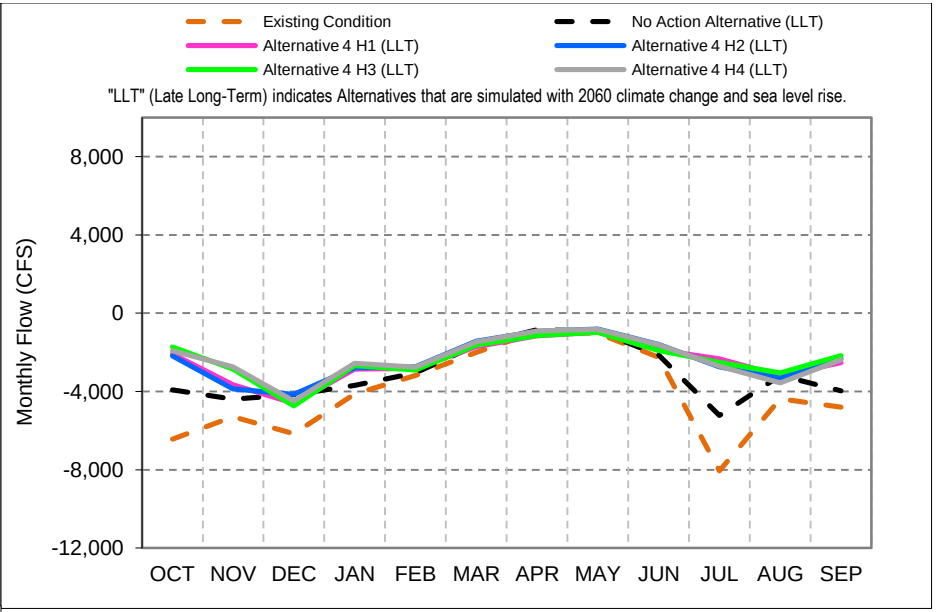
Alternative 4 Scenario Definitions:

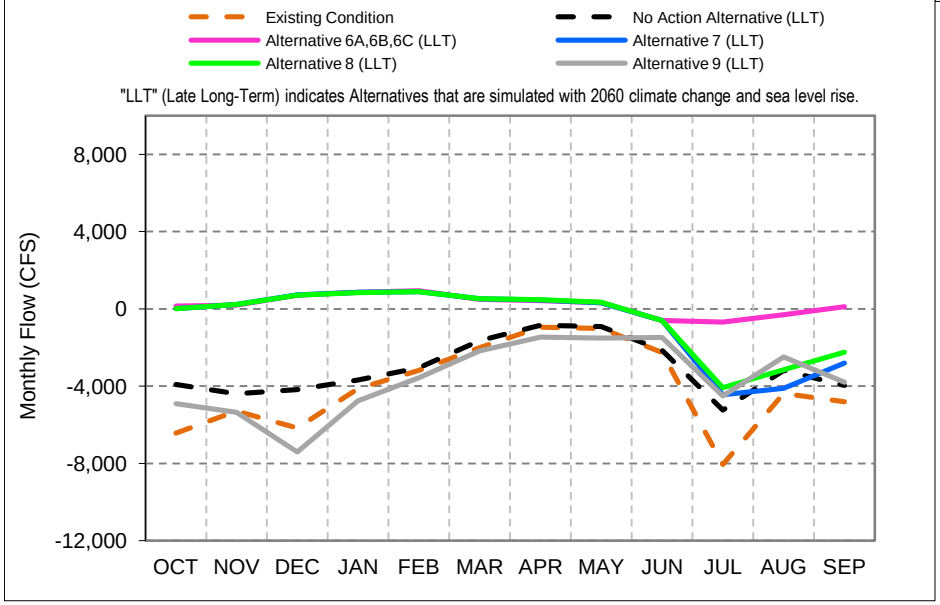
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*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)

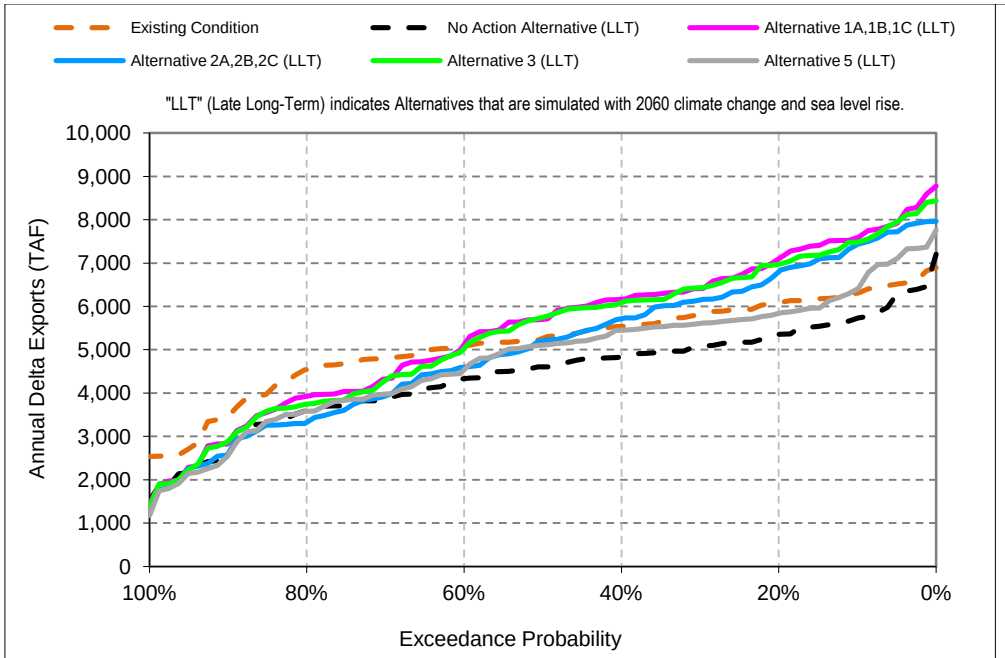
	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	**-836**	**-1,607**	**-2,759**	**-909**	**-834**	**-617**	**-4,451**	**-3,887**	520	753	1,226	180
20%	**-926**	**-848**	**-1,744**	0	**-437**	**-344**	**-3,405**	**-2,451**	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

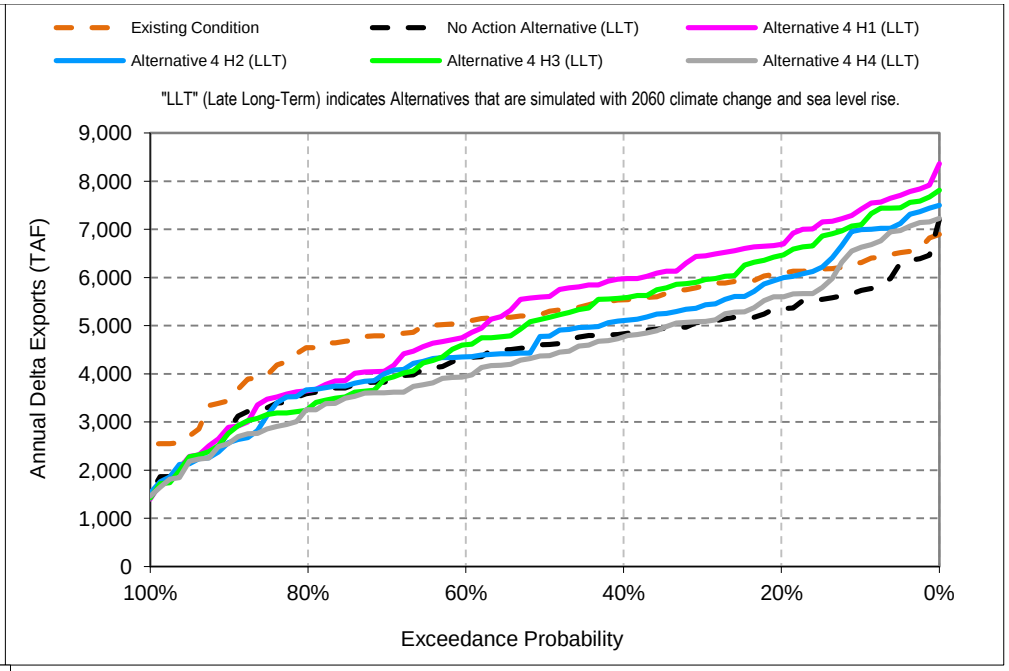
Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

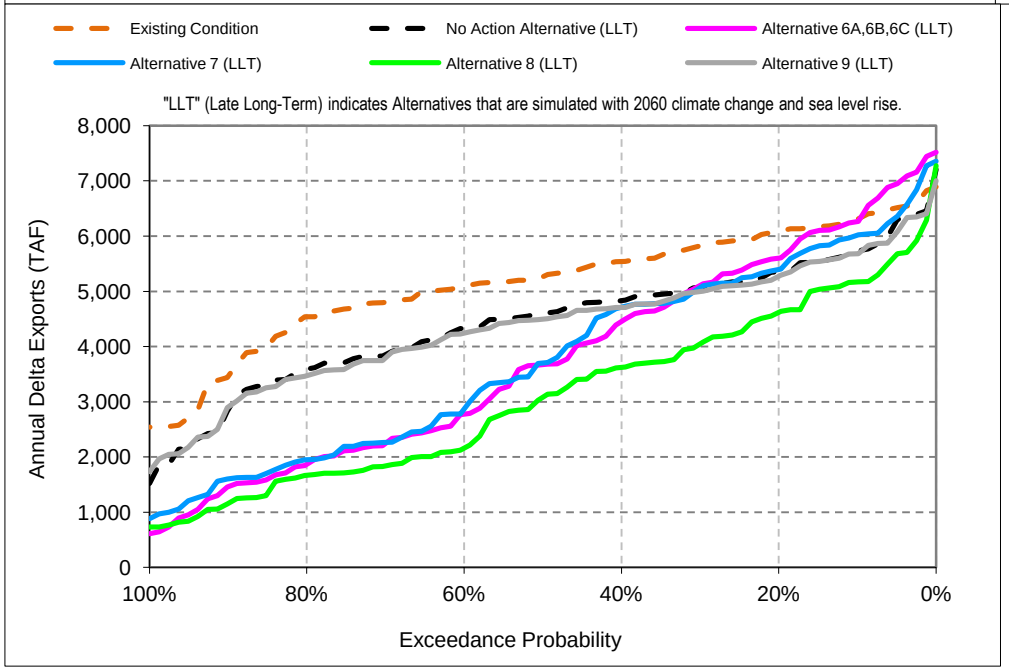
a Based on the 82-year simulation period

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

C.10. Total Delta Exports



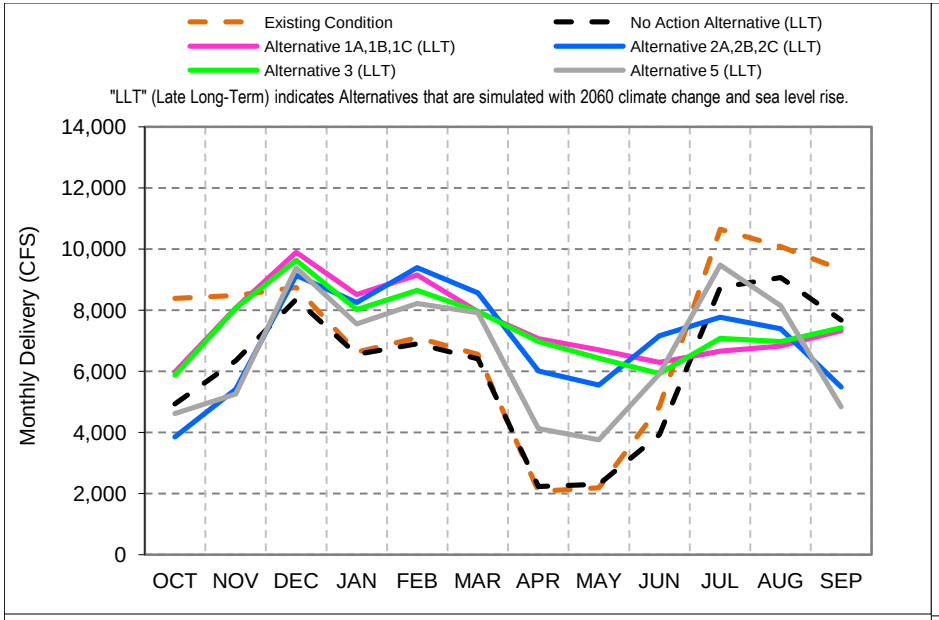


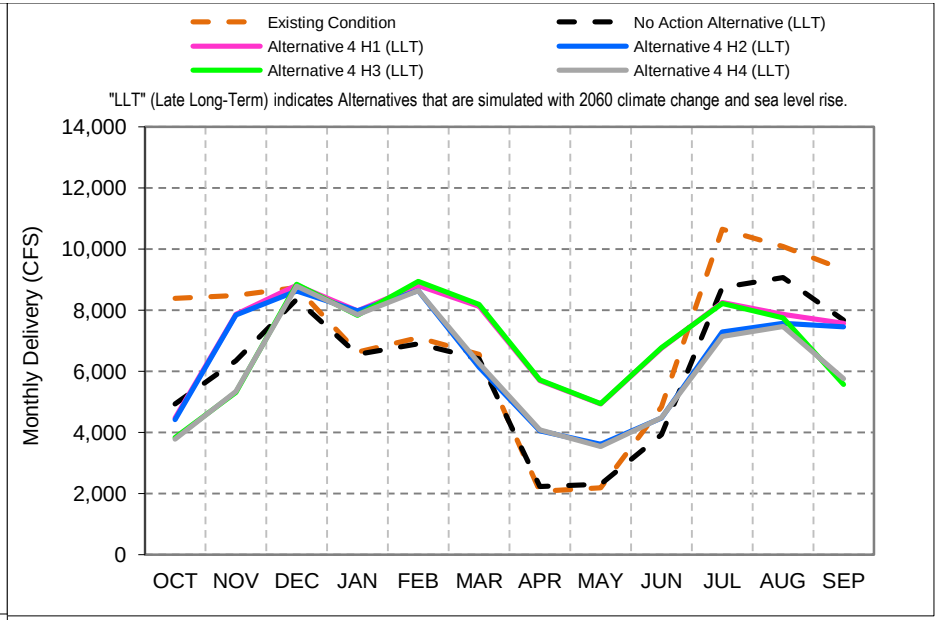


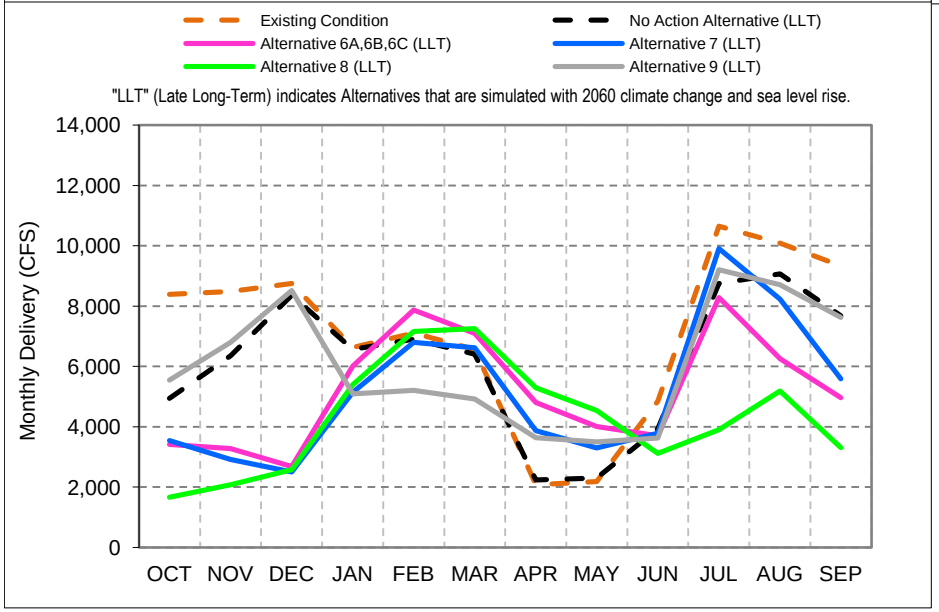
Alternative 4 Scenario Definitions:

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



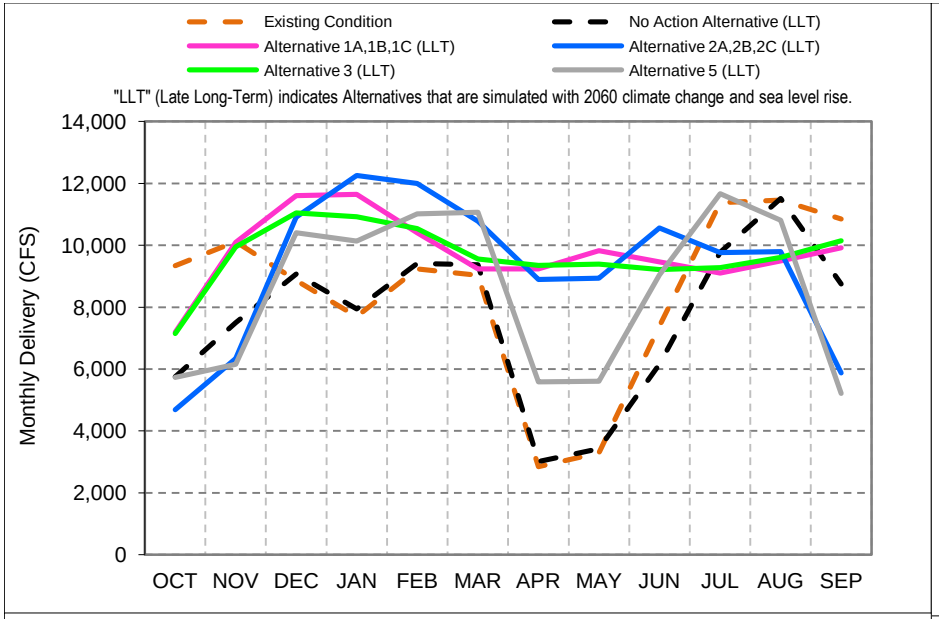


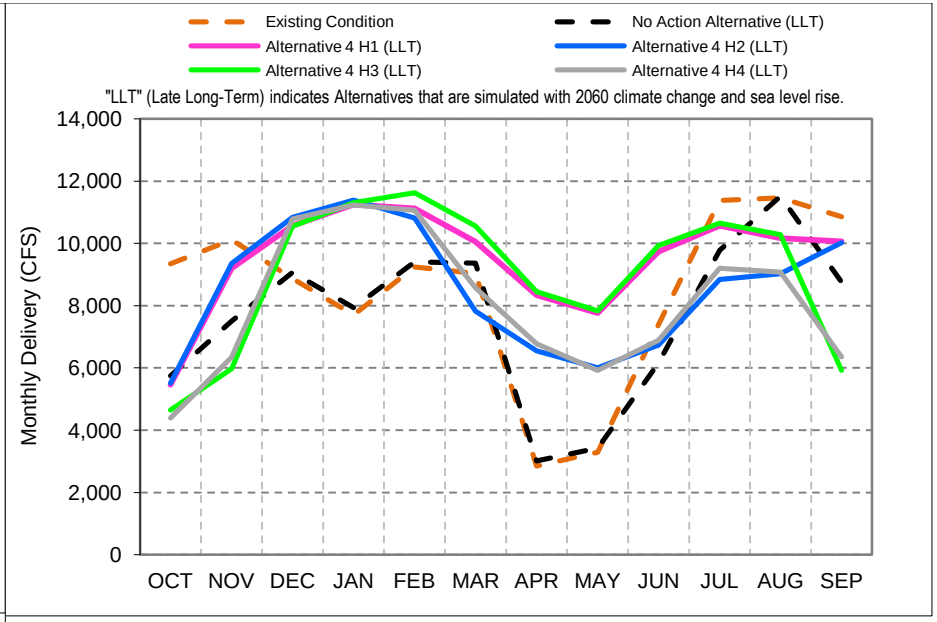


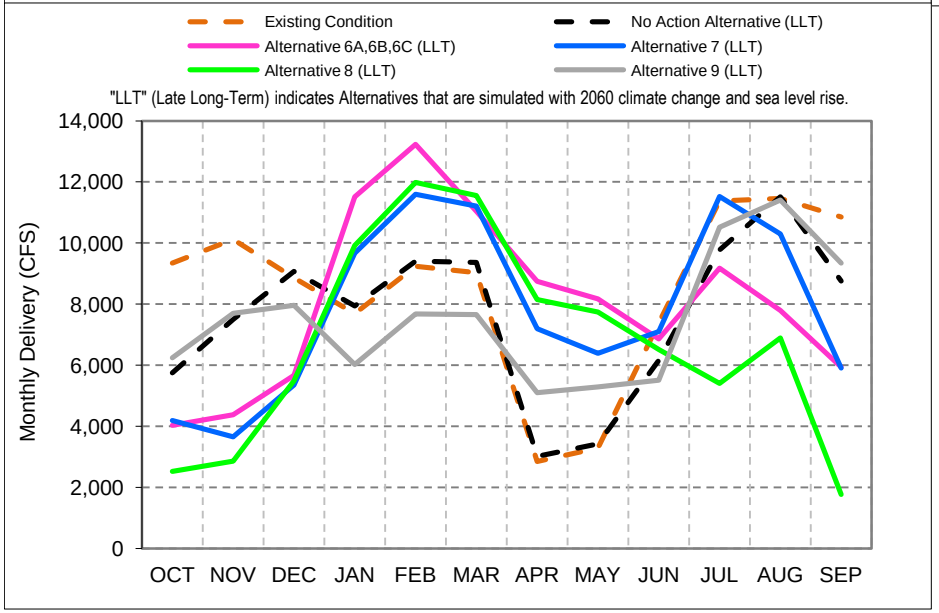
Alternative 4 Scenario Definitions:

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





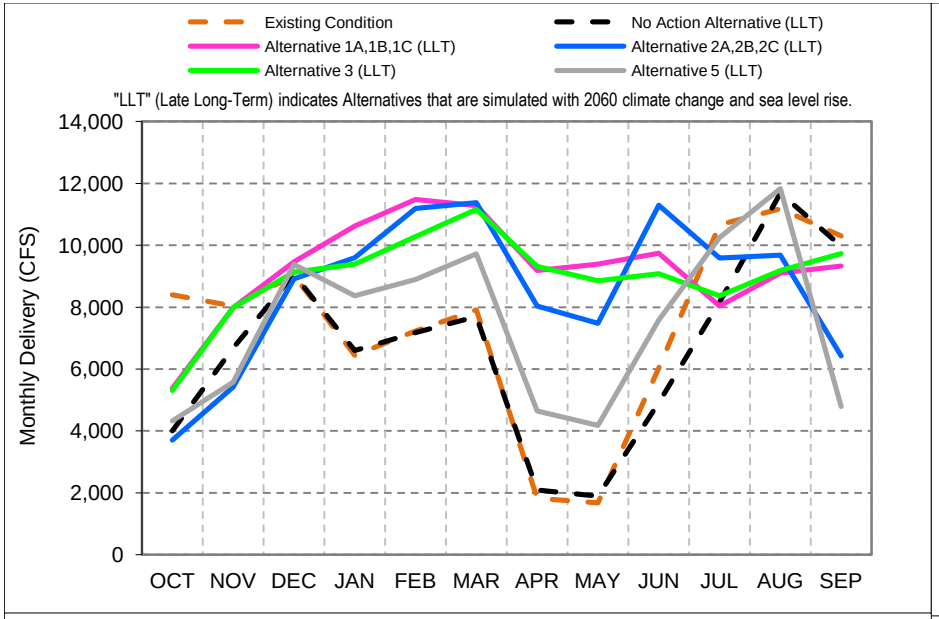


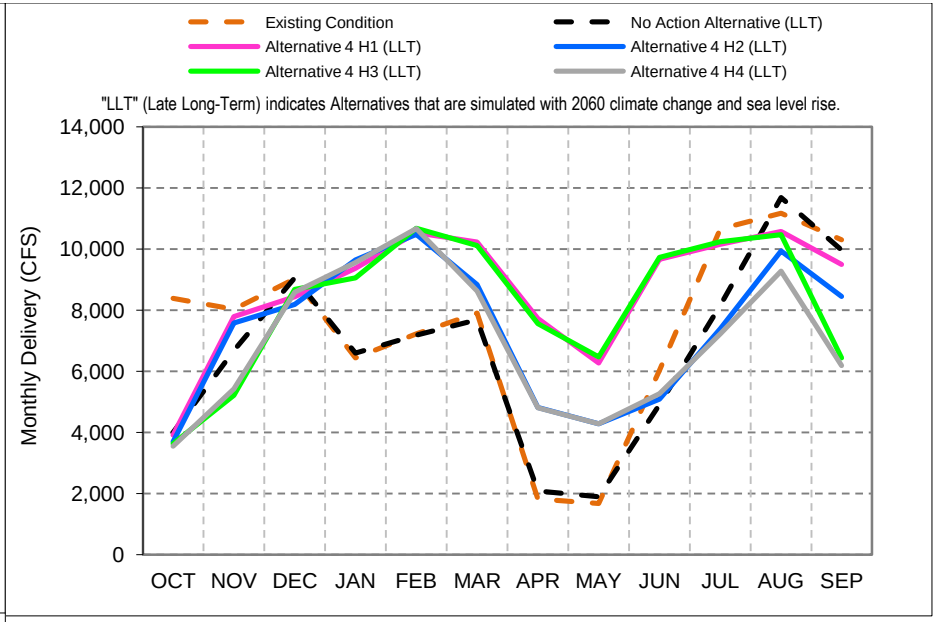
Alternative 4 Scenario Definitions:

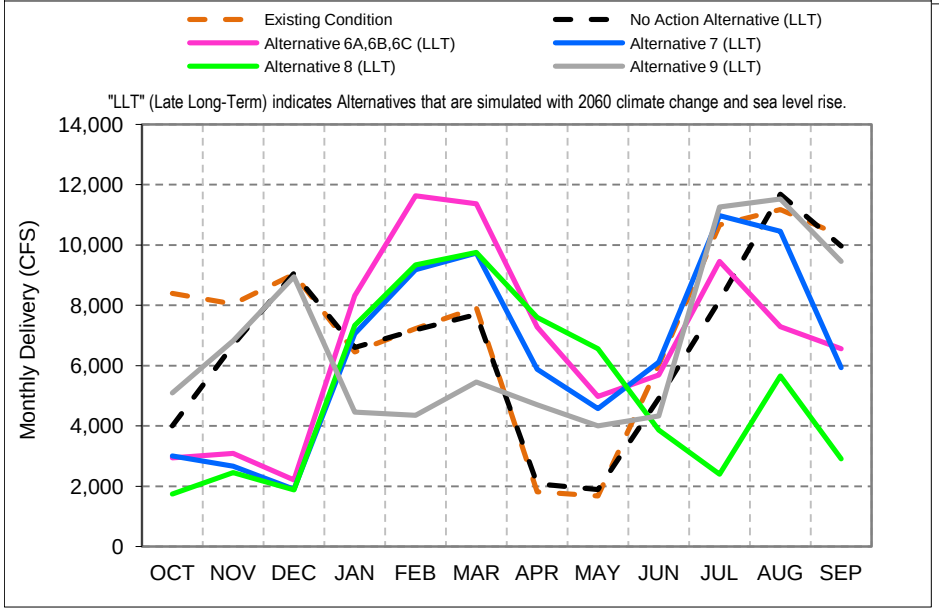
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*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





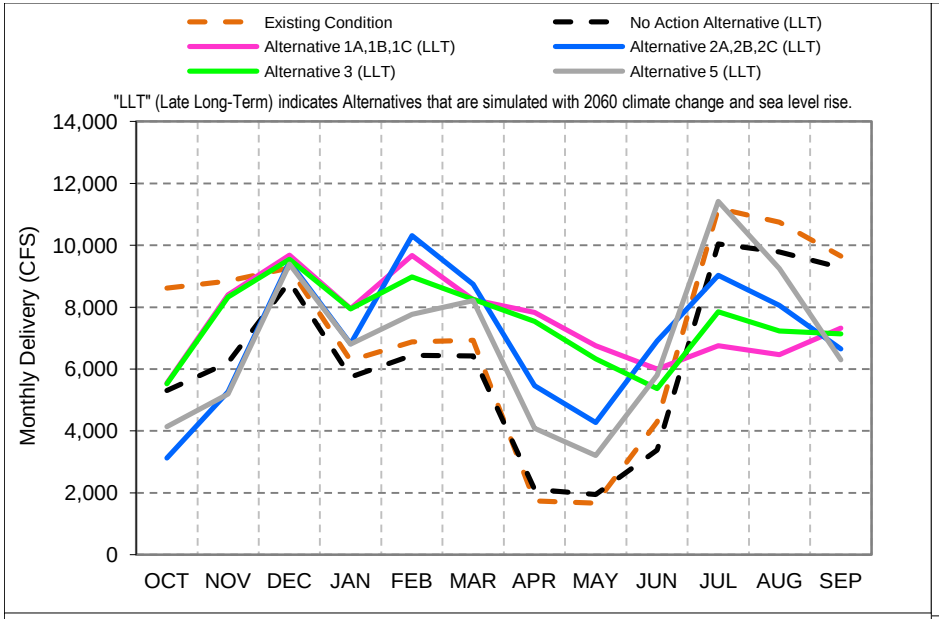


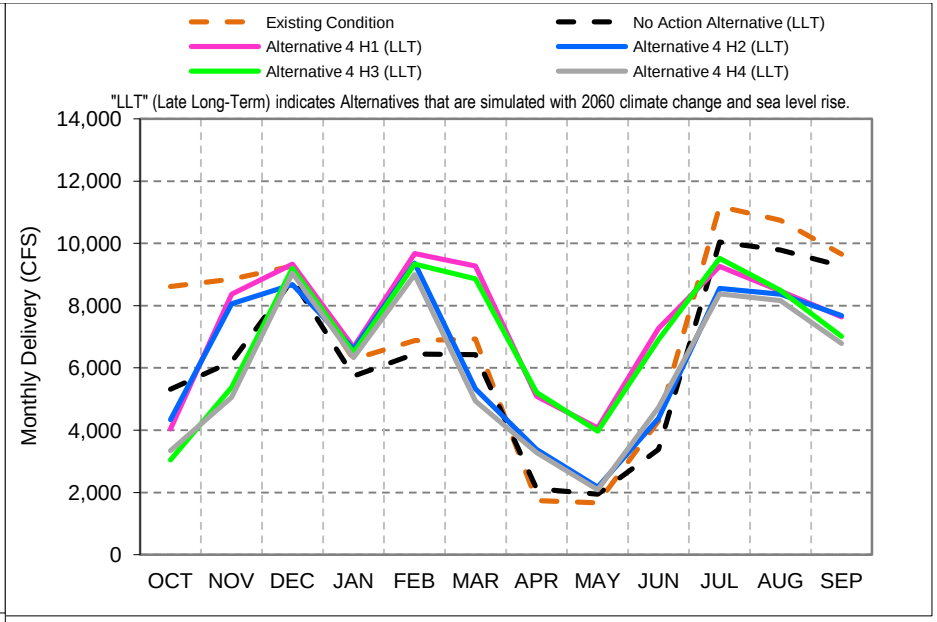
Alternative 4 Scenario Definitions:

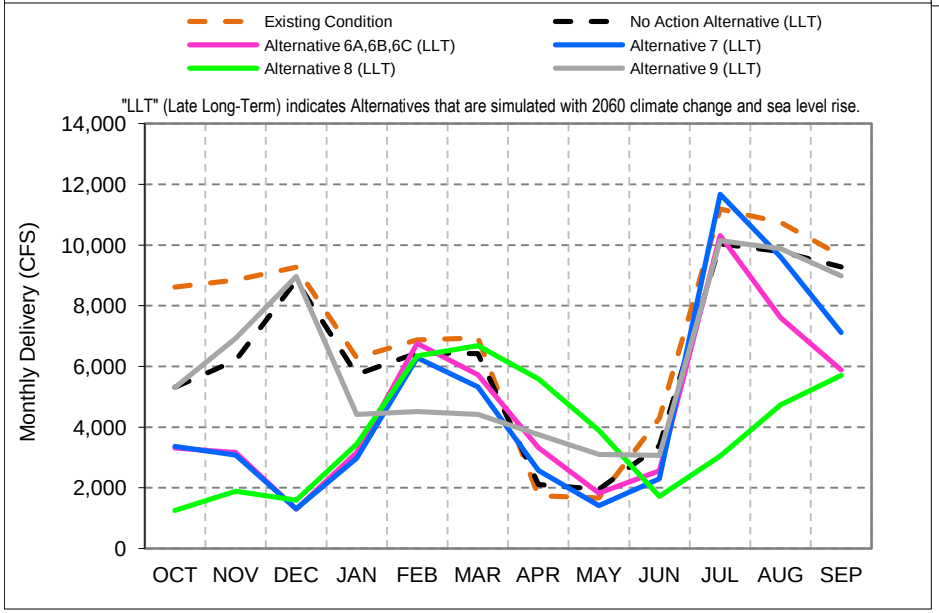
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*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





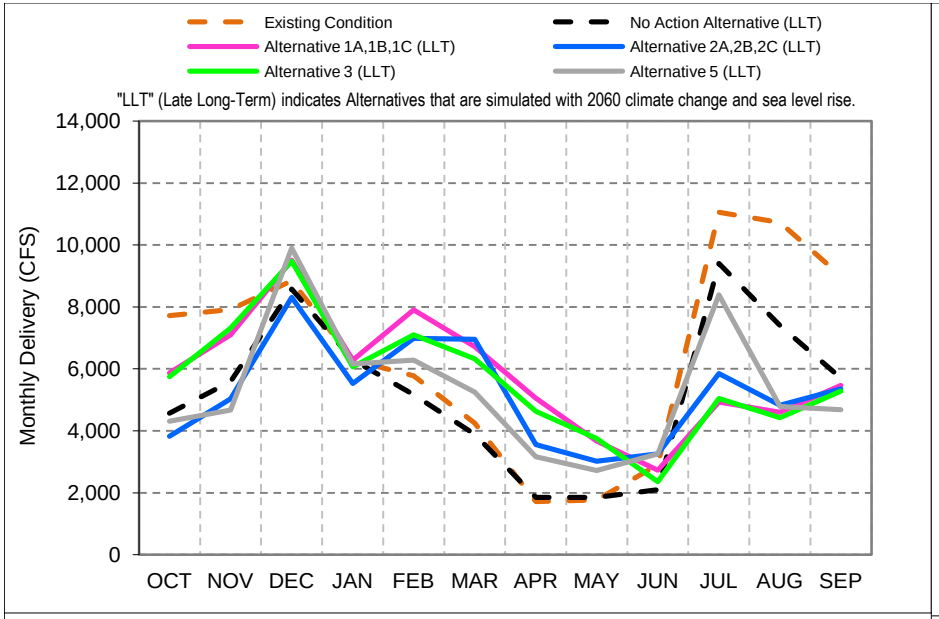


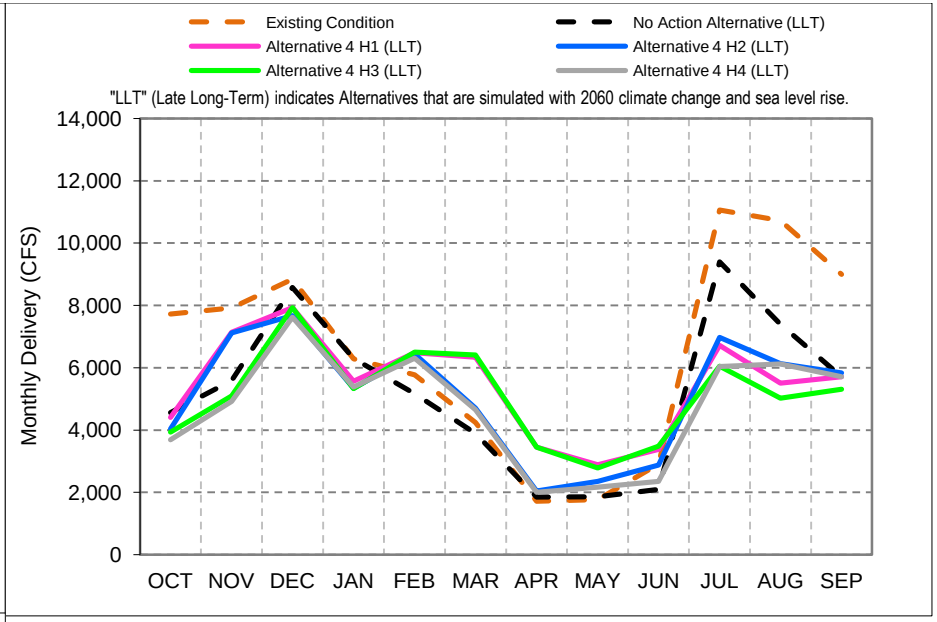
Alternative 4 Scenario Definitions:

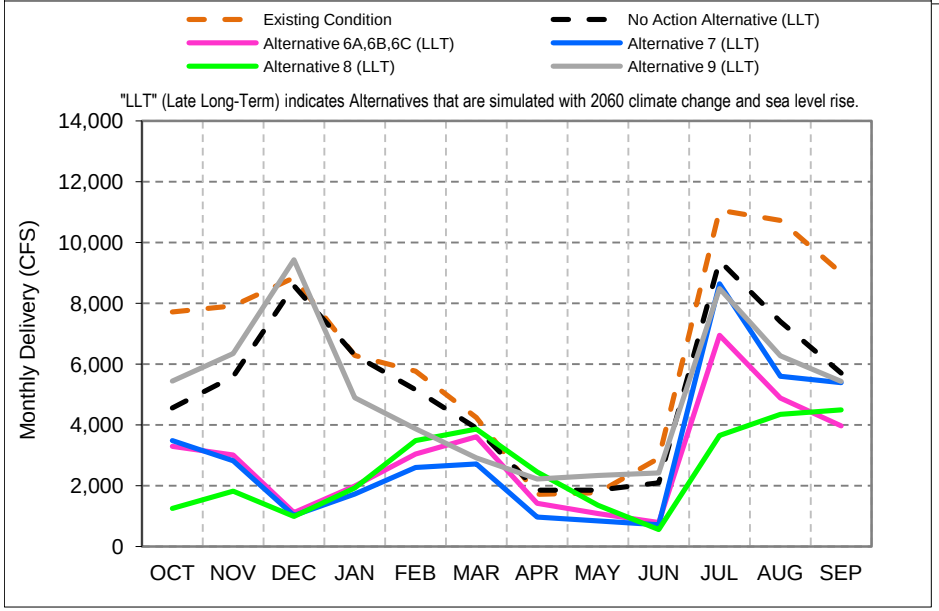
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*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





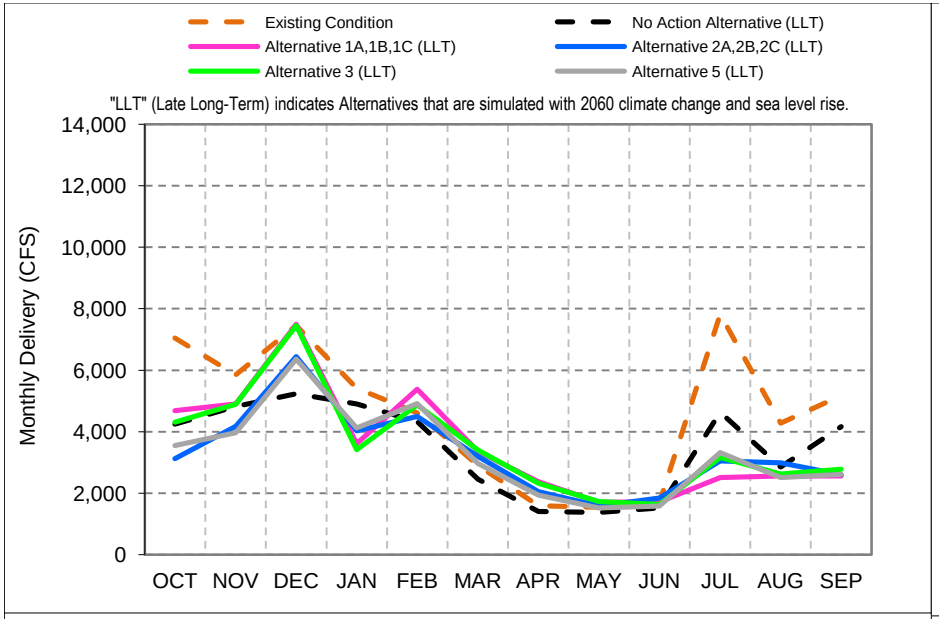


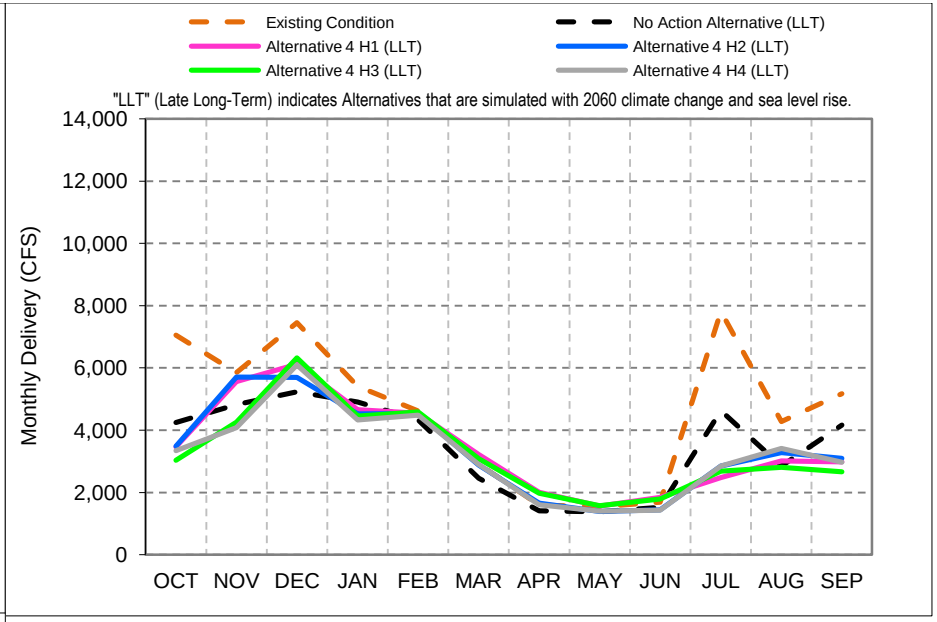
Alternative 4 Scenario Definitions:

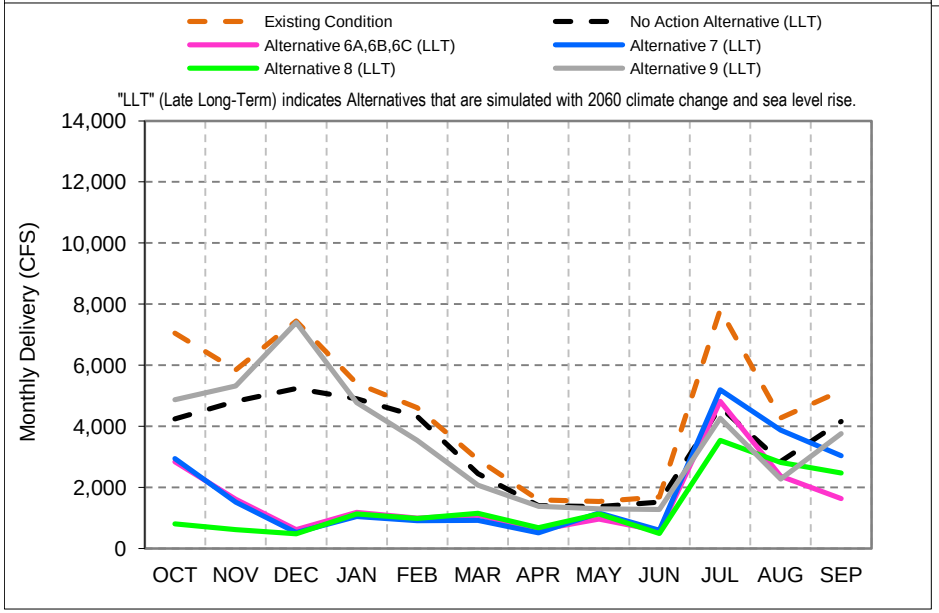
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*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





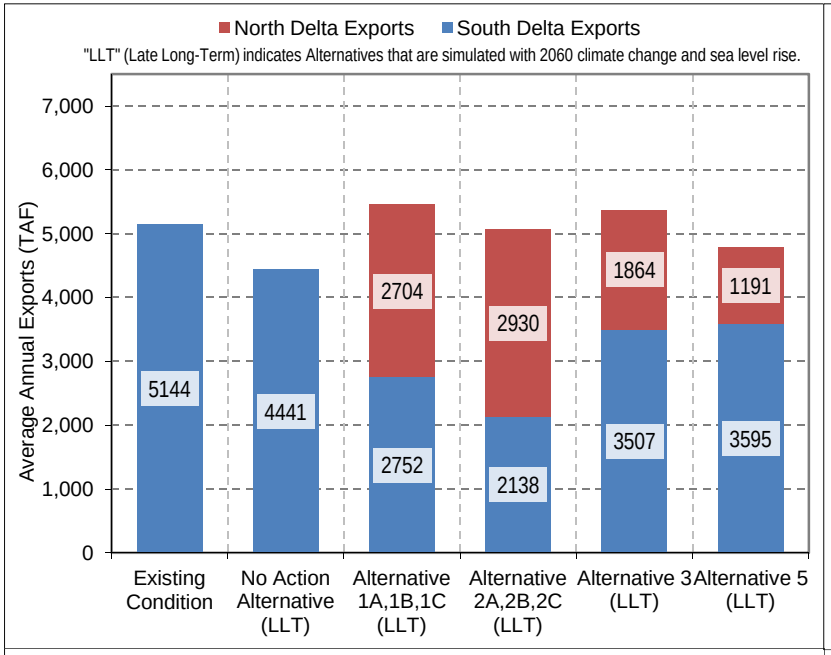


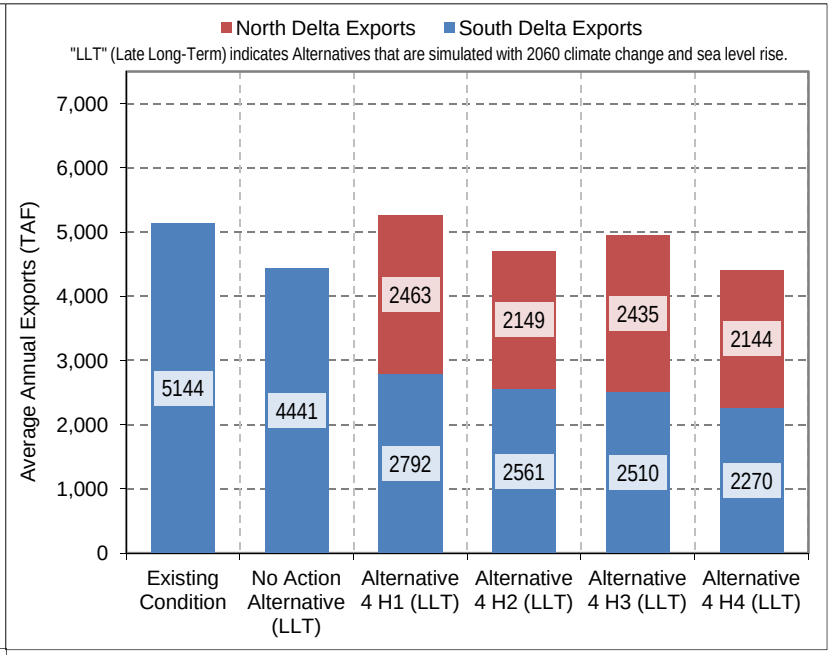
Alternative 4 Scenario Definitions:

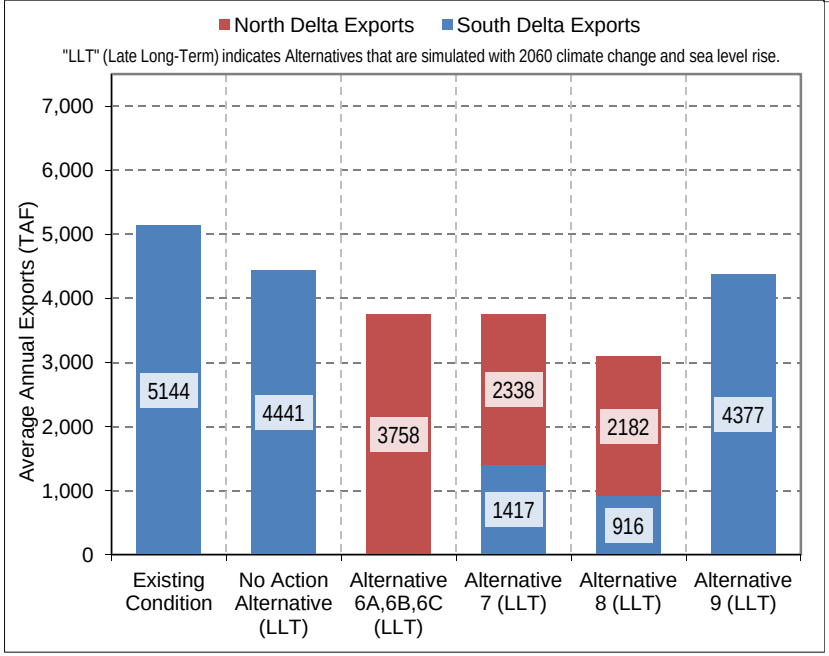
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*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:

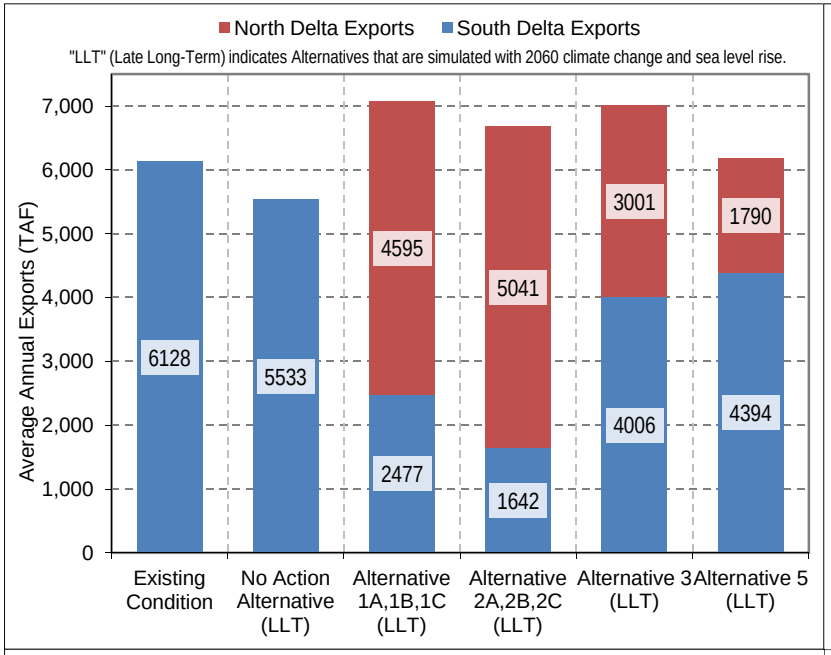
H1 - Low Delta Outflow Scenario

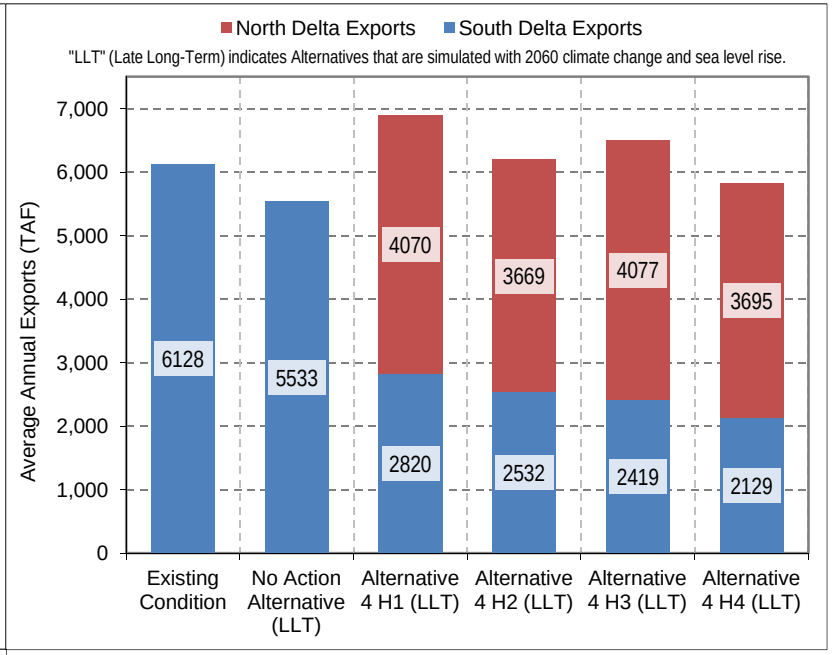
H2 - Enhanced Spring Delta Outflow Scenario

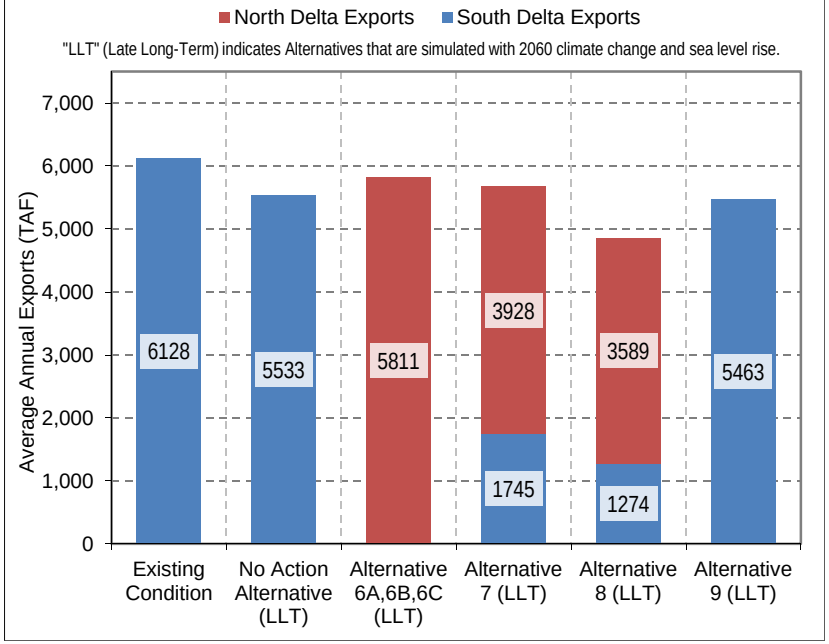
H3 - Fall X2 Scenario

H4 - High Delta Outflow Scenario

Figure C-10-8.North and South Delta Exports - Long-term Average







Alternative 4 Scenario Definitions:

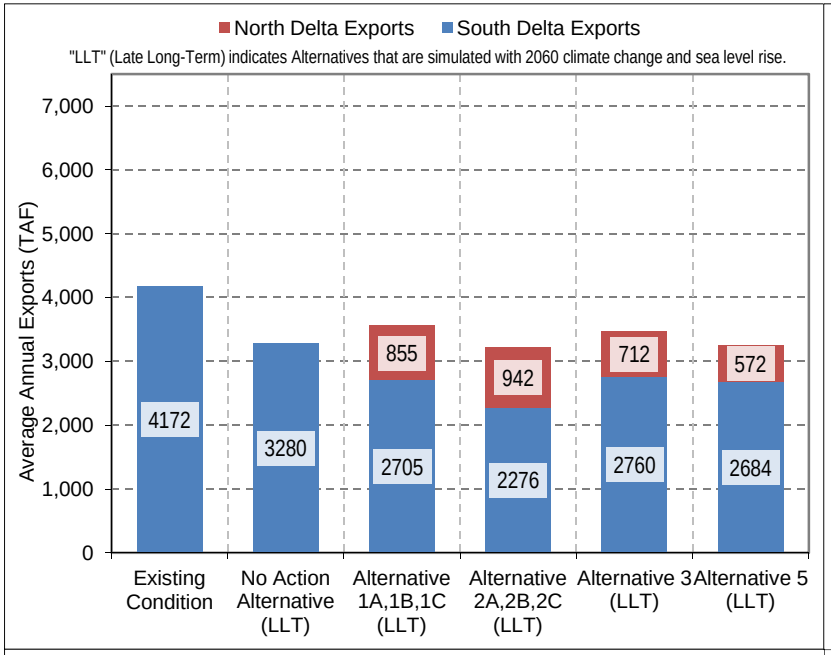
H1 - Low Delta Outflow Scenario

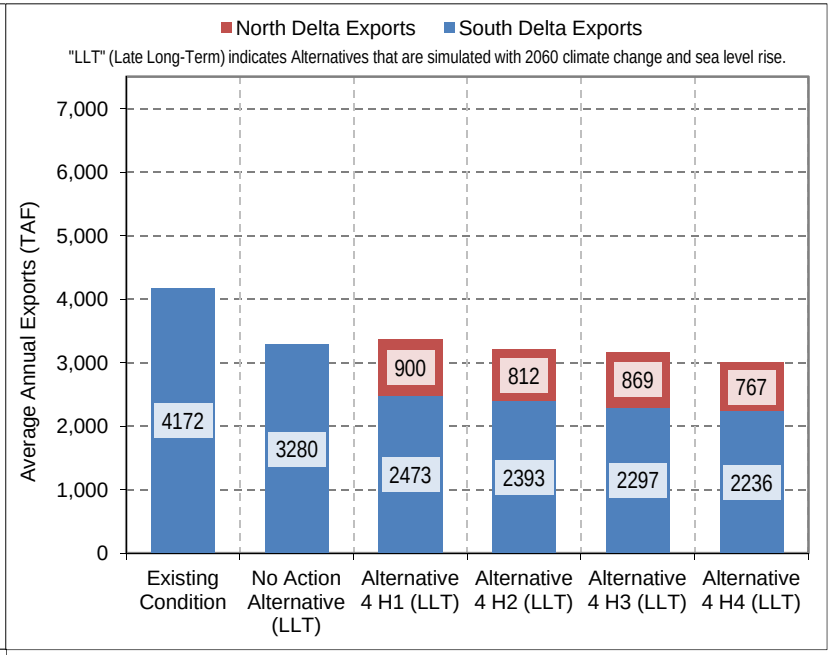
H2 - Enhanced Spring Delta Outflow Scenario

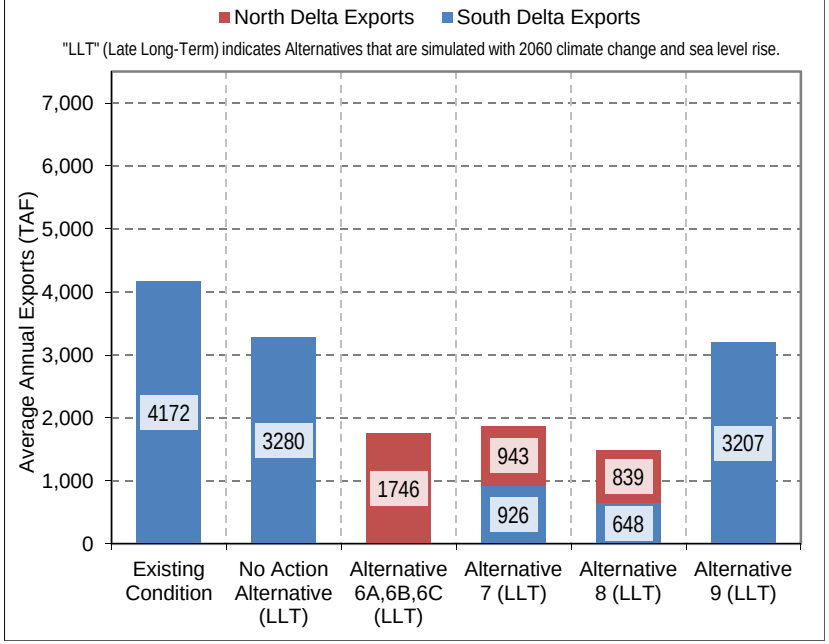
H3 - Fall X2 Scenario

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)

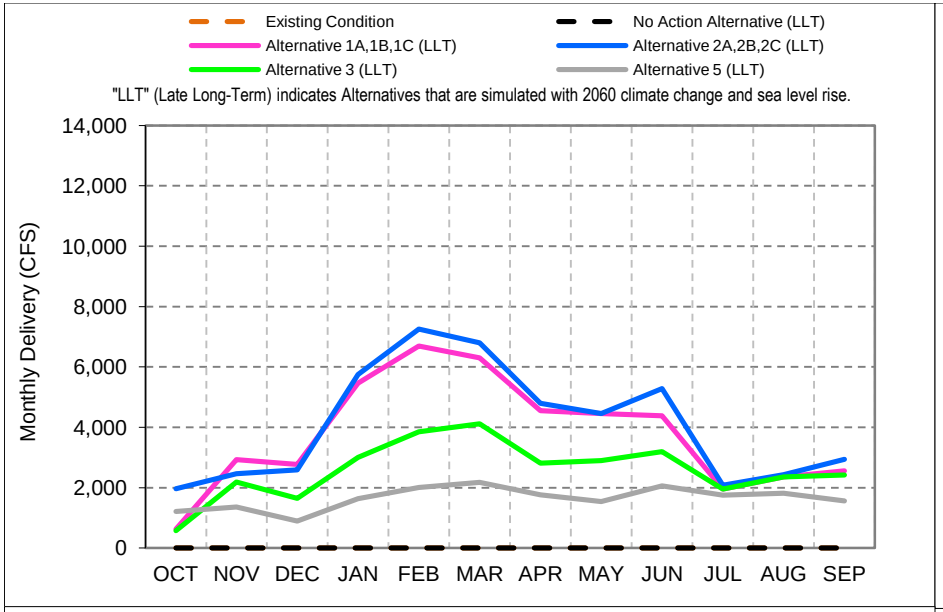
	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	122	0	-26	-251	-14	15	84	100	-69	0	0	0	-48
20%	46	124	21	-159	-206	-242	151	157	-37	11	0	-6	-77
30%	21	25	36	-110	-184	-195	165	144	-5	42	5	43	-79
40%	11	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

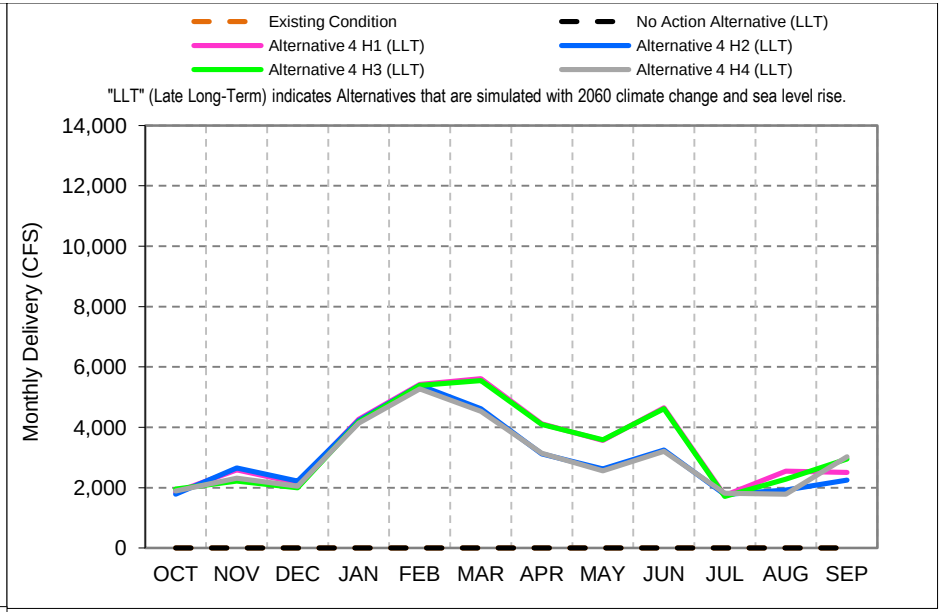
a Based on the 82-year simulation period

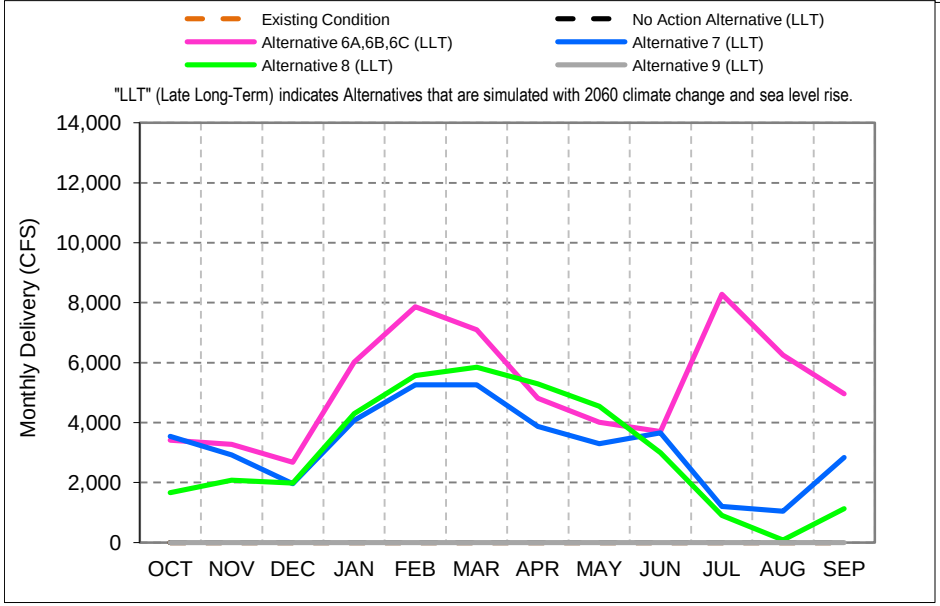
b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

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

C.11. Isolated Facility Exports



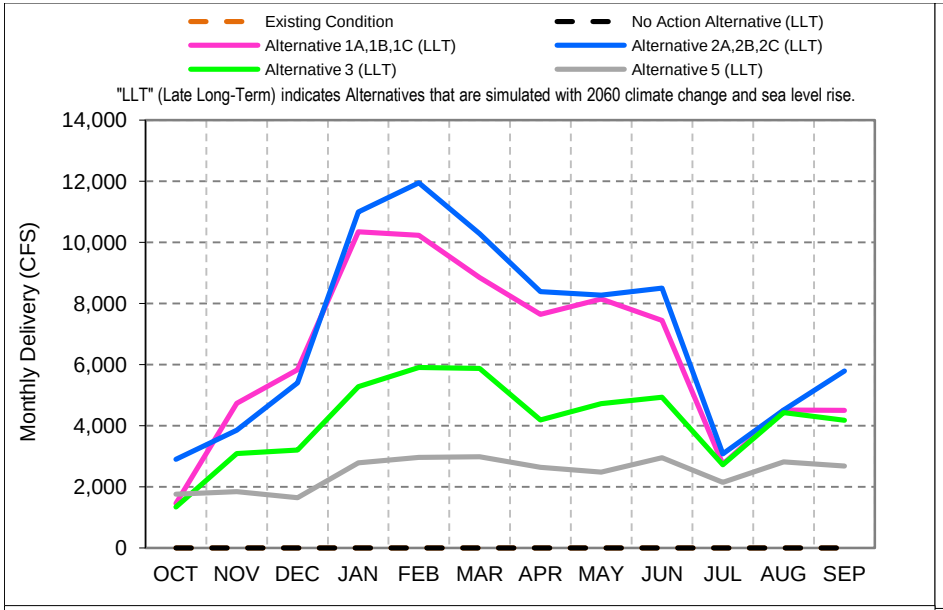


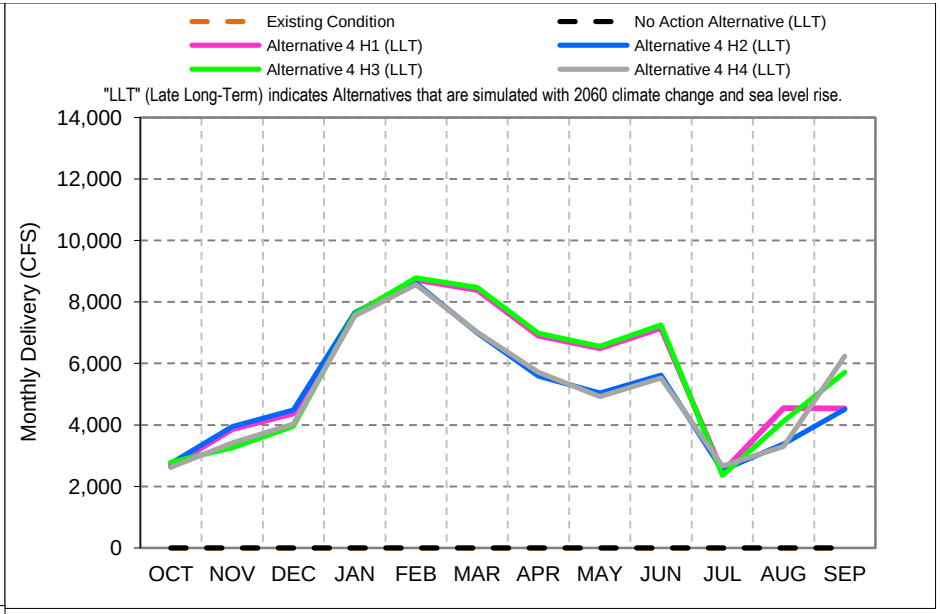


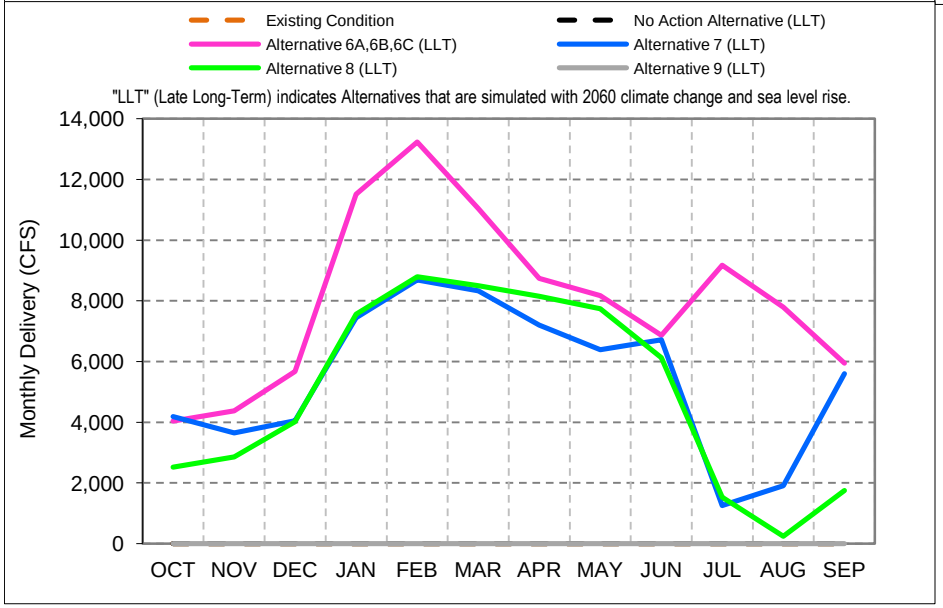
Alternative 4 Scenario Definitions:

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





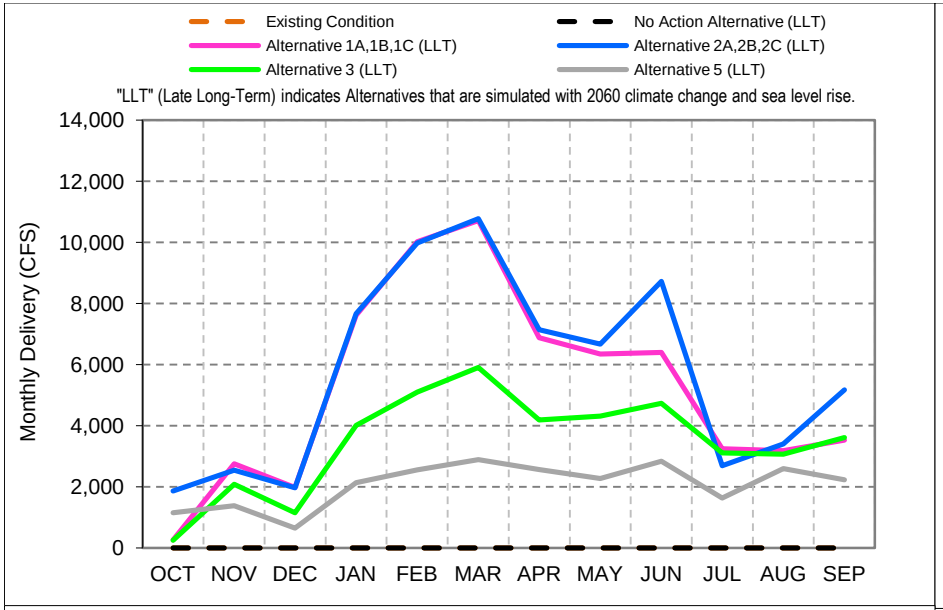


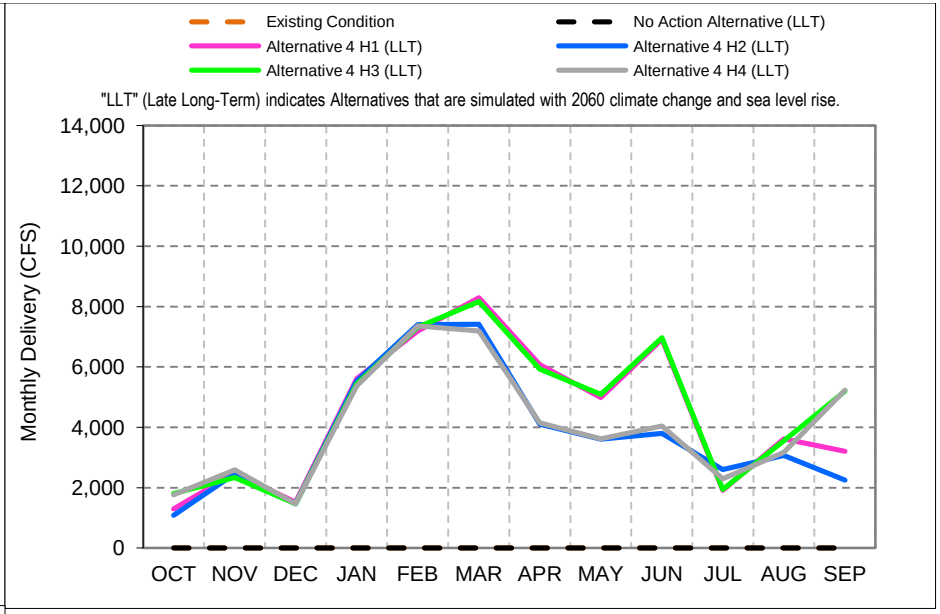
Alternative 4 Scenario Definitions:

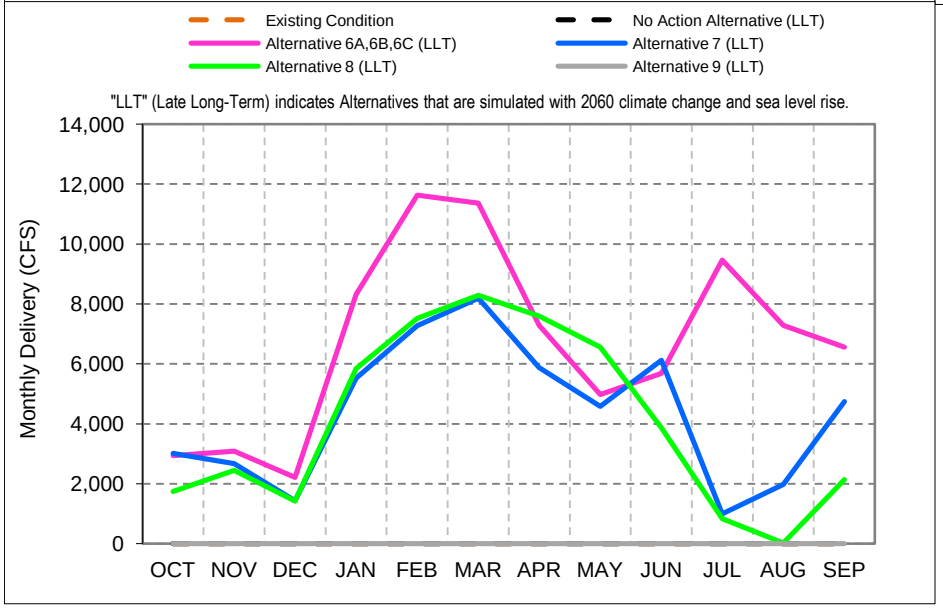
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*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





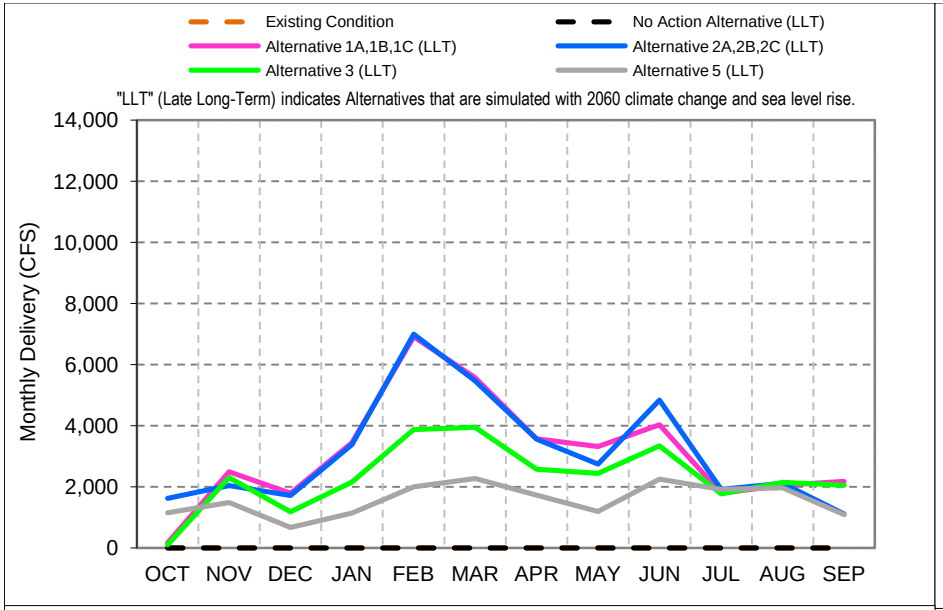


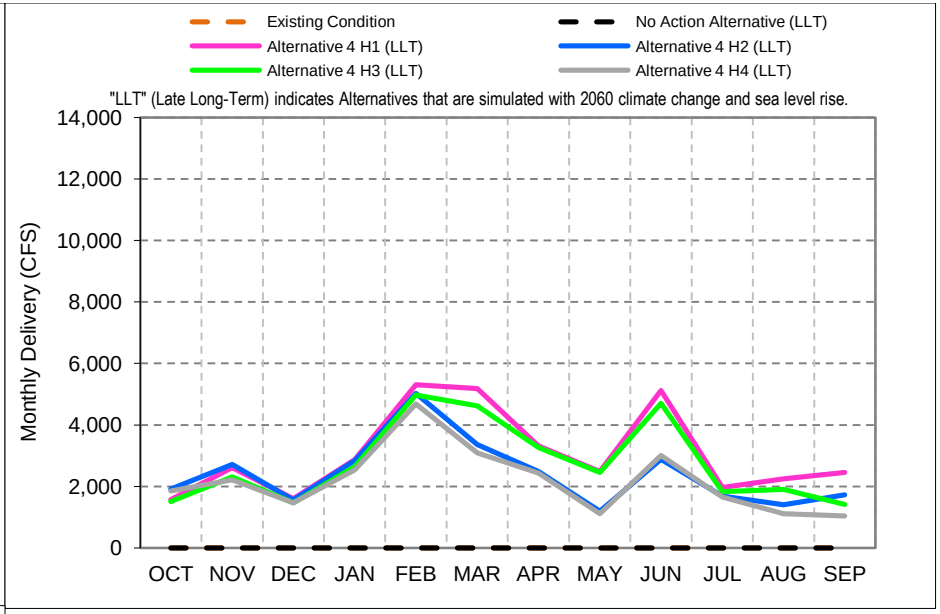
Alternative 4 Scenario Definitions:

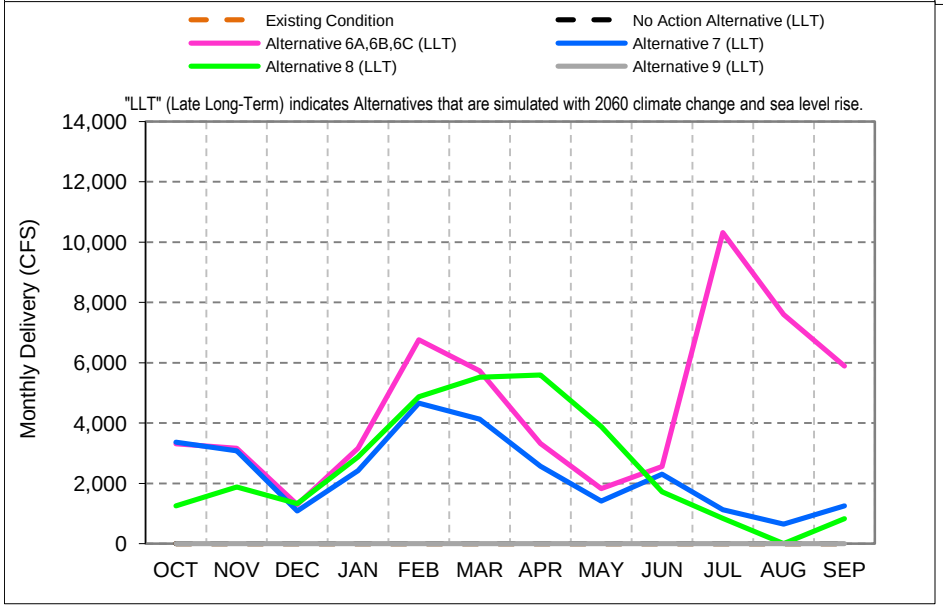
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*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





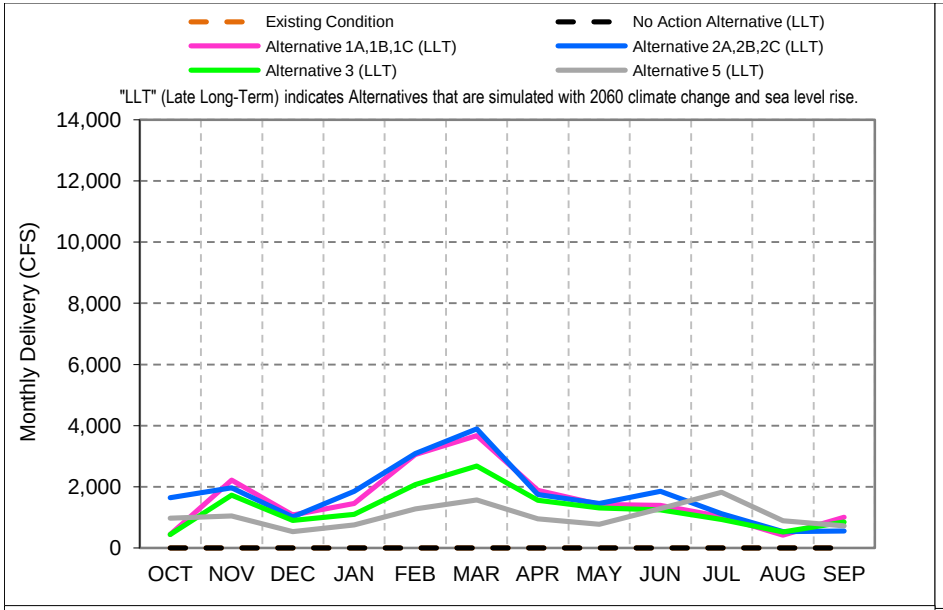


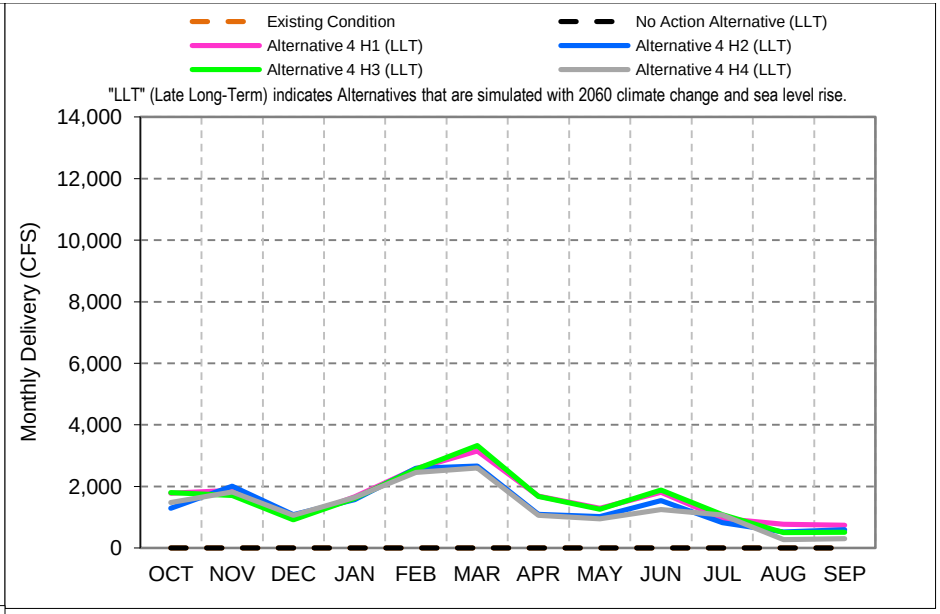
Alternative 4 Scenario Definitions:

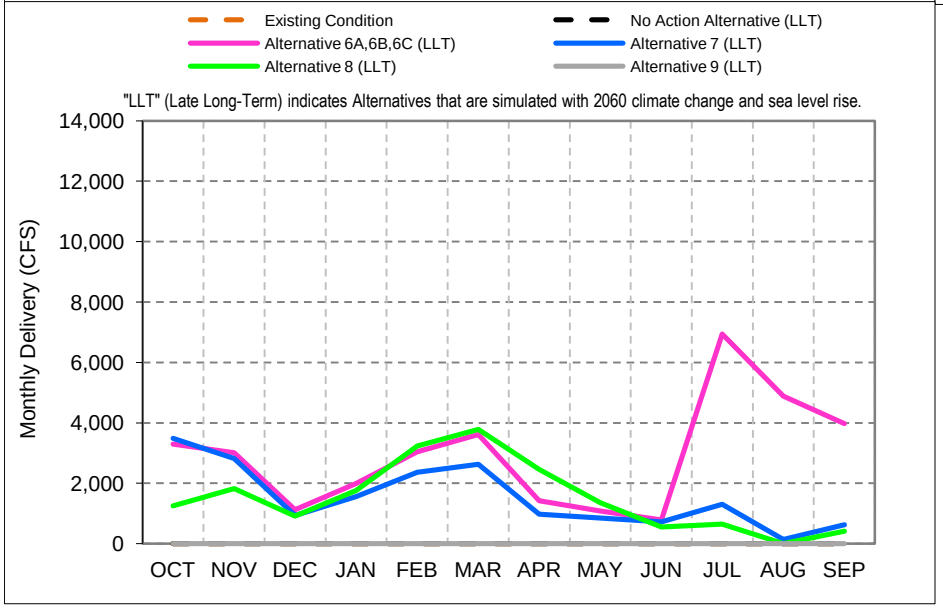
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*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





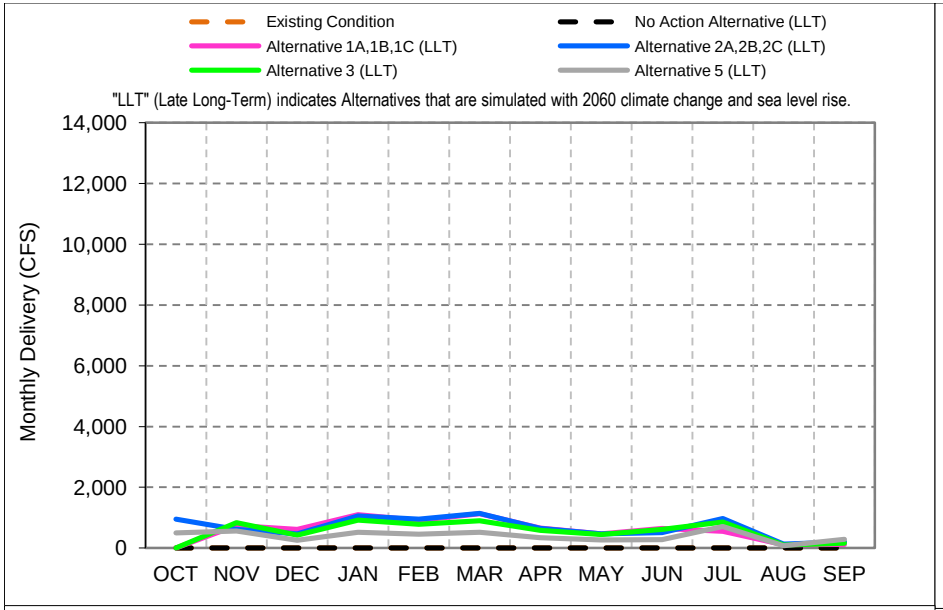


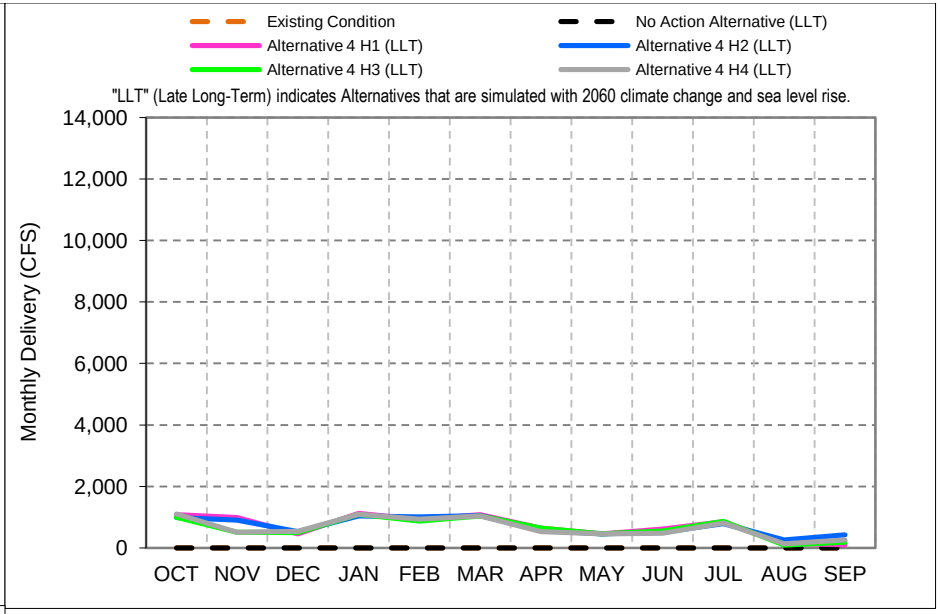
Alternative 4 Scenario Definitions:

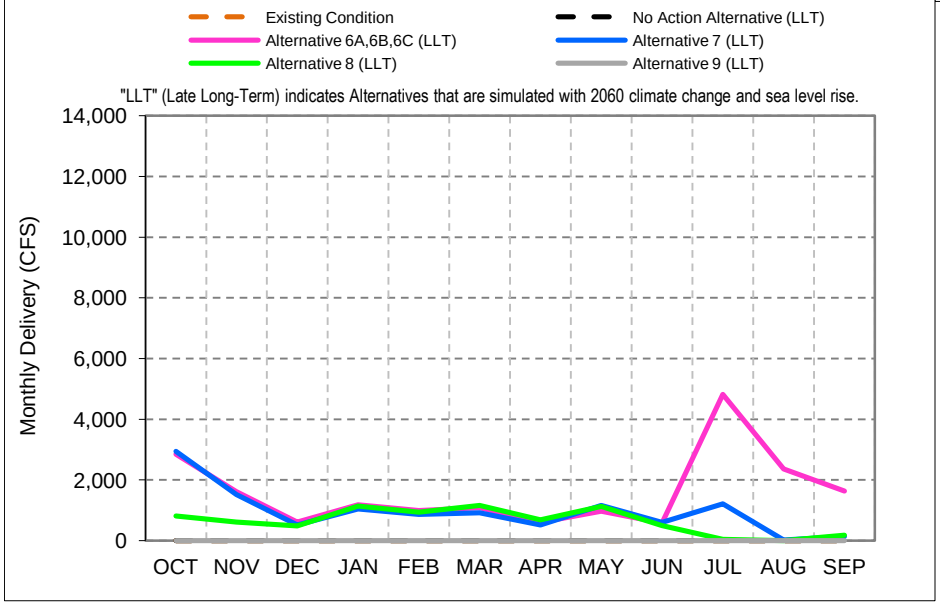
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*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)

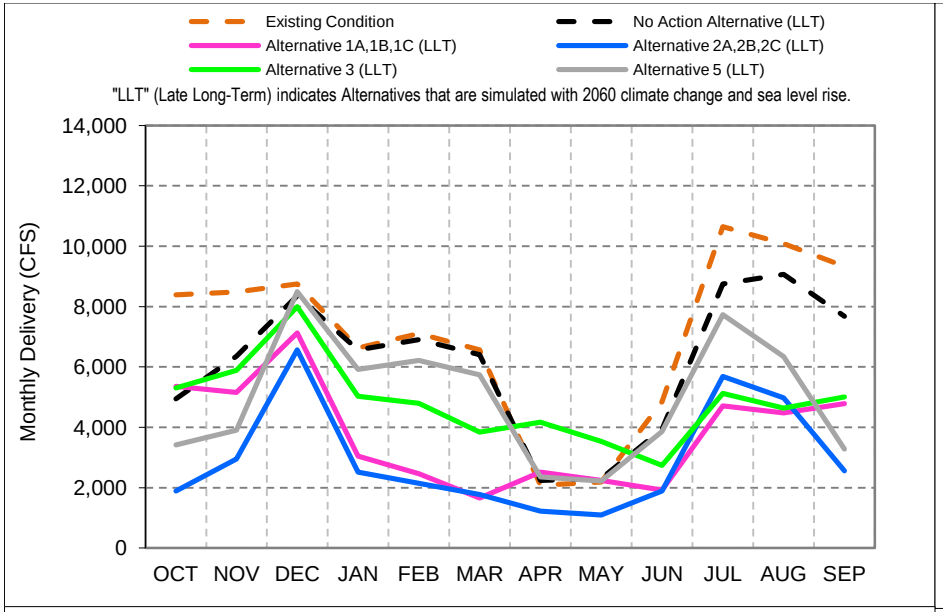
	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	0	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	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

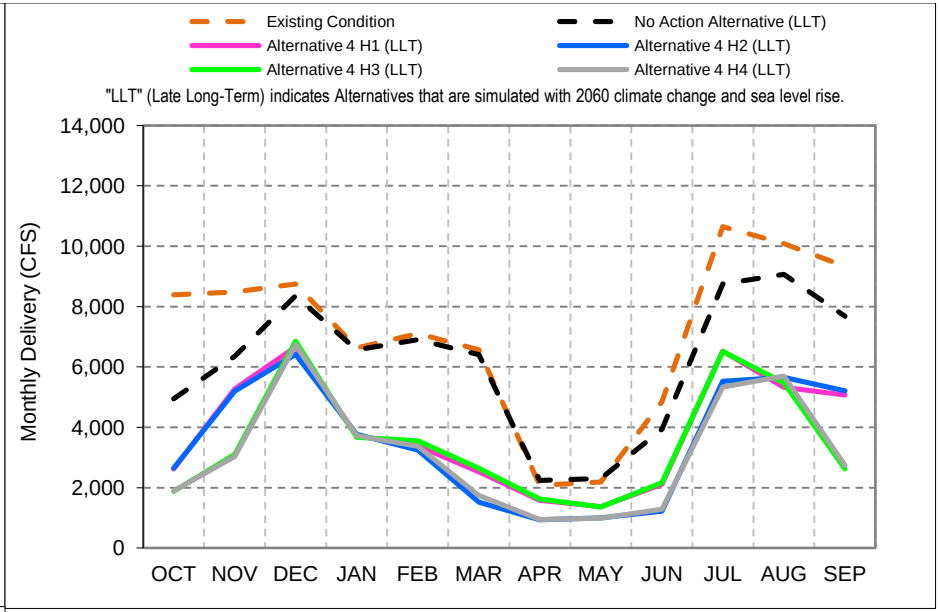
a Based on the 82-year simulation period

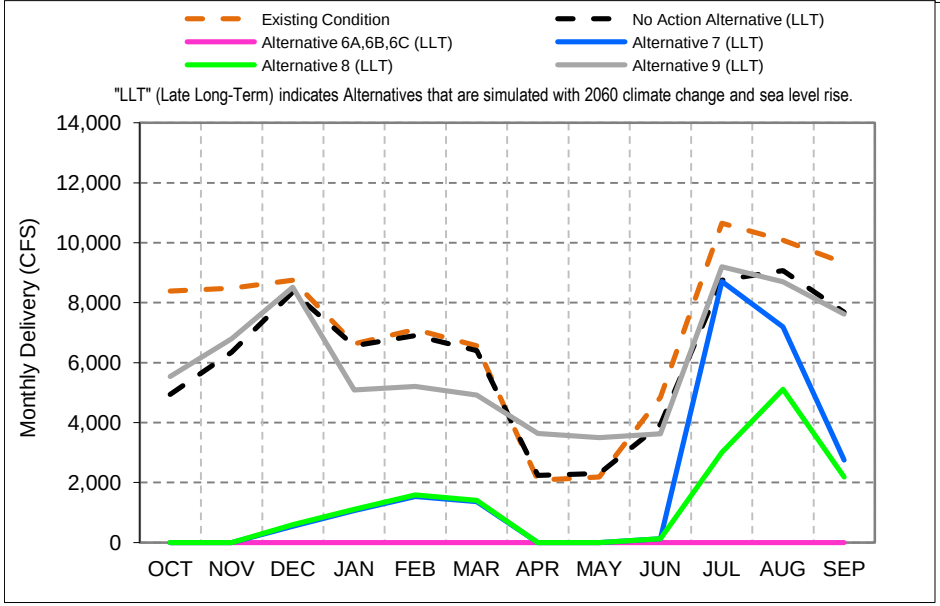
b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

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



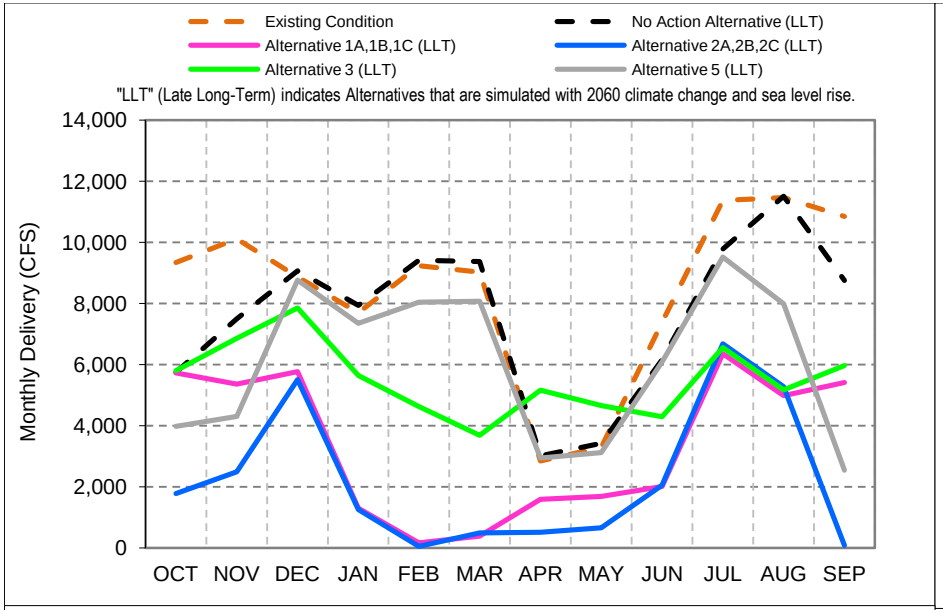


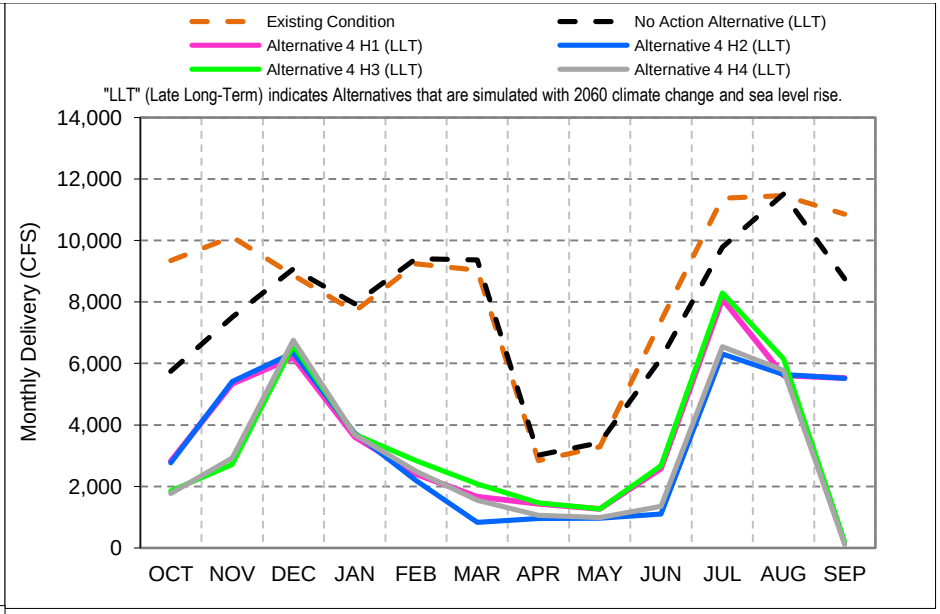


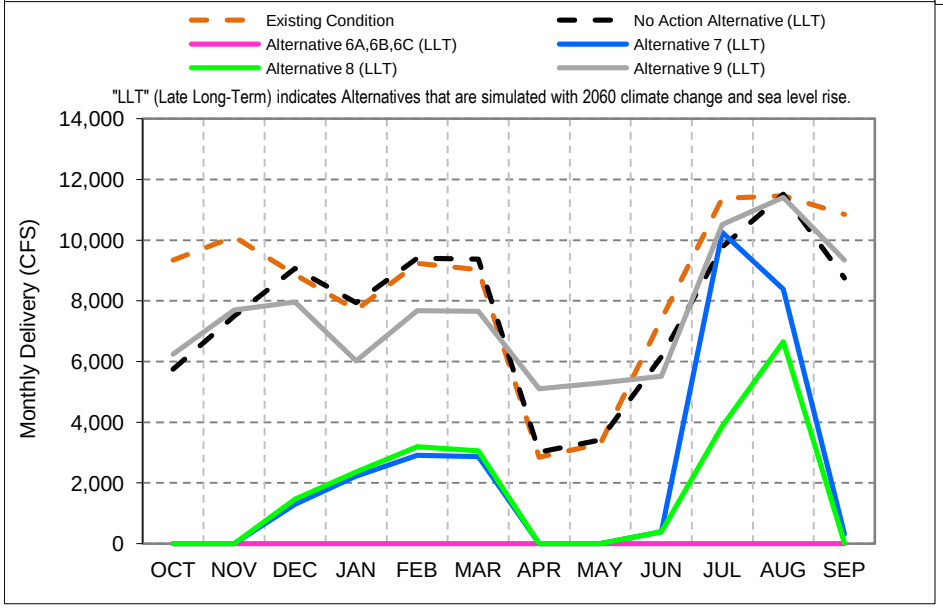
Alternative 4 Scenario Definitions:

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





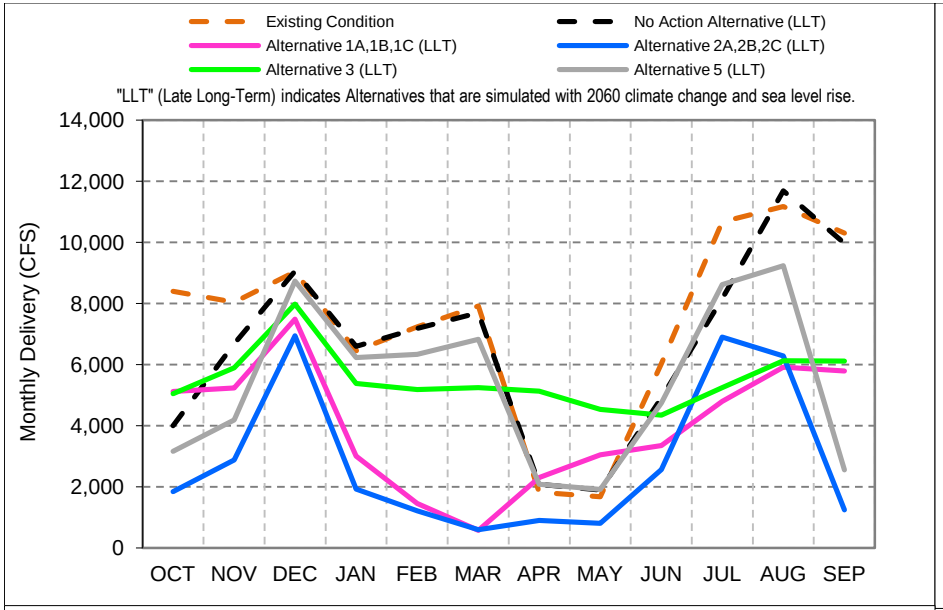


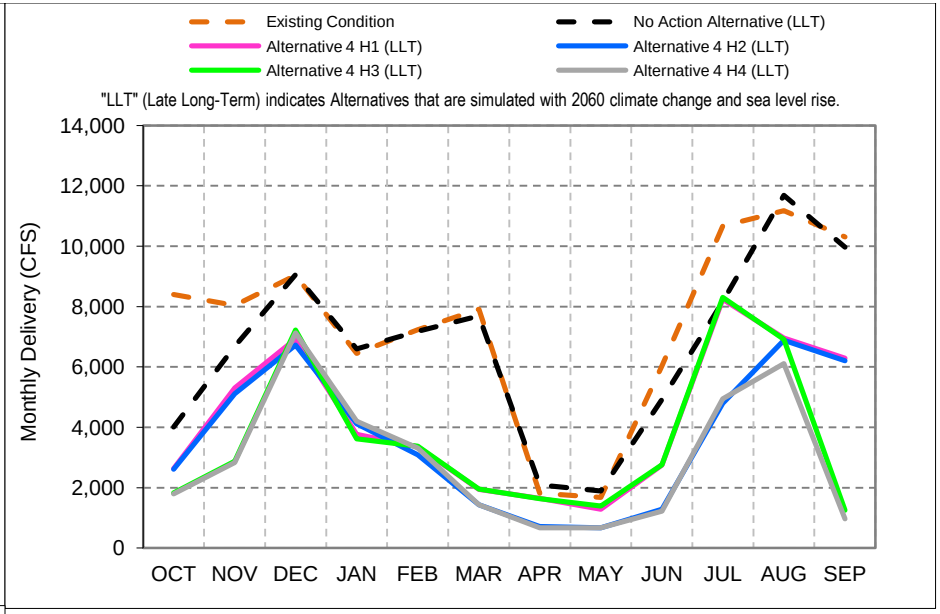
Alternative 4 Scenario Definitions:

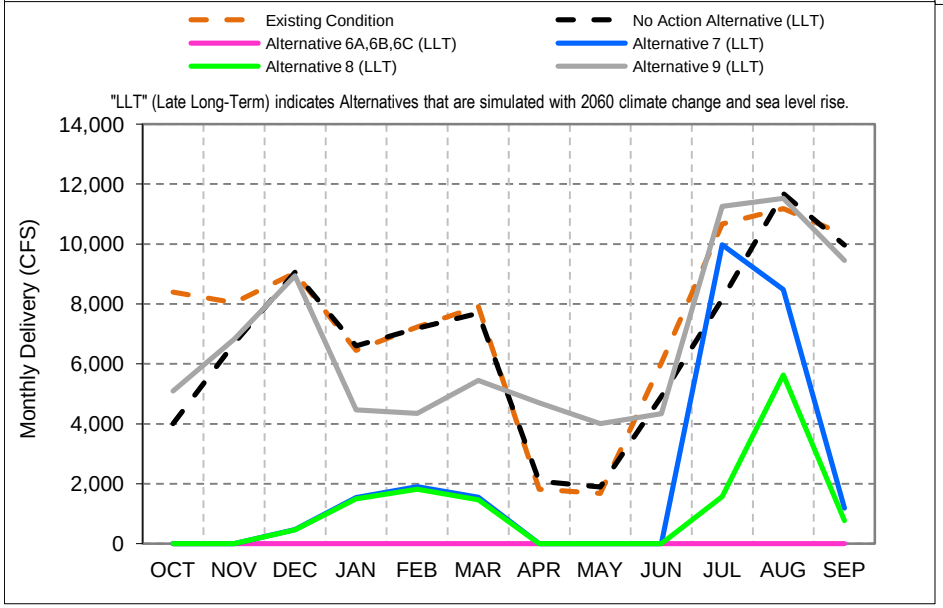
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*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





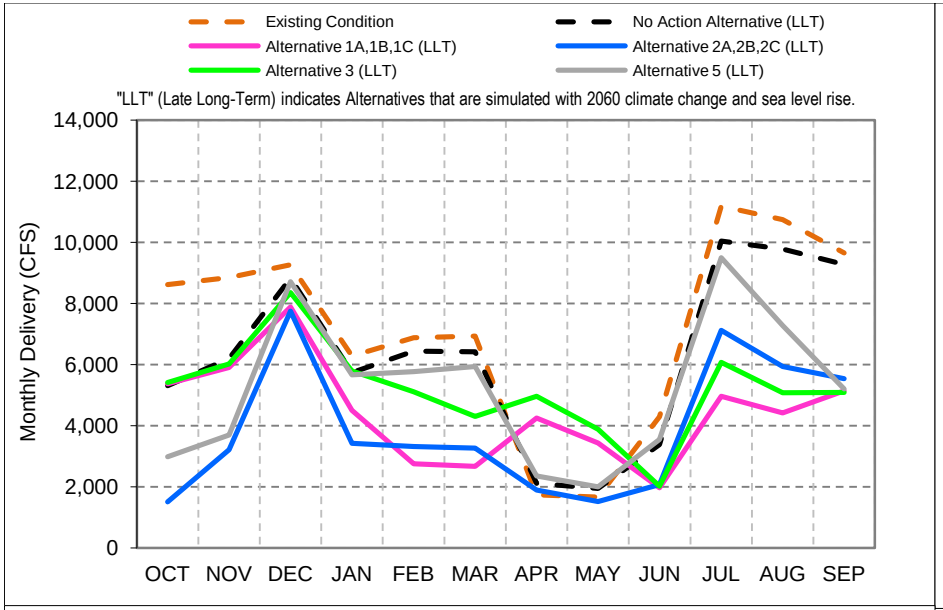


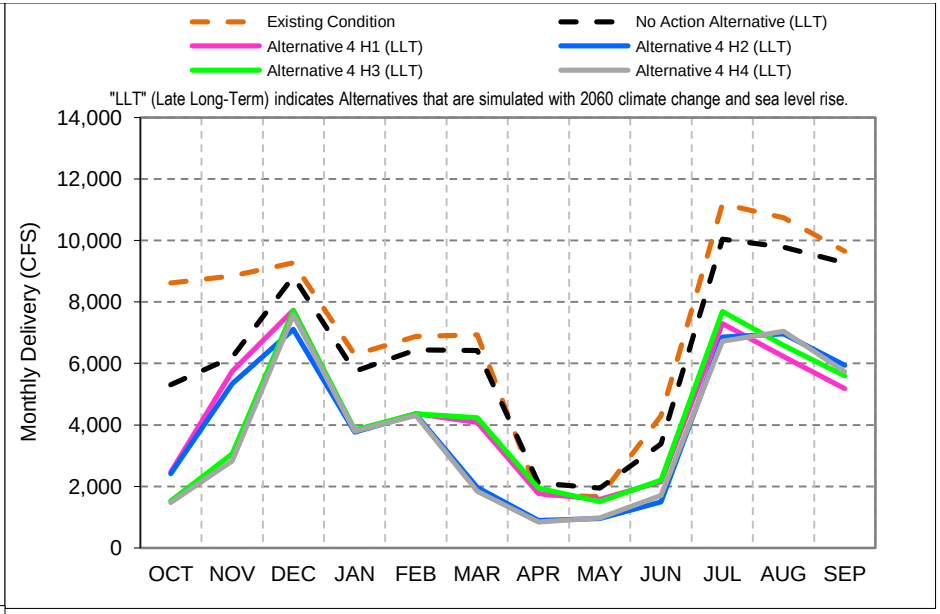
Alternative 4 Scenario Definitions:

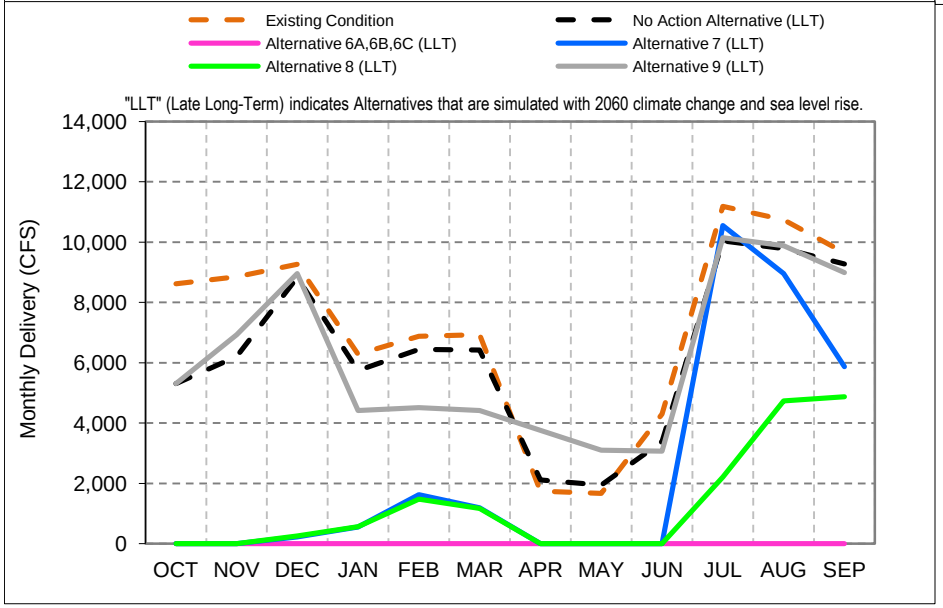
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*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





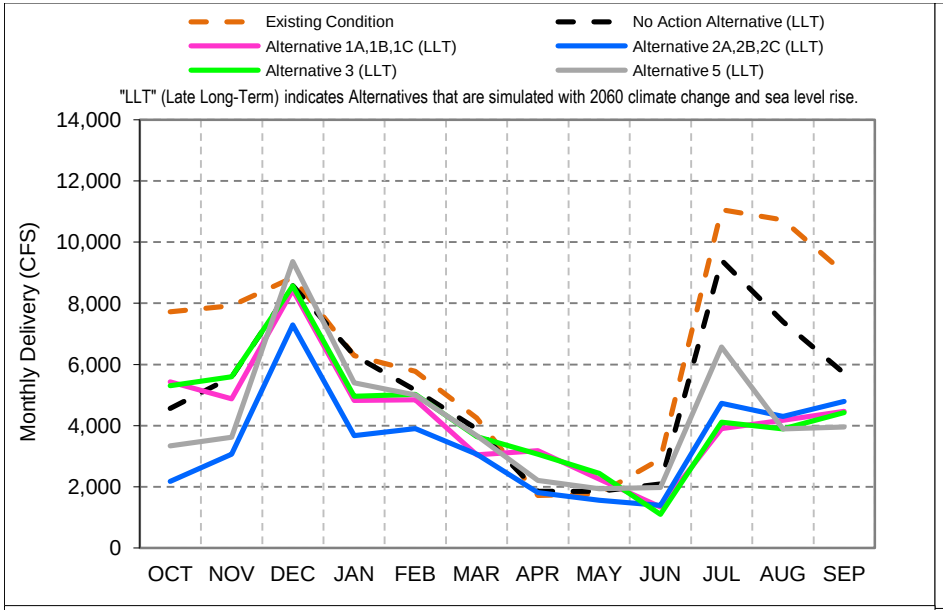


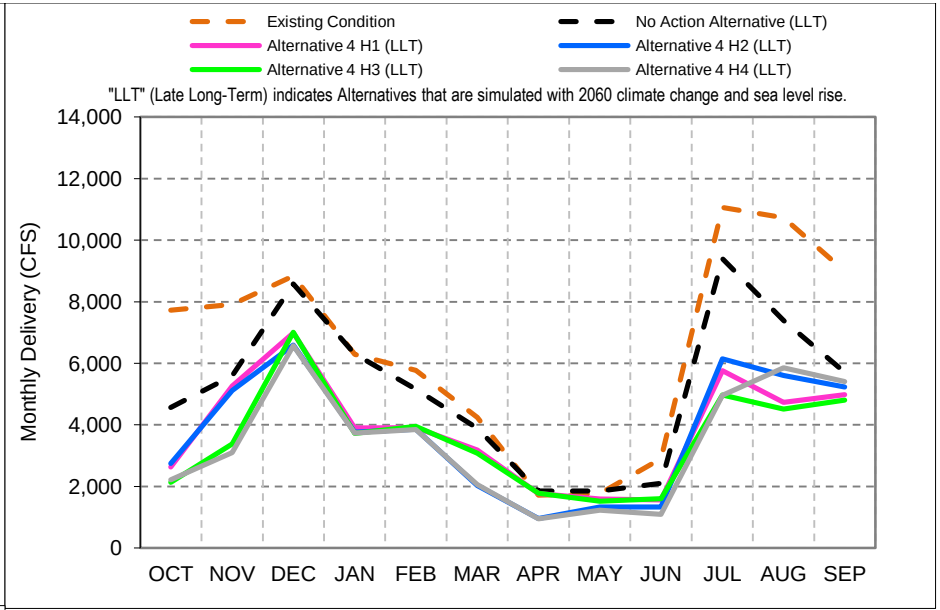
Alternative 4 Scenario Definitions:

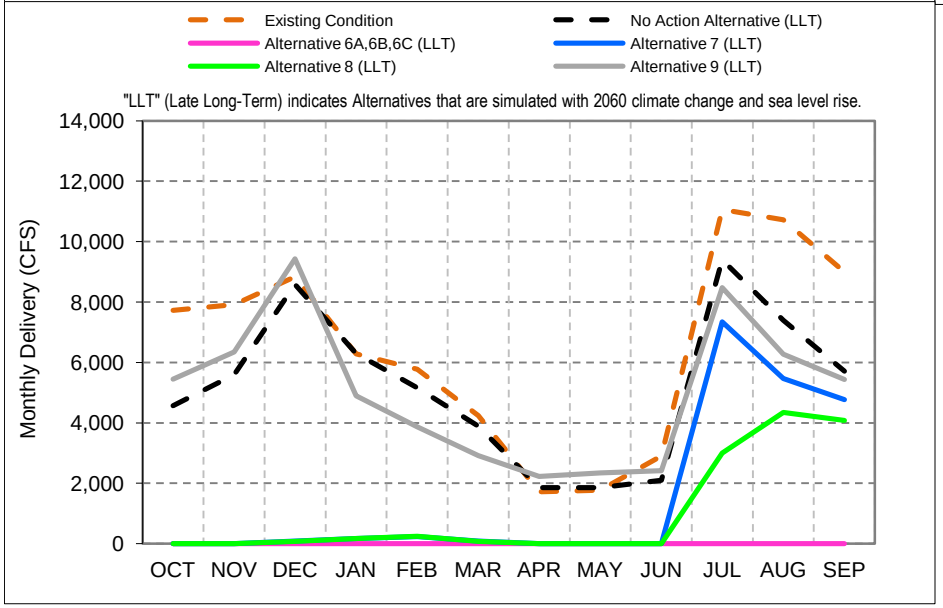
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*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





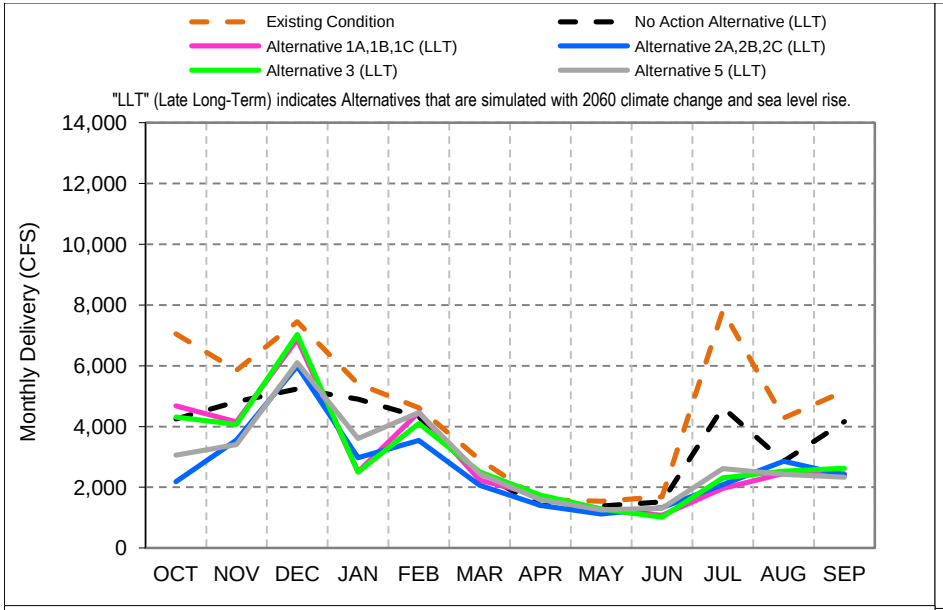


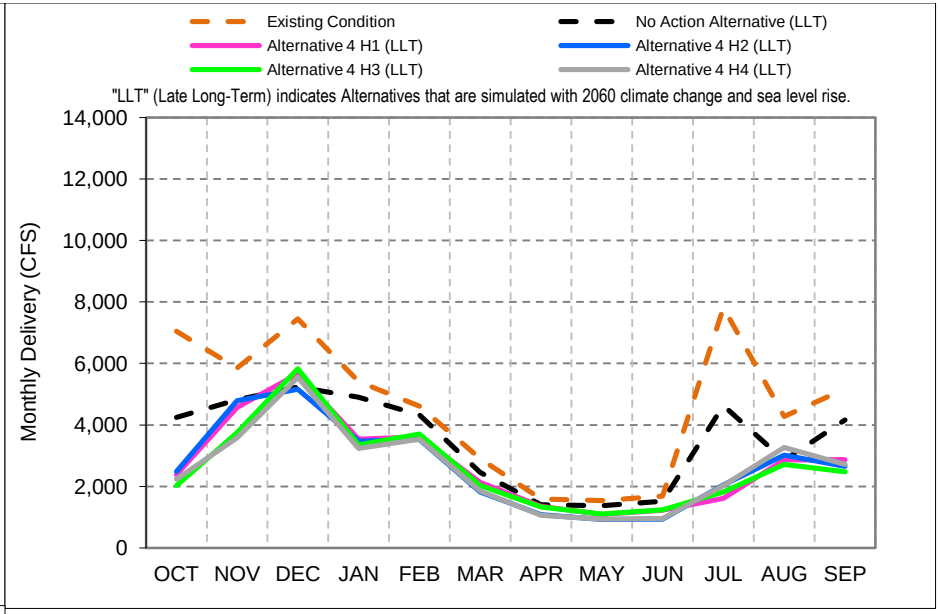
Alternative 4 Scenario Definitions:

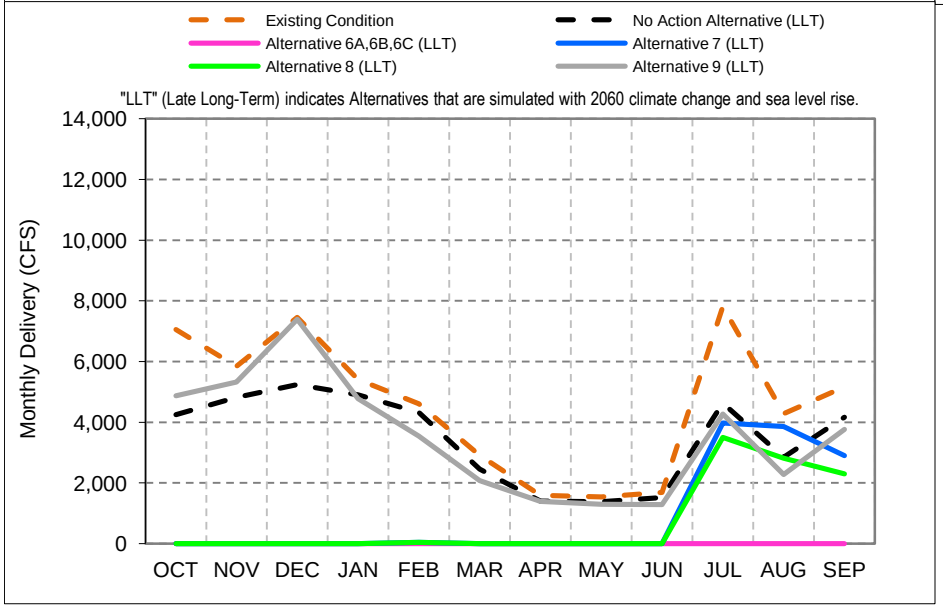
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*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)

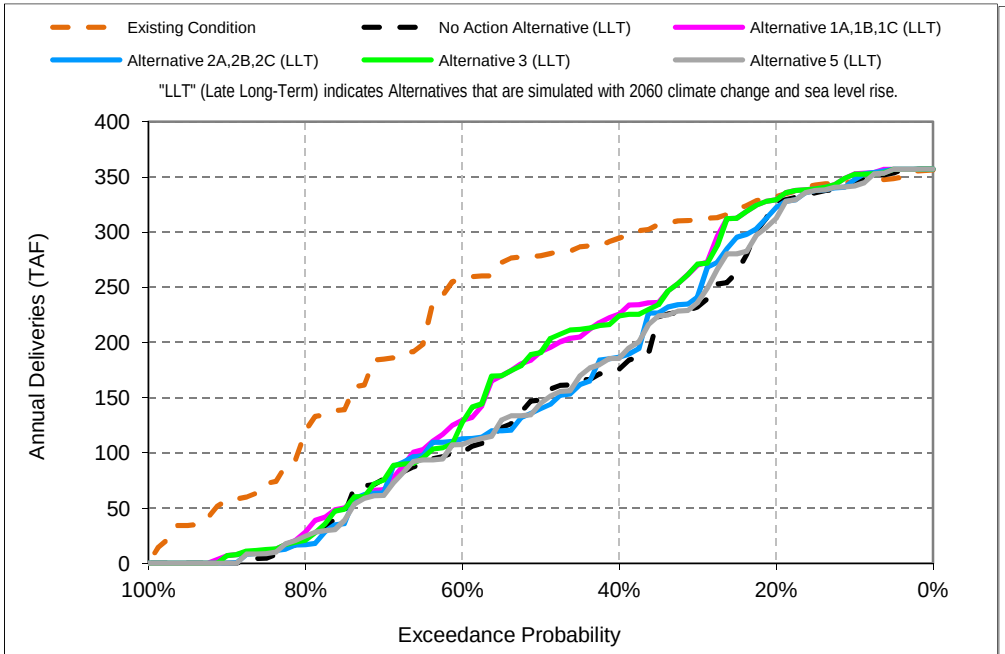
	Monthly Delivery Volume (TAF)												
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOT
Probability of Exceedance													
10%	122	0	-26	-251	-14	15	84	100	-69	0	0	0	-48
20%	46	124	21	-159	-206	-242	151	157	-37	11	0	-6	-77
30%	21	25	36	-110	-184	-195	165	144	-5	42	5	43	-79
40%	11	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

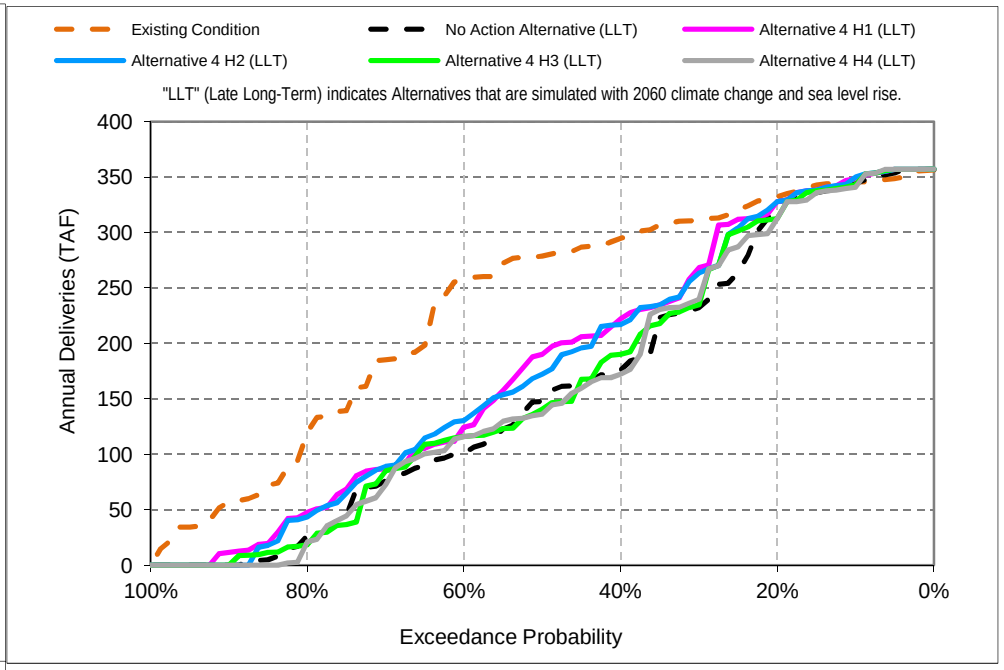
a Based on the 82-year simulation period

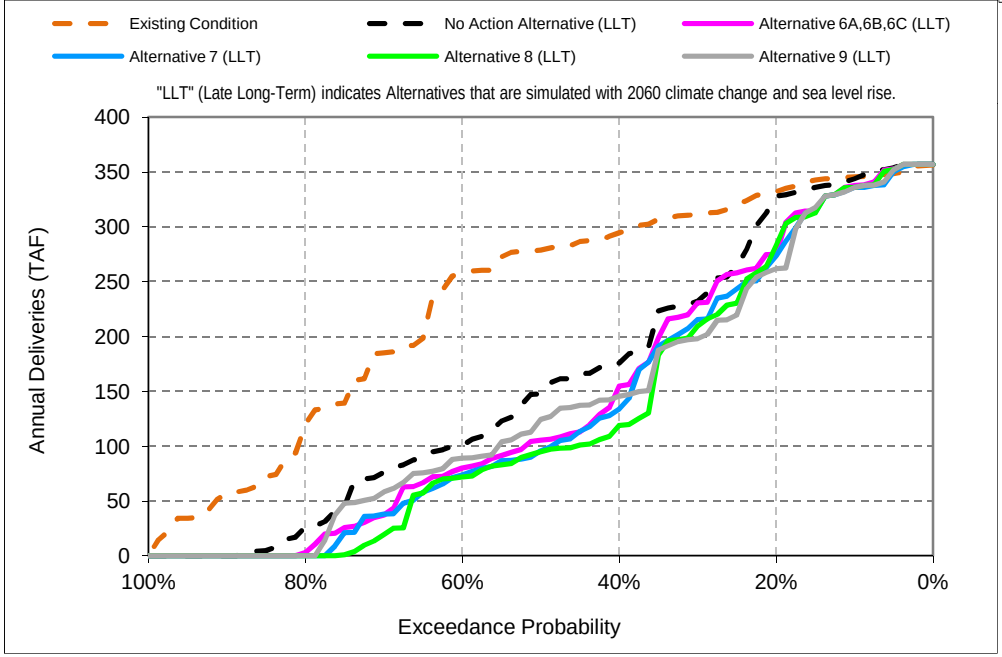
b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

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

C.13. SWP and CVP Deliveries



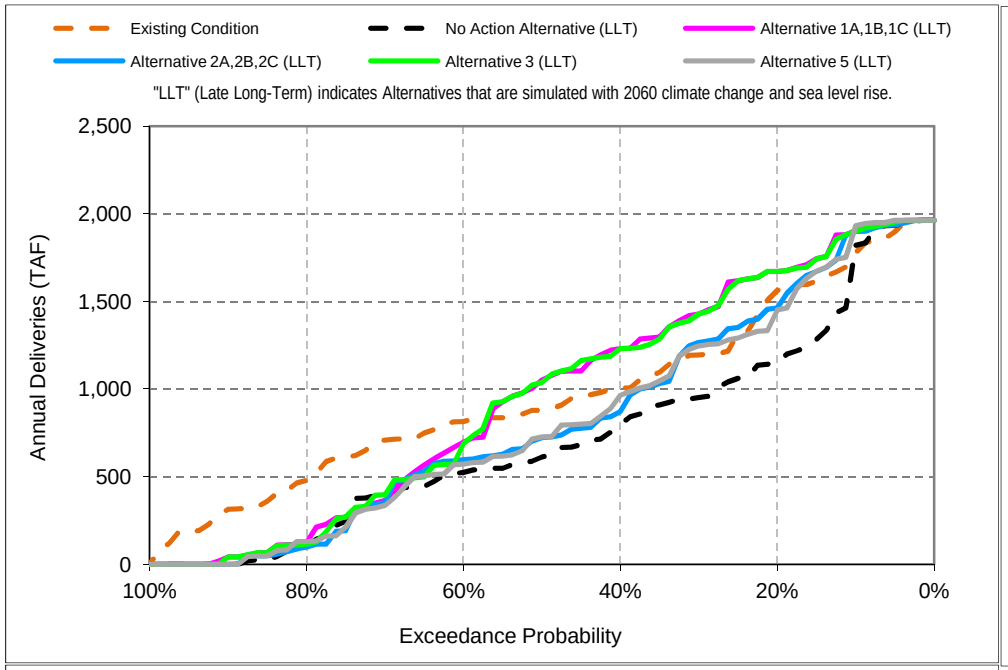


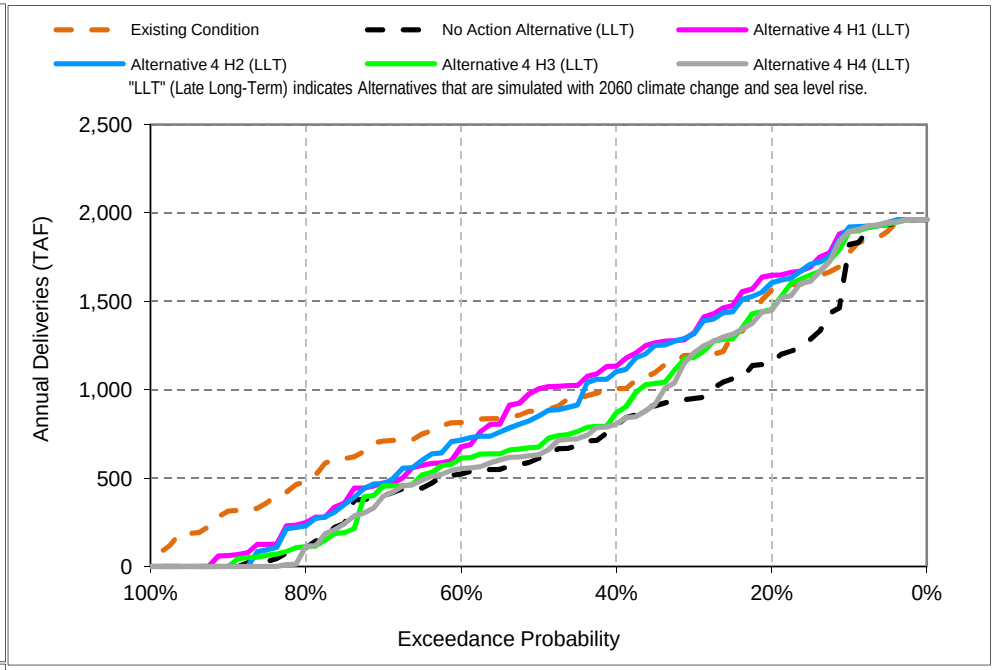


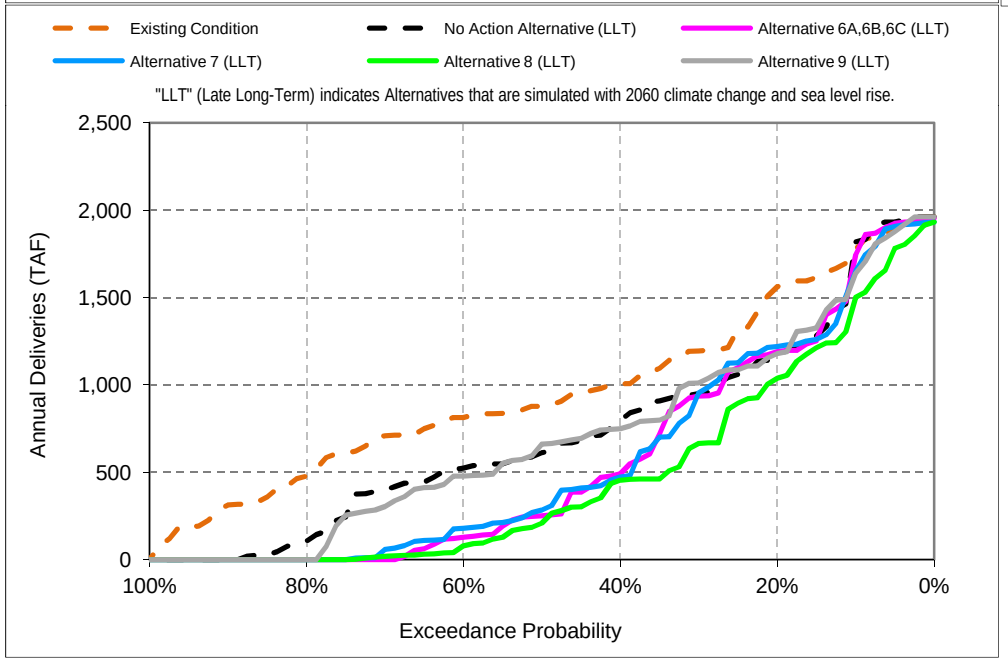
Alternative 4 Scenario Definitions:

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



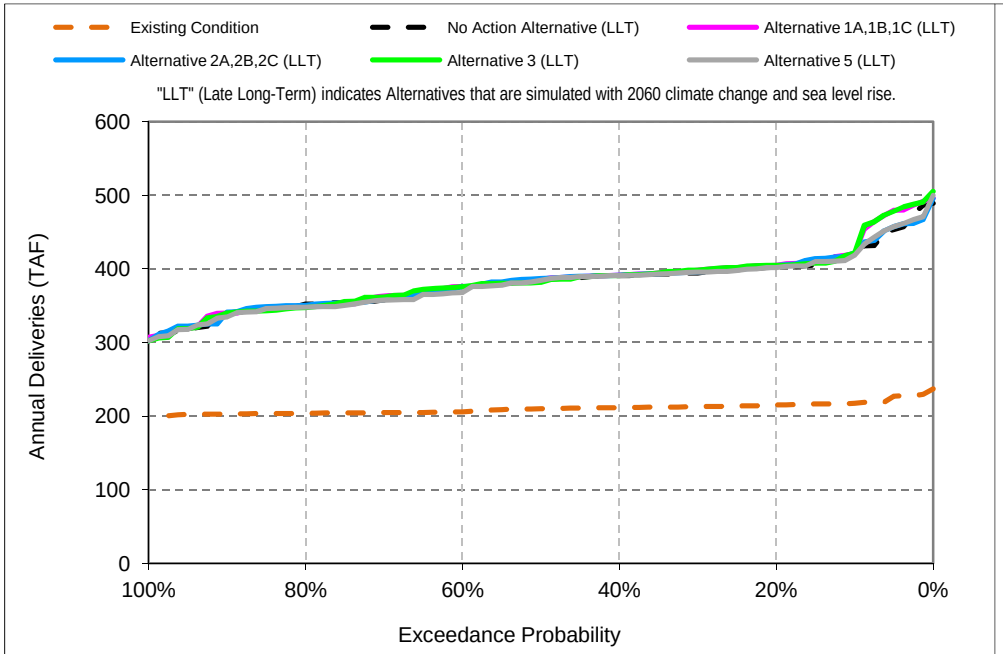


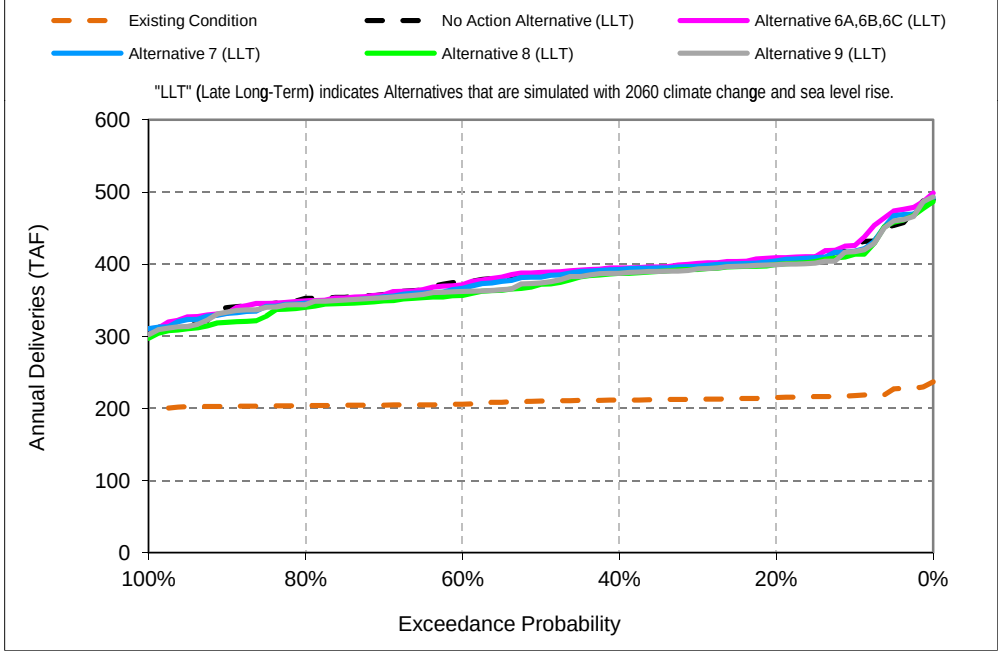


Alternative 4 Scenario Definitions:

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

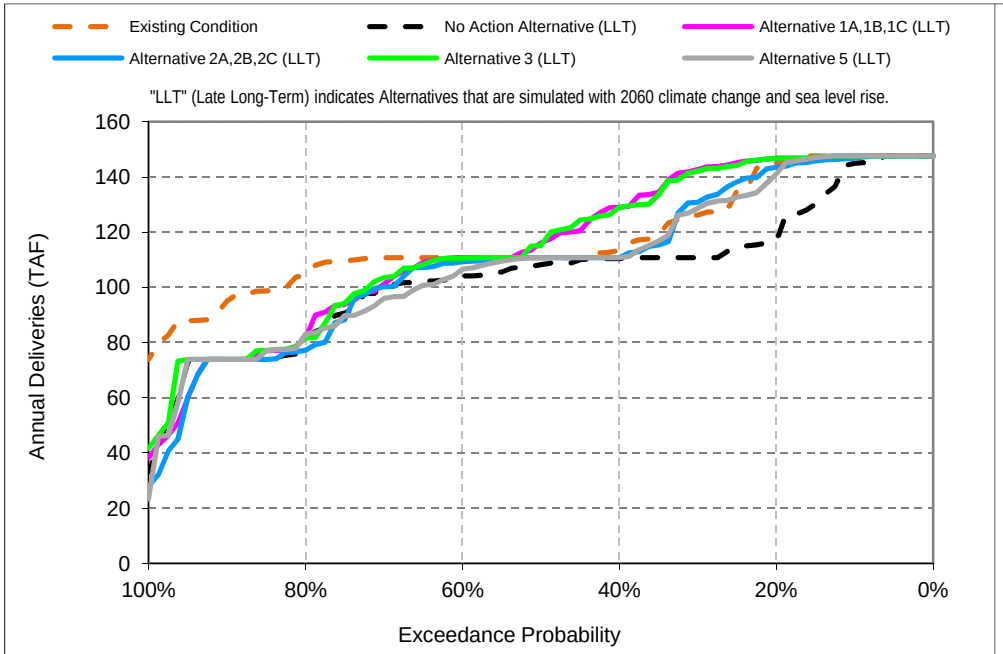


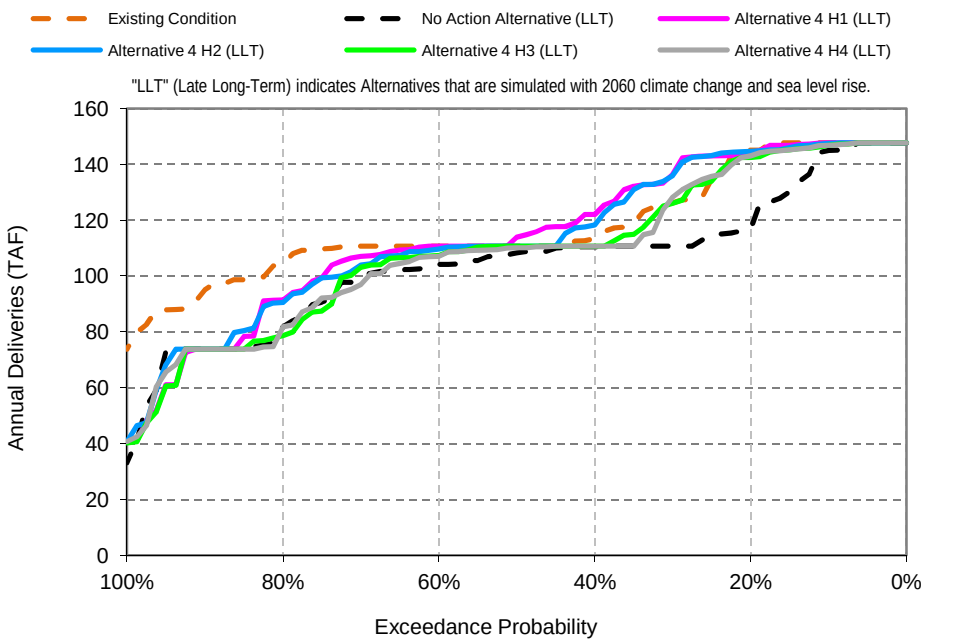


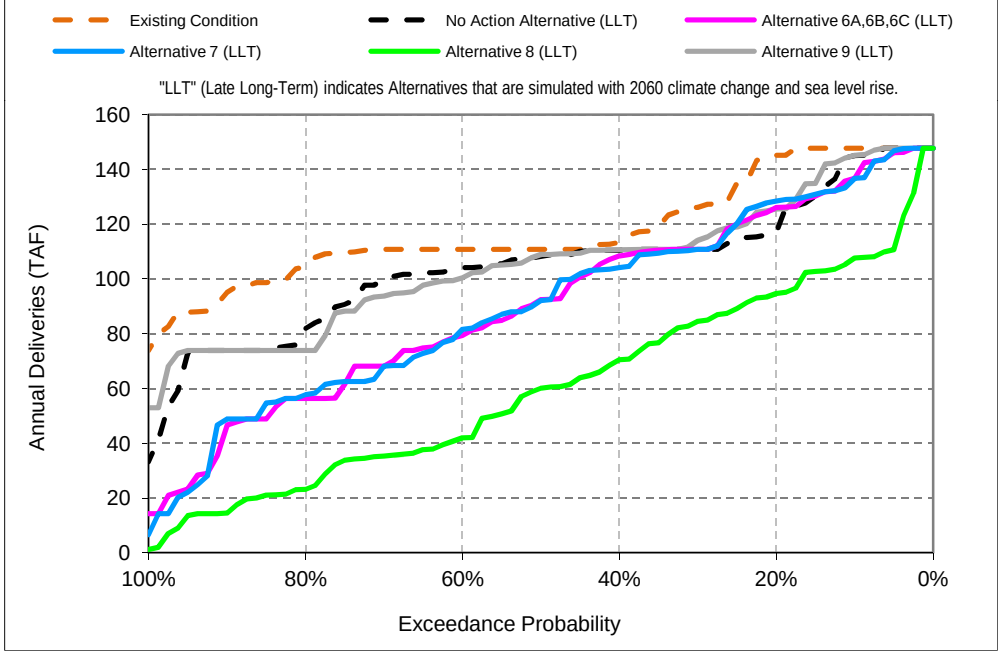
Alternative 4 Scenario Definitions:

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



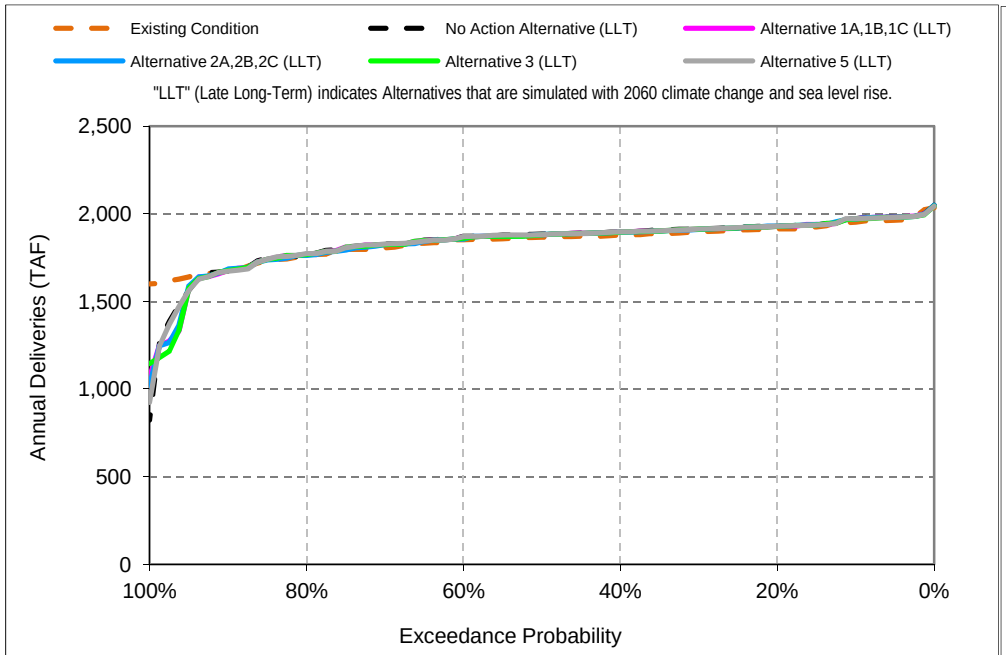


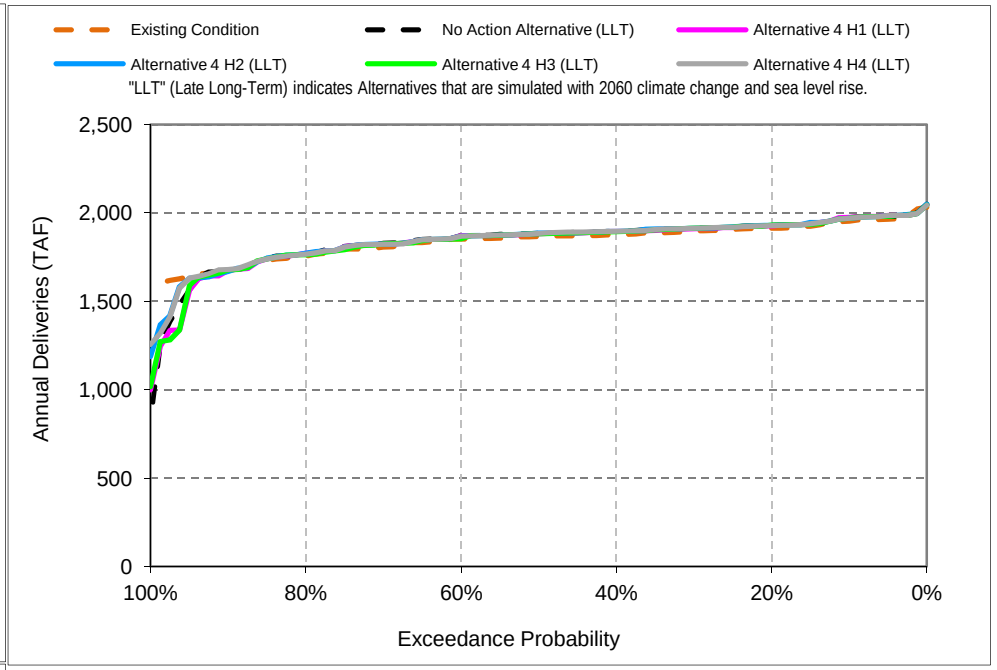


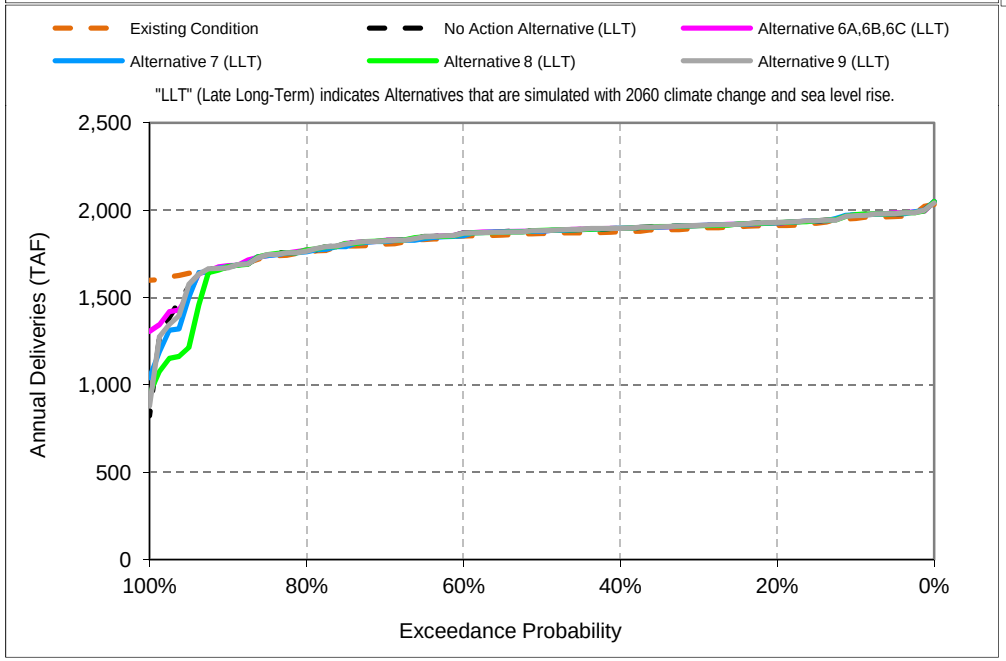
Alternative 4 Scenario Definitions:

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



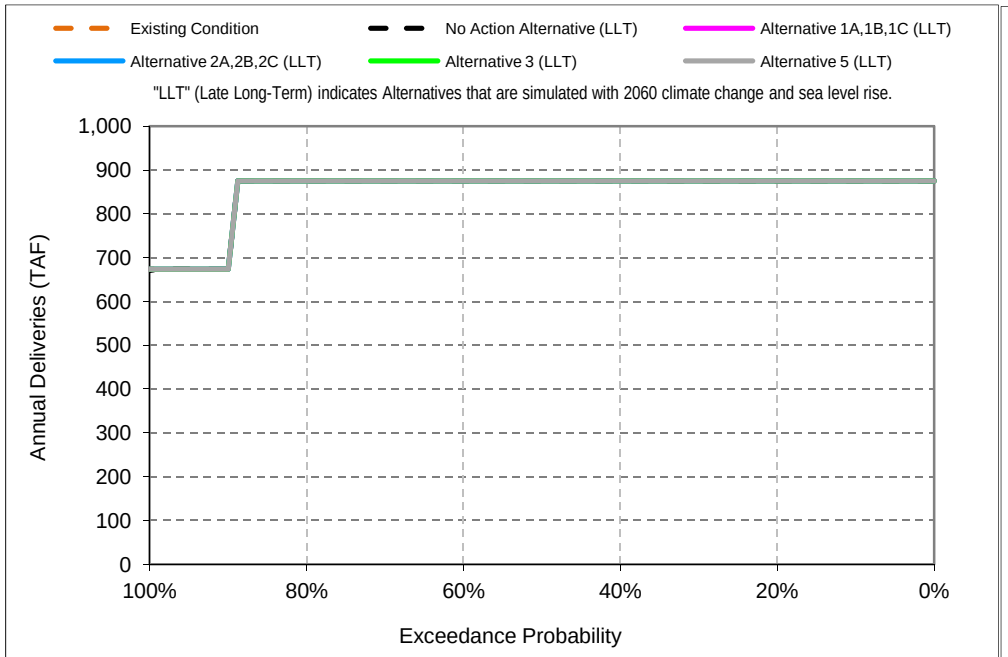


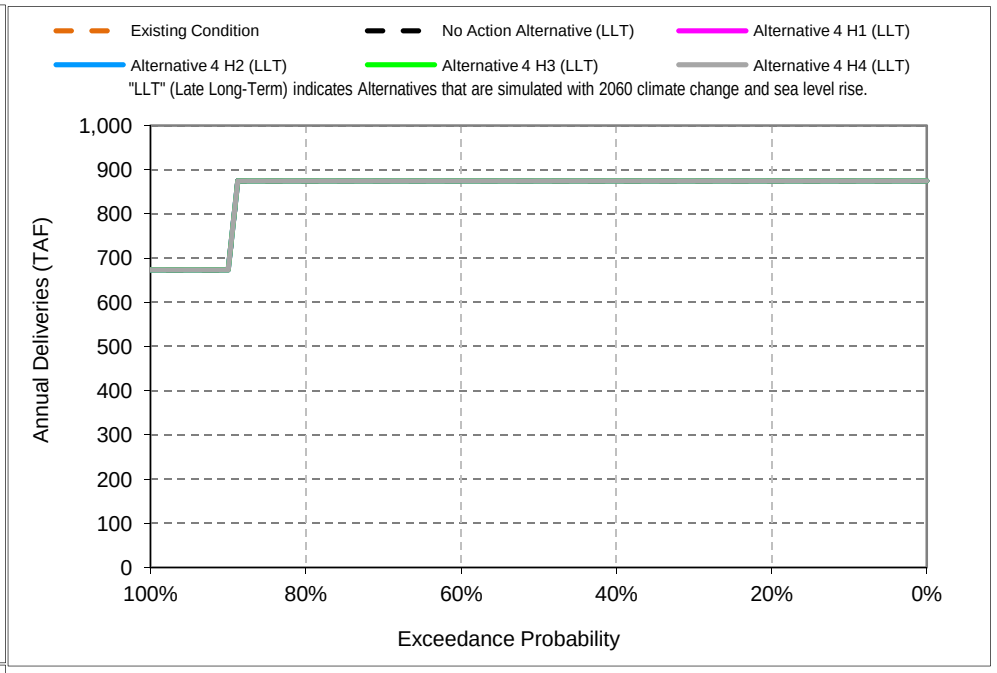


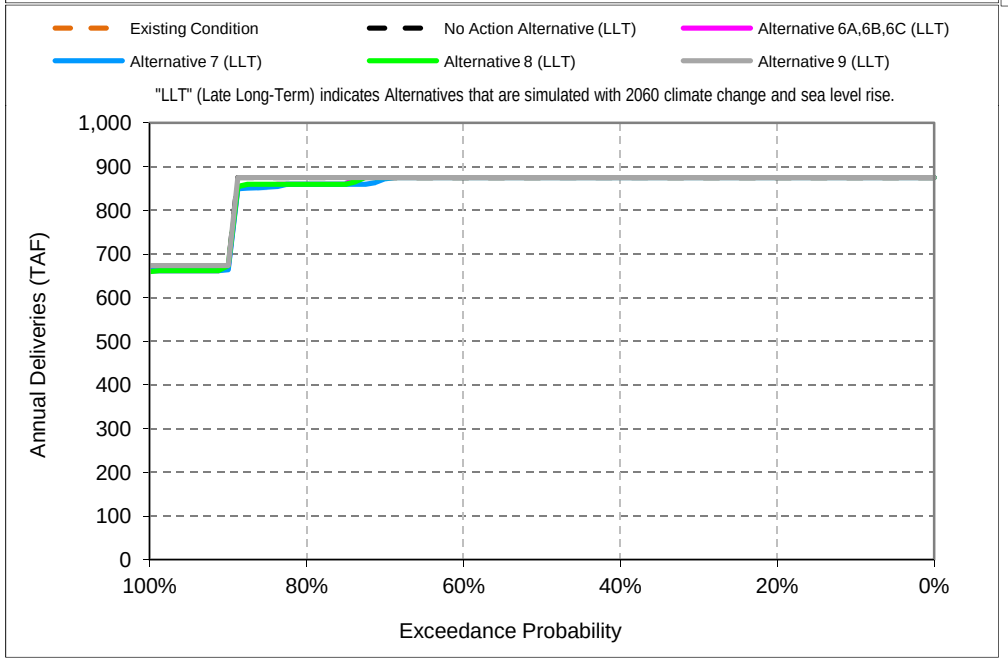
Alternative 4 Scenario Definitions:

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



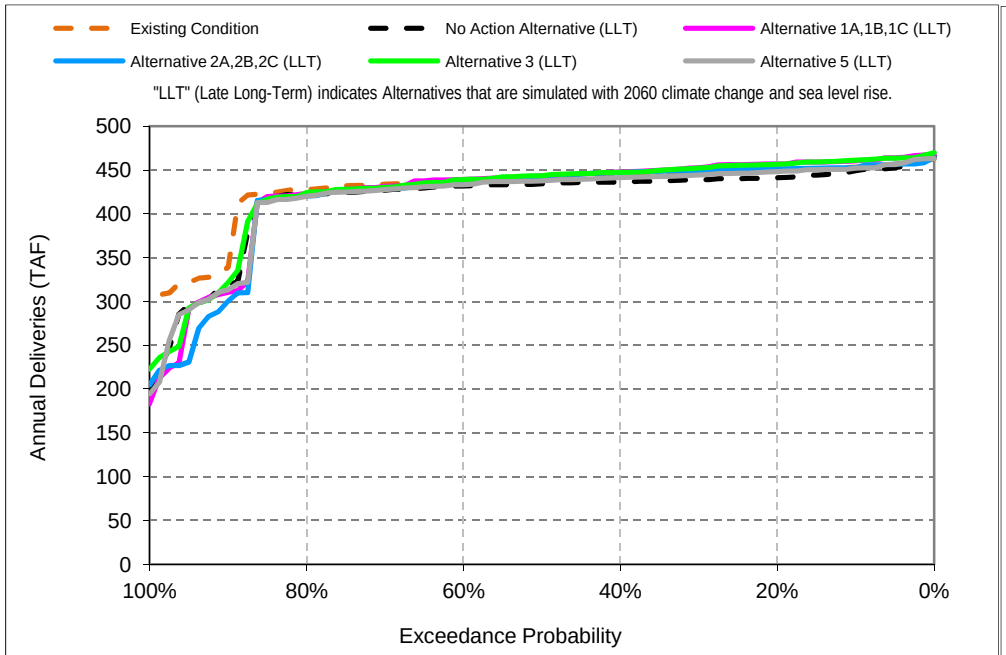


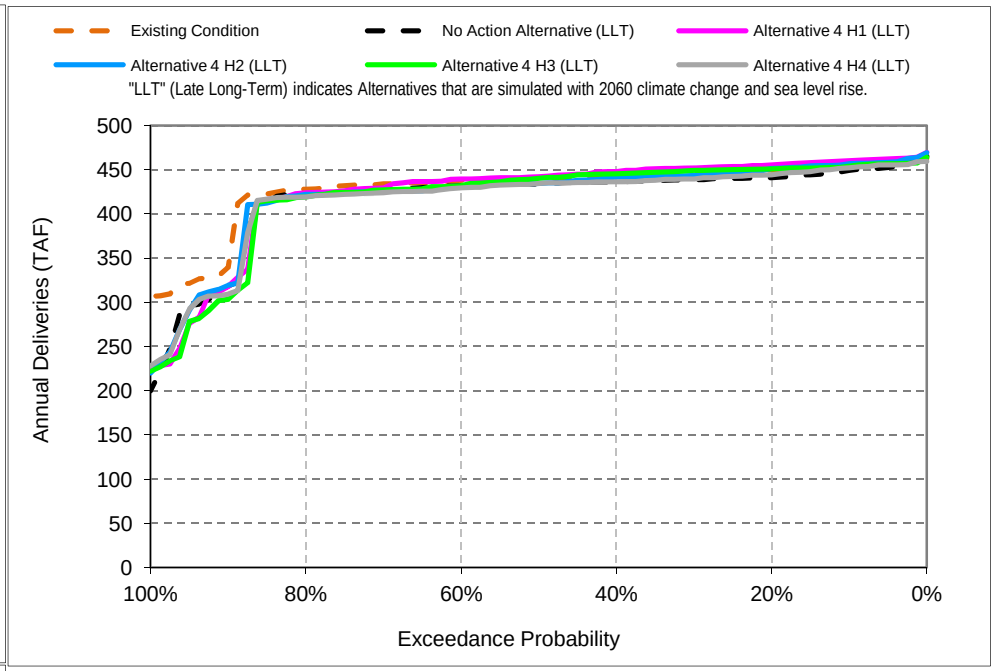


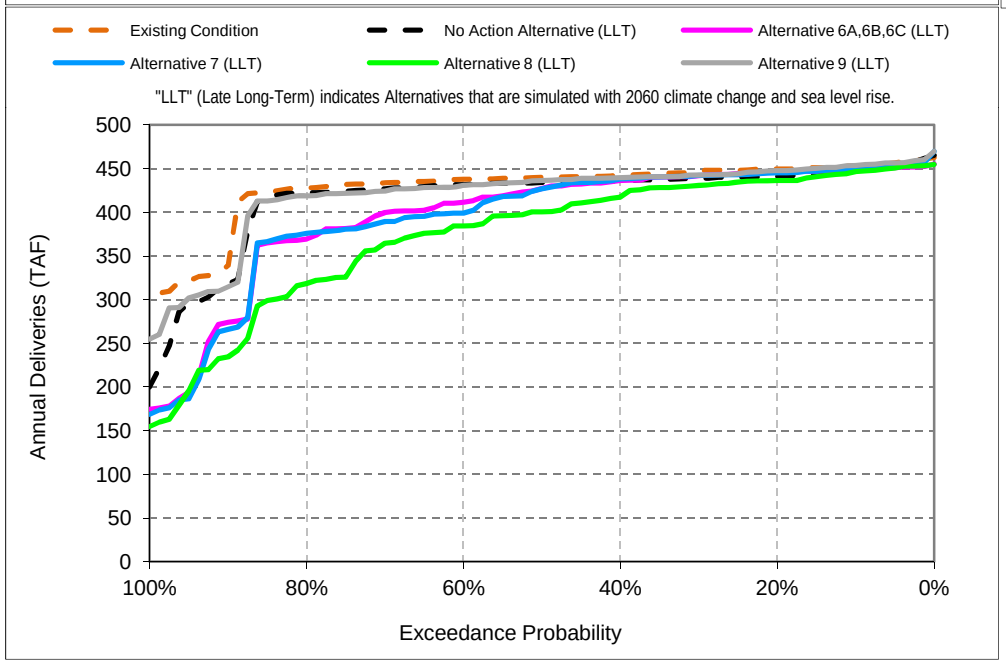
Alternative 4 Scenario Definitions:

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



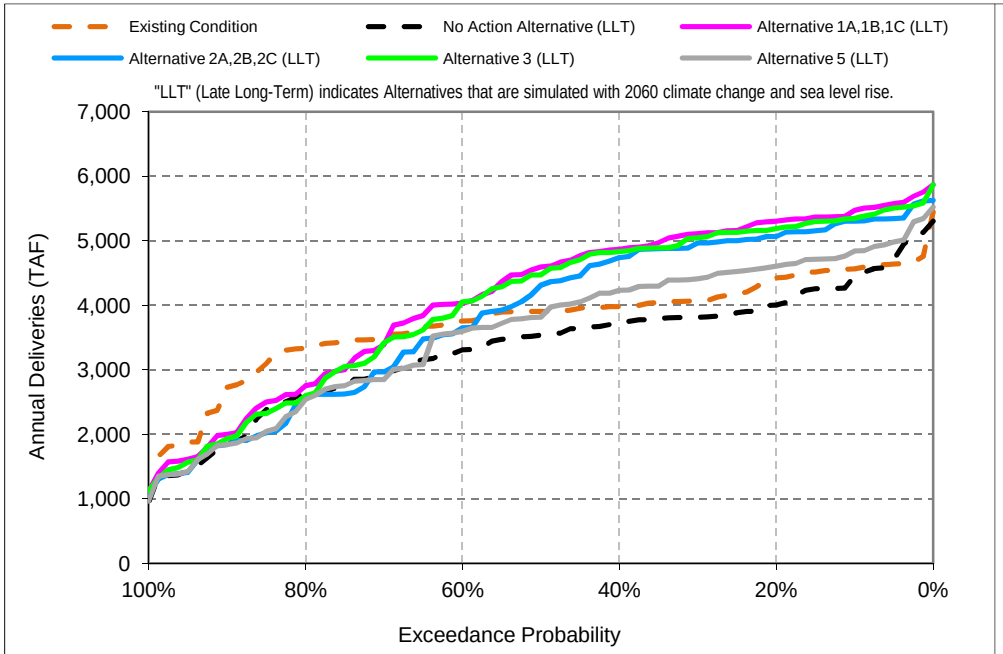


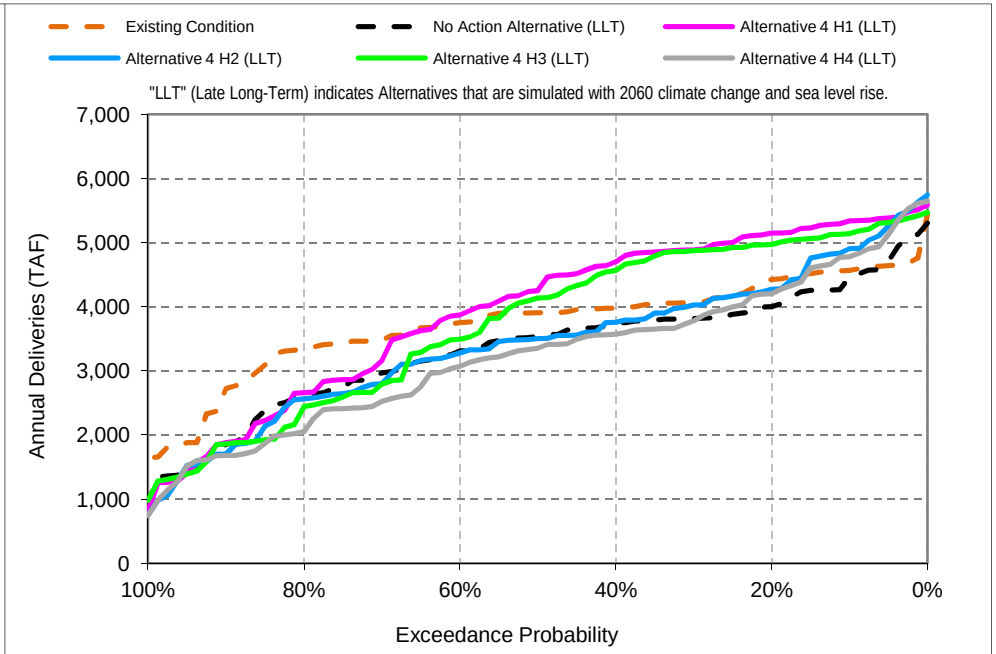


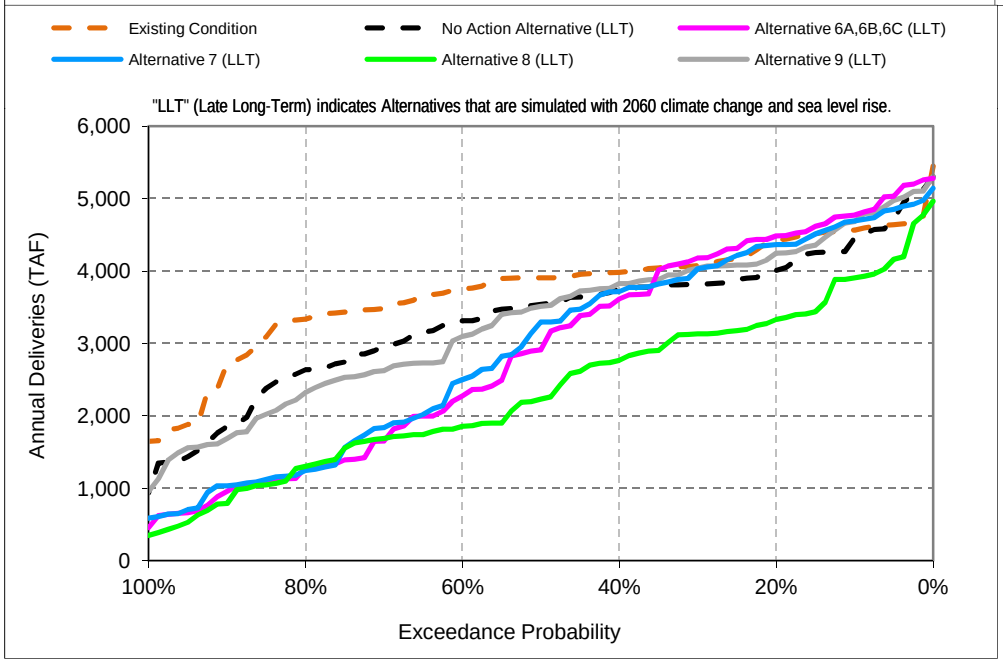
Alternative 4 Scenario Definitions:

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



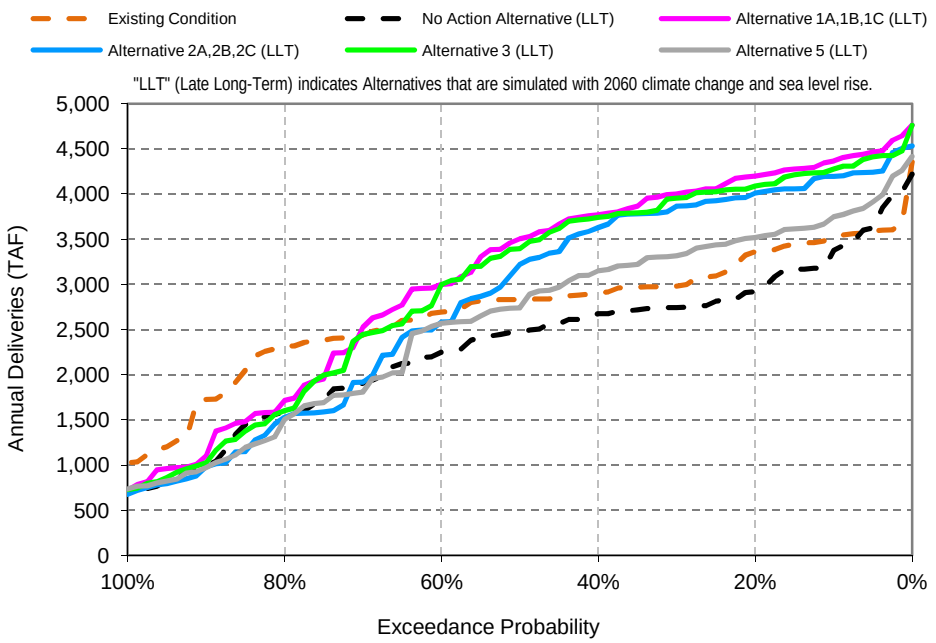


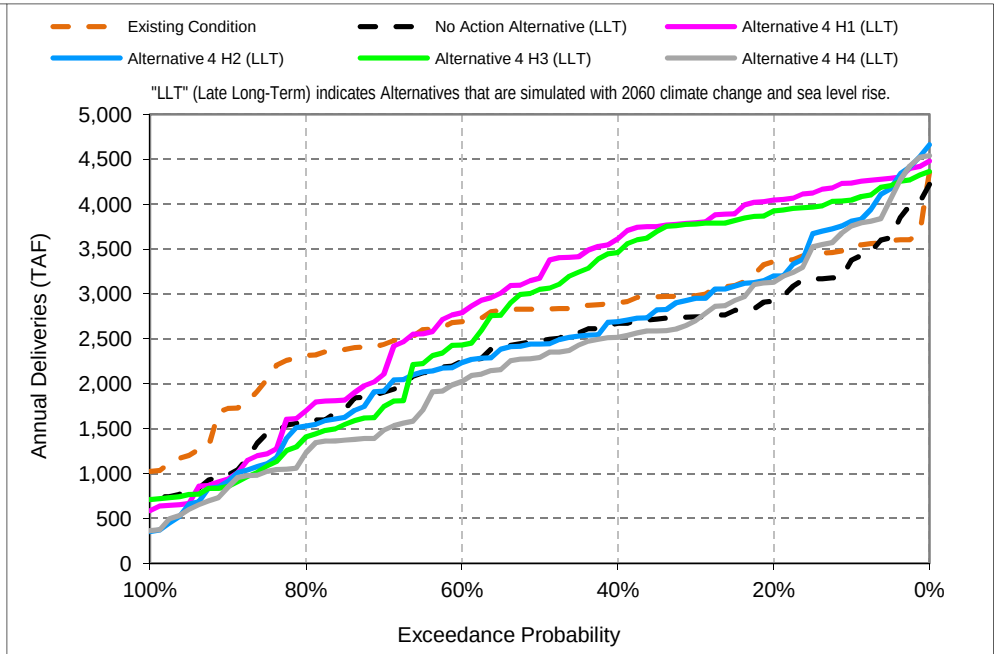


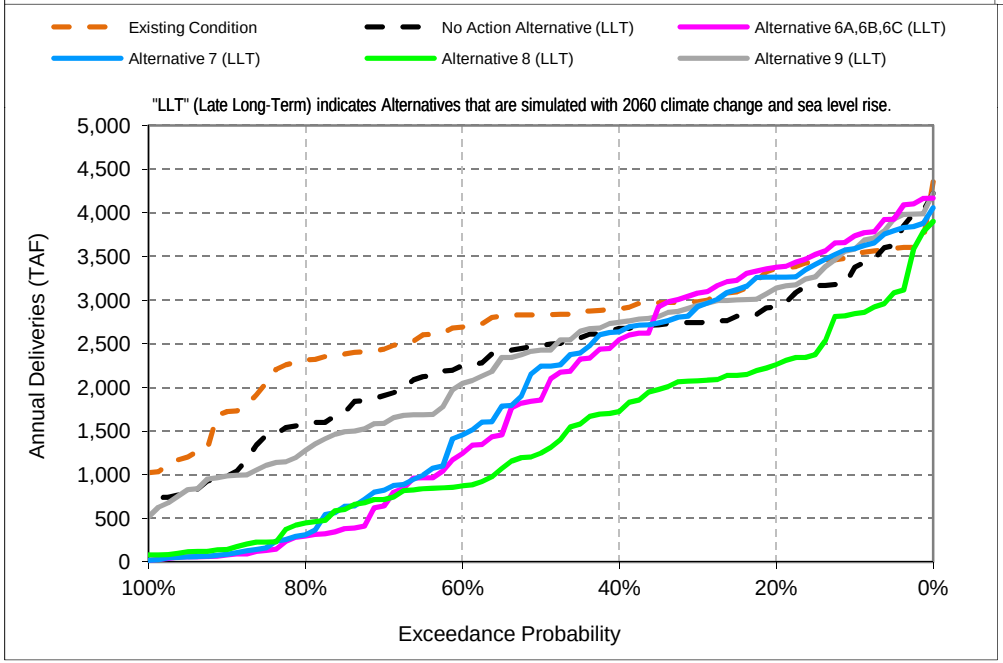
Alternative 4 Scenario Definitions:

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



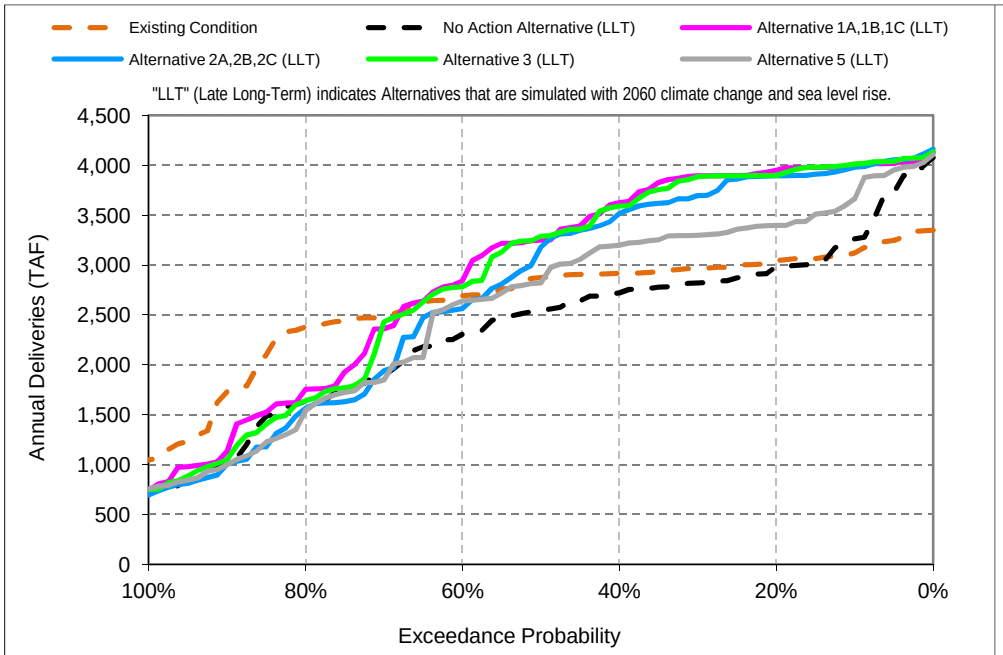


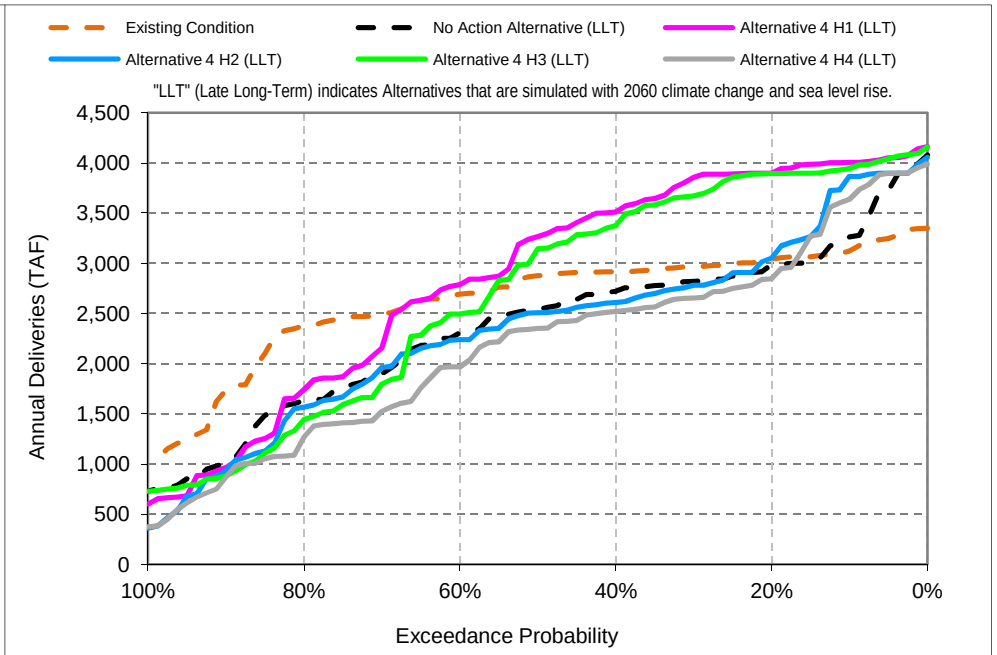


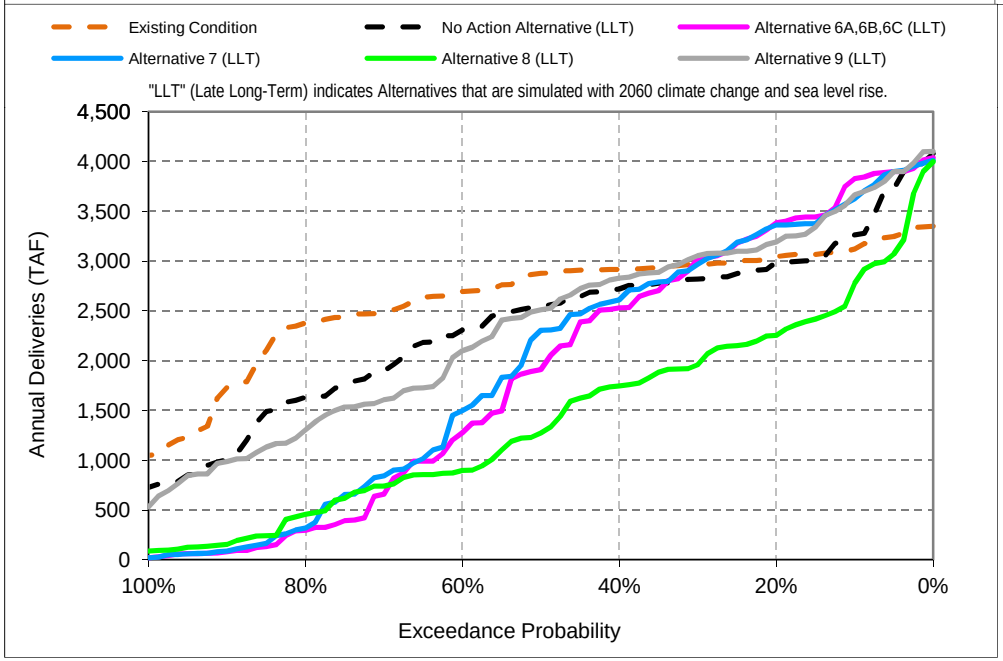
Alternative 4 Scenario Definitions:

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



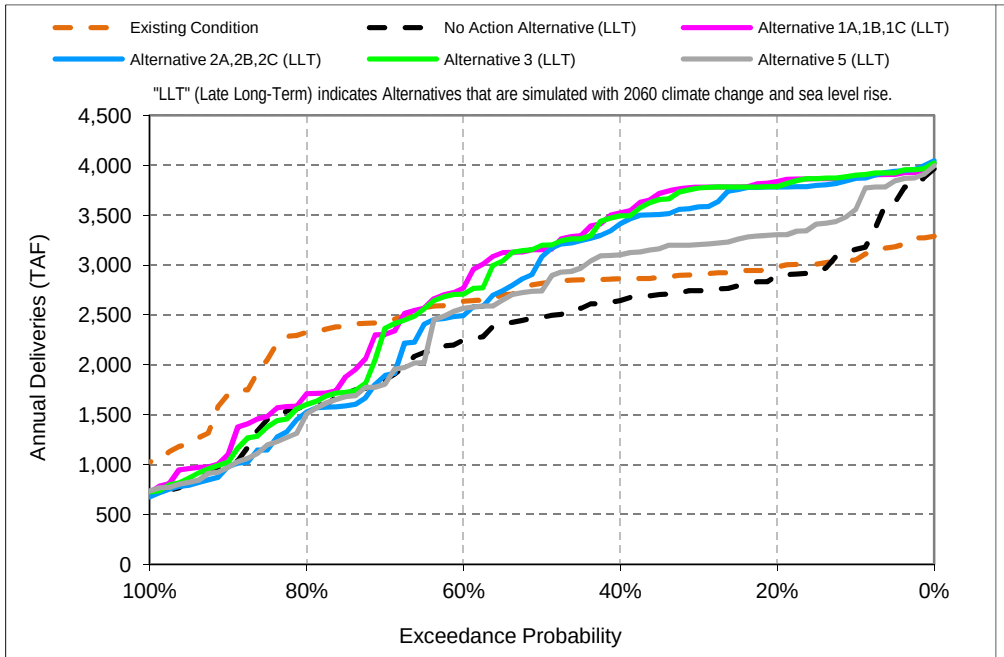


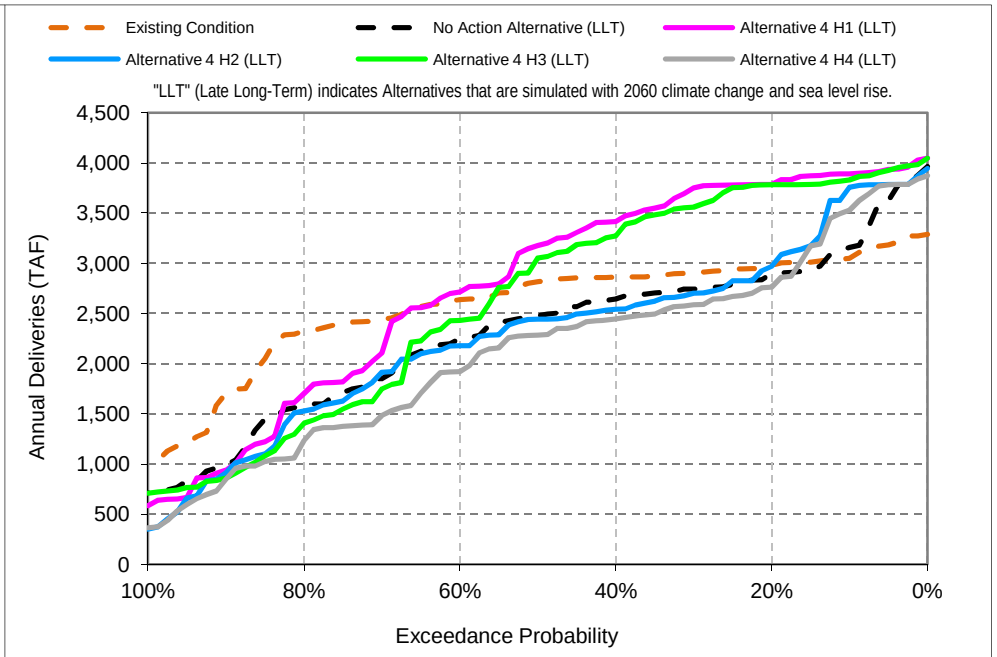


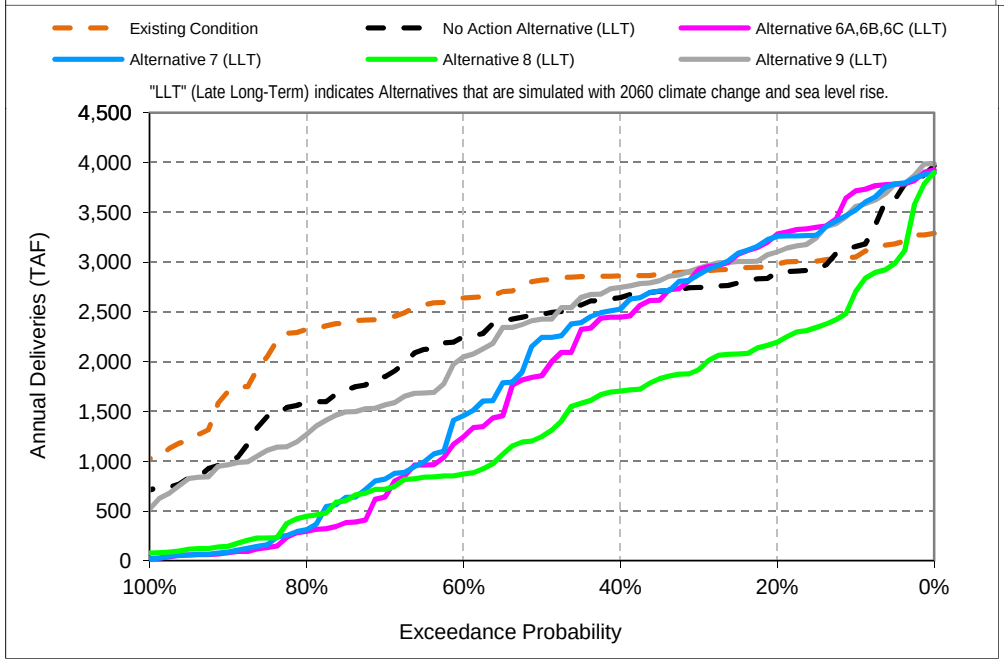
Alternative 4 Scenario Definitions:

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



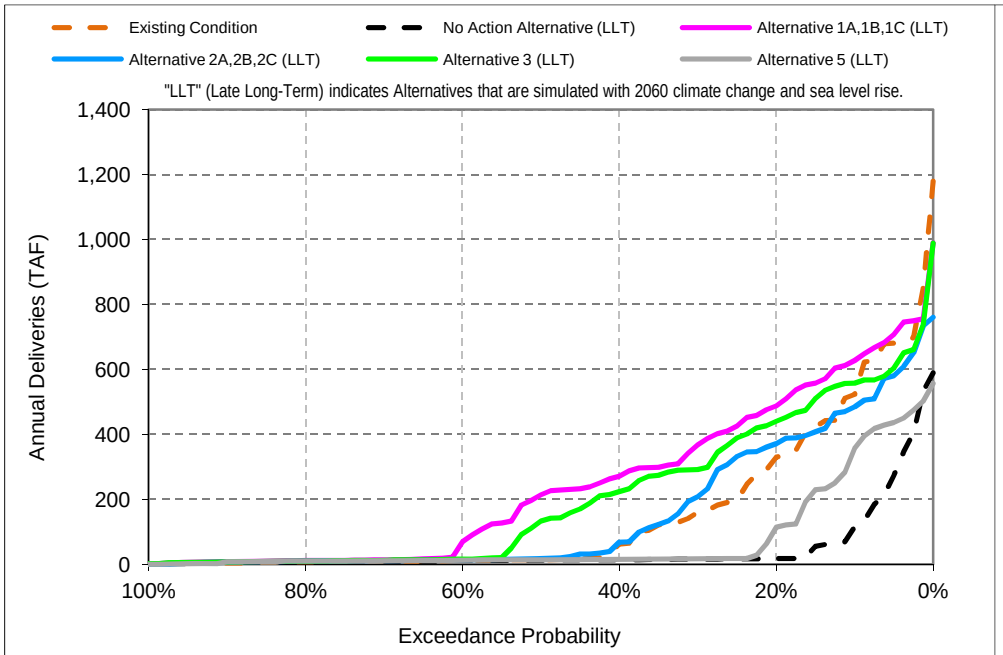


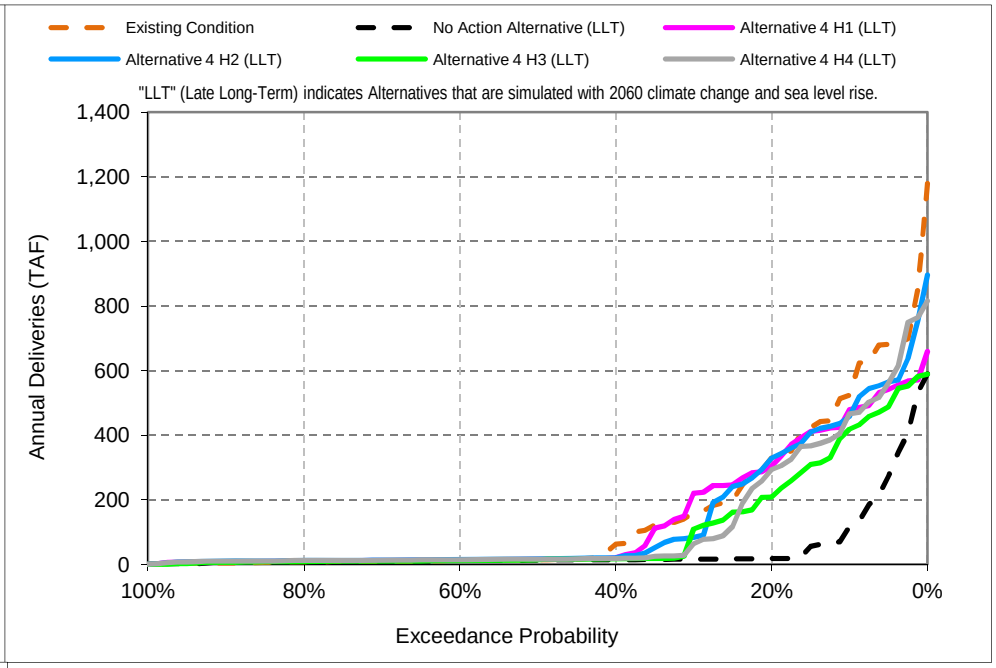


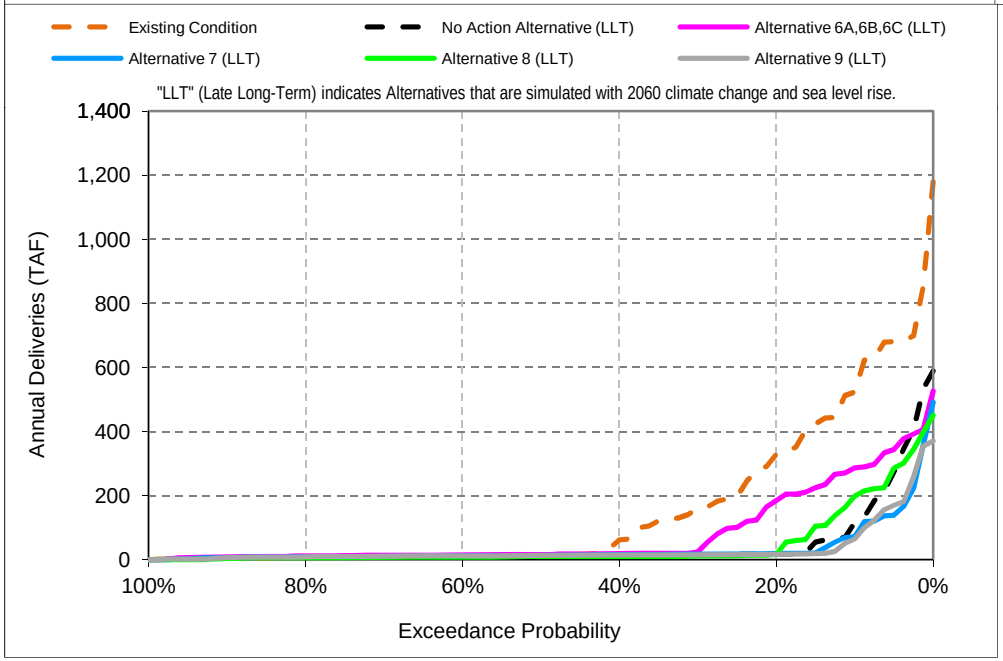
Alternative 4 Scenario Definitions:

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



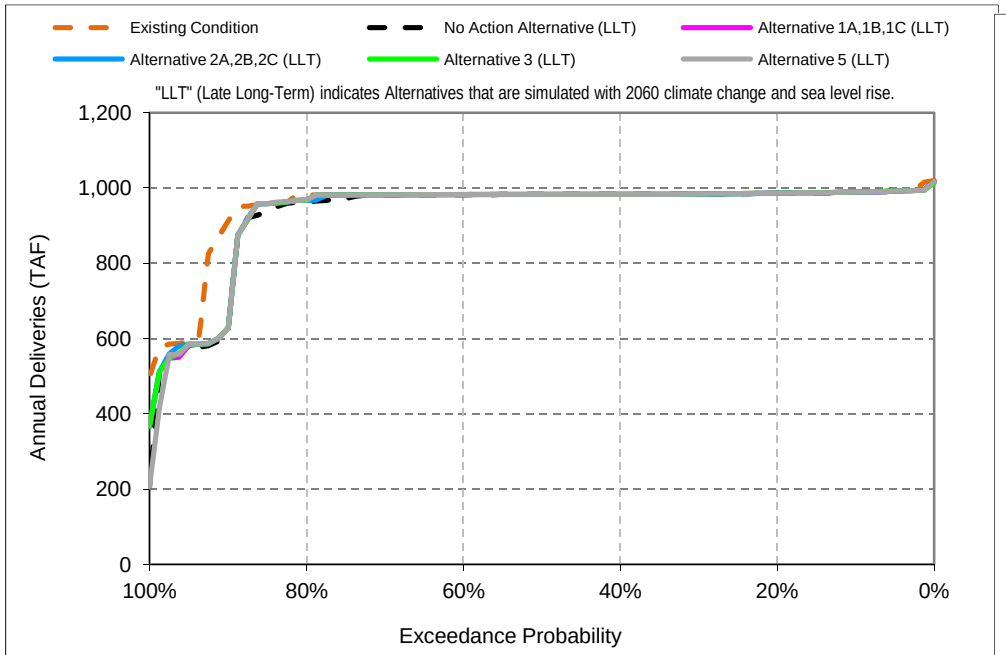


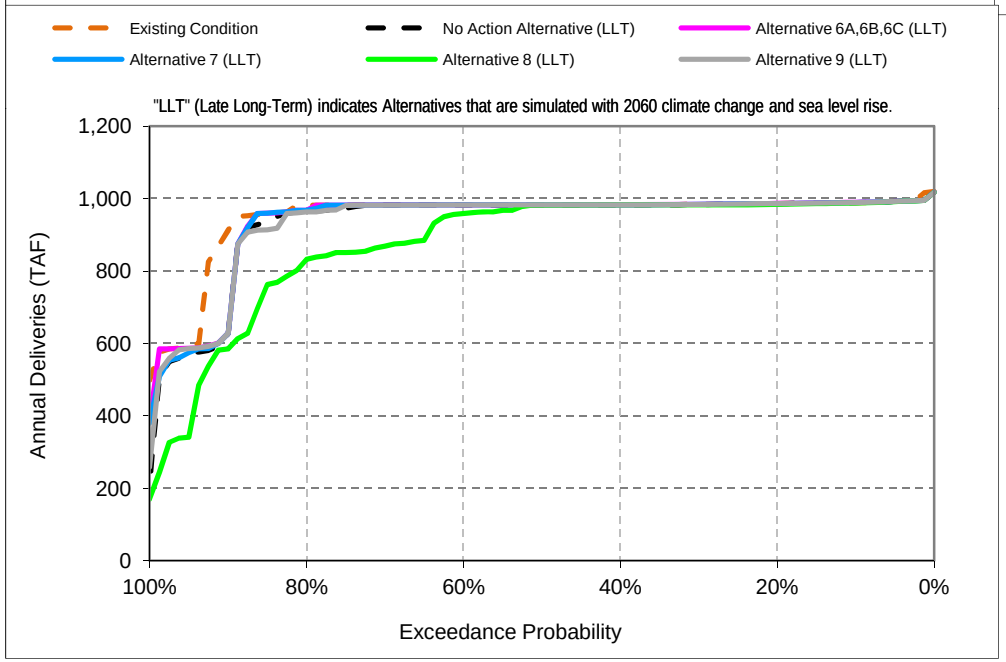


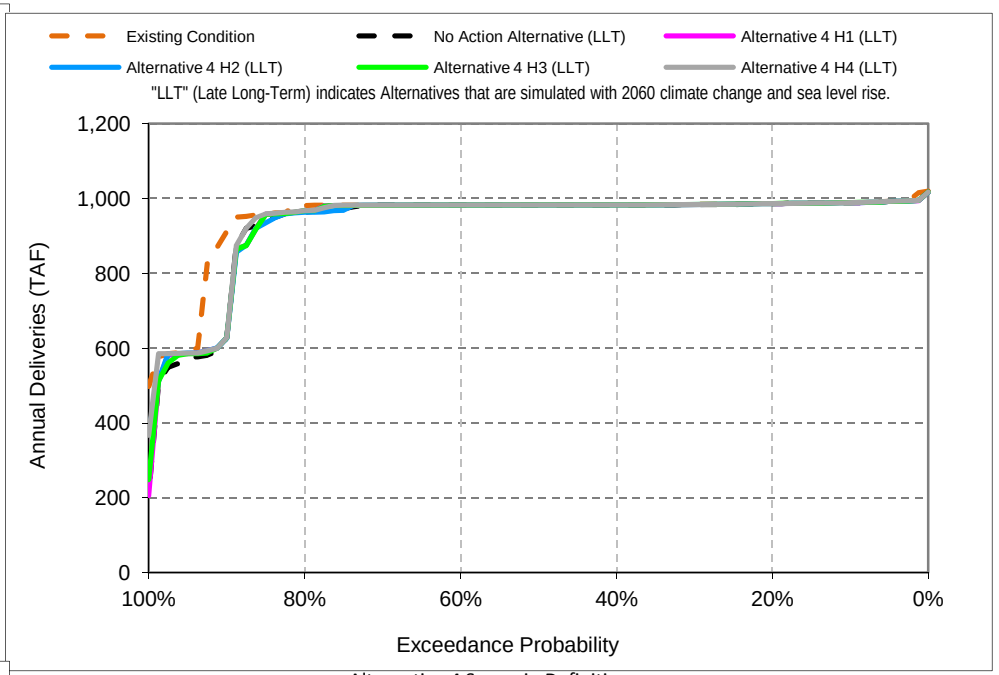
Alternative 4 Scenario Definitions:

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

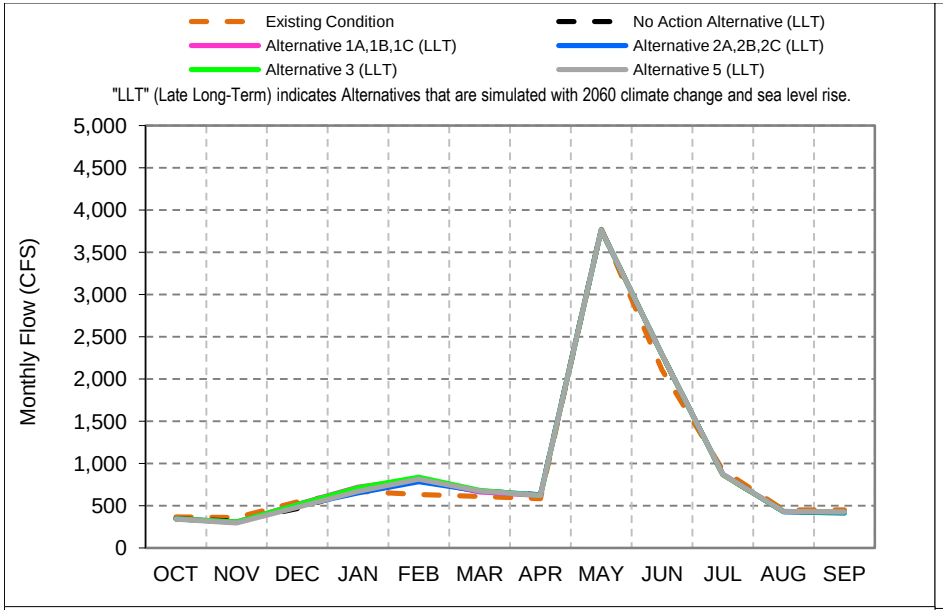
Note:
1. Long Term is the average quantity for the period of Oct 1921 - Sep 2003.
2. "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.
3. Alternative 4 Scenario Definitions:
   H1 - Low Delta Outflow Scenario
   H2 - Enhanced Spring Delta Outflow Scenario
   H3 - Fall X2 Scenario
   H4 - High Delta Outflow Scenario

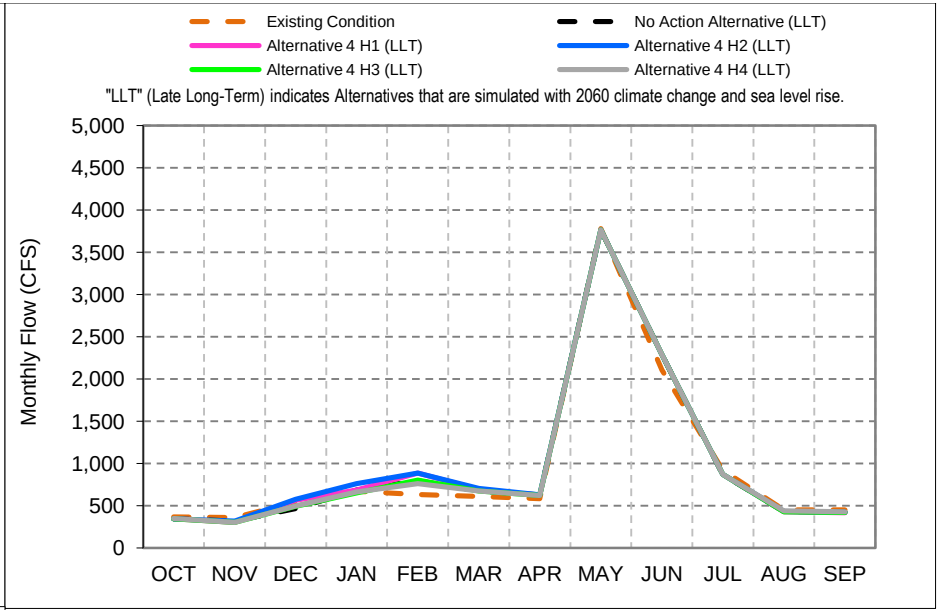
Table C-13-27. CALSIM II SWP South of Delta Table A and Article 21 Deliveries, Long-Term Averages

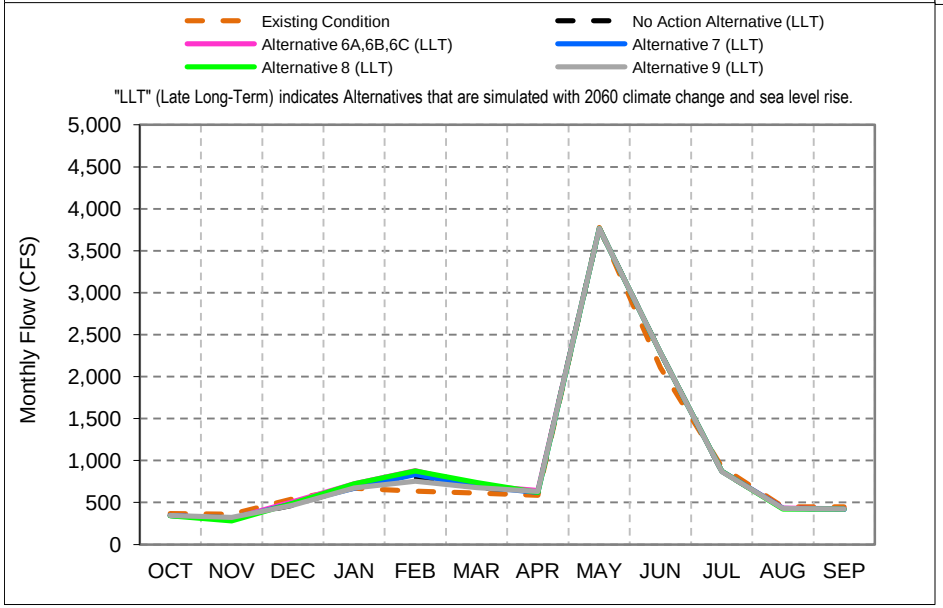
	SWP Deliveries		Difference from Existing Condition		Difference from No Action Alternative (LLT)	
	SWP SOD Table A Delivery (w Art 56)	SWP Article 21 Delivery	SWP SOD Table A Delivery (w Art 56)	SWP Article 21 Delivery	SWP SOD Table A Delivery (w Art 56)	SWP Article 21 Delivery
	(TAF)	(TAF)	(TAF)	(TAF)	(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



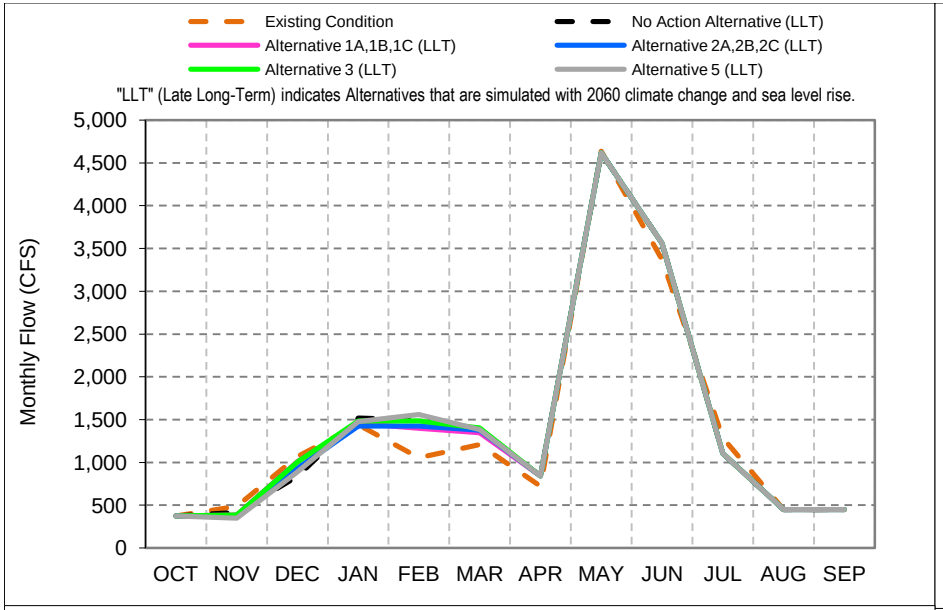


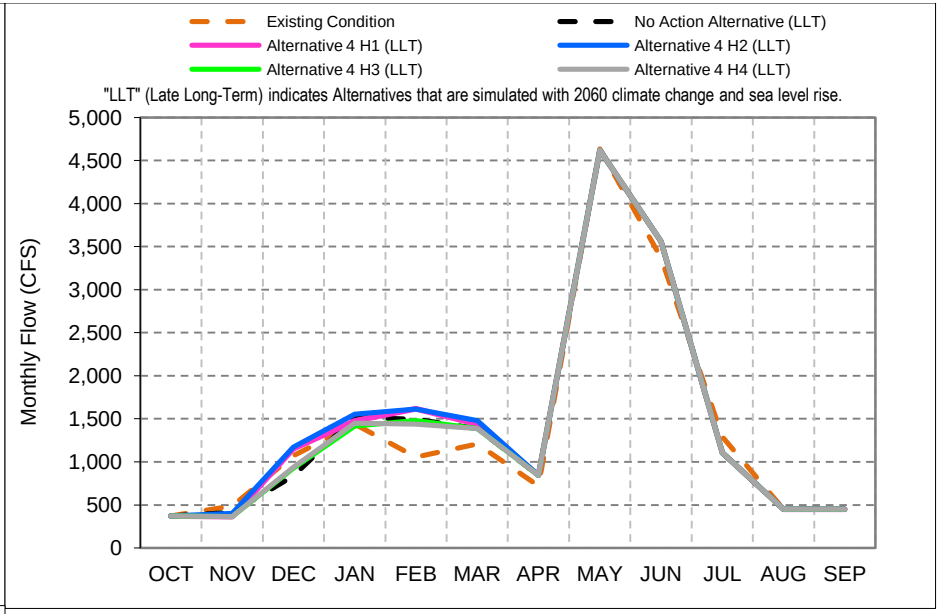


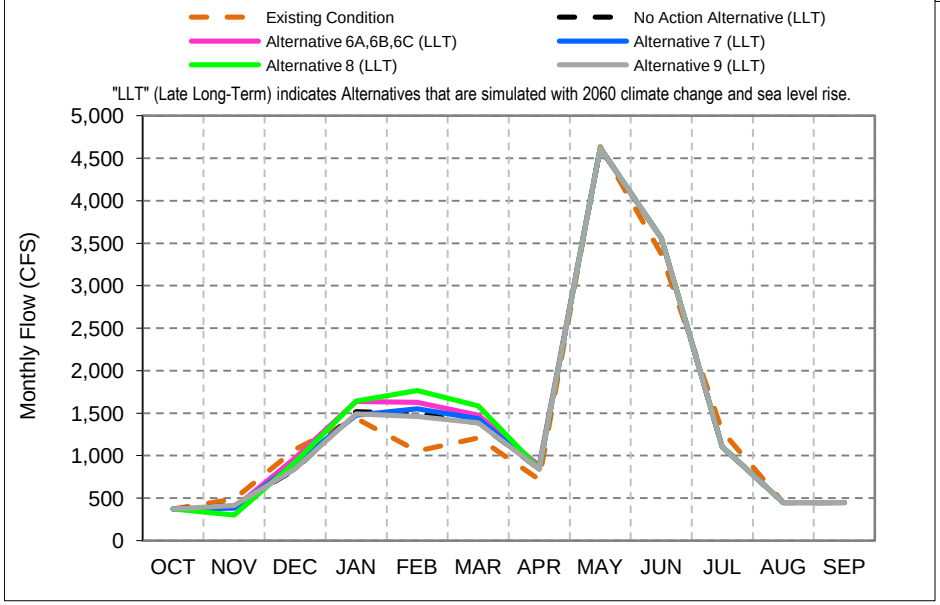
Alternative 4 Scenario Definitions:

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





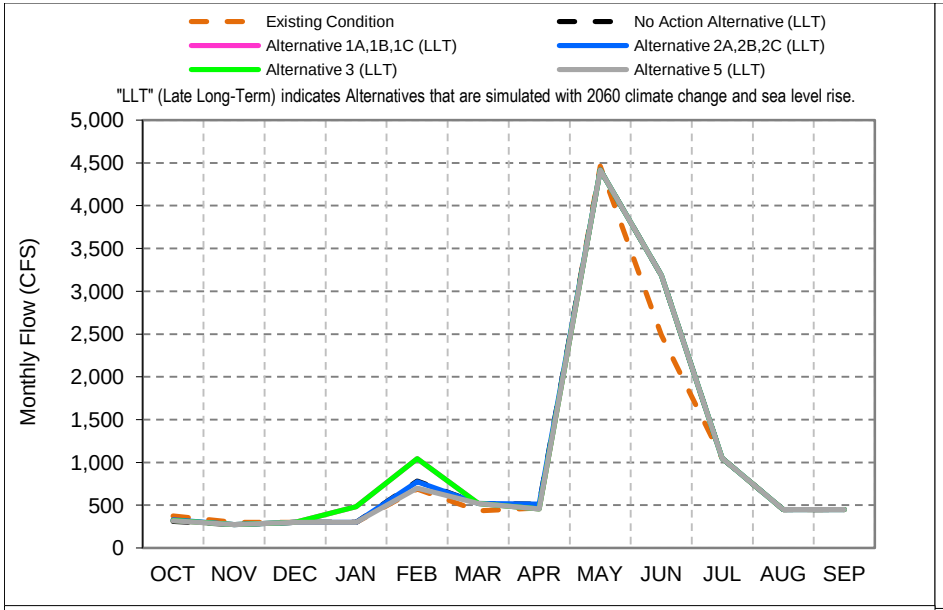


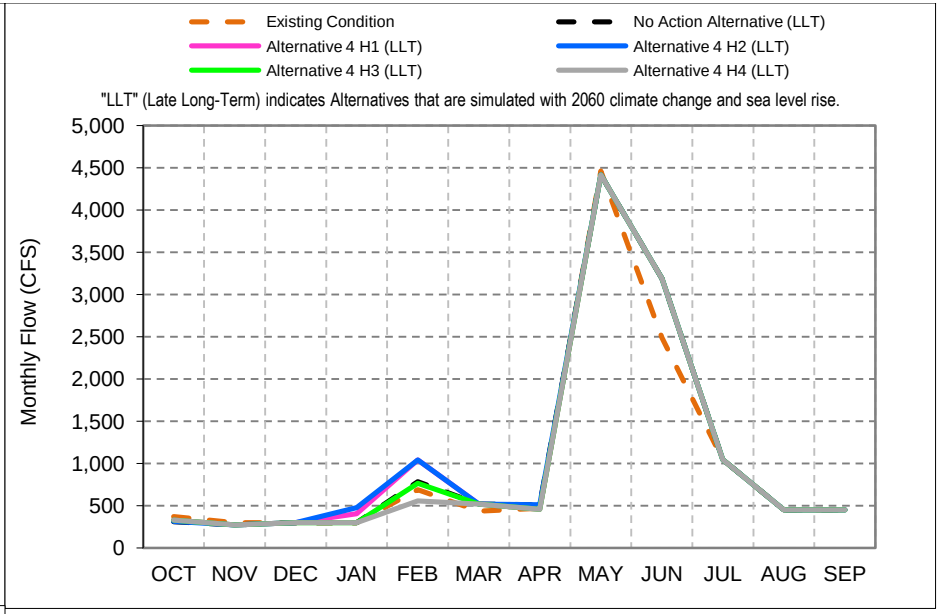
Alternative 4 Scenario Definitions:

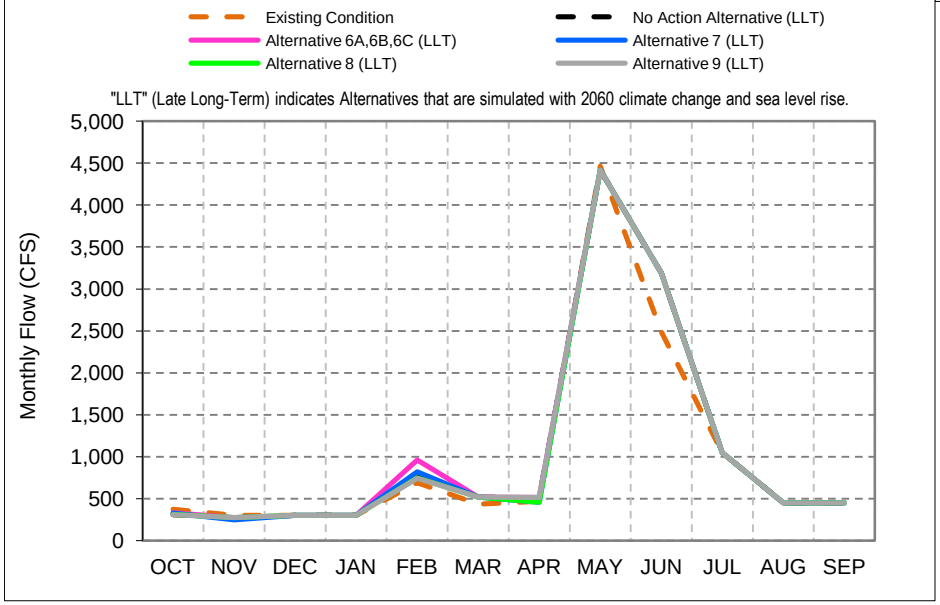
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*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





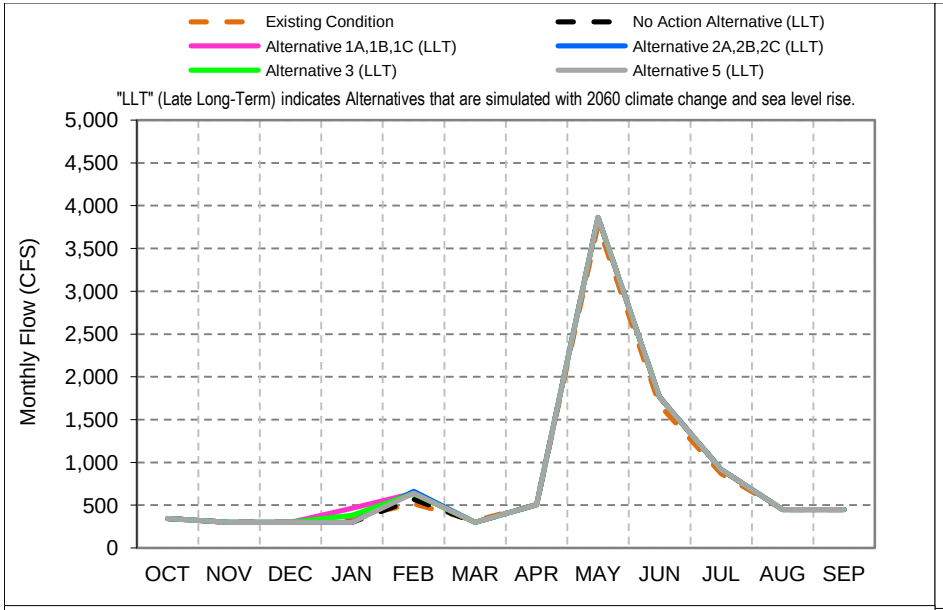


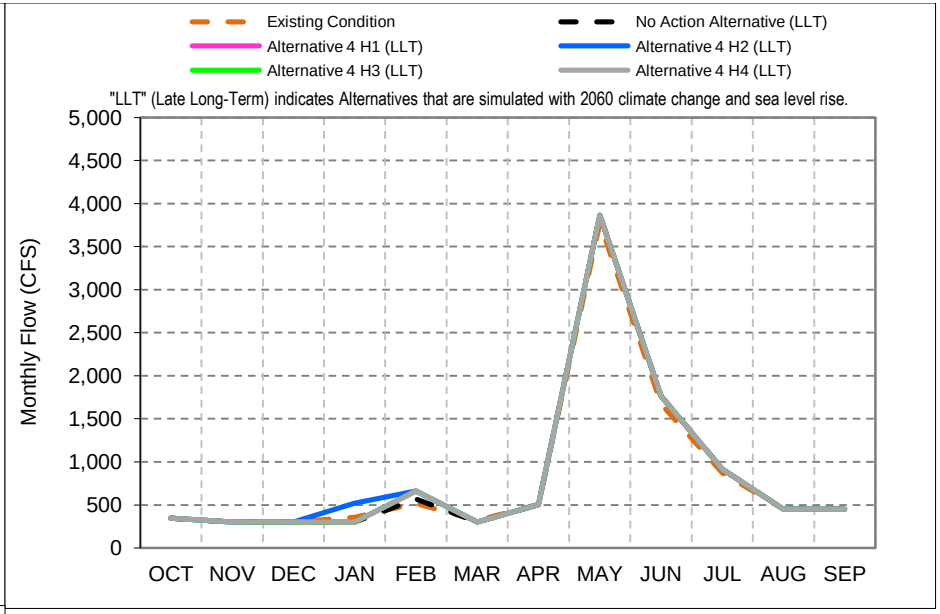
Alternative 4 Scenario Definitions:

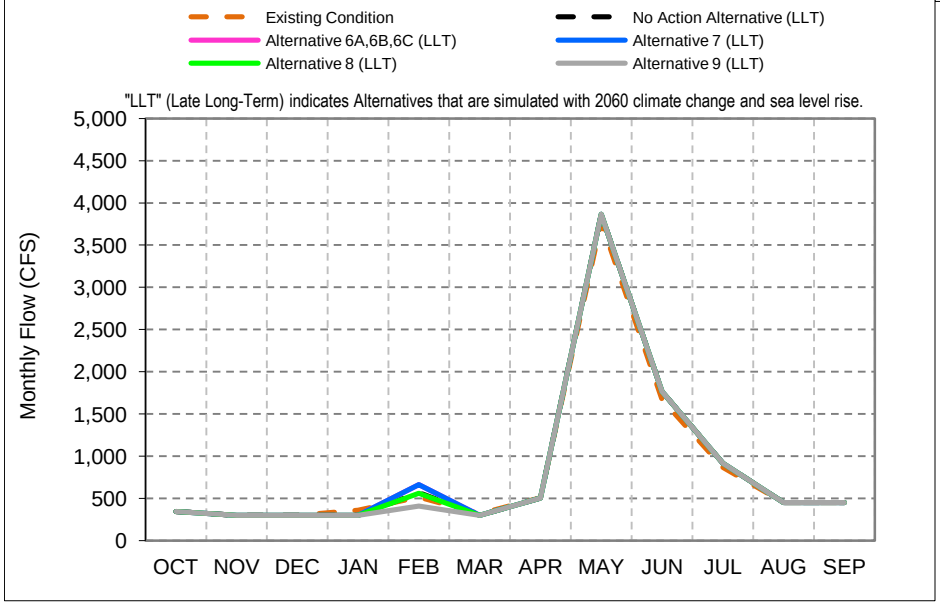
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*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





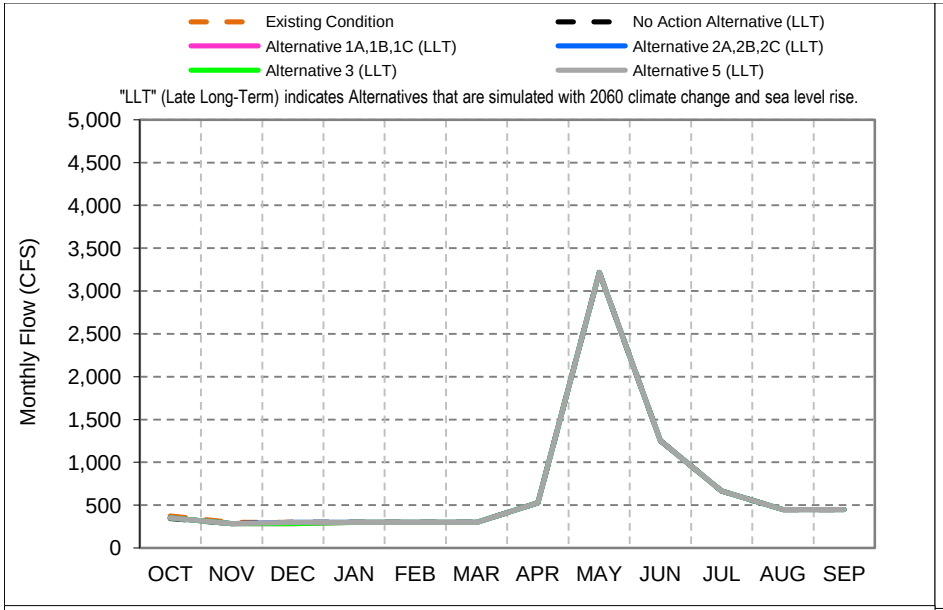


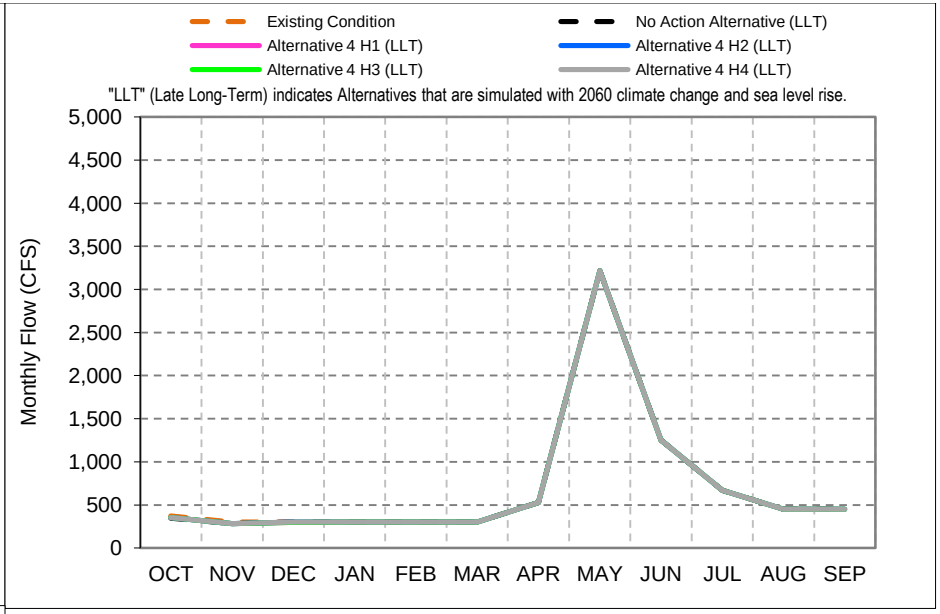
Alternative 4 Scenario Definitions:

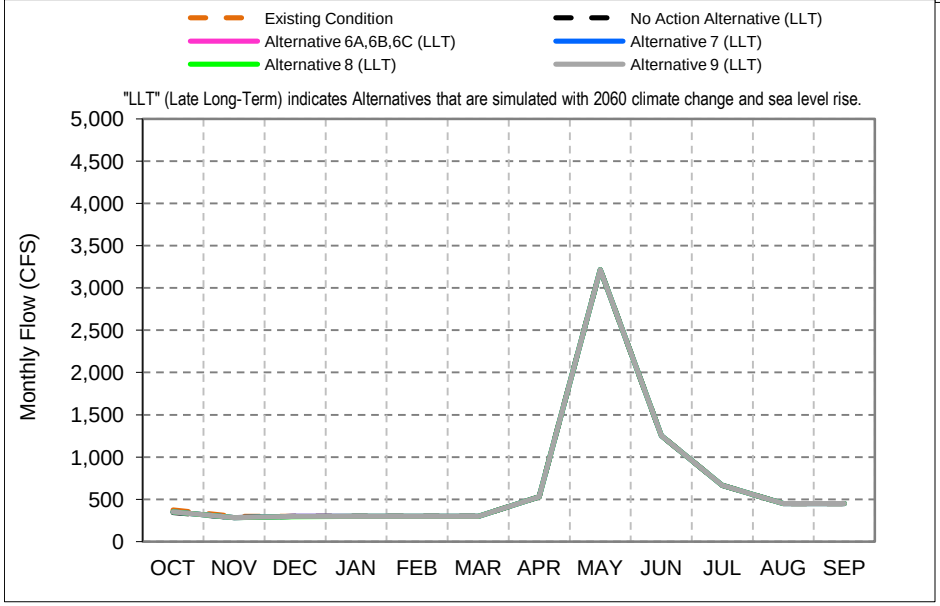
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*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





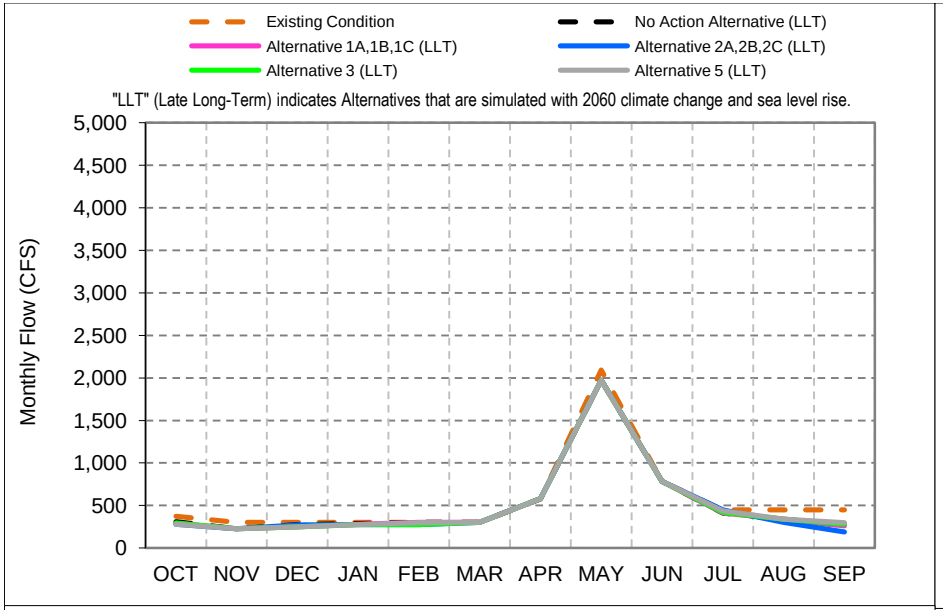


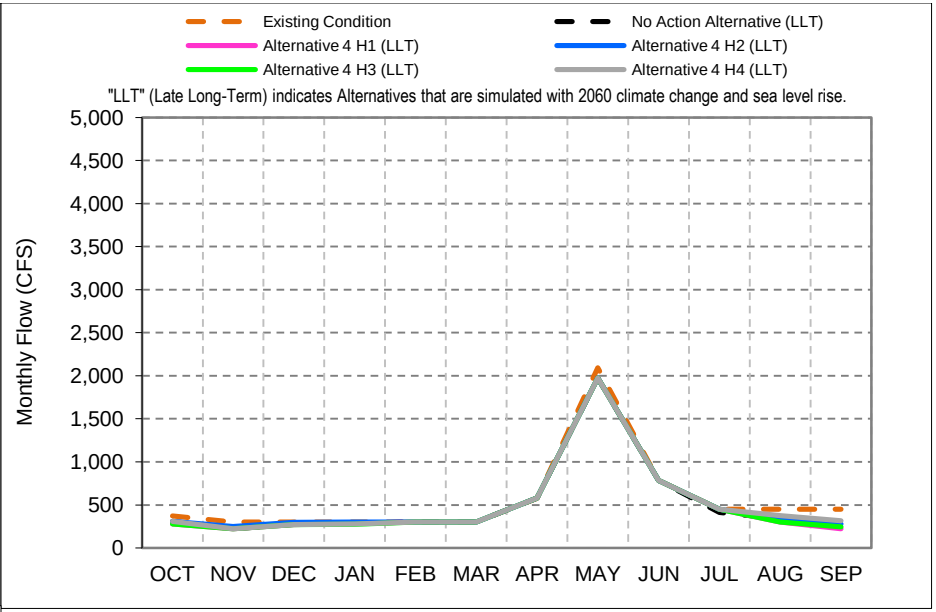
Alternative 4 Scenario Definitions:

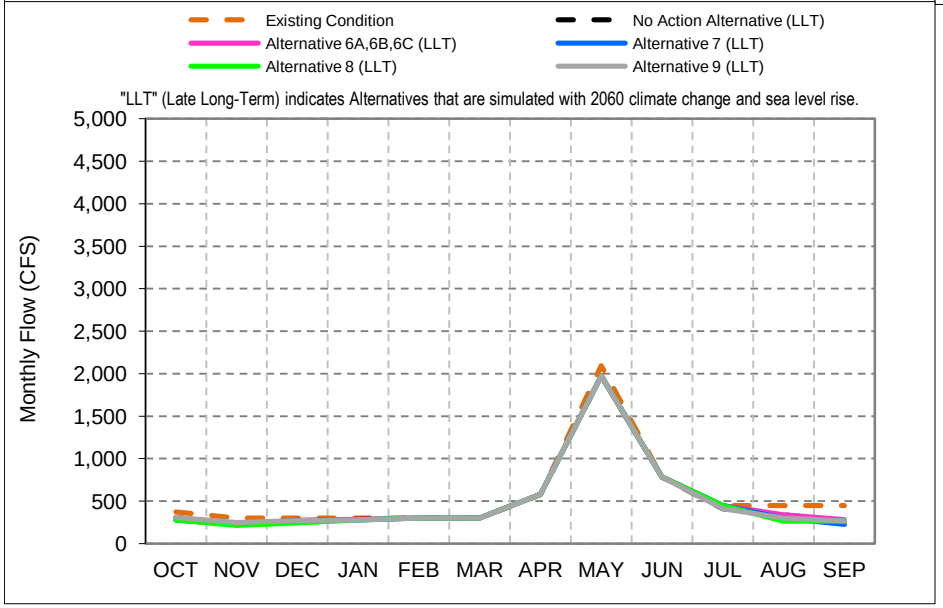
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*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)

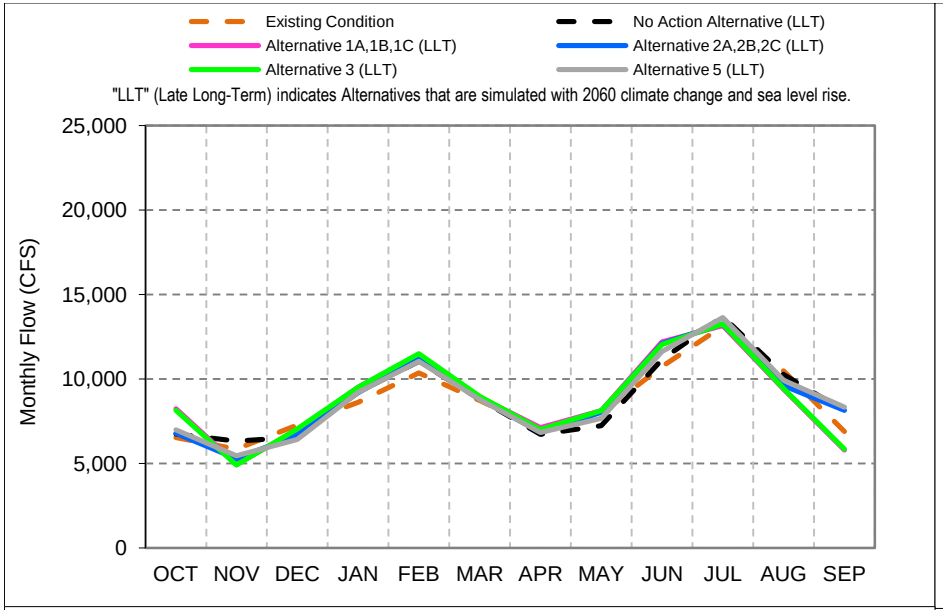
	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	0	-233	-113	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	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

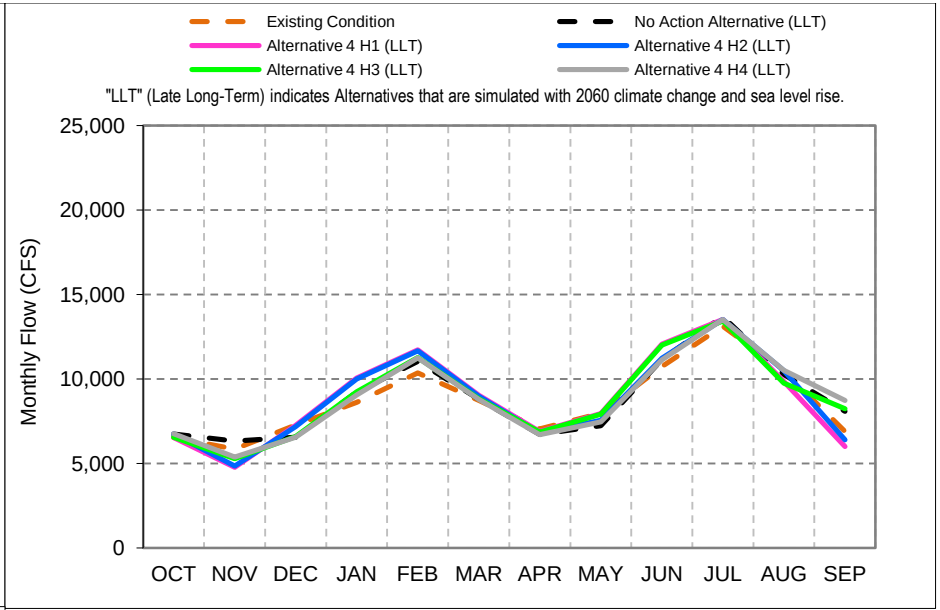
Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

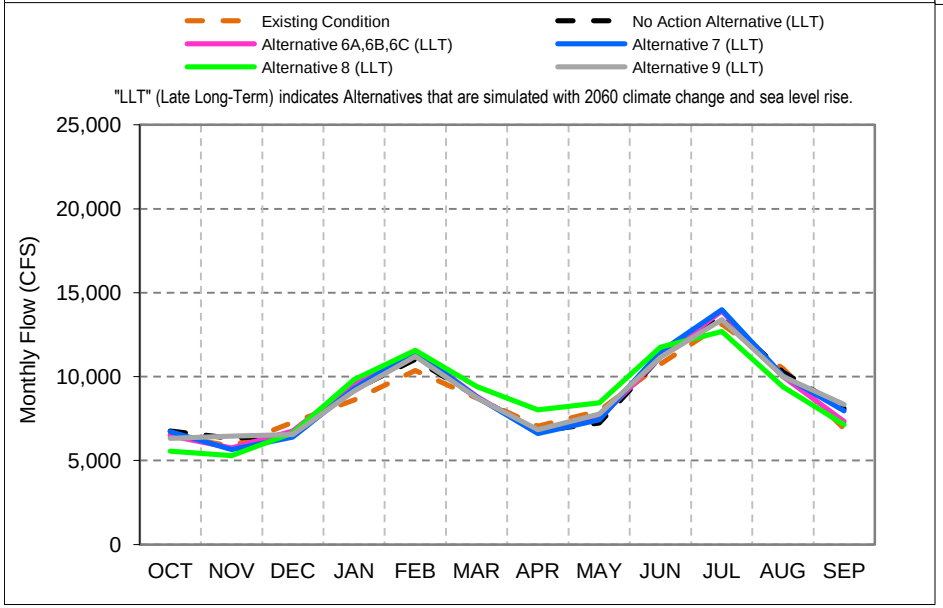
a Based on the 82-year simulation period

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



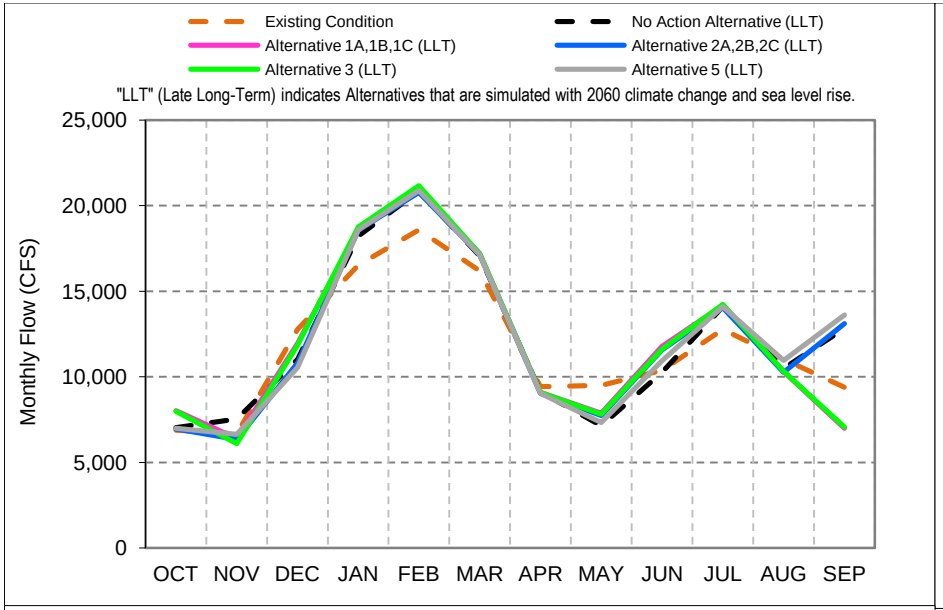


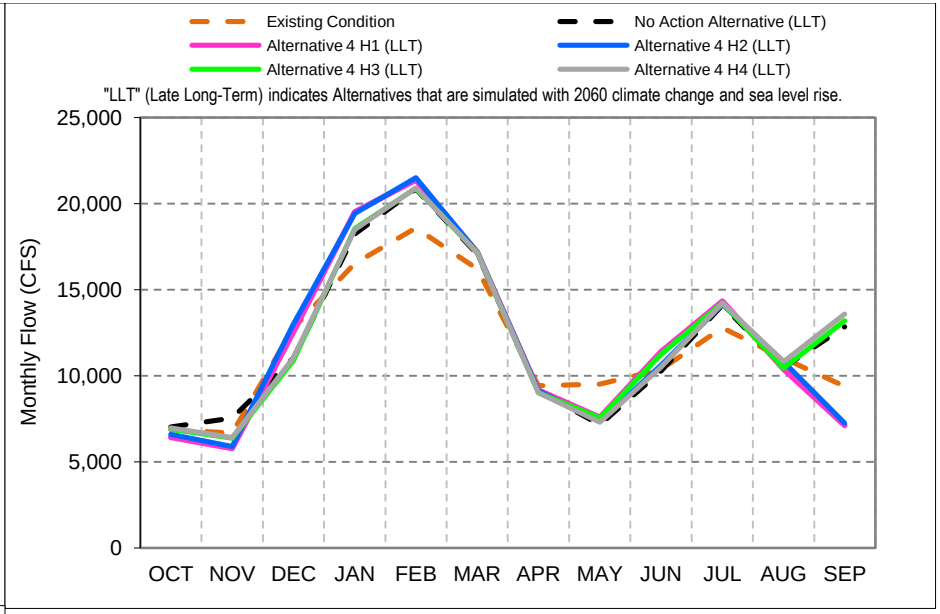


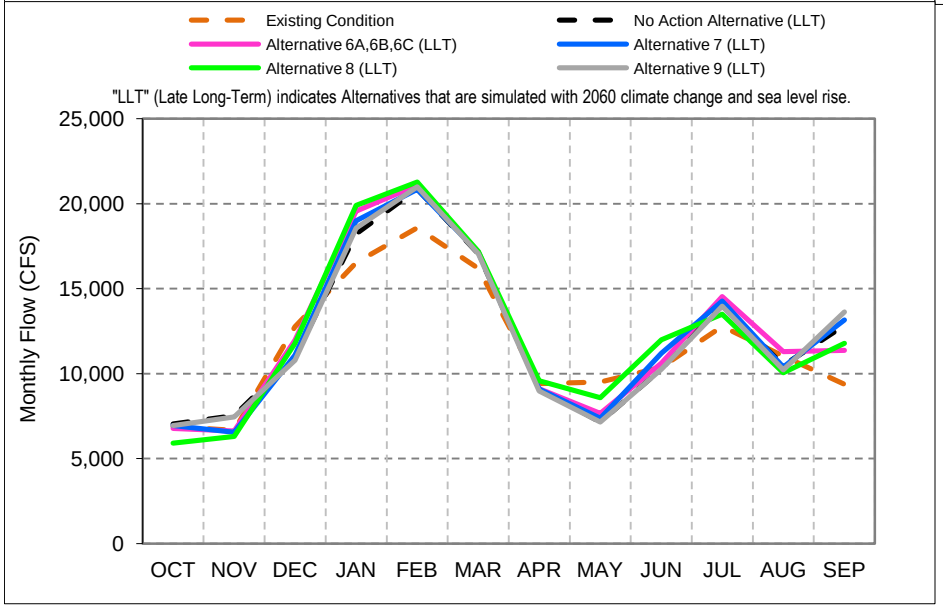
Alternative 4 Scenario Definitions:

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





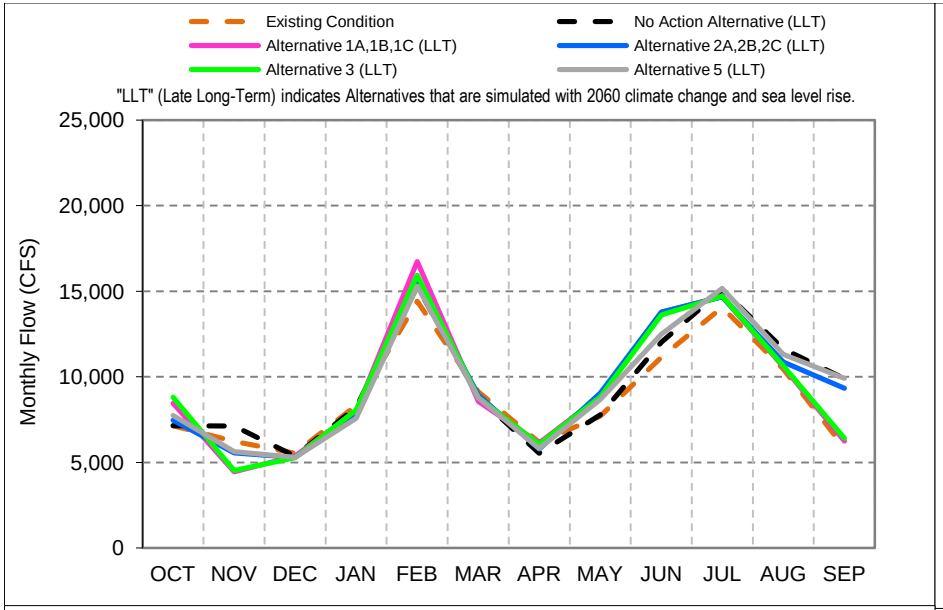


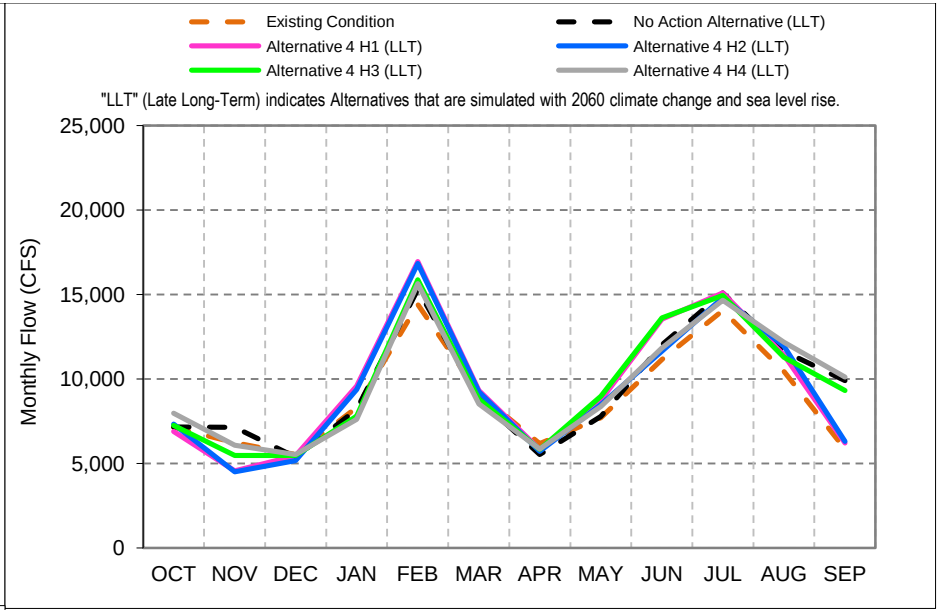
Alternative 4 Scenario Definitions:

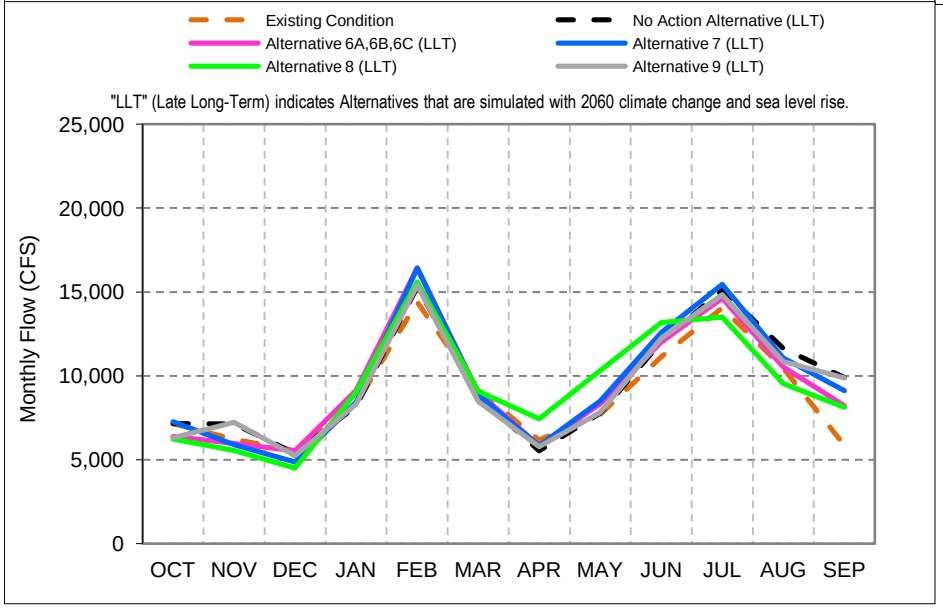
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*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





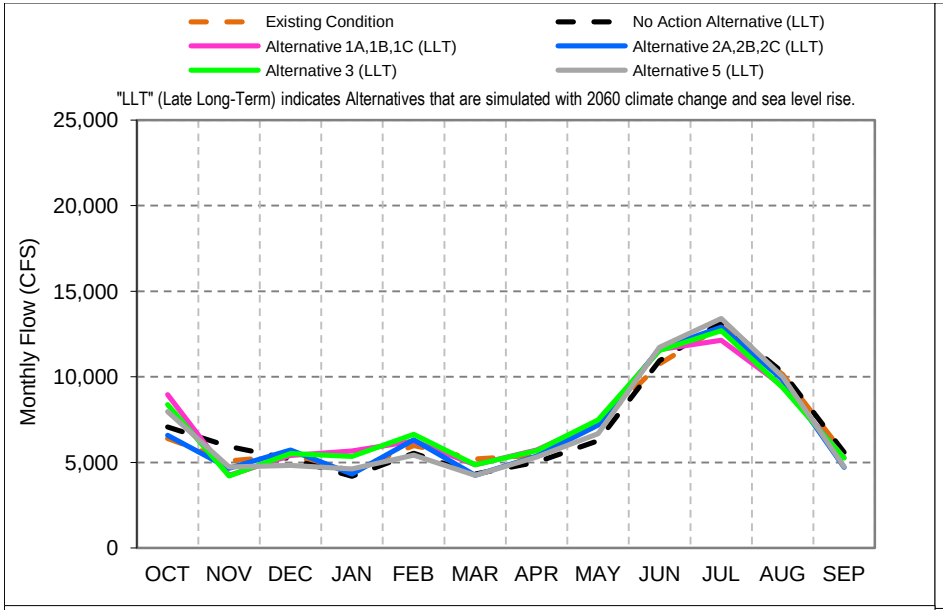


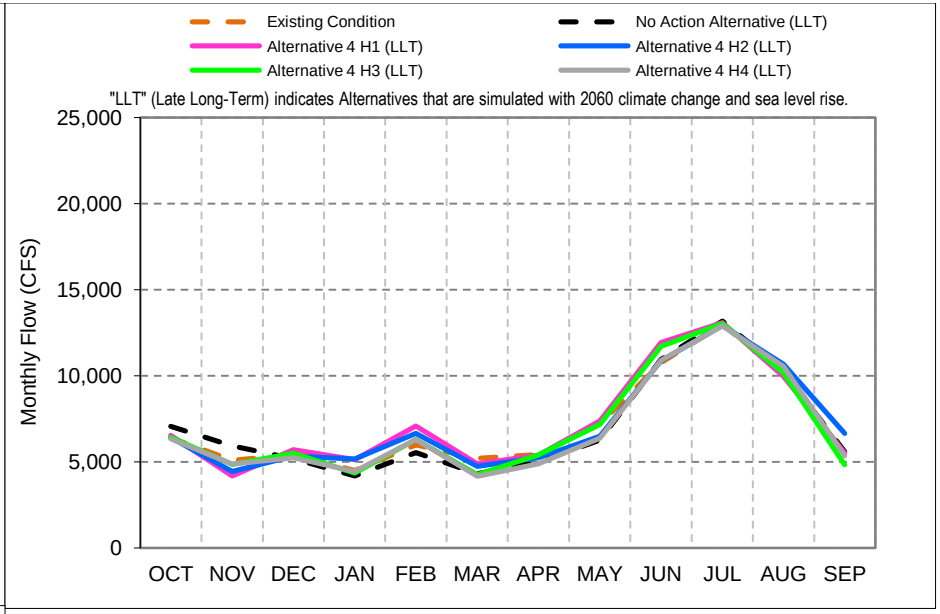
Alternative 4 Scenario Definitions:

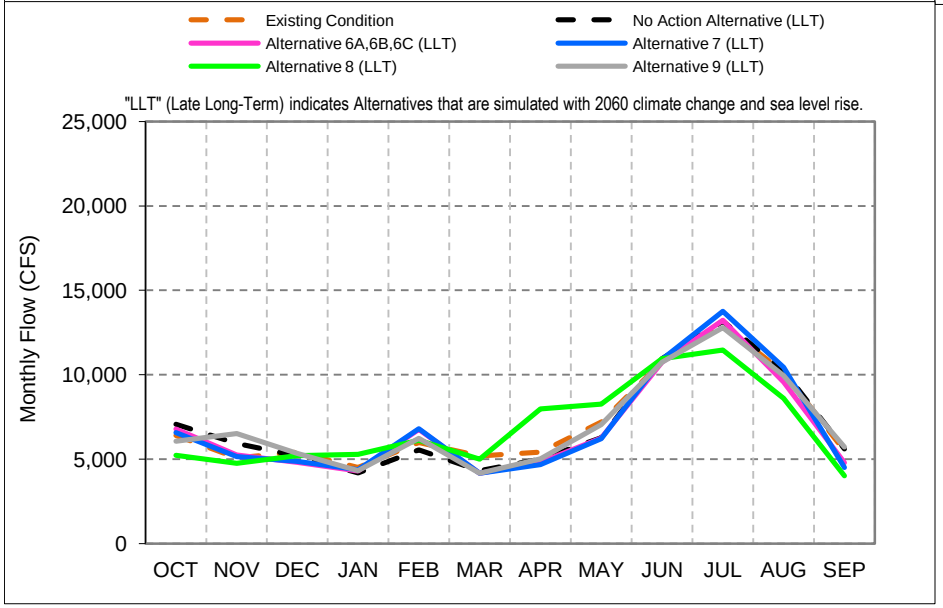
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*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





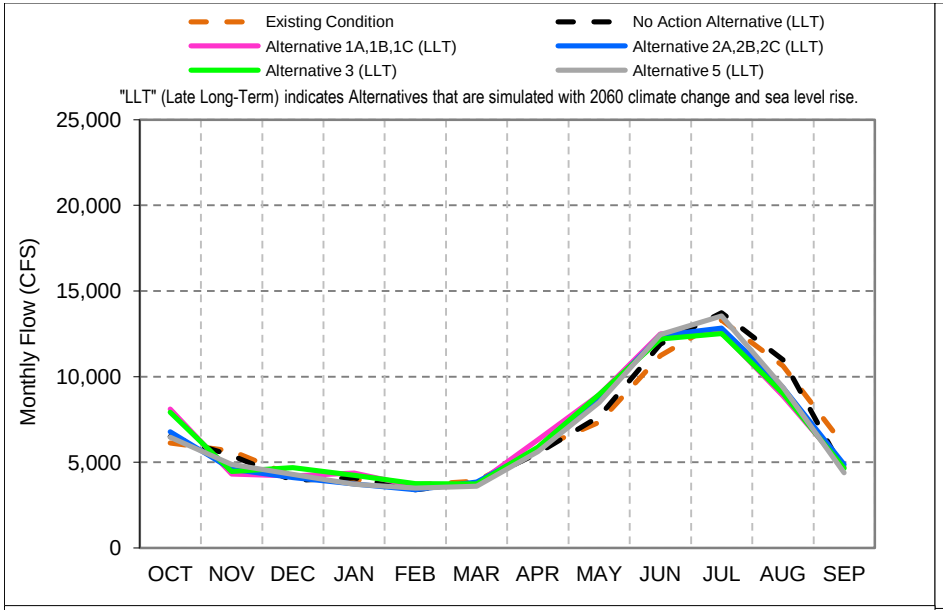


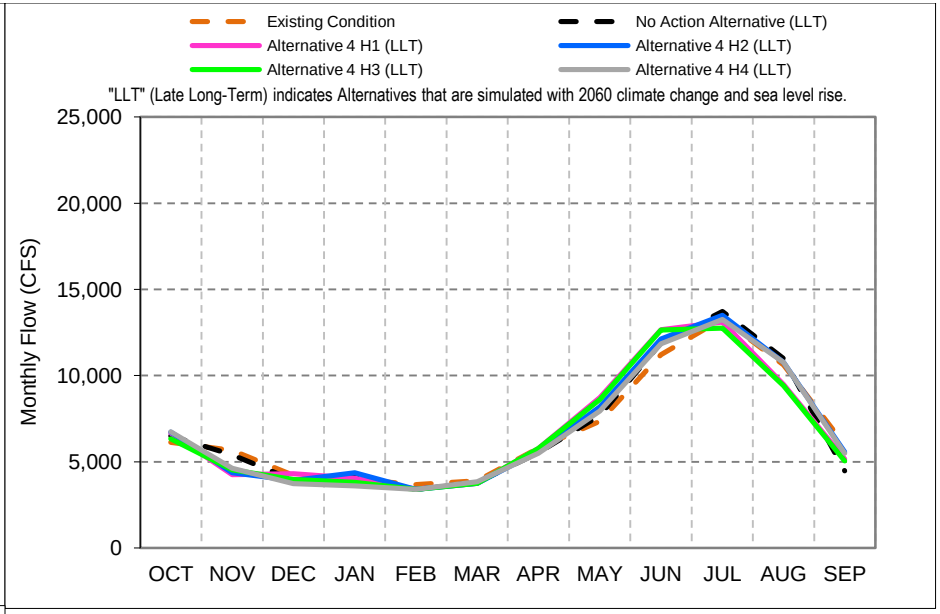
Alternative 4 Scenario Definitions:

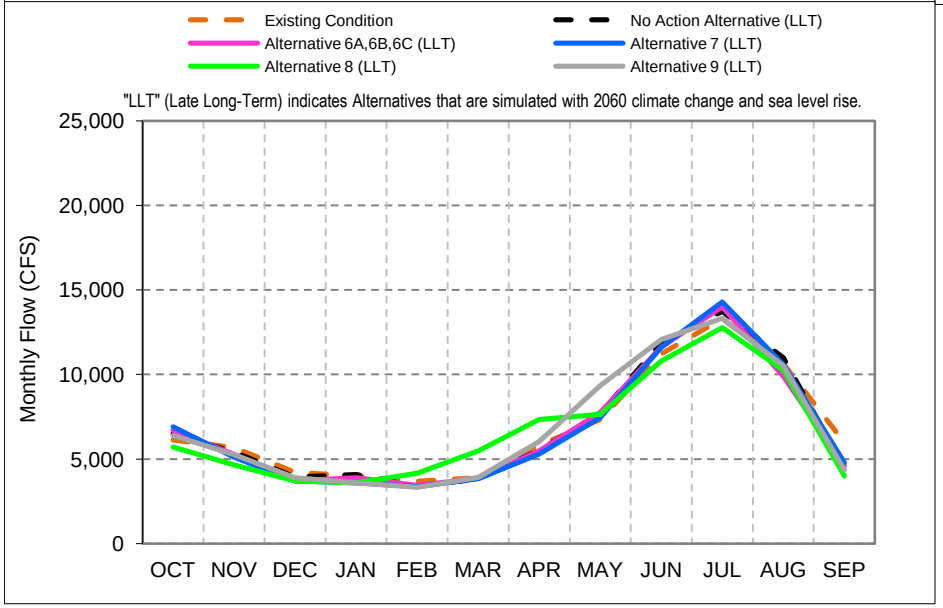
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*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





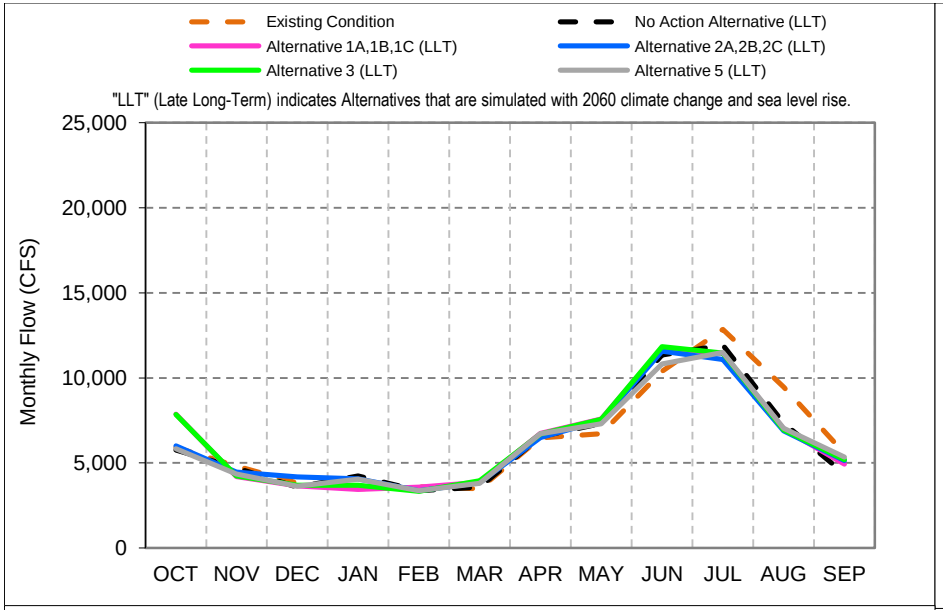


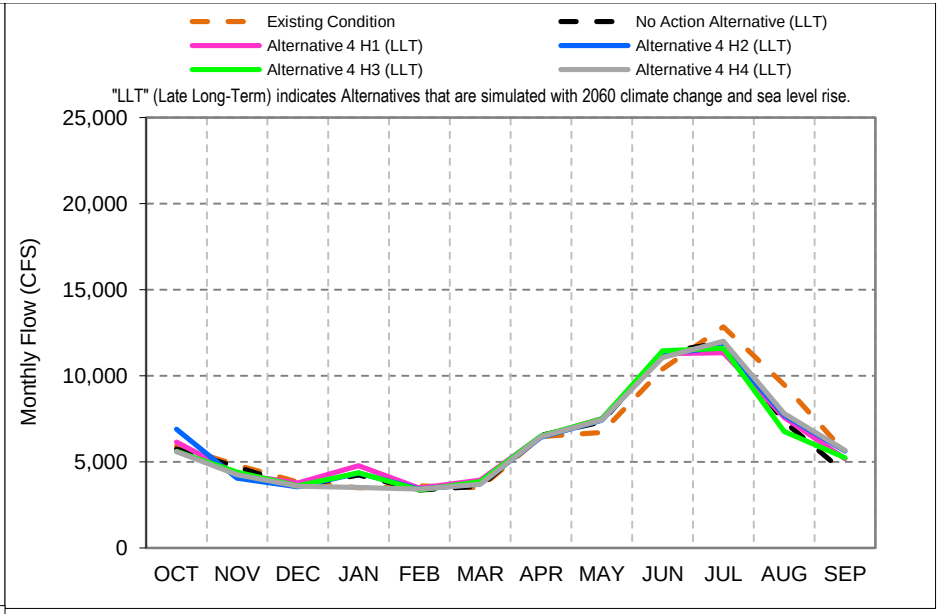
Alternative 4 Scenario Definitions:

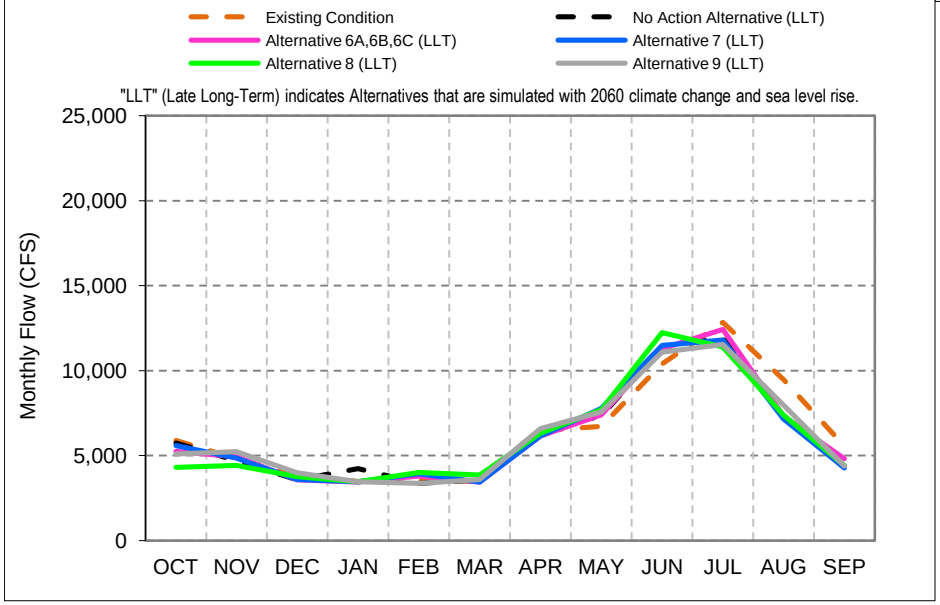
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*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

	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 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 Existing Condition

	Monthly Flow (CFS)											
Statistic	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)

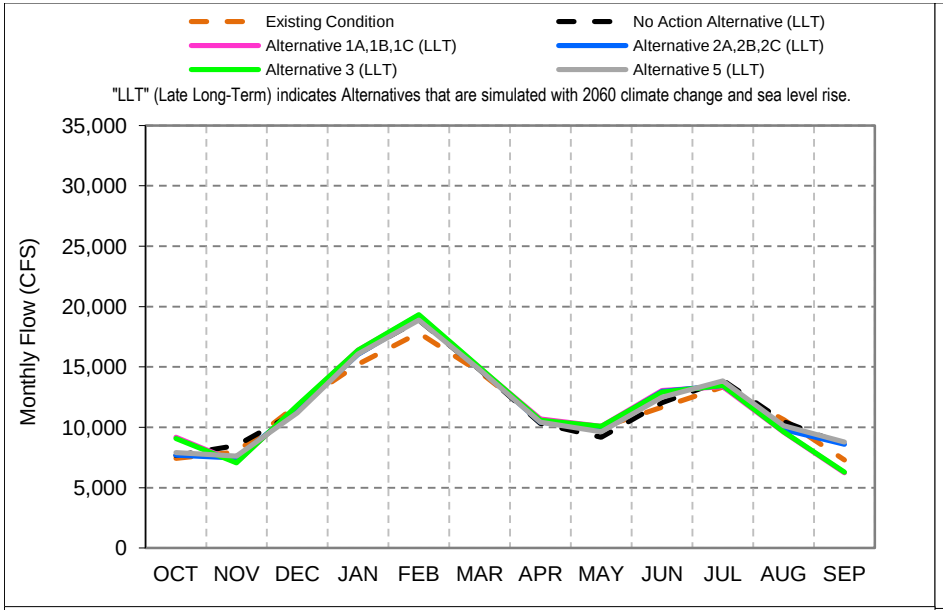
	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-486	206	-38	4	50	0	410	680	371	112	164	186
20%	-751	-279	-564	1,427	0	-416	615	1,186	634	0	-477	949
30%	-761	120	-164	-1,209	1,287	316	500	805	39	0	-552	792
40%	-485	14	-5	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

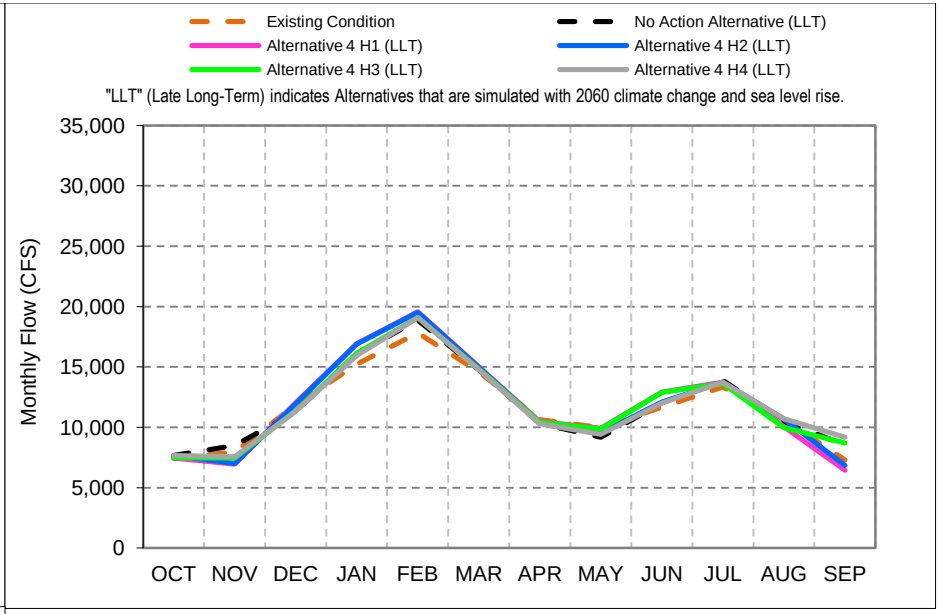
Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

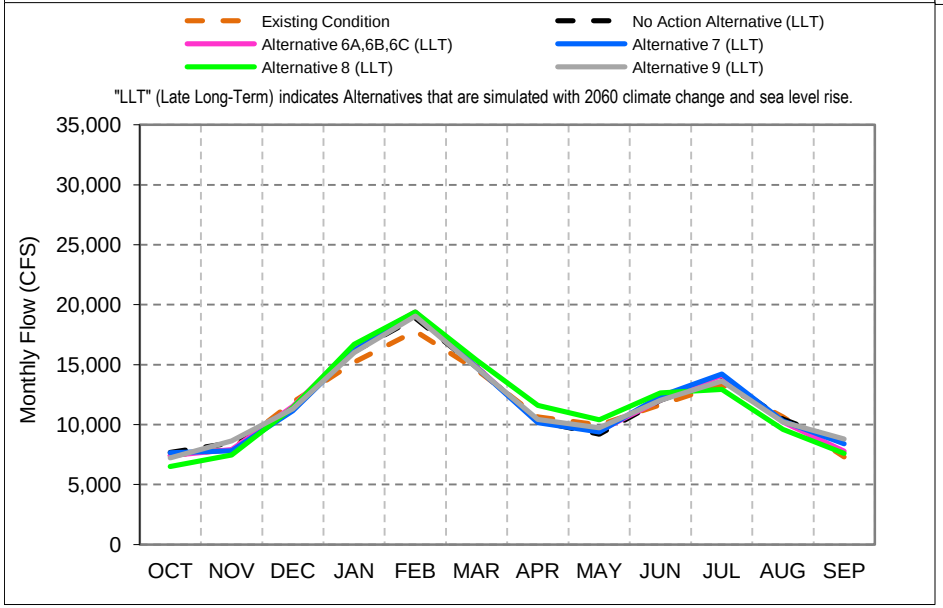
a Based on the 82-year simulation period

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



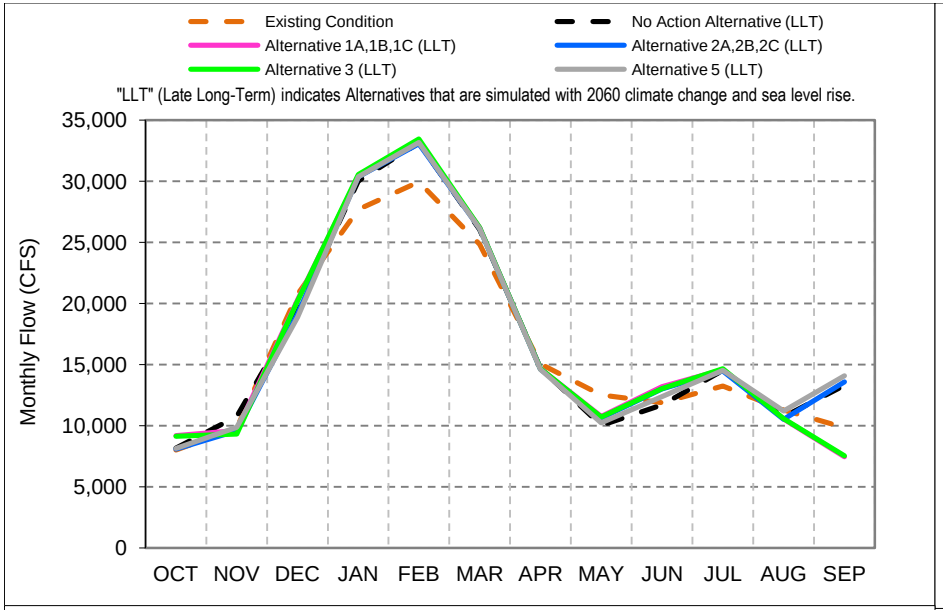


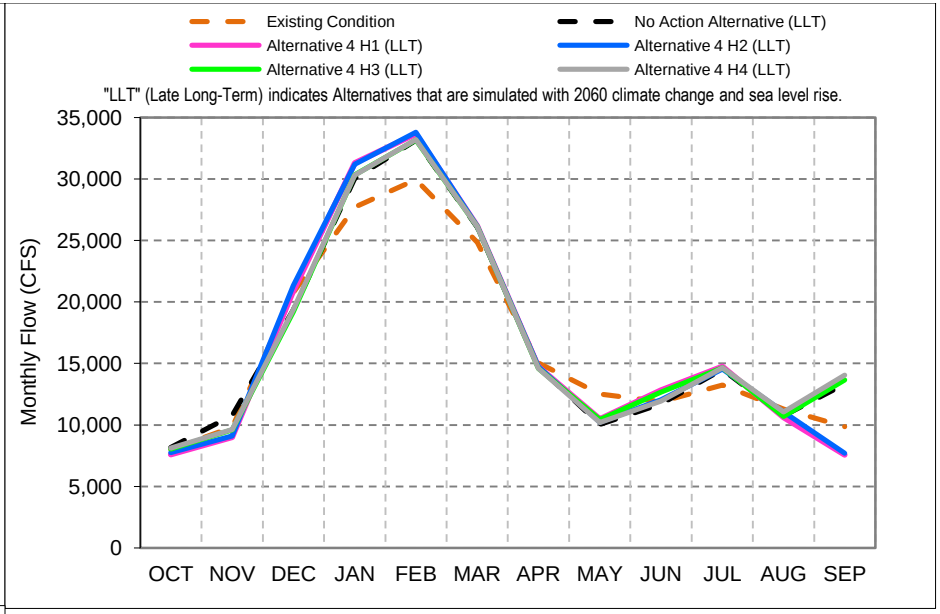


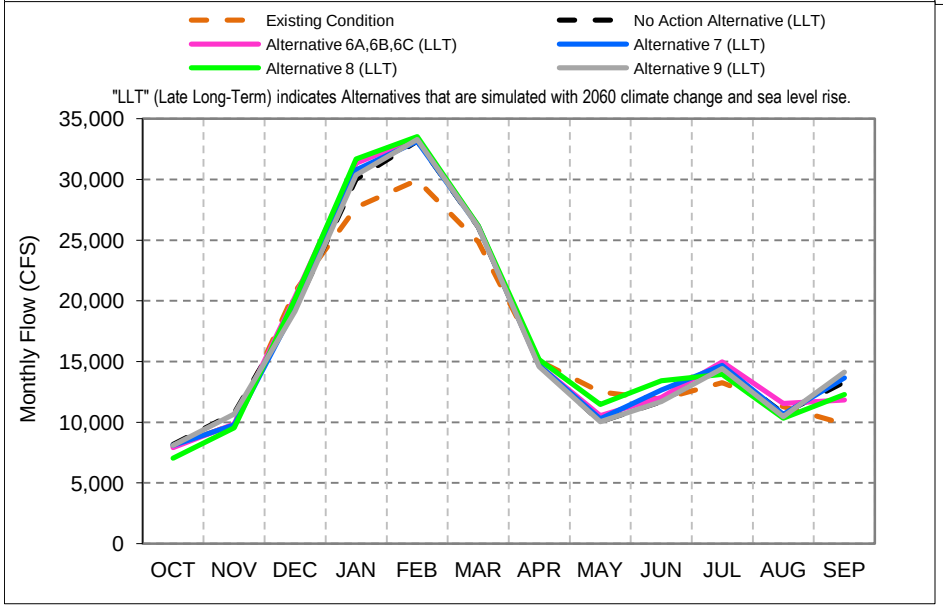
Alternative 4 Scenario Definitions:

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





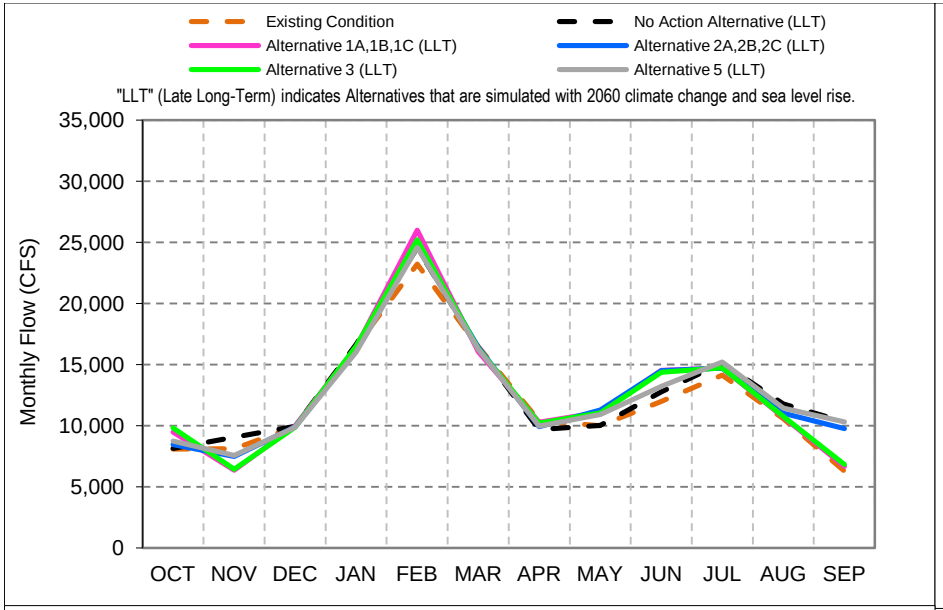


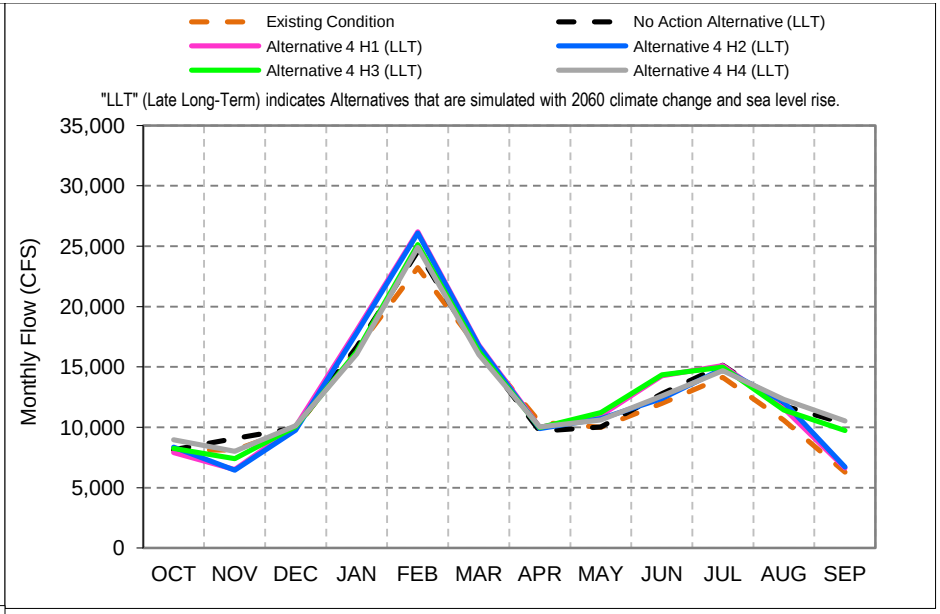
Alternative 4 Scenario Definitions:

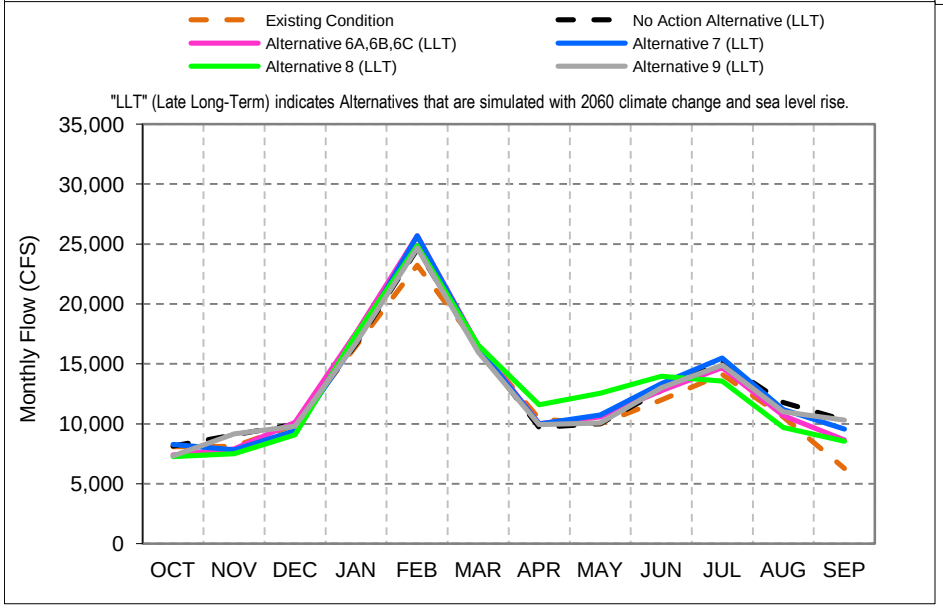
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*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





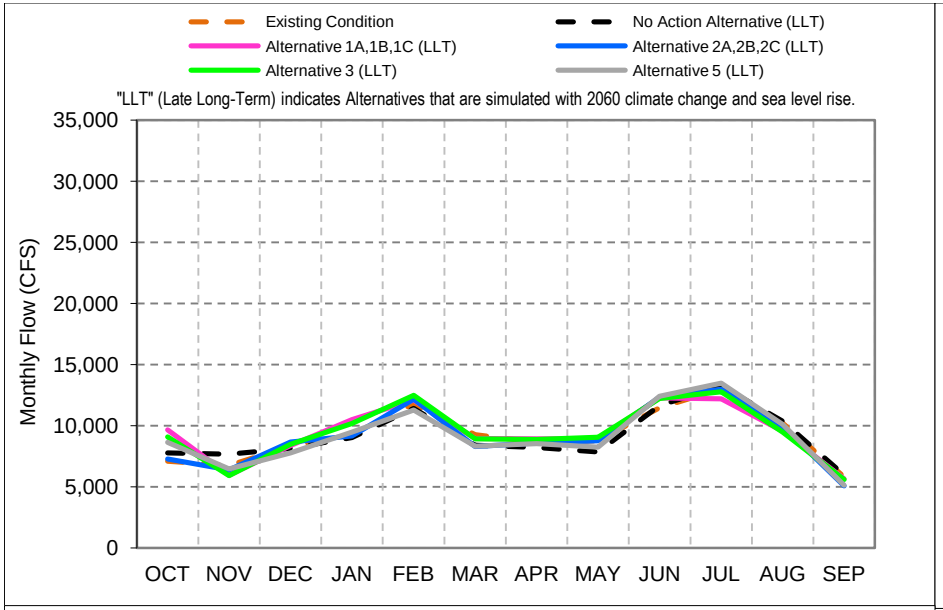


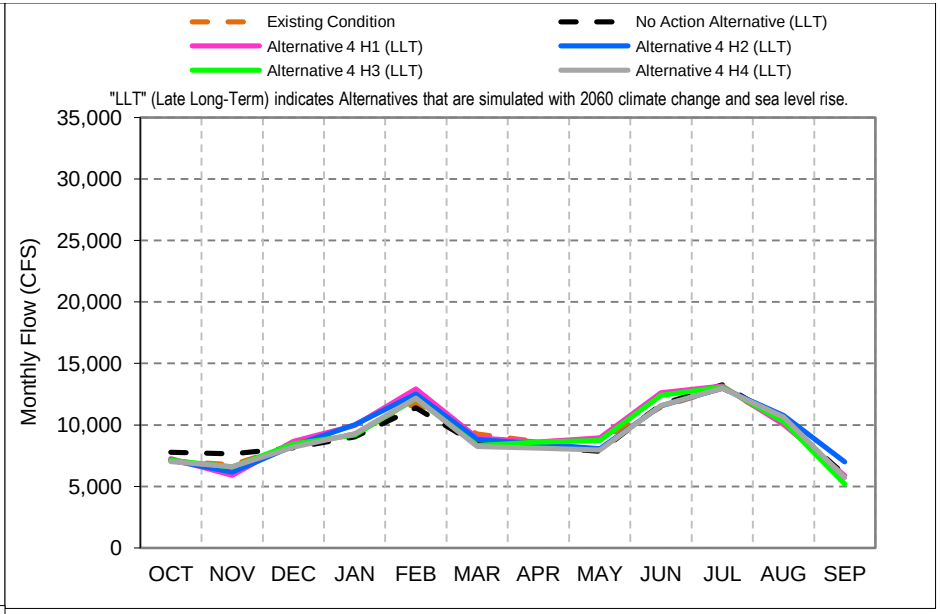
Alternative 4 Scenario Definitions:

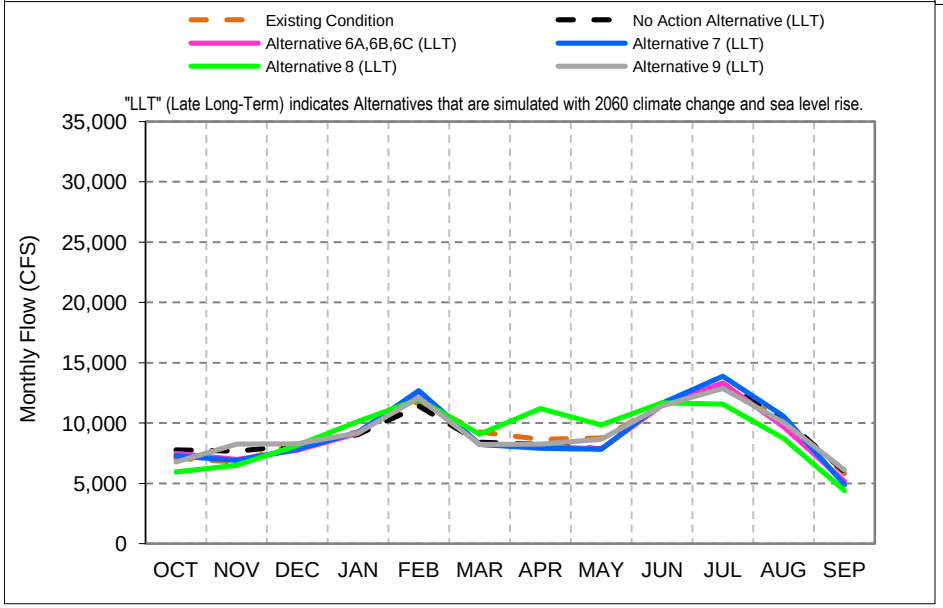
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*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





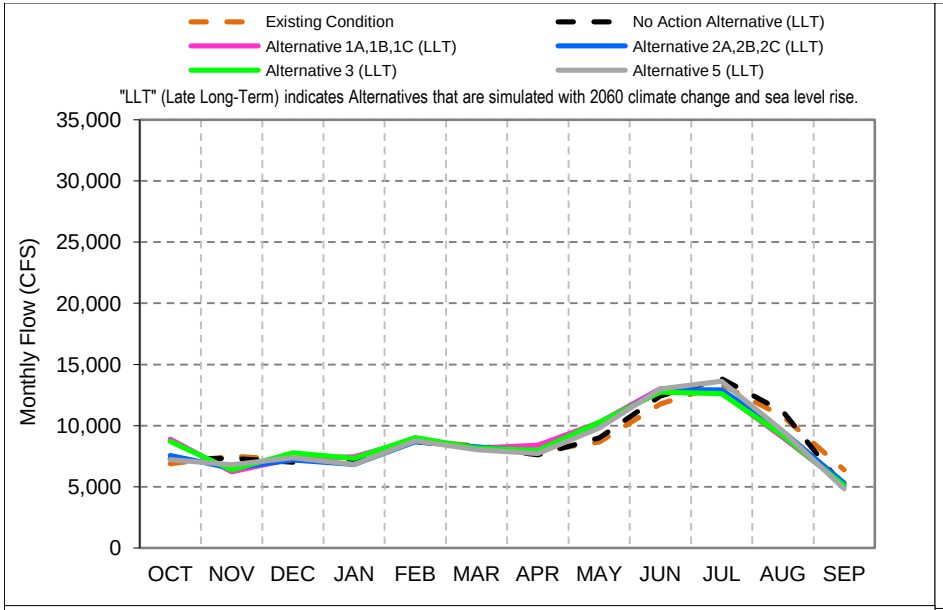


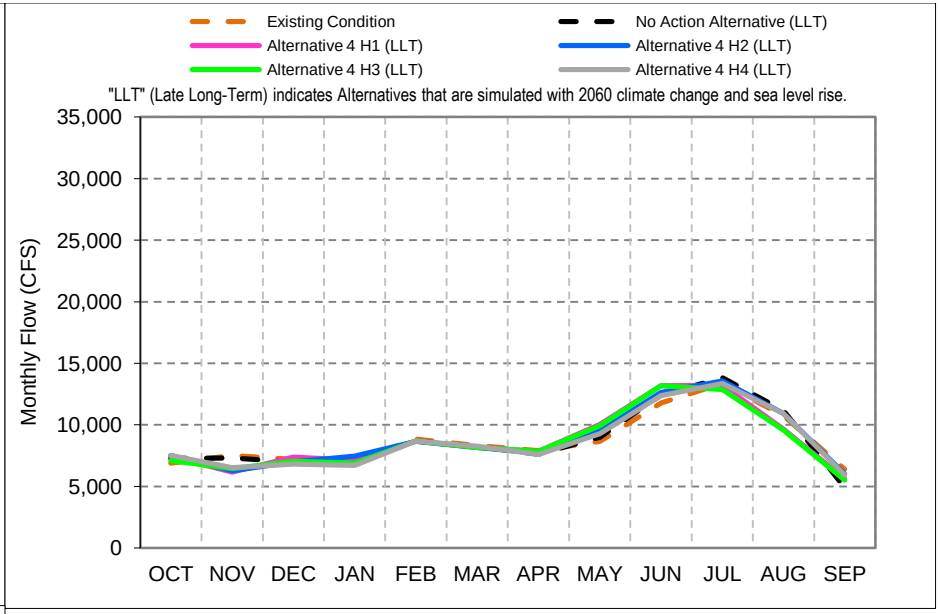
Alternative 4 Scenario Definitions:

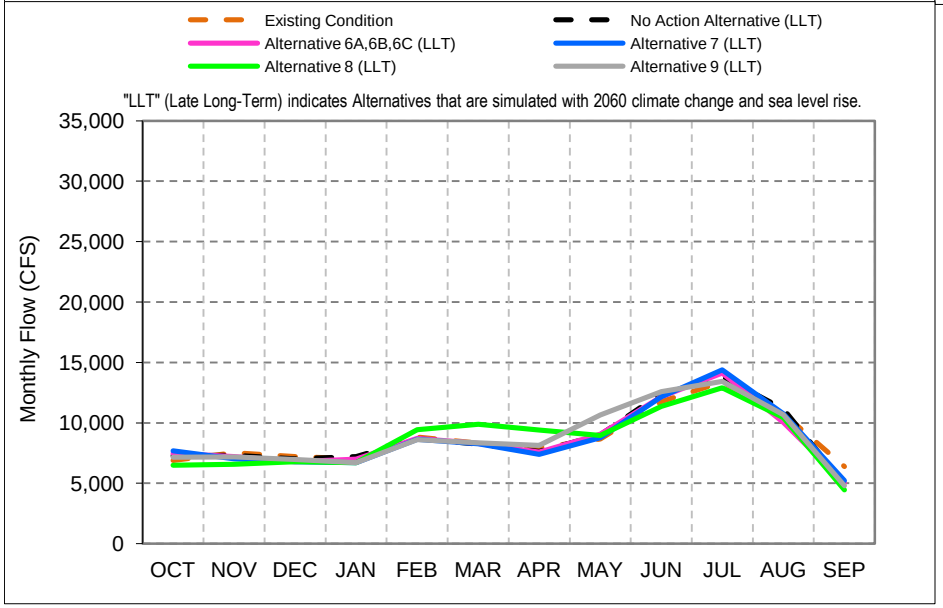
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*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





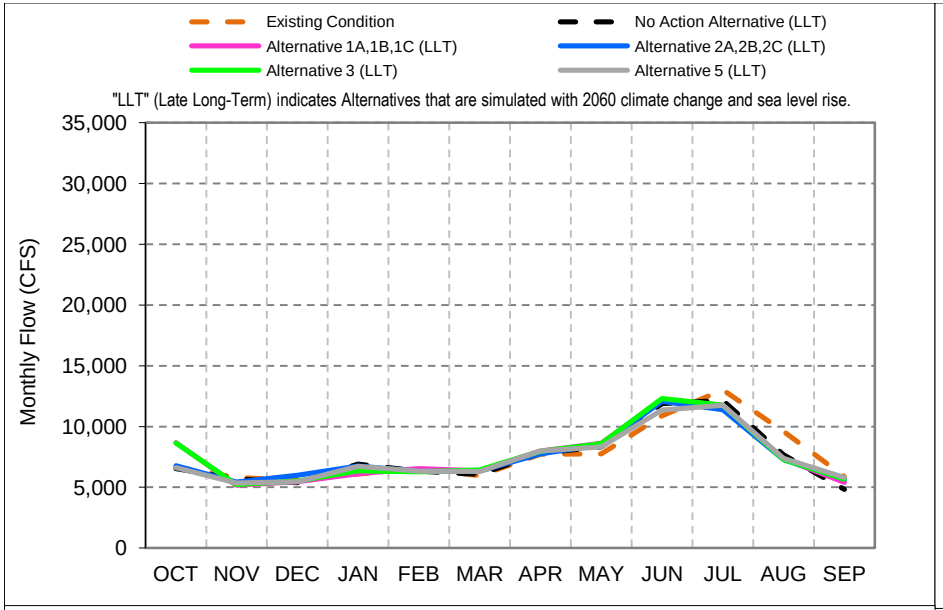


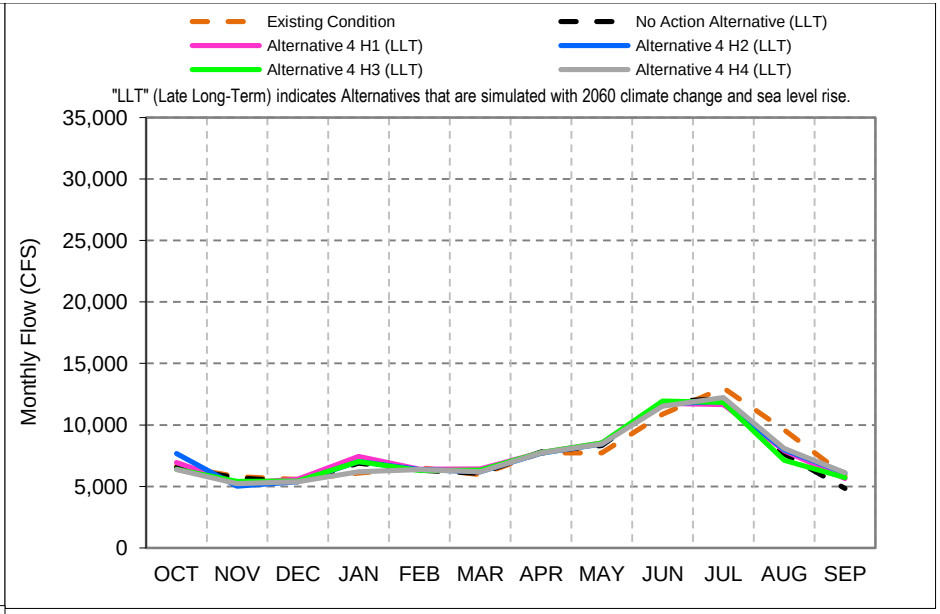
Alternative 4 Scenario Definitions:

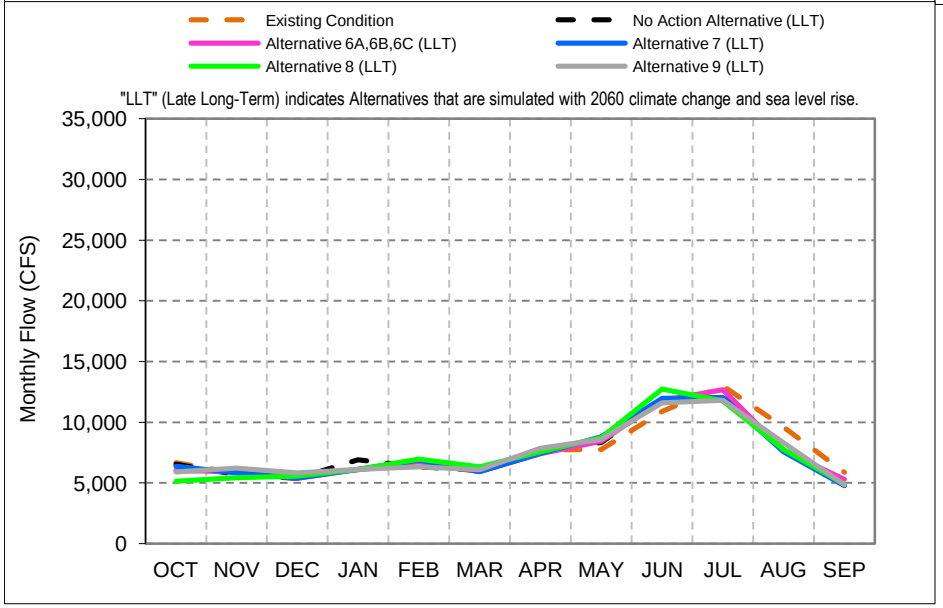
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*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

	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

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

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%	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

	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 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 Existing Condition

	Monthly Flow (CFS)											
Statistic	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

	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 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 Existing Condition

	Monthly Flow (CFS)											
Statistic	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)

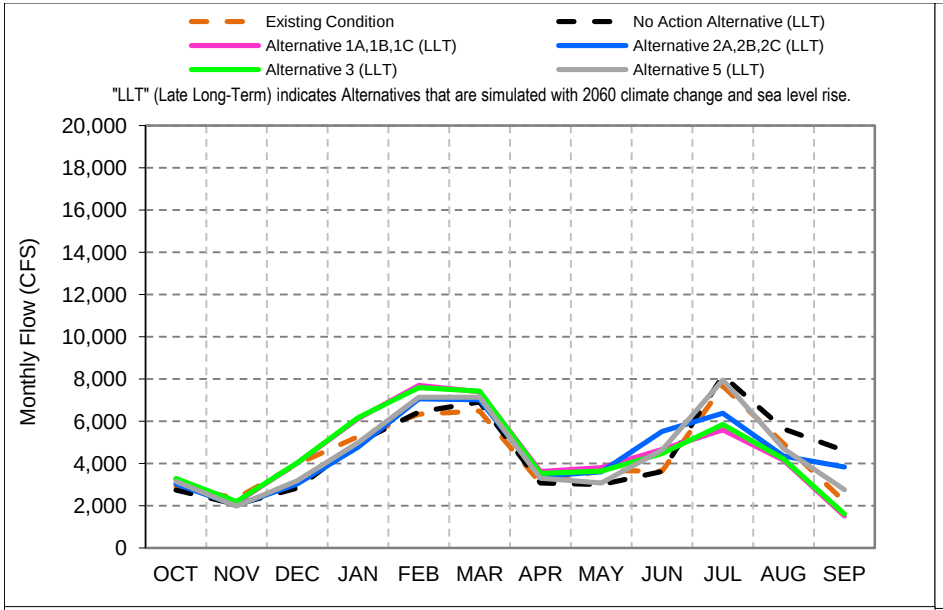
	Monthly Flow (CFS)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-887	92	286	4,007	1,516	16	6	761	344	-116	-31	210
20%	-697	-53	-92	740	180	-128	180	802	457	1	-412	840
30%	-496	388	-300	-32	1,261	-3	576	844	-205	-100	-498	901
40%	-653	43	-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

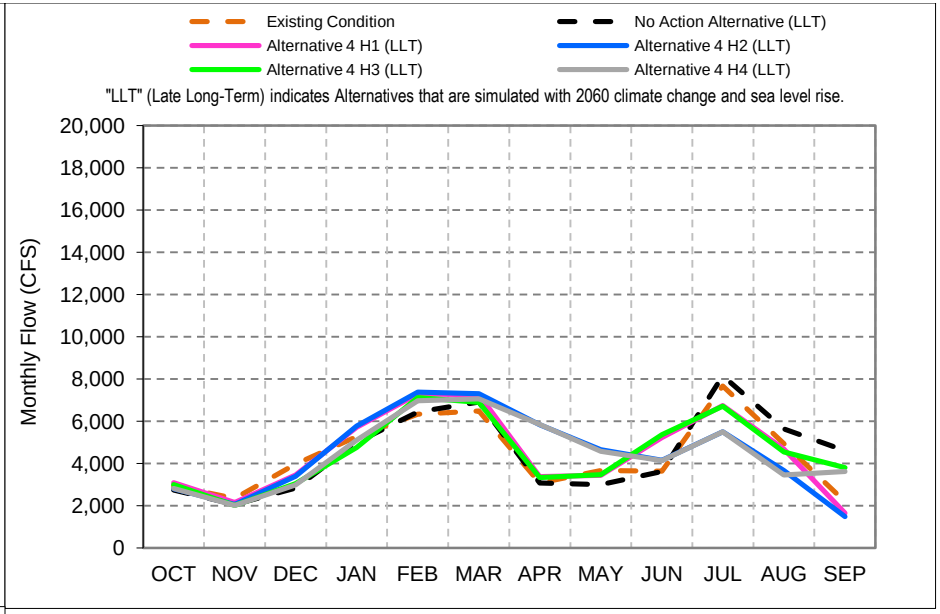
Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 climate change and sea level rise.

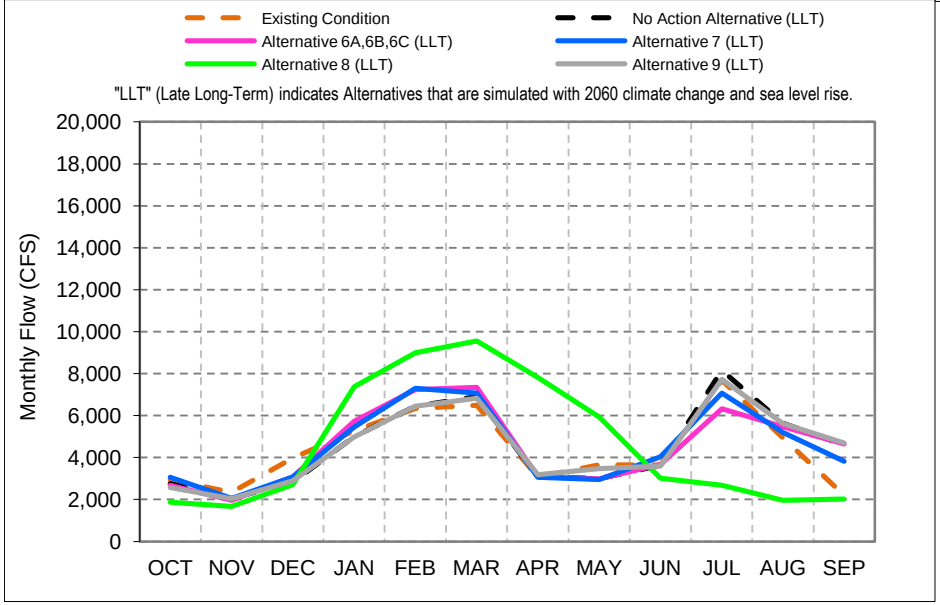
a Based on the 82-year simulation period

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



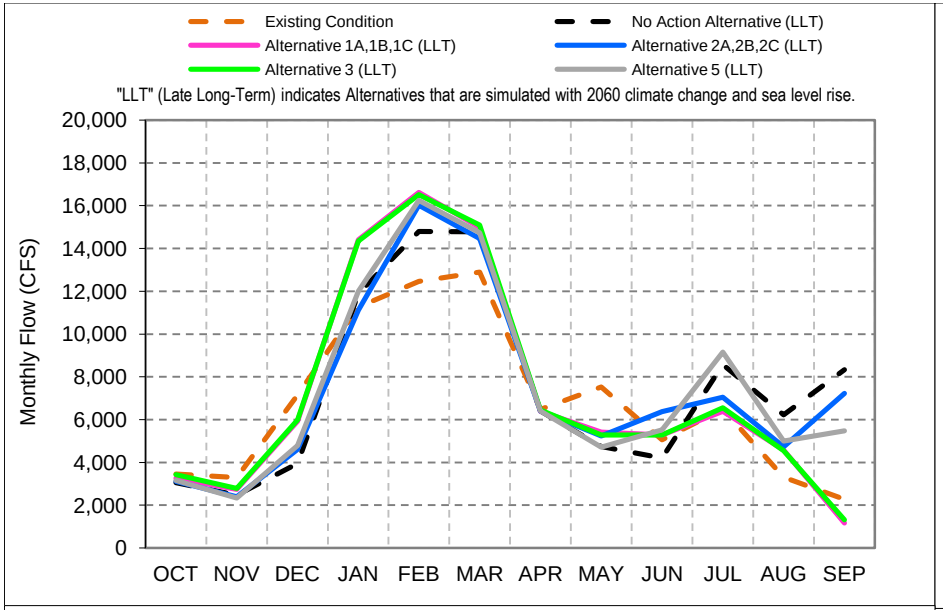


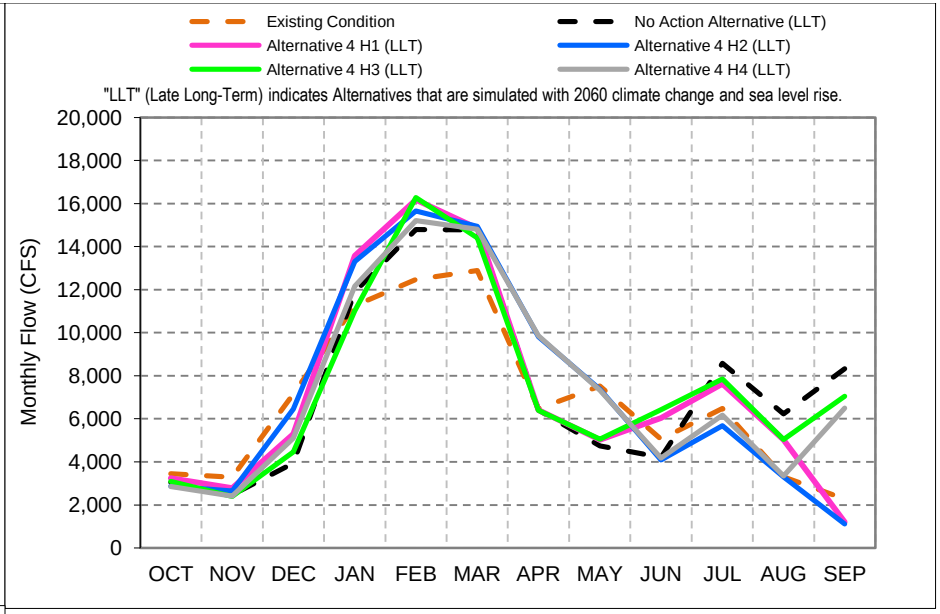


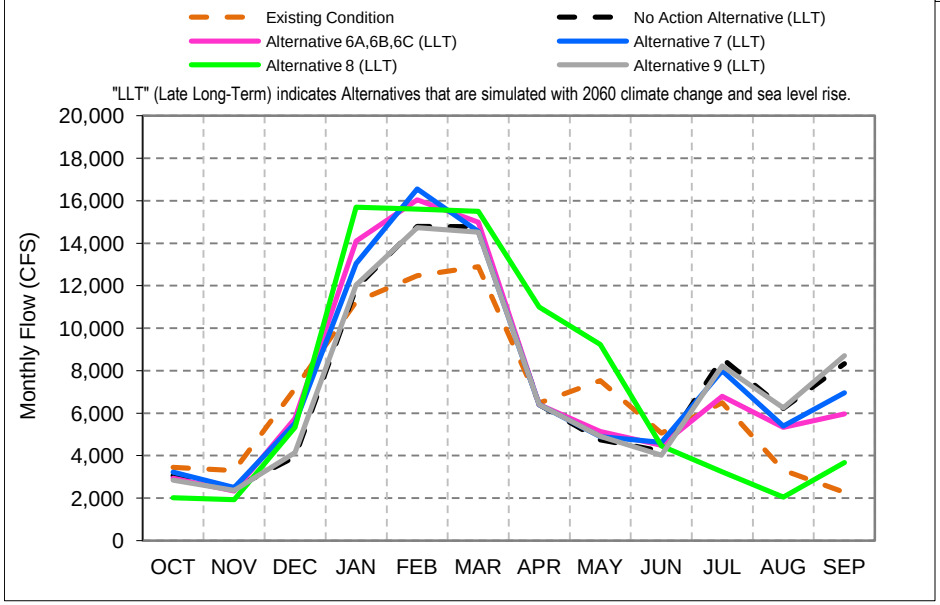
Alternative 4 Scenario Definitions:

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





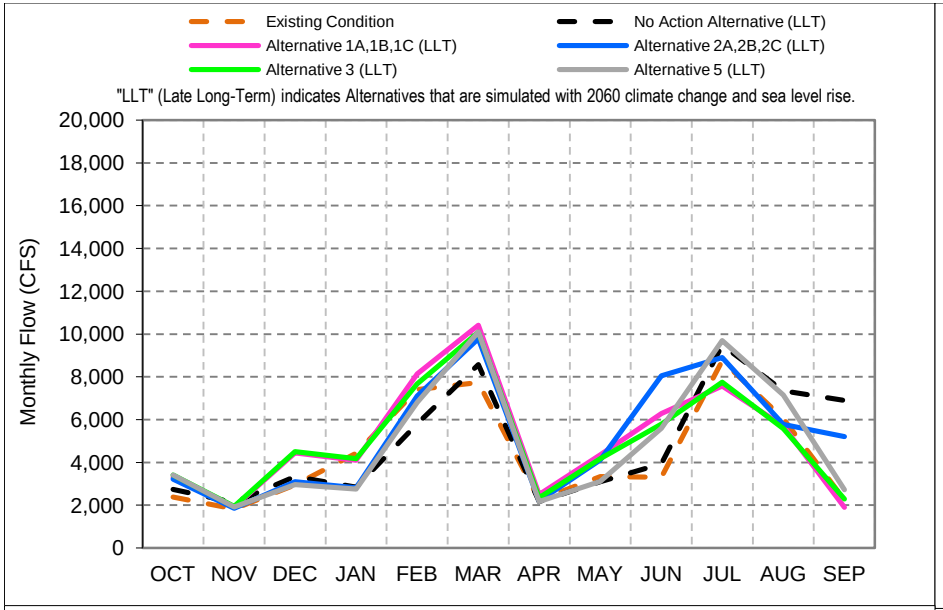


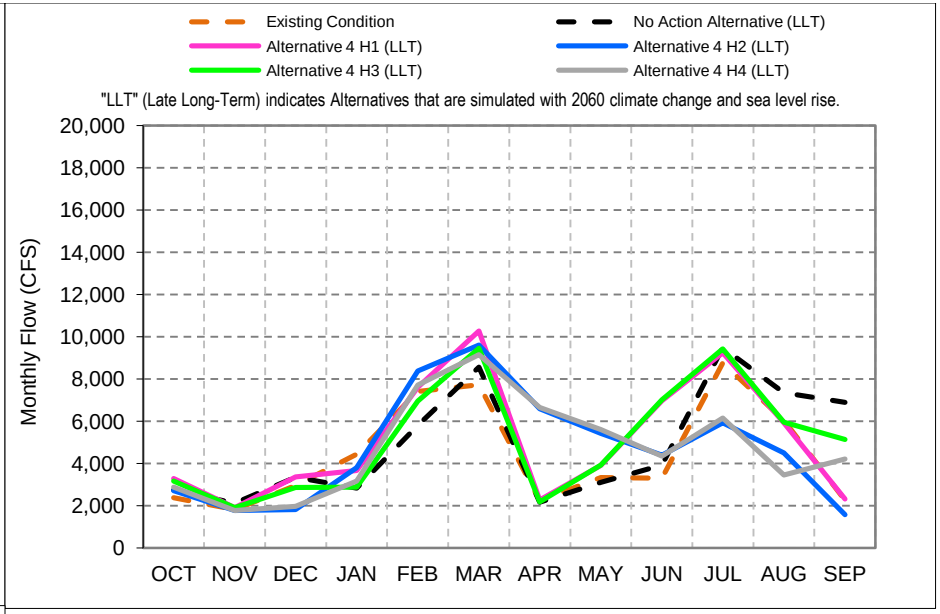
Alternative 4 Scenario Definitions:

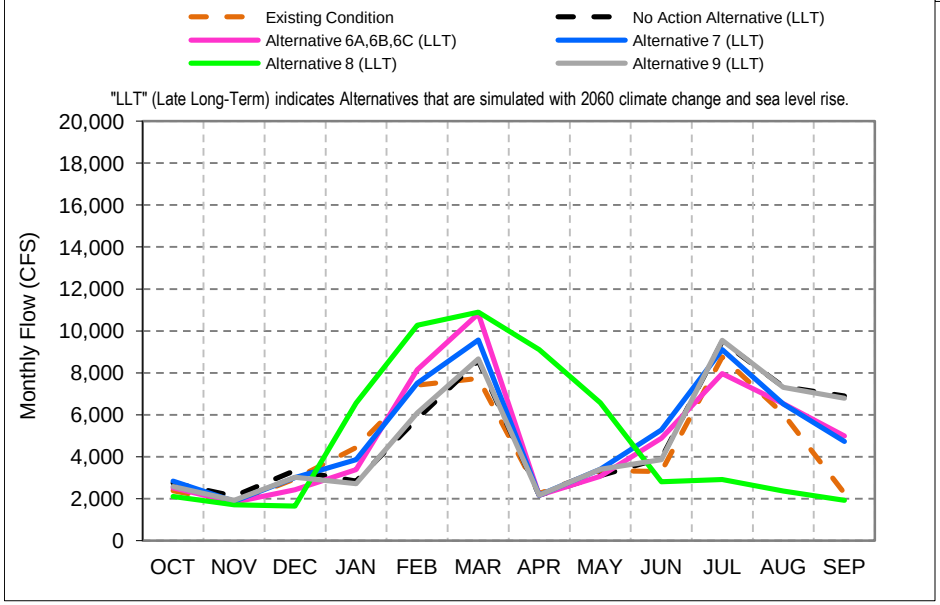
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*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





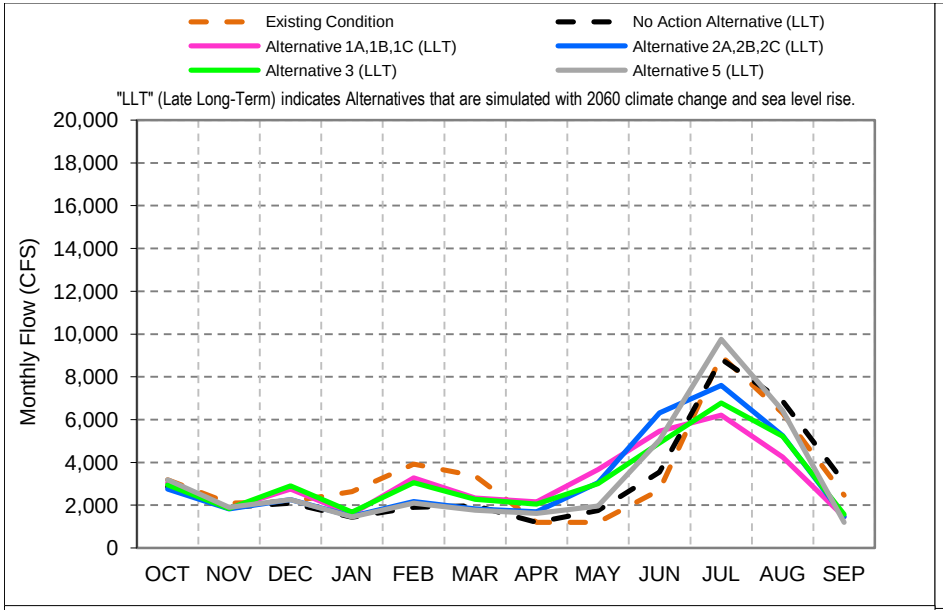


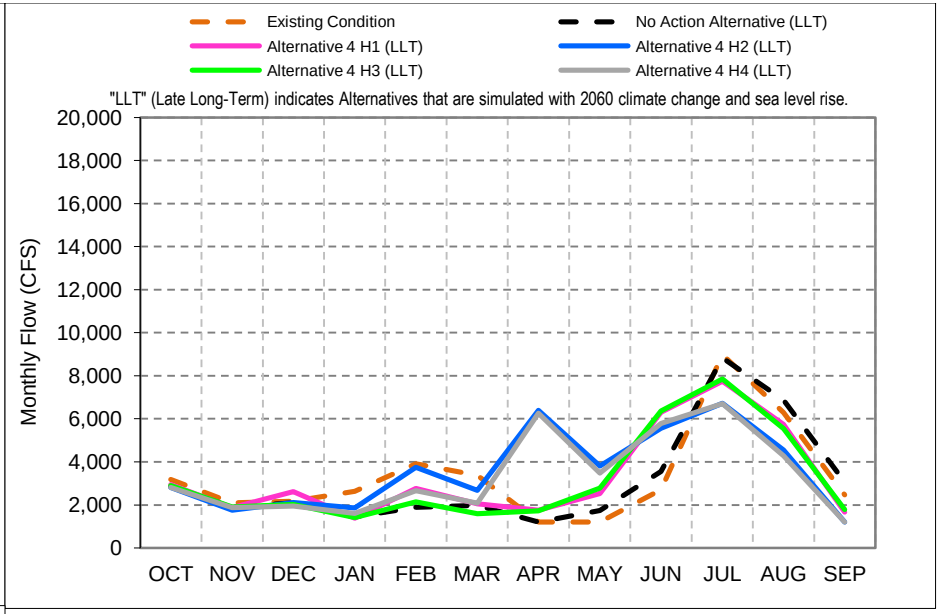
Alternative 4 Scenario Definitions:

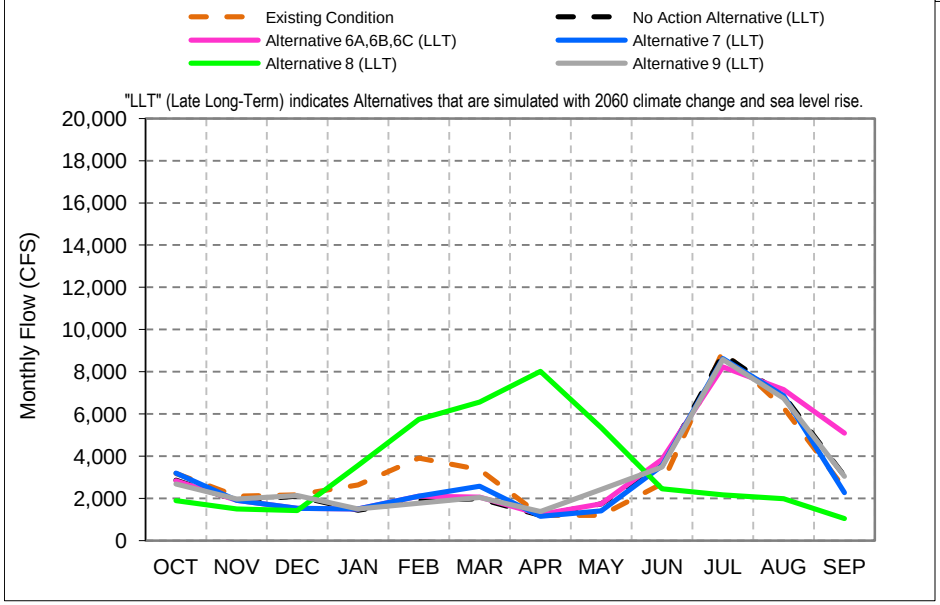
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*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





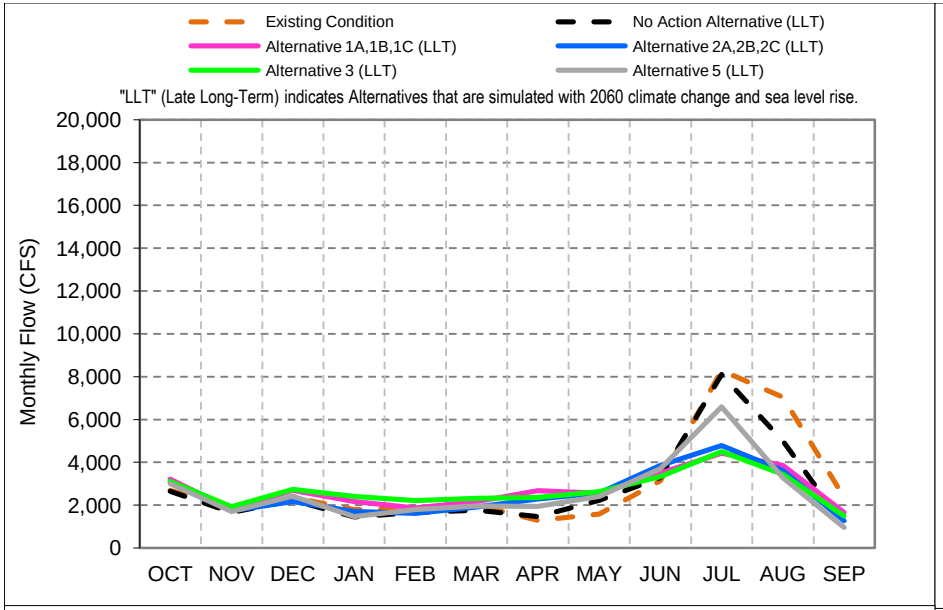


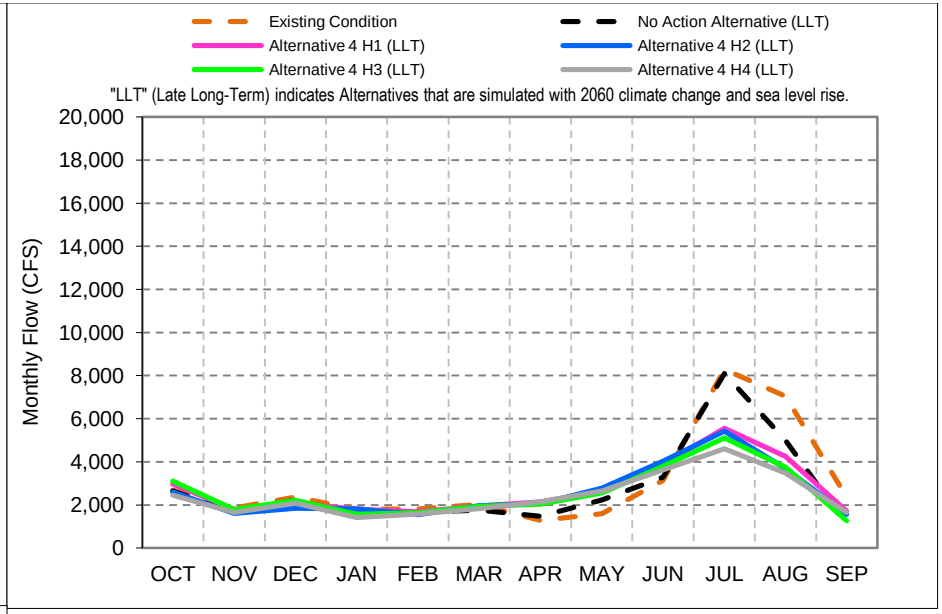
Alternative 4 Scenario Definitions:

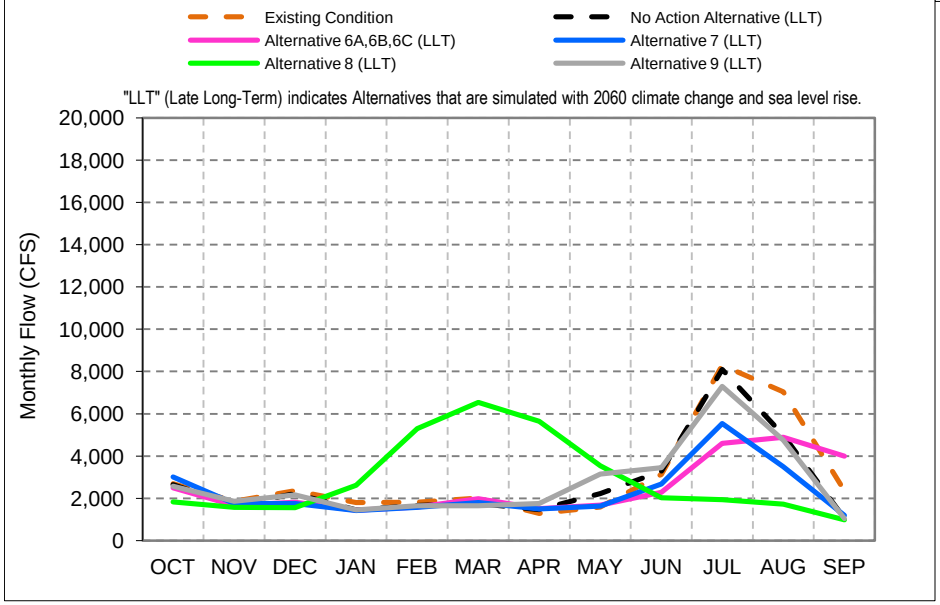
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*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





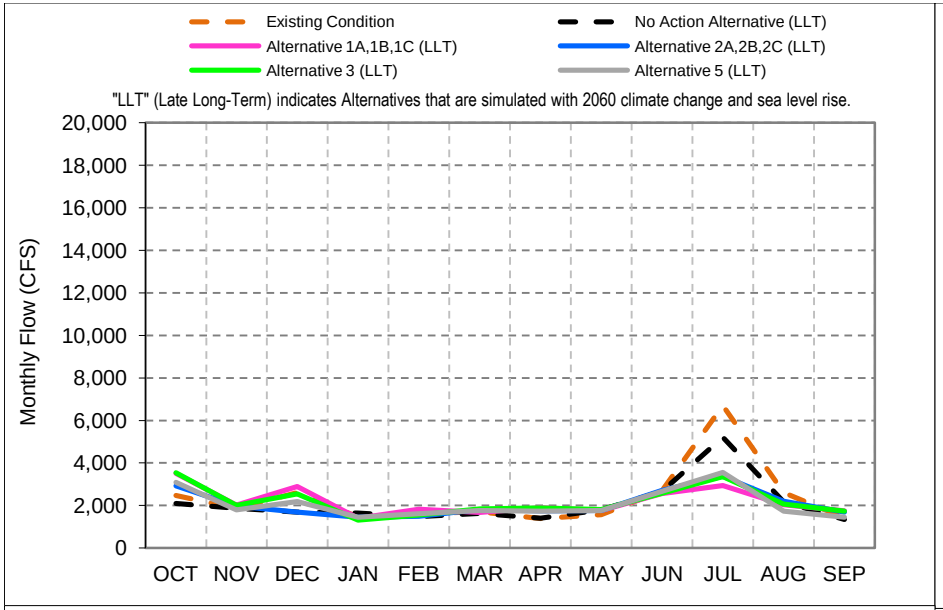


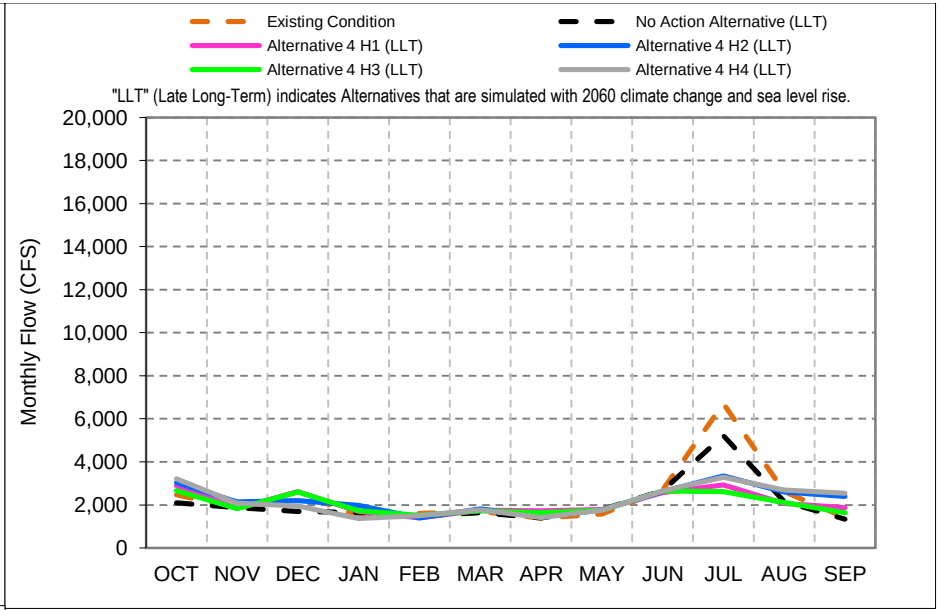
Alternative 4 Scenario Definitions:

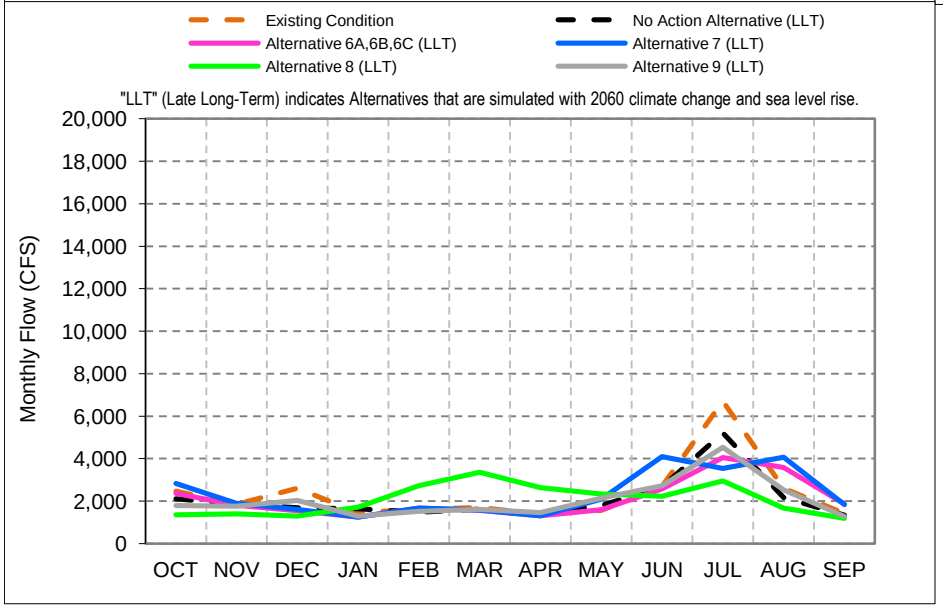
H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

*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

	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 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 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**	**-1,535**	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)