Table 4. Modeled Folsom Lake End-of-Month Storage under CWF H3+ compared to NAA

											End	of Month	Storage	(TAF)										
Statistic		Octobe	er			Novem	ber			Decem	ber			Janua	ry			Februa	ıry			Man	ch	
	NAA	CWF H3+	Diff.	Perc. Diff.	NAA	CWF H3+	Diff.	Perc. Diff.	NAA	CWF H3+	Diff.	Perc. Diff.	NAA	CWF H3+	Diff.	Perc. Diff.	NAA	CWF H3+	Diff.	Perc. Diff.	NAA	CWF H3+	Diff.	Perc. Diff.
Probability of Exceedance																								
10%	592	576	-16	-3%	545	549	4	1%	567	567	0	0%	567	567	0	0%	567	567	0	0%	661	661	0	0%
20%	543	527	-16	-3%	494	505	12	2%	567	567	0	0%	565	567	2	0%	565	566	1	0%	656	656	0	0%
30%	496	489	-7	-1%	460	480	20	4%	537	558	21	4%	557	562	5	1%	558	560	2	0%	652	652	0	0%
40%	448	452	4	1%	426	450	24	6%	497	508	11	2%	540	549	10	2%	553	556	3	0%	645	646	1	0%
50%	411	416	4	1%	407	427	20	5%	446	466	20	5%	475	507	32	7%	530	542	13	2%	633	633	0	0%
60%	353	365	12	3%	393	390	-3	-1%	418	419	2	0%	448	455	7	2%	495	485	-9	-2%	621	621	0	0%
70%	329	320	-9	-3%	352	355	2	1%	395	395	0	0%	424	426	2	0%	452	457	6	1%	594	592	-2	0%
80%	294	300	6	2%	311	312	1	0%	350	349	-1	0%	372	374	2	1%	412	424	12	3%	535	540	5	1%
90%	235	214	-22	-9%	246	260	14	6%	239	241	2	1%	298	292	-6	-2%	388	389	1	0%	437	462	25	6%
Long Term																								
Full Simulation Period <sup>b</sup>	408	404	-3	-1%	394	405	12	3%	439	444	5	1%	461	467	6	1%	489	490	1	0%	589	589	0	0%
Water Year Types <sup>c</sup>																								
Wet (32%)	505	516	11	2%	445	485	40	9%	487	511	24	5%	490	510	20	4%	515	515	0	0%	632	632	0	0%
Above Normal (16%)	419	429	10	2%	415	434	19	5%	460	474	13	3%	457	469	12	3%	531	539	8	2%	640	640	0	0%
Below Normal (13%)	426	424	-2	0%	426	424	-2	-1%	467	455	-12	-3%	489	475	-14	-3%	533	538	5	1%	619	623	5	1%
Dry (24%)	379	348	-32	-8%	398	381	-17	-4%	429	420	-8	-2%	441	441	1	0%	480	483	3	1%	579	581	2	0%
Critical (15%)	214	212	-2	-1%	220	224	3	2%	302	298	-5	-2%	409	404	-5	-1%	364	353	-11	-3%	429	423	-6	-1%
											End	of Month	Storage	(TAF)										
Statistic		April				May	,			June		or month	Diorage	July	7			Augu	st			Septen	nber	
				Perc.				Perc.				Perc.				Perc.				Perc.				Perc.
	NAA	CWF H3+	Diff.	Diff.	NAA	CWF H3+	Diff.	Diff.	NAA	CWF H3+	Diff.	Diff.	NAA	CWF H3+	Diff.	Diff.	NAA	CWF H3+	Diff.	Diff.	NAA	CWF H3+	Diff.	Diff.
Probability of Exceedance <sup>a</sup>																								
10%	792	792	0	0%	967	967	0	0%	967	967	0	0%	910	856	-53	-6%	792	770	-22	-3%	667	611	-56	-8%
20%	792	792	0	0%	967	967	0	0%	967	967	0	0%	833	786	-47	-6%	750	698	-53	-7%	599	578	-22	-4%
30%	792	792	0	0%	967	967	0	0%	967	953	-14	-1%	738	722	-16	-2%	682	628	-54	-8%	558	550	-8	-1%
40%	792	792	0	0%	967	967	0	0%	937	884	-53	-6%	667	642	-24	-4%	607	569	-38	-6%	518	504	-14	-3%
50%	792	792	0	0%	953	959	5	1%	872	786	-87	-10%	592	580	-12	-2%	514	522	8	2%	447	457	10	2%
60%	790	790	0	0%	861	862	1	0%	761	714	-47	-6%	521	517	-4	-1%	454	465	10	2%	400	421	21	5%
70%	735	738	3	0%	754	764	10	1%	673	607	-67	-10%	424	428	4	1%	383	381	-2	0%	374	363	-11	-3%
80%	623	636	13	2%	665	661	-4	-1%	544	534	-10	-2%	380	394	14	4%	352	342	-9	-3%	324	317	-7	-2%
90%	497	492	-5	-1%	483	483	0	0%	431	422	-9	-2%	338	305	-33	-10%	292	233	-59	-20%	256	219	-37	-15%
Long Term																								
Full Simulation Period <sup>b</sup>	712	714	1	0%	820	821	1	0%	764	740	-24	-3%	591	571	-20	-3%	524	503	-21	-4%	455	443	-12	-3%
Water Year Types <sup>c</sup>																								
Wet (32%)	785	785	0	0%	951	951	0	0%	941	928	-13	-1%	800	776	-25	-3%	712	692	-21	-3%	576	567	-9	-2%
Above Normal (16%)	787	787	0	0%	946	946	0	0%	887	857	-31	-3%	621	619	-3	0%	555	548	-7	-1%	478	488	10	2%
Below Normal (13%)	755	759	4	1%	841	842	1	0%	777	745	-32	-4%	523	537	14	3%	469	463	-6	-1%	450	446	-5	-1%
Dry (24%)	691	696	6	1%	760	763	4	0%	657	610	-48	-7%	499	447	-52	-10%	446	402	-44	-10%	421	380	-41	-10%
Critical (15%)	469	467	-3	-1%	481	477	-4	-1%	412	414	2	0%	323	316	-7	-2%	260	249	-11	-4%	231	231	0	0%

a Exceedance probability is defined as the probability a given value will be exceeded in any one year. b Based on the 82-year simulation period. c As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999); projected to Year 2030. WYT for a given water year is applied from Feb through Jan consistent with CALS M II. d There are 26 wet years, 13 above normal years, 11 below normal years, 20 dry years, and 12 critical years projected for 2030 under Q5 climate scenario.

Table 5. Modeled Trinity Lake End-of-Month Storage under CWF H3+ compared to NAA

1,776

2,221

2,018

Full Simulation Period<sup>b</sup>
Water Year Types<sup>c</sup>

Wet (32%)

Above Normal (16%)

1,797

2,225

2,039

21 1%

22

1%

1,753

2,245

1,992

1,774

2,250

2,013

21 1%

22

1%

1,685

2,190

1,900

1,706

2,194

1,922

		•					•					•												
											End	of Montl	1 Storage	(TAF)										
Statistic		Octob	er			Novem	ber			Decem	ber			Janua	ıry			Februa	ary			Marc	h	
	NAA	CWF H3+	Diff.	Perc. Diff.	NAA	CWF H3+	Diff.	Perc. Diff.	NAA	CWF H3+	Diff.	Perc. Diff.	NAA	CWF H3+	Diff.	Perc. Diff.	NAA	CWF H3+	Diff.	Perc. Diff.	NAA	CWF H3+	Diff.	Perc Diff.
Probability of Exceedance																								
10%	1,850	1,850	0	0%	1,839	1,844	5	0%	1,850	1,850	0	0%	1,900	1,900	0	0%	2,000	2,000	0	0%	2,100	2,100	0	0%
20%	1,764	1,741	-23	-1%	1,738	1,779	41	2%	1,796	1,829	33	2%	1,890	1,900	10	1%	2,000	2,000	0	0%	2,100	2,100	0	0%
30%	1,542	1,569	27	2%	1,578	1,600	22	1%	1,676	1,702	26	2%	1,770	1,765	-5	0%	1,949	1,950	1	0%	2,079	2,075	-4	0%
40%	1,385	1,410	25	2%	1,377	1,429	51	4%	1,551	1,567	16	1%	1,671	1,689	19	1%	1,773	1,817	45	3%	1,985	1,999	14	1%
50%	1,207	1,235	28	2%	1,235	1,288	53	4%	1,370	1,395	25	2%	1,500	1,560	60	4%	1,651	1,689	37	2%	1,763	1,837	75	4%
60%	1,121	1,165	44	4%	1,150	1,184	33	3%	1,233	1,264	31	3%	1,278	1,311	32	3%	1,502	1,522	20	1%	1,665	1,709	44	3%
70%	1,033	1,070	37	4%	1,022	1,062	40	4%	1,093	1,121	28	3%	1,134	1,142	8	1%	1,248	1,255	7	1%	1,363	1,412	50	4%
80%	836	829	-7	-1%	844	880	35	4%	874	923	48	6%	974	993	19	2%	1,035	1,129	94	9%	1,131	1,194	63	6%
90%	537	616	79	15%	592	632	40	7%	619	623	3	1%	623	658	35	6%	721	723	2	0%	907	920	13	1%
Long Term																								
Full Simulation Period <sup>b</sup>	1,230	1,248	18	1%	1,239	1,262	23	2%	1,303	1,327	24	2%	1,381	1,405	24	2%	1,506	1,529	23	2%	1,633	1,656	22	1%
Water Year Types <sup>c</sup>																								
Wet (32%)	1,692	1,696	5	0%	1,683	1,704	21	1%	1,708	1,733	25	1%	1,765	1,790	25	1%	1,922	1,932	11	1%	2,054	2,058	4	0%
Above Normal (16%)	1,449	1,456	7	0%	1,440	1,467	26	2%	1,478	1,506	27	2%	1,513	1,544	31	2%	1,651	1,666	16	1%	1,840	1,859	19	1%
Below Normal (13%)	1,153	1,176	22	2%	1,171	1,184	13	1%	1,242	1,260	17	1%	1,325	1,345	20	1%	1,574	1,598	24	2%	1,662	1,686	24	1%
Dry (24%)	983	1,013	30	3%	1,023	1,051	28	3%	1,165	1,192	27	2%	1,289	1,315	25	2%	1,271	1,312	42	3%	1,399	1,445	45	3%
Critical (15%)	472	507	34	7%	483	505	22	5%	524	543	18	4%	613	630	16	3%	781	805	24	3%	863	887	24	3%
											End	of Montl	1 Storage	(TAF)										
Statistic		April	1			May	7			June		OI WIOIK	Istorage	July	7			Augus	st			Septen	ber	
				Perc.				Perc.				Perc.				Perc.				Perc.				Perc.
	NAA	CWF H3+	Diff.	Diff.	NAA	CWF H3+	Diff.	Diff.	NAA	CWF H3+	Diff.	Diff.	NAA	CWF H3+	Diff.	Diff.	NAA	CWF H3+	Diff.	Diff.	NAA	CWF H3+	Diff.	Diff.
Probability of Exceedance																								-
10%	2,283	2,283	1	0%	2,344	2,344	0	0%	2,306	2,306	0	0%	2,262	2,198	-64	-3%	2,143	2,102	-42	-2%	1,932	1,932	0	0%
20%	2,251	2,250	-1	0%	2,269	2,275	6	0%	2,203	2,207	3	0%	2,062	2,065	2	0%	1,914	1,917	3	0%	1,740	1,748	8	0%
30%	2,215	2,206	-9	0%	2,159	2,159	0	0%	2,055	2,071	15	1%	1,913	1,924	11	1%	1,776	1,781	5	0%	1,631	1,640	9	1%
40%	2,119	2,133	14	1%	2,018	2,030	11	1%	1,912	1,921	9	0%	1,774	1,742	-32	-2%	1,587	1,578	-9	-1%	1,429	1,443	14	1%
50%	1,912	1,946	34	2%	1,825	1,910	85	5%	1,698	1,810	113	7%	1,558	1,605	48	3%	1,404	1,410	6	0%	1,291	1,300	9	1%
60%	1,790	1,817	27	1%	1,717	1,757	40	2%	1,624	1,681	57	4%	1,423	1,473	49	3%	1,259	1,320	61	5%	1,148	1,223	75	7%
70%	1,485	1,534	49	3%	1,468	1,542	74	5%	1,393	1,442	49	4%	1,276	1,311	35	3%	1,131	1,147	15	1%	1,057	1,069	12	1%
80%	1,308	1,358	50	4%	1,243	1,284	41	3%	1,219	1,232	14	1%	1,062	1,068	6	1%	921	956	35	4%	830	874	44	5%
90%	996	1,048	52	5%	972	975	3	0%	912	913	1	0%	765	779	14	2%	608	659	51	8%	553	617	64	12%
Long Term																								

Below Normal (13%) 1,817 1,833 16 1% 1,742 1,759 16 1% 1,637 1,652 15 1% 1,471 1,481 10 1% 1,304 1,323 19 1% 1,185 1,207 22 2% 1,535 46 3% 1,533 45 3% 1,458 47 3% 1,291 43 3% 1,099 1,135 36 3% 1,004 1,038 34 3% Dry (24%) 1,581 1,487 1,411 1,249 914 935 21 2% 879 900 21 2% 857 874 17 2% 745 749 4 1% 604 611 7 1% 518 541 23 5% Critical (15%) a Exceedance probability is defined as the probability a given value will be exceeded in any one year. b Based on the 82-year simulation period. c As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999); projected to Year 2030. WYT for a given water year is applied from Feb through Jan consistent with CALS M II. d There are 26 wet years, 13 above normal years, 11 below normal years, 20 dry years, and 12 critical years projected for 2030 under Q5 climate scenario.

21 1%

22

0%

1%

1,547

2,068

1,767

1,560

2,067

1,775

13

8

1%

0%

0%

1,402

1,940

1,612

1,415

1,942

1,615

13 1%

3

0%

0%

1,282

1,784

1,490

1,297

1,787

1,490

16

0

1%

0%

0%

Table 6. Modeled Shasta Lake End-of-Month Storage under CWF H3+ compared to NAA

											End	of Montl	Storage	(TAF)										
Statistic		Octob	er			Novem	ber			Decem	ber			Janua	ry			Februa	ıry			Man	:h	
	NAA	CWF H3+	Diff.	Perc. Diff.	NAA	CWF H3+	Diff.	Perc. Diff.	NAA	CWF H3+	Diff.	Perc. Diff.	NAA	CWF H3+	Diff.	Perc. Diff.	NAA	CWF H3+	Diff.	Perc. Diff.	NAA	CWF H3+	Diff.	Perc. Diff.
robability of Exceedance																								
10%	3,200	3,200	0	0%	3,248	3,249	1	0%	3,322	3,335	13	0%	3,615	3,621	7	0%	3,812	3,844	33	1%	4,212	4,228	16	0%
20%	2,990	3,105	115	4%	2,926	3,135	208	7%	3,289	3,315	26	1%	3,525	3,539	14	0%	3,700	3,744	44	1%	4,114	4,127	13	0%
30%	2,850	2,909	59	2%	2,754	3,003	249	9%	3,251	3,266	15	0%	3,370	3,463	93	3%	3,616	3,659	43	1%	4,007	4,018	11	0%
40%	2,709	2,783	73	3%	2,669	2,847	178	7%	3,016	3,207	191	6%	3,260	3,361	100	3%	3,490	3,559	70	2%	3,948	3,960	12	0%
50%	2,588	2,643	55	2%	2,536	2,741	204	8%	2,792	3,037	245	9%	3,153	3,252	99	3%	3,380	3,471	91	3%	3,756	3,785	28	1%
60%	2,499	2,515	16	1%	2,446	2,513	67	3%	2,536	2,729	193	8%	3,000	3,159	158	5%	3,284	3,313	29	1%	3,575	3,680	104	3%
70%	2,239	2,315	76	3%	2,243	2,383	141	6%	2,327	2,508	181	8%	2,615	2,808	193	7%	3,191	3,252	61	2%	3,417	3,422	6	0%
80%	1,924	1,955	32	2%	1,965	2,094	129	7%	2,142	2,201	60	3%	2,444	2,561	117	5%	2,757	2,813	56	2%	3,156	3,303	147	5%
90%	1,269	1,256	-13	-1%	1,248	1,173	-75	-6%	1,339	1,512	173	13%	1,942	1,939	-3	0%	2,235	2,289	54	2%	2,564	2,725	161	6%
Long Term																								
Full Simulation Period <sup>b</sup>	2,398	2,445	46	2%	2,376	2,487	111	5%	2,590	2,685	95	4%	2,897	2,969	72	2%	3,182	3,236	54	2%	3,550	3,589	39	1%
Water Year Types <sup>c</sup>																								
Wet (32%)	2,862	2,905	43	1%	2,720	2,899	180	7%	2,941	3,092	151	5%	3,266	3,365	99	3%	3,590	3,591	1	0%	3,836	3,836	0	0%
Above Normal (16%)	2,715	2,756	41	2%	2,611	2,779	167	6%	2,844	3,000	155	5%	3,002	3,154	151	5%	3,451	3,502	51	1%	4,019	4,021	2	0%
Below Normal (13%)	2,594	2,683	89	3%	2,625	2,744	119	5%	2,757	2,855	98	4%	3,021	3,108	88	3%	3,446	3,510	64	2%	3,818	3,851	33	1%
Dry (24%)	2,402	2,435	33	1%	2,529	2,561	31	1%	2,796	2,823	27	1%	3,059	3,078	19	1%	3,033	3,132	99	3%	3,504	3,598	94	3%
Critical (15%)	866	908	42	5%	895	923	28	3%	1,060	1,079	19	2%	1,602	1,604	2	0%	2,013	2,102	90	4%	2,253	2,331	78	3%

											Ena	oi Monti	n Storage	(IAF)										
Statistic		Apri	l			May	7			June	:			July	<u>y</u>			Augus	st			Septen	ber	
	NAA	CWF H3+	Diff.	Perc. Diff.	NAA	CWF H3+	Diff.	Perc. Diff.	NAA	CWF H3+	Diff.	Perc. Diff.	NAA	CWF H3+	Diff.	Perc. Diff.	NAA	CWF H3+	Diff.	Perc. Diff.	NAA	CWF H3+	Diff.	Perc. Diff.
Probability of Exceedance																								
10%	4,479	4,480	1	0%	4,552	4,552	0	0%	4,452	4,455	3	0%	3,905	3,857	-48	-1%	3,578	3,549	-28	-1%	3,200	3,199	-1	0%
20%	4,434	4,441	7	0%	4,552	4,552	0	0%	4,282	4,283	1	0%	3,784	3,777	-6	0%	3,476	3,445	-31	-1%	3,044	3,071	27	1%
30%	4,376	4,371	-5	0%	4,543	4,541	-2	0%	4,196	4,194	-3	0%	3,576	3,589	12	0%	3,225	3,208	-16	-1%	2,968	2,988	20	1%
40%	4,264	4,283	20	0%	4,419	4,397	-22	0%	4,004	3,876	-128	-3%	3,320	3,267	-54	-2%	3,022	2,994	-28	-1%	2,852	2,846	-5	0%
50%	4,139	4,157	18	0%	4,196	4,217	22	1%	3,774	3,736	-38	-1%	3,182	3,168	-14	0%	2,842	2,820	-22	-1%	2,729	2,742	14	1%
60%	3,994	4,007	13	0%	3,974	4,045	71	2%	3,555	3,558	2	0%	2,977	3,009	32	1%	2,713	2,724	11	0%	2,613	2,634	21	1%
70%	3,733	3,849	116	3%	3,585	3,713	128	4%	3,305	3,378	72	2%	2,732	2,808	76	3%	2,520	2,588	67	3%	2,339	2,447	107	5%
80%	3,424	3,554	130	4%	3,174	3,276	102	3%	2,797	2,856	59	2%	2,327	2,339	13	1%	2,069	2,023	-46	-2%	1,995	1,997	2	0%
90%	2,656	2,699	43	2%	2,700	2,771	71	3%	2,344	2,382	37	2%	1,804	1,923	119	7%	1,409	1,481	72	5%	1,362	1,392	30	2%
Long Term																								
Full Simulation Period <sup>b</sup>	3,831	3,868	36	1%	3,844	3,873	29	1%	3,515	3,511	-4	0%	2,980	2,987	7	0%	2,672	2,678	6	0%	2,480	2,507	26	1%
Water Year Types <sup>c</sup>																								
Wet (32%)	4,298	4,299	1	0%	4,460	4,461	1	0%	4,242	4,234	-9	0%	3,734	3,722	-12	0%	3,408	3,388	-20	-1%	2,985	2,980	-5	0%
Above Normal (16%)	4,403	4,402	0	0%	4,427	4,422	-5	0%	4,039	3,993	-46	-1%	3,405	3,377	-28	-1%	3,073	3,050	-24	-1%	2,835	2,867	32	1%
Below Normal (13%)	4,027	4,068	41	1%	3,959	3,999	41	1%	3,589	3,585	-4	0%	3,005	2,997	-8	0%	2,646	2,690	44	2%	2,615	2,692	77	3%
Dry (24%)	3,735	3,814	79	2%	3,667	3,726	59	2%	3,283	3,289	6	0%	2,771	2,790	19	1%	2,495	2,498	3	0%	2,459	2,475	16	1%
Critical (15%)	2,181	2,259	78	4%	2,065	2,133	68	3%	1,692	1,726	34	2%	1,215	1,295	80	7%	960	1,026	65	7%	914	973	59	6%

a Exceedance probability is defined as the probability a given value will be exceeded in any one year. b Based on the 82-year simulation period. c As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999); projected to Year 2030. WYT for a given water year is applied from Feb through Jan consistent with CALS M II. d There are 26 wet years, 13 above normal years, 11 below normal years, 20 dry years, and 12 critical years projected for 2030 under Q5 climate scenario.

Table 7. Modeled CVP North-of-Delta End-of-Month Storage under CWF H3+ compared to NAA

											End	of Month	Storage	(TAF)										
Statistic		Octob	er			Novem	ber			Decem	ber			Janua	ry			Februa	ıry			Man	ch	
	NAA	CWF H3+	Diff.	Perc. Diff.	NAA	CWF H3+	Diff.	Perc. Diff.	NAA	CWF H3+	Diff.	Perc. Diff.	NAA	CWF H3+	Diff.	Perc. Diff.	NAA	CWF H3+	Diff.	Perc. Diff.	NAA	CWF H3+	Diff.	Perc. Diff.
Probability of Exceedance <sup>a</sup>																								
10%	5,511	5,585	74	1%	5,220	5,448	228	4%	5,656	5,680	24	0%	5,912	5,973	61	1%	6,254	6,306	52	1%	6,880	6,889	9	0%
20%	5,166	5,215	50	1%	5,004	5,206	202	4%	5,455	5,509	53	1%	5,823	5,857	34	1%	6,173	6,195	22	0%	6,732	6,734	2	0%
30%	4,852	4,915	63	1%	4,810	5,061	250	5%	5,238	5,402	163	3%	5,644	5,713	70	1%	5,959	6,047	88	1%	6,579	6,618	39	1%
40%	4,572	4,730	158	3%	4,532	4,846	314	7%	5,079	5,268	189	4%	5,499	5,593	94	2%	5,806	5,807	0	0%	6,433	6,505	72	1%
50%	4,340	4,344	3	0%	4,303	4,492	188	4%	4,752	5,016	264	6%	5,212	5,344	132	3%	5,625	5,728	103	2%	6,176	6,238	63	1%
60%	3,958	4,004	46	1%	4,064	4,160	96	2%	4,396	4,595	199	5%	4,701	4,906	205	4%	5,331	5,535	204	4%	5,892	6,049	157	3%
70%	3,683	3,846	163	4%	3,726	3,856	130	3%	3,859	4,014	155	4%	4,251	4,450	199	5%	4,923	5,031	108	2%	5,532	5,741	209	4%
80%	3,080	3,121	41	1%	3,270	3,299	29	1%	3,356	3,483	127	4%	3,799	3,996	197	5%	4,364	4,550	187	4%	4,990	5,149	160	3%
90%	2,332	2,332	0	0%	2,255	2,230	-25	-1%	2,338	2,417	79	3%	2,877	2,900	23	1%	3,450	3,486	36	1%	3,990	4,190	199	5%
Long Term																								
Full Simulation Period <sup>b</sup>	4,035	4,096	61	2%	4,009	4,155	145	4%	4,332	4,457	125	3%	4,739	4,841	102	2%	5,178	5,256	78	2%	5,772	5,834	61	1%
Water Year Types <sup>c</sup>																								
Wet (32%)	5,058	5,116	58	1%	4,849	5,088	240	5%	5,135	5,336	201	4%	5,521	5,665	144	3%	6,027	6,039	12	0%	6,522	6,526	4	0%
Above Normal (16%)	4,583	4,641	58	1%	4,467	4,679	212	5%	4,783	4,979	196	4%	4,972	5,166	194	4%	5,633	5,708	75	1%	6,499	6,519	21	0%
Below Normal (13%)	4,173	4,283	110	3%	4,223	4,353	130	3%	4,466	4,570	103	2%	4,834	4,927	93	2%	5,553	5,646	93	2%	6,099	6,161	62	1%
Dry (24%)	3,764	3,796	32	1%	3,950	3,992	42	1%	4,389	4,435	46	1%	4,789	4,834	46	1%	4,784	4,928	144	3%	5,483	5,624	141	3%
Critical (15%)	1,553	1,626	74	5%	1,598	1,651	53	3%	1,887	1,920	32	2%	2,624	2,637	13	0%	3,158	3,260	102	3%	3,545	3,641	96	3%
											End	of Month	Storage	(TAF)										
											LAIG	or monu	Diorage	(IAI)										
Statistic		Apri	1			May	7			June		OI MOILI	Storage	July				Augus	st			Septen	nber	
Statistic	NAA	April	Diff.	Perc.	NAA	May	Diff.	Perc.	NAA	June CWF H3+		Perc.	NAA		Diff.	Perc.	NAA	Augus	st Diff.	Perc.	NAA	Septen	nber Diff.	Perc. Diff.
	NAA				NAA				NAA			Perc.		July			NAA				NAA			
Statistic  Probability of Exceedance <sup>a</sup> 10%	NAA 7,510				NAA 7,853				NAA 7,681			Perc.		July			NAA 6,392				NAA 5,715			
Probability of Exceedance <sup>a</sup>		CWF H3+	Diff.	Diff.		CWF H3+	Diff.	Diff.		CWF H3+	Diff.	Perc. Diff.	NAA	July CWF H3+	Diff.	Diff.		CWF H3+	Diff.	Diff.		CWF H3+	Diff.	Diff.
Probability of Exceedance <sup>a</sup>	7,510	CWF H3+	Diff.	Diff.	7,853	CWF H3+	Diff.	Diff.	7,681	<b>CWF H3</b> +	Diff.	Perc. Diff.	NAA 6,960	July CWF H3+	<b>Diff.</b>	<b>Diff.</b>	6,392	CWF H3+	<b>Diff.</b>	<b>Diff.</b>	5,715	CWF H3+	<b>Diff.</b>	Diff.
Probability of Exceedance <sup>a</sup> 10% 20%	7,510 7,405	7,516 7,409	<b>Diff.</b> 6 4	0% 0%	7,853 7,729	<b>CWF H3</b> + 7,854 7,729	1 0	0% 0%	7,681 7,386	7,681 7,350	<b>Diff.</b> 0 -36	Perc. Diff.	NAA 6,960 6,533	July CWF H3+  6,884 6,527	<b>Diff.</b> -77 -7	-1% 0%	6,392 6,074	<b>CWF H3</b> + 6,353 6,050	<b>Diff.</b> -40 -25	-1% 0%	5,715 5,373	CWF H3+ 5,704 5,400	Diff11 27	0% 1%
Probability of Exceedance <sup>a</sup> 10% 20% 30%	7,510 7,405 7,297	7,516 7,409 7,309	6 4 12	0% 0% 0%	7,853 7,729 7,599	7,854 7,729 7,610	1 0 11	0% 0% 0%	7,681 7,386 7,077	7,681 7,350 7,058	0 -36 -19	Perc. Diff. 0% 0% 0%	NAA 6,960 6,533 6,036	July CWF H3+  6,884 6,527 6,090	-77 -7 54	-1% 0% 1%	6,392 6,074 5,553	CWF H3+  6,353 6,050 5,478	-40 -25 -75	-1% 0% -1%	5,715 5,373 5,053	CWF H3+ 5,704 5,400 5,048	-11 27 -5	0% 1% 0%
Probability of Exceedance <sup>a</sup> 10% 20% 30% 40%	7,510 7,405 7,297 7,155	7,516 7,409 7,309 7,175	6 4 12 20	0% 0% 0% 0%	7,853 7,729 7,599 7,201	7,854 7,729 7,610 7,218	Diff.  1 0 11 17	0% 0% 0% 0%	7,681 7,386 7,077 6,652	7,681 7,350 7,058 6,629	Diff.  0 -36 -19 -23	Perc. Diff. 0% 0% 0% 0%	NAA 6,960 6,533 6,036 5,681	July CWF H3+  6,884 6,527 6,090 5,606	-77 -7 54 -75	-1% 0% 1% -1%	6,392 6,074 5,553 5,140	CWF H3+  6,353 6,050 5,478 5,075	-40 -25 -75 -65	-1% 0% -1% -1%	5,715 5,373 5,053 4,740	5,704 5,400 5,048 4,805	Diff.  -11 27 -5 66	0% 1% 0% 1%
Probability of Exceedance <sup>a</sup> 10% 20% 30% 40% 50%	7,510 7,405 7,297 7,155 6,865	7,516 7,409 7,309 7,175 6,918	Diff.  6 4 12 20 52	0% 0% 0% 0% 0% 1%	7,853 7,729 7,599 7,201 6,902	7,854 7,729 7,610 7,218 6,922	Diff.  1 0 11 17 20	0% 0% 0% 0% 0%	7,681 7,386 7,077 6,652 6,281	7,681 7,350 7,058 6,629 6,176	0 -36 -19 -23 -105	Perc. Diff. 0% 0% 0% 0% -2%	NAA 6,960 6,533 6,036 5,681 5,277	July CWF H3+  6,884 6,527 6,090 5,606 5,220	-77 -7 54 -75 -57	Diff.  -1%  0%  1%  -1%  -1%	6,392 6,074 5,553 5,140 4,697	CWF H3+  6,353 6,050 5,478 5,075 4,697	-40 -25 -75 -65	Diff.  -1% 0% -1% -1% -1% 0%	5,715 5,373 5,053 4,740 4,445	CWF H3+ 5,704 5,400 5,048 4,805 4,493	Diff.  -11 27 -5 66 48	0% 1% 0% 1% 1%
Probability of Exceedance <sup>a</sup> 10% 20% 30% 40% 50% 60%	7,510 7,405 7,297 7,155 6,865 6,363	7,516 7,409 7,309 7,175 6,918 6,508	Diff.  6 4 12 20 52 145	0% 0% 0% 0% 0% 1% 2%	7,853 7,729 7,599 7,201 6,902 6,453	7,854 7,729 7,610 7,218 6,922 6,619	Diff.  1 0 11 17 20 166	0% 0% 0% 0% 0% 0% 3%	7,681 7,386 7,077 6,652 6,281 5,954	7,681 7,350 7,058 6,629 6,176 5,941	0 -36 -19 -23 -105	Perc. Diff. 0% 0% 0% 0% -2% 0%	NAA 6,960 6,533 6,036 5,681 5,277 5,014	July CWF H3+ 6,884 6,527 6,090 5,606 5,220 5,003	-77 -7 -7 54 -75 -57 -11	Diff.  -1%  0%  1%  -1%  -1%  0%	6,392 6,074 5,553 5,140 4,697 4,505	CWF H3+  6,353 6,050 5,478 5,075 4,697 4,512	-40 -25 -75 -65 0	Diff.  -1% 0% -1% -1% 0% -0%	5,715 5,373 5,053 4,740 4,445 4,195	5,704 5,400 5,048 4,805 4,493 4,262	Diff.  -11 27 -5 66 48 67	0% 1% 0% 1% 1% 1% 2%
Probability of Exceedance <sup>a</sup> 10%  20%  30%  40%  50%  60%  70%	7,510 7,405 7,297 7,155 6,865 6,363 6,064	7,516 7,409 7,309 7,175 6,918 6,508 6,201	Diff.  6 4 12 20 52 145 137	0% 0% 0% 0% 0% 1% 2%	7,853 7,729 7,599 7,201 6,902 6,453 5,959	7,854 7,729 7,610 7,218 6,922 6,619 6,150	Diff.  1 0 11 17 20 166 192	0% 0% 0% 0% 0% 0% 3% 3%	7,681 7,386 7,077 6,652 6,281 5,954 5,554	7,681 7,350 7,058 6,629 6,176 5,941 5,516	Diff.  0 -36 -19 -23 -105 -13 -38	Perc. Diff.  0% 0% 0% 0% -2% 0% -1%	NAA 6,960 6,533 6,036 5,681 5,277 5,014 4,635	July  CWF H3+  6,884 6,527 6,090 5,606 5,220 5,003 4,701	-77 -7 54 -75 -57 -11 66	Diff.  -1% 0% 1% -1% -1% 0% 11%	6,392 6,074 5,553 5,140 4,697 4,505 4,202	CWF H3+  6,353 6,050 5,478 5,075 4,697 4,512 4,231	-40 -25 -75 -65 0 7 29	-1% -1% -1% -1% -1% -1% -1% -1% -1% -1%	5,715 5,373 5,053 4,740 4,445 4,195 3,902	5,704 5,400 5,048 4,805 4,493 4,262 3,970	Diff.  -11 27 -5 66 48 67 68	0% 1% 0% 1% 1% 1% 2% 2%
Probability of Exceedance <sup>a</sup> 10%  20%  30%  40%  50%  60%  70%  80%	7,510 7,405 7,297 7,155 6,865 6,363 6,064 5,539	CWF H3+  7,516 7,409 7,309 7,175 6,918 6,508 6,201 5,644	6 4 12 20 52 145 137 105	0% 0% 0% 0% 1% 2% 2% 2%	7,853 7,729 7,599 7,201 6,902 6,453 5,959 5,393	7,854 7,729 7,610 7,218 6,922 6,619 6,150 5,405	Diff.  1 0 11 17 20 166 192 12	0% 0% 0% 0% 0% 0% 3% 3% 0%	7,681 7,386 7,077 6,652 6,281 5,954 5,554 4,696	CWF H3+  7,681 7,350 7,058 6,629 6,176 5,941 5,516 4,781	Diff.  0 -36 -19 -23 -105 -13 -38 84	Perc. Diff.  0% 0% 0% 0% -2% 0% -1% 2%	NAA 6,960 6,533 6,036 5,681 5,277 5,014 4,635 3,814	July  CWF H3+  6.884 6.527 6.090 5.606 5.220 5.003 4.701 3.865	-77 -7 54 -75 -57 -11 66 51	1% -1% -1% -1% -1% -1% -1% -1% -1% -1% -	6,392 6,074 5,553 5,140 4,697 4,505 4,202 3,301	CWF H3+  6,353 6,050 5,478 5,075 4,697 4,512 4,231 3,306	-40 -25 -75 -65 0 7 29	Diff.  -1% 0% -1% -1% 0% 0% 1% 0%	5,715 5,373 5,053 4,740 4,445 4,195 3,902 3,150	5,704 5,400 5,048 4,805 4,493 4,262 3,970 3,192	Diff.  -11 27 -5 66 48 67 68 42	0% 1% 0% 1% 1% 2% 2% 1%
Probability of Exceedance <sup>a</sup> 10%  20%  30%  40%  50%  60%  70%  80%  90%	7,510 7,405 7,297 7,155 6,865 6,363 6,064 5,539	CWF H3+  7,516 7,409 7,309 7,175 6,918 6,508 6,201 5,644	6 4 12 20 52 145 137 105	0% 0% 0% 0% 1% 2% 2% 2%	7,853 7,729 7,599 7,201 6,902 6,453 5,959 5,393	7,854 7,729 7,610 7,218 6,922 6,619 6,150 5,405	Diff.  1 0 11 17 20 166 192 12	0% 0% 0% 0% 0% 0% 3% 3% 0%	7,681 7,386 7,077 6,652 6,281 5,954 5,554 4,696	CWF H3+  7,681 7,350 7,058 6,629 6,176 5,941 5,516 4,781	Diff.  0 -36 -19 -23 -105 -13 -38 84	Perc. Diff.  0% 0% 0% 0% -2% 0% -1% 2%	NAA 6,960 6,533 6,036 5,681 5,277 5,014 4,635 3,814	July  CWF H3+  6.884 6.527 6.090 5.606 5.220 5.003 4.701 3.865	-77 -7 54 -75 -57 -11 66 51	1% -1% -1% -1% -1% -1% -1% -1% -1% -1% -	6,392 6,074 5,553 5,140 4,697 4,505 4,202 3,301	CWF H3+  6,353 6,050 5,478 5,075 4,697 4,512 4,231 3,306	-40 -25 -75 -65 0 7 29	Diff.  -1% 0% -1% -1% 0% 0% 1% 0%	5,715 5,373 5,053 4,740 4,445 4,195 3,902 3,150	5,704 5,400 5,048 4,805 4,493 4,262 3,970 3,192	Diff.  -11 27 -5 66 48 67 68 42	0% 1% 0% 1% 1% 1% 2% 2% 1%
Probability of Exceedance <sup>a</sup> 10% 20% 30% 40% 50% 60% 70% 80% 90% Long Term	7,510 7,405 7,297 7,155 6,865 6,363 6,064 5,539 4,216	CWF H3+  7,516 7,409 7,309 7,175 6,918 6,508 6,201 5,644 4,229	Diff.  6 4 12 20 52 145 137 105	0% 0% 0% 0% 1% 2% 2% 2%	7,853 7,729 7,599 7,201 6,902 6,453 5,959 5,393 4,292	7,854 7,729 7,610 7,218 6,922 6,619 6,150 5,405 4,421	Diff.  1 0 11 17 20 166 192 12 130	Diff.  0% 0% 0% 0% 0% 3% 3% 0% 3%	7,681 7,386 7,077 6,652 6,281 5,954 5,554 4,696 3,891	CWF H3+  7,681 7,350 7,058 6,629 6,176 5,941 5,516 4,781 3,986	0 -36 -19 -23 -105 -13 -38 84 94	Perc. Diff.  0% 0% 0% 0% -2% 0% -1% -2% 2%	NAA 6,960 6,533 6,036 5,681 5,277 5,014 4,635 3,814 3,157	July  CWF H3+  6,884 6,527 6,090 5,606 5,220 5,003 4,701 3,865 3,321	-77 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7	Diff.  -1% 0% 1% -1% 0% 11% -1% 0% 14% 5%	6,392 6,074 5,553 5,140 4,697 4,505 4,202 3,301 2,642	CWF H3+  6,353 6,050 5,478 5,075 4,697 4,512 4,231 3,306 2,720	-40 -25 -75 -65 0 7 29 5	Diff.  -1% 0% -1% -1% 0% 0% 1% 0% 3%	5,715 5,373 5,053 4,740 4,445 4,195 3,902 3,150 2,478	CWF H3+  5,704 5,400 5,048 4,805 4,493 4,262 3,970 3,192 2,527	Diff.  -11 27 -5 66 48 67 68 42 49	Diff.  0% 1% 0% 1% 1% 2% 2% 1% 2%
Probability of Exceedance <sup>a</sup> 10% 20% 30% 40% 50% 60% 70% 80% 90% Long Term Full Simulation Period <sup>b</sup>	7,510 7,405 7,297 7,155 6,865 6,363 6,064 5,539 4,216	CWF H3+  7,516 7,409 7,309 7,175 6,918 6,508 6,201 5,644 4,229	Diff.  6 4 12 20 52 145 137 105	0% 0% 0% 0% 1% 2% 2% 2%	7,853 7,729 7,599 7,201 6,902 6,453 5,959 5,393 4,292	7,854 7,729 7,610 7,218 6,922 6,619 6,150 5,405 4,421	Diff.  1 0 11 17 20 166 192 12 130	Diff.  0% 0% 0% 0% 0% 3% 3% 0% 3%	7,681 7,386 7,077 6,652 6,281 5,954 5,554 4,696 3,891	CWF H3+  7,681 7,350 7,058 6,629 6,176 5,941 5,516 4,781 3,986	0 -36 -19 -23 -105 -13 -38 84 94	Perc. Diff.  0% 0% 0% 0% -2% 0% -1% -2% 2%	NAA 6,960 6,533 6,036 5,681 5,277 5,014 4,635 3,814 3,157	July  CWF H3+  6,884 6,527 6,090 5,606 5,220 5,003 4,701 3,865 3,321	-77 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7	Diff.  -1% 0% 1% -1% 0% 11% -1% 0% 14% 5%	6,392 6,074 5,553 5,140 4,697 4,505 4,202 3,301 2,642	CWF H3+  6,353 6,050 5,478 5,075 4,697 4,512 4,231 3,306 2,720	-40 -25 -75 -65 0 7 29 5	Diff.  -1% 0% -1% -1% 0% 0% 1% 0% 3%	5,715 5,373 5,053 4,740 4,445 4,195 3,902 3,150 2,478	CWF H3+  5,704 5,400 5,048 4,805 4,493 4,262 3,970 3,192 2,527	Diff.  -11 27 -5 66 48 67 68 42 49	Diff.  0% 1% 0% 1% 1% 2% 2% 1% 2%
Probability of Exceedance <sup>a</sup> 10% 20% 30% 40% 50% 60% 70% 80% 90% Long Term Full Simulation Period <sup>b</sup> Water Year Types <sup>c</sup>	7,510 7,405 7,297 7,155 6,865 6,363 6,064 5,539 4,216	CWF H3+  7,516 7,409 7,309 7,175 6,918 6,508 6,201 5,644 4,229  6,378	Diff.  6 4 12 20 52 145 137 105 13	Diff.  0% 0% 0% 0% 1% 2% 2% 2% 0%	7,853 7,729 7,599 7,201 6,902 6,453 5,959 5,393 4,292	CWF H3+  7,854  7,729  7,610  7,218  6,922  6,619  6,150  5,405  4,421  6,468	Diff.  1 0 11 17 20 166 192 12 130	Diff.  0% 0% 0% 0% 0% 0% 3% 3% 3% 1%	7,681 7,386 7,077 6,652 6,281 5,954 5,554 4,696 3,891	CWF H3+  7,681  7,350  7,058  6,629  6,176  5,941  5,516  4,781  3,986	Diff.  0 -36 -19 -23 -105 -13 -38 84 94	Perc. Diff. 0% 0% 0% -2% 0% -1% 2% 2%	NAA 6,960 6,533 6,036 5,681 5,277 5,014 4,635 3,814 3,157	July  CWF H3+  6,884 6,527 6,090 5,606 5,220 5,003 4,701 3,865 3,321  5,119	Diff.  -77 -7 54 -75 -57 -11 66 51 165	Diff.  -1%  0%  1%  -1%  -1%  0%  1%  -1%  0%  1%  0%	6,392 6,074 5,553 5,140 4,697 4,505 4,202 3,301 2,642	CWF H3+  6,353 6,050 5,478 5,075 4,697 4,512 4,231 3,306 2,720  4,596	-40 -25 -75 -65 0 7 29 5 78	Diff.  -1% 0% -1% -1% 0% -1% 0% 0% 1% 0% 0%	5,715 5,373 5,053 4,740 4,445 4,195 3,902 3,150 2,478	5,704 5,400 5,048 4,805 4,493 4,262 3,970 3,192 2,527	Diff.  -11 27 -5 66 48 67 68 42 49	Diff.  0% 1% 0% 1% 1% 2% 1% 2% 1%
Probability of Exceedance <sup>a</sup> 10% 20% 30% 40% 50% 60% 70% 80% 90% Long Term Full Simulation Period <sup>b</sup> Water Year Types <sup>c</sup> Wet (32%)	7,510 7,405 7,297 7,155 6,865 6,363 6,064 5,539 4,216 6,319	CWF H3+  7,516 7,409 7,309 7,175 6,918 6,508 6,201 5,644 4,229  6,378	6 4 12 20 52 145 137 105 13	Diff.  0% 0% 0% 0% 1% 2% 2% 2% 1% 0%	7,853 7,729 7,599 7,201 6,902 6,453 5,959 5,393 4,292 6,417	7,854 7,729 7,610 7,218 6,922 6,619 6,150 5,405 4,421 6,468	Diff.  1 0 11 17 20 166 192 12 130 51	Diff.  0% 0% 0% 0% 0% 0% 3% 3% 1%	7,681 7,386 7,077 6,652 6,281 5,954 5,554 4,696 3,891 5,964	7,681 7,681 7,350 7,058 6,629 6,176 5,941 5,516 4,781 3,986 5,956	Diff.  0 -36 -19 -23 -105 -13 -38 84 -94 -8	Perc. Diff.  0% 0% 0% 0% -2% 0% -1% 2% 0%	NAA 6,960 6,533 6,036 5,681 5,277 5,014 4,635 3,814 3,157 5,118 6,602	July  CWF H3+  6,884 6,527 6,090 5,606 5,220 5,003 4,701 3,865 3,321  5,119	Diff.  -77 -7 54 -75 -57 -11 66 51 165	Diff.  -1%  0%  1%  -1%  0%  1%  -1%  0%  1%  0%  1%  -1%  -	6,392 6,074 5,553 5,140 4,697 4,505 4,202 3,301 2,642 4,597	CWF H3+  6.353 6,050 5,478 5,075 4,697 4,512 4,231 3,306 2,720  4,596	-40 -25 -75 -65 0 7 29 5 78	Diff.  -1% 0% -1% -1% 0% -1% 0% 0% 1% 0% 0% -1% -1%	5,715 5,373 5,053 4,740 4,445 4,195 3,902 3,150 2,478 4,217	CWF H3+  5,704  5,400  5,048  4,805  4,493  4,262  3,970  3,192  2,527  4,247	Diff.  -11 27 -5 66 48 67 68 42 49 30	Diff.  0% 1% 0% 1% 1% 2% 1% 2% 1% 0%
Probability of Exceedance <sup>a</sup> 10% 20% 30% 40% 50% 60% 70% 80% 90% Long Term Full Simulation Period <sup>b</sup> Water Year Types <sup>c</sup> Wet (32%) Above Normal (16%)	7,510 7,405 7,297 7,155 6,865 6,363 6,064 5,539 4,216 6,319 7,304 7,207	CWF H3+  7,516 7,409 7,309 7,175 6,918 6,508 6,201 5,644 4,229  6,378  7,309 7,229	6 4 12 20 52 145 137 105 13 59	Diff.  0% 0% 0% 0% 1% 2% 2% 0% 1% 0%	7,853 7,729 7,599 7,201 6,902 6,453 5,959 5,393 4,292 6,417 7,656 7,365	CWF H3+  7,854  7,729  7,610  7,218  6,922  6,619  6,150  5,405  4,421  6,468  7,663  7,382	Diff.  1 0 11 17 20 166 192 12 130 51	Diff.  0% 0% 0% 0% 0% 3% 3% 3% 1%	7,681 7,386 7,077 6,652 6,281 5,954 5,554 4,696 3,891 5,964 7,373 6,826	7,681 7,350 7,058 6,629 6,176 5,941 5,516 4,781 3,986 5,956	Diff.  0 -36 -19 -23 -105 -13 -38 84 94 -8	Perc. Diff.  0% 0% 0% -2% 0% -1% 2% 0% -1%	NAA 6,960 6,533 6,036 5,681 5,277 5,014 4,635 3,814 3,157 5,118 6,602 5,794	July  CWF H3+  6,884 6,527 6,090 5,606 5,220 5,003 4,701 3,865 3,321  5,119  6,565 5,771	Diff.  -77 -7 54 -75 -57 -11 66 51 165 0	Diff.  -1% -1% -1% -1% -1% -1% -1% -0% -1% -0%	6,392 6,074 5,553 5,140 4,697 4,505 4,202 3,301 2,642 4,597	CWF H3+  6,353 6,050 5,478 5,075 4,697 4,512 4,231 3,306 2,720  4,596  6,021 5,213	Diff.  -40 -25 -75 -65 0 7 29 5 78 -2 -39 -28	Diff.  -1% -1% -1% -1% -1% -1% -1% -1% -1% -1	5,715 5,373 5,053 4,740 4,445 4,195 3,902 3,150 2,478 4,217 5,345 4,802	CWF H3+  5,704 5,400 5,048 4,805 4,493 4,262 3,970 3,192 2,527  4,247  5,335 4,845	Diff.  -11 27 -5 66 48 67 68 42 49 30 -10 43	0% 1% 0% 1% 1% 2% 2% 1% 2% 1% 2% 1% 1%

a Exceedance probability is defined as the probability a given value will be exceeded in any one year. b Based on the 82-year simulation period. c As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999); projected to Year 2030. WYT for a given water year is applied from Feb through Jan consistent with CALS M II. d There are 26 wet years, 13 above normal years, 11 below normal years, 20 dry years, and 12 critical years projected for 2030 under Q5 climate scenario.

Table 8. Modeled Lake Oroville End-of-Month Storage under CWF H3+ compared to NAA

											End	of Month	1 Storage	(TAF)										
Statistic		Octob	er			Novem	ber			Decem	ber			Janua	ıry			Februa	ıry			Marc	h	
	NAA	CWF H3+	Diff.	Perc. Diff.	NAA	CWF H3+	Diff.	Perc. Diff.	NAA	CWF H3+	Diff.	Perc. Diff.	NAA	CWF H3+	Diff.	Perc. Diff.	NAA	CWF H3+	Diff.	Perc. Diff.	NAA	CWF H3+	Diff.	Perc Diff.
Probability of Exceedance										0 = == .			-,											
10%	2,051	2,076	24	1%	2,112	2,156	44	2%	2,712	2,693	-19	-1%	2,788	2,788	0	0%	2,917	2,917	1	0%	3,035	3,035	0	0%
20%	1,779	1,945	166	9%	1,799	1,961	162	9%	2,031	2,195	164	8%	2,610	2,767	156	6%	2,788	2,788	0	0%	2,964	2,964	0	0%
30%	1,612	1,763	151	9%	1,656	1,762	106	6%	1,793	2,006	212	12%	2,287	2,368	81	4%	2,788	2,788	0	0%	2,897	2,935	38	1%
40%	1,364	1,531	167	12%	1,374	1,508	134	10%	1,583	1,685	102	6%	1.941	2,162	221	11%	2,553	2,687	134	5%	2,788	2,817	29	1%
50%	1,257	1,364	107	8%	1,249	1,353	104	8%	1,391	1,475	84	6%	1,703	1,824	122	7%	2,176	2,439	263	12%	2,646	2,788	142	5%
60%	1,165	1,248	83	7%	1,138	1,249	111	10%	1,252	1,279	26	2%	1,595	1,568	-28	-2%	1,892	1,962	71	4%	2,261	2,333	72	3%
70%	1,098	1,134	36	3%	1,022	1,118	96	9%	1,093	1,234	141	13%	1,298	1,348	50	4%	1,677	1,721	44	3%	2,041	2,118	77	4%
	999	1,043	44	4%	958	993	35	4%	983	1,065	82	8%	1,147	1,268	121	11%	1,432	1,522	90	6%	1,706	1,703	-3	0%
80%		-																					46	
90%	906	934	28	3%	890	921	31	3%	903	961	58	6%	1,007	1,122	114	11%	1,244	1,261	18	1%	1,491	1,537	40	3%
Long Term	1.200	1 100	0.1		1.200	1.150		501			70		1.020	1.010	=0	407	2115	2 200		201	2 205	2 425	40	- 20
Full Simulation Period <sup>b</sup>	1,399	1,480	81	6%	1,390	1,469	79	6%	1,565	1,644	78	5%	1,830	1,910	79	4%	2,146	2,209	64	3%	2,387	2,435	48	2%
Water Year Types <sup>c</sup>	1.010	1.071		201	1.055	1.005		201	1.006	2.050	===	401	2.105	2 202	0.7	407	2.020	2051			2.042	2.042		- 00
Wet (32%)	1,919	1,974	55	3%	1,877	1,935	58	3%	1,996	2,069	73	4%	2,185	2,282	97	4%	2,830	2,854	24	1%	2,942	2,942	0	0%
Above Normal (16%)	1,507	1,603	96	6%	1,488	1,583	96	6%	1,583	1,679	95	6%	1,773	1,861	88	5%	2,516	2,606	90	4%	2,892	2,927	36	1%
Below Normal (13%)	1,239	1,409	171	14%	1,174	1,341	167	14%	1,301	1,458	156	12%	1,712	1,847	134	8%	2,125	2,238	113	5%	2,400	2,526	127	59
Dry (24%)	1,079	1,150	71	7%	1,145	1,209	64	6%	1,501	1,555	54	4%	1,753	1,796	44	2%	1,583	1,643	60	4%	1,939	1,996	57	39
Critical (15%)	836	889	53	6%	835	887	52	6%	961	1,001	41	4%	1,362	1,402	40	3%	1,218	1,298	80	7%	1,376	1,451	74	5%
											End	of Month	Storage	(TAF)										
Statistic		Apri	<u>l</u>			May	y			June				July	7			Augus	st			Septen	ber	
	NAA	CWF H3+	Diff.	Perc. Diff.	NAA	CWF H3+	Diff.	Perc. Diff.	NAA	CWF H3+	Diff.	Perc. Diff.	NAA	CWF H3+	Diff.	Perc. Diff.	NAA	CWF H3+	Diff.	Perc. Diff.	NAA	CWF H3+	Diff.	Pero Diff
Probability of Exceedance																								
10%	3,352	3,352	0	0%	3,538	3,538	0	0%	3,538	3,538	0	0%	3,037	2,981	-55	-2%	2,758	2,660	-98	-4%	2,217	2,260	43	2%
20%	3,298	3,298	0	0%	3,538	3,538	0	0%	3,535	3,503	-32	-1%	2,952	2,889	-63	-2%	2,516	2,468	-48	-2%	1,960	2,108	148	8%
30%	3,268	3,274	6	0%	3,475	3,475	0	0%	3,357	3,238	-119	-4%	2,746	2,637	-108	-4%	2,313	2,164	-150	-6%	1,824	1.852	28	2%
40%	3,208	3,218	10	0%	3,312	3,376	64	2%	3,103	3,028	-75	-2%	2,468	2,413	-55	-2%	1,979	2,029	50	3%	1,522	1,733	211	149
50%	2,925	3,082	158	5%	3,018	3,113	94	3%	2,831	2,806	-24	-1%	2,201	2,140	-61	-3%	1,718	1,803	85	5%	1,331	1,532	200	159
60%	2,600	2,652	52	2%	2,690	2,762	71	3%	2,448	2,422	-26	-1%	1,821	1,843	21	1%	1,508	1,521	13	1%	1,256	1,389	133	119
70%	2,218	2,298	81	4%	2,300	2,762	75	3%	2,015	2,060	45	2%	1,448	1,588	140	10%	1,247	1,292	45	4%	1,203	1,227	25	29
80%	1,900	1,792	-107	-6%	1,860	1.868	8	0%	1,682	1,710	28	2%	1,241	1,289	48	4%	1,130	1,214	84	7%	1,075	1,134	59	59
90%	1,661	1,631	-30	-2%	1,512	1,583	71	5%	1,306	1,710	61	5%	1,138	1,226	87	8%	986	1,107	120	12%	897	978	81	9%
	1,001	1,031	-30	-270	1,312	1,363	/1	370	1,300	1,300	01	370	1,136	1,220	07	670	700	1,107	120	1270	071	976	01	37
Long Term	2,654	2,695	41	2%	2,749	2,793	44	2%	2,602	2,591	-11	0%	2,118	2,114	-5	0%	1,817	1,817	0	0%	1,512	1,604	92	69
Full Simulation Period <sup>b</sup> Water Year Types <sup>c</sup>	2,034	2,093	41	270	2,749	2,193	44	270	2,002	2,391	-11	U%	2,118	2,114	-3	U70	1,01/	1,01/	U	U70	1,312	1,004	92	0%
· · · · · · · · · · · · · · · · · · ·	3,300	3,300	0	0%	3,486	3,488	1	0%	3,439	3,381	-58	-2%	2,958	2,885	-73	-2%	2,619	2,548	-72	-3%	2,102	2,160	58	3%
Wet (32%)	3,246	- /	16	1%	3,392	- ,	18	1%		3,124		-3%	2,598		-73	-4%		,	-72	-2%			83	5%
Above Normal (16%)		3,262			,	3,409			3,231		-106			2,499			2,115	2,063			1,657	1,741		-
Below Normal (13%)	2,656	2,783 2,233	127 55	5%	2,716	2,843	127 61	5%	2,530	2,593	63	2% 1%	1,922	1,966 1,536	44	2%	1,512	1,584	72	5%	1,307	1,504	197	159
				3%	2,209	2,270	61	3%	1,957	1,980	7.4			1.536	59	4%	1,284	1.323	38	3%	1,146	1,245	99	9%
Dry (24%) Critical (15%)	2,178 1,401	1,460	58	4%	1,388	1,447	59	4%	1,248	1,315	67	5%	1,476	1,123	95	9%	925	1.005	80	9%	874	939	65	7%

a Exceedance probability is defined as the probability a given value will be exceeded in any one year. b Based on the 82-year simulation period. c As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999); projected to Year 2030. WYT for a given water year is applied from Feb through Jan consistent with CALS M II. d There are 26 wet years, 13 above normal years, 20 dry years, and 12 critical years projected for 2030 under Q5 climate scenario.

#### Folsom Lake, End of Month Storage Probability of Exceedance

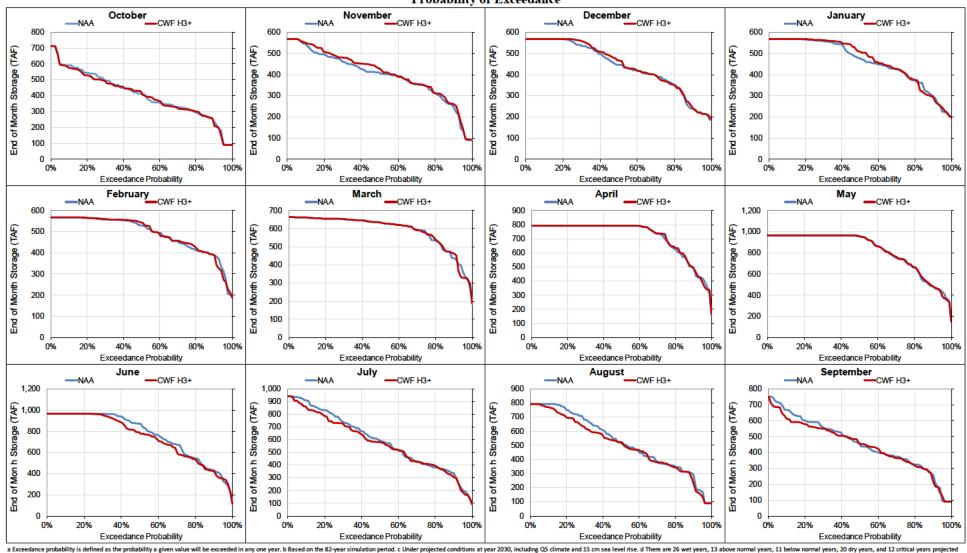
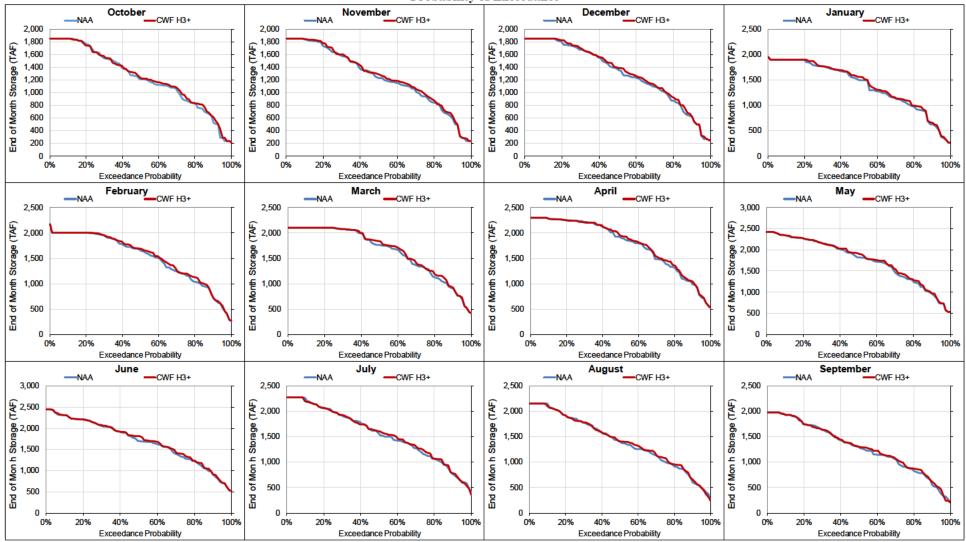


Figure 1: Exceedance probability of end-of-month Folsom Lake storage using 82-year CalSim II results for NAA and CWF H3+, under projected conditions at 2030

for 2030 under Q5 climate scenario

including Q5 climate and 15 cm sea level rise

# Trinity Lake, End of Month Storage Probability of Exceedance



a Exceedance probability is defined as the probability a given value will be exceeded in any one year. b Based on the 82-year simulation period. c Under projected conditions at year 2030, including Q5 climate and 15 cm sea level rise. d There are 26 wet years, 13 above normal years, 11 below normal years, 20 dry years, and 12 critical years projected for 2030 under Q5 climate scenario.

Figure 2: Exceedance probability of end-of-month Trinity Lake storage using 82-year CalSim II results for NAA and CWF H3+, under projected conditions at 2030 including Q5 climate and 15 cm sea level rise

#### Shasta Lake, End of Month Storage Probability of Exceedance

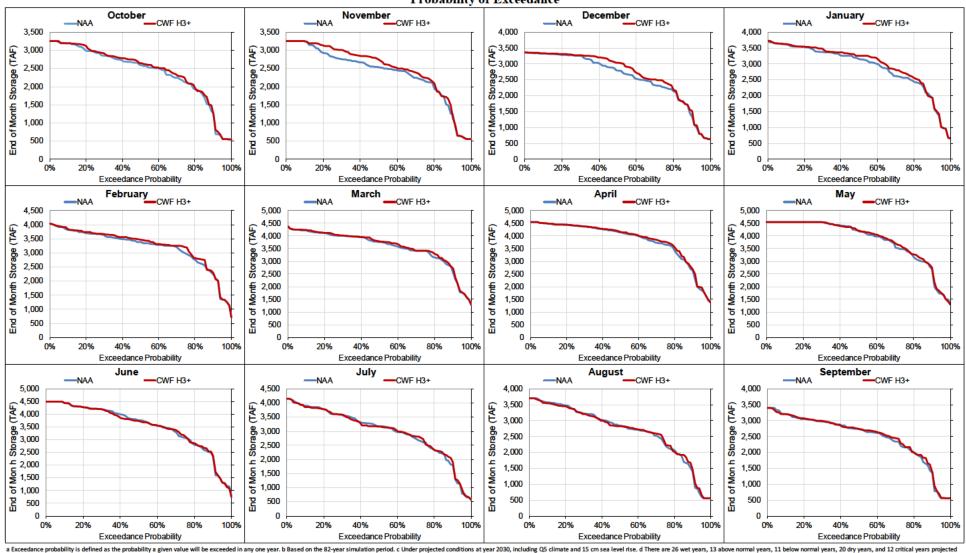
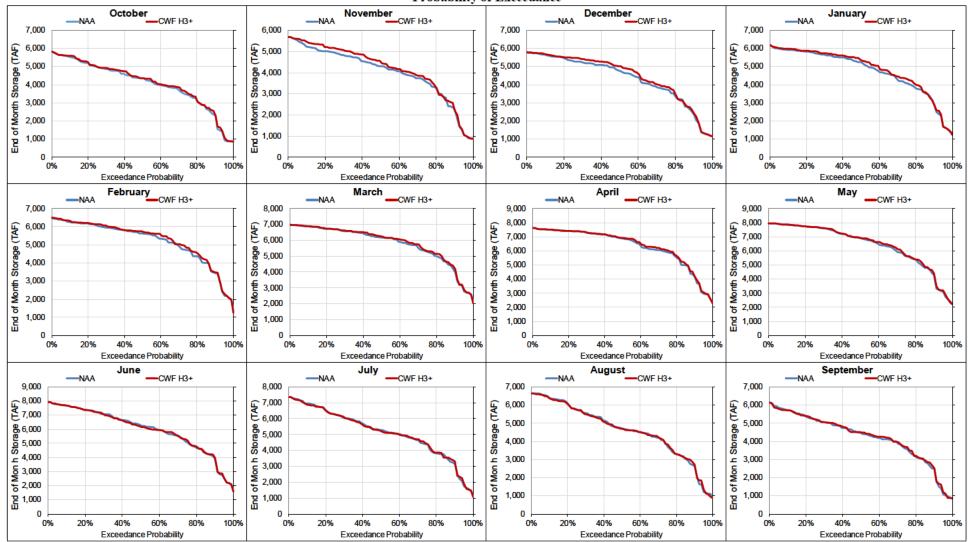


Figure 3: Exceedance probability of end-of-month Shasta Lake storage using 82-year CalSim II results for NAA and CWF H3+, under projected conditions at 2030 including Q5 climate and 15 cm sea level rise

for 2030 under Q5 climate scenario

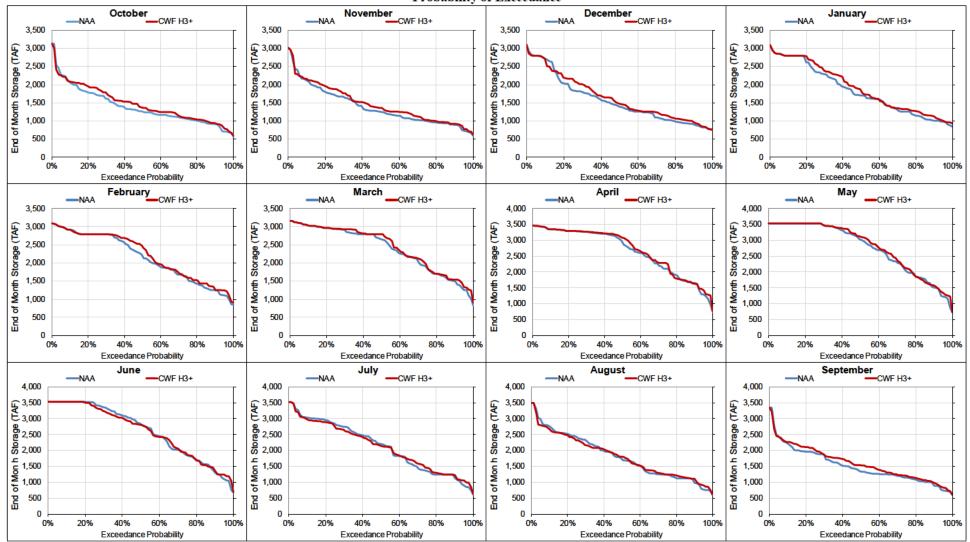
### CVP North-of-Delta End of Month Storage Probability of Exceedance



a Exceedance probability is defined as the probability a given value will be exceeded in any one year. b Based on the 82-year simulation period. c Under projected conditions at year 2030, including Q5 climate and 15 cm sea level rise. d There are 26 wet years, 13 above normal years, 11 below normal years, 20 dry years, and 12 critical years projected for 2030 under Q5 climate scenario.

Figure 4: Exceedance probability of end-of-month CVP North-of-Delta storage using 82-year CalSim II results for NAA and CWF H3+, under projected conditions at 2030 including Q5 climate and 15 cm sea level rise

## Lake Oroville, End of Month Storage Probability of Exceedance



a Exceedance probability is defined as the probability a given value will be exceeded in any one year. b Based on the 82-year simulation period. c Under projected conditions at year 2030, including Q5 climate and 15 cm sea level rise. d There are 26 wet years, 13 above normal years, 11 below normal years, 20 dry years, and 12 critical years projected for 2030 under Q5 climate scenario.

Figure 5: Exceedance probability of end-of-month Lake Oroville storage using 82-year CalSim II results for NAA and CWF H3+, under projected conditions at 2030 including Q5 climate and 15 cm sea level rise