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

Statistic	End of Month Storage (TAF)																							
	October				November				December				January				February				March			
	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[a]																								
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[b]	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[c]																								
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%

Statistic	End of Month Storage (TAF)																							
	April				May				June				July				August				September			
	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[a]																								
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[b]	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[c]																								
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

Statistic	End of Month Storage (TAF)																							
	October				November				December				January				February				March			
	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[a]																								
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[b]	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[c]																								
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%

Statistic	End of Month Storage (TAF)																							
	April				May				June				July				August				September			
	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[a]																								
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																								
Full Simulation Period[b]	1,776	1,797	21	1%	1,753	1,774	21	1%	1,685	1,706	21	1%	1,547	1,560	13	1%	1,402	1,415	13	1%	1,282	1,297	16	1%
Water Year Types[c]																								
Wet (32%)	2,221	2,225	4	0%	2,245	2,250	5	0%	2,190	2,194	4	0%	2,068	2,067	-1	0%	1,940	1,942	2	0%	1,784	1,787	3	0%
Above Normal (16%)	2,018	2,039	22	1%	1,992	2,013	22	1%	1,900	1,922	22	1%	1,767	1,775	8	0%	1,612	1,615	3	0%	1,490	1,490	0	0%
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%
Dry (24%)	1,535	1,581	46	3%	1,487	1,533	45	3%	1,411	1,458	47	3%	1,249	1,291	43	3%	1,099	1,135	36	3%	1,004	1,038	34	3%
Critical (15%)	914	935	21	2%	879	900	21	2%	857	874	17	2%	745	749	4	1%	604	611	7	1%	518	541	23	5%

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

Statistic	End of Month Storage (TAF)																					
	October				November				December				January				February				March			
	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[a]																						
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[b]	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[c]																						
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%

Statistic	End of Month Storage (TAF)																					
	April				May				June				July				August				September			
	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[a]																						
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[b]	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[c]																						
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

Statistic	End of Month Storage (TAF)																							
	October				November				December				January				February				March			
	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[a]																								
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[b]	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[c]																								
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%

Statistic	End of Month Storage (TAF)																							
	April				May				June				July				August				September			
	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[a]																								
10%	7,510	7,516	6	0%	7,853	7,854	1	0%	7,681	7,681	0	0%	6,960	6,884	-77	-1%	6,392	6,353	-40	-1%	5,715	5,704	-11	0%
20%	7,405	7,409	4	0%	7,729	7,729	0	0%	7,386	7,350	-36	0%	6,533	6,527	-7	0%	6,074	6,050	-25	0%	5,373	5,400	27	1%
30%	7,297	7,309	12	0%	7,599	7,610	11	0%	7,077	7,058	-19	0%	6,036	6,090	54	1%	5,553	5,478	-75	-1%	5,053	5,048	-5	0%
40%	7,155	7,175	20	0%	7,201	7,218	17	0%	6,652	6,629	-23	0%	5,681	5,606	-75	-1%	5,140	5,075	-65	-1%	4,740	4,805	66	1%
50%	6,865	6,918	52	1%	6,902	6,922	20	0%	6,281	6,176	-105	-2%	5,277	5,220	-57	-1%	4,697	4,697	0	0%	4,445	4,493	48	1%
60%	6,363	6,508	145	2%	6,453	6,619	166	3%	5,954	5,941	-13	0%	5,014	5,003	-11	0%	4,505	4,512	7	0%	4,195	4,262	67	2%
70%	6,064	6,201	137	2%	5,959	6,150	192	3%	5,554	5,516	-38	-1%	4,635	4,701	66	1%	4,202	4,231	29	1%	3,902	3,970	68	2%
80%	5,539	5,644	105	2%	5,393	5,405	12	0%	4,696	4,781	84	2%	3,814	3,865	51	1%	3,301	3,306	5	0%	3,150	3,192	42	1%
90%	4,216	4,229	13	0%	4,292	4,421	130	3%	3,891	3,986	94	2%	3,157	3,321	165	5%	2,642	2,720	78	3%	2,478	2,527	49	2%
Long Term																								
Full Simulation Period[b]	6,319	6,378	59	1%	6,417	6,468	51	1%	5,964	5,956	-8	0%	5,118	5,119	0	0%	4,597	4,596	-2	0%	4,217	4,247	30	1%
Water Year Types[c]																								
Wet (32%)	7,304	7,309	5	0%	7,656	7,663	6	0%	7,373	7,356	-17	0%	6,602	6,565	-37	-1%	6,060	6,021	-39	-1%	5,345	5,335	-10	0%
Above Normal (16%)	7,207	7,229	21	0%	7,365	7,382	16	0%	6,826	6,771	-55	-1%	5,794	5,771	-23	0%	5,240	5,213	-28	-1%	4,802	4,845	43	1%
Below Normal (13%)	6,599	6,660	60	1%	6,542	6,600	58	1%	6,003	5,983	-20	0%	4,999	5,015	16	0%	4,419	4,476	57	1%	4,250	4,344	94	2%
Dry (24%)	5,961	6,091	130	2%	5,914	6,022	108	2%	5,351	5,357	5	0%	4,518	4,528	10	0%	4,040	4,034	-6	0%	3,885	3,893	8	0%
Critical (15%)	3,565	3,661	96	3%	3,425	3,510	85	2%	2,961	3,014	53	2%	2,283	2,360	77	3%	1,824	1,885	61	3%	1,663	1,746	82	5%

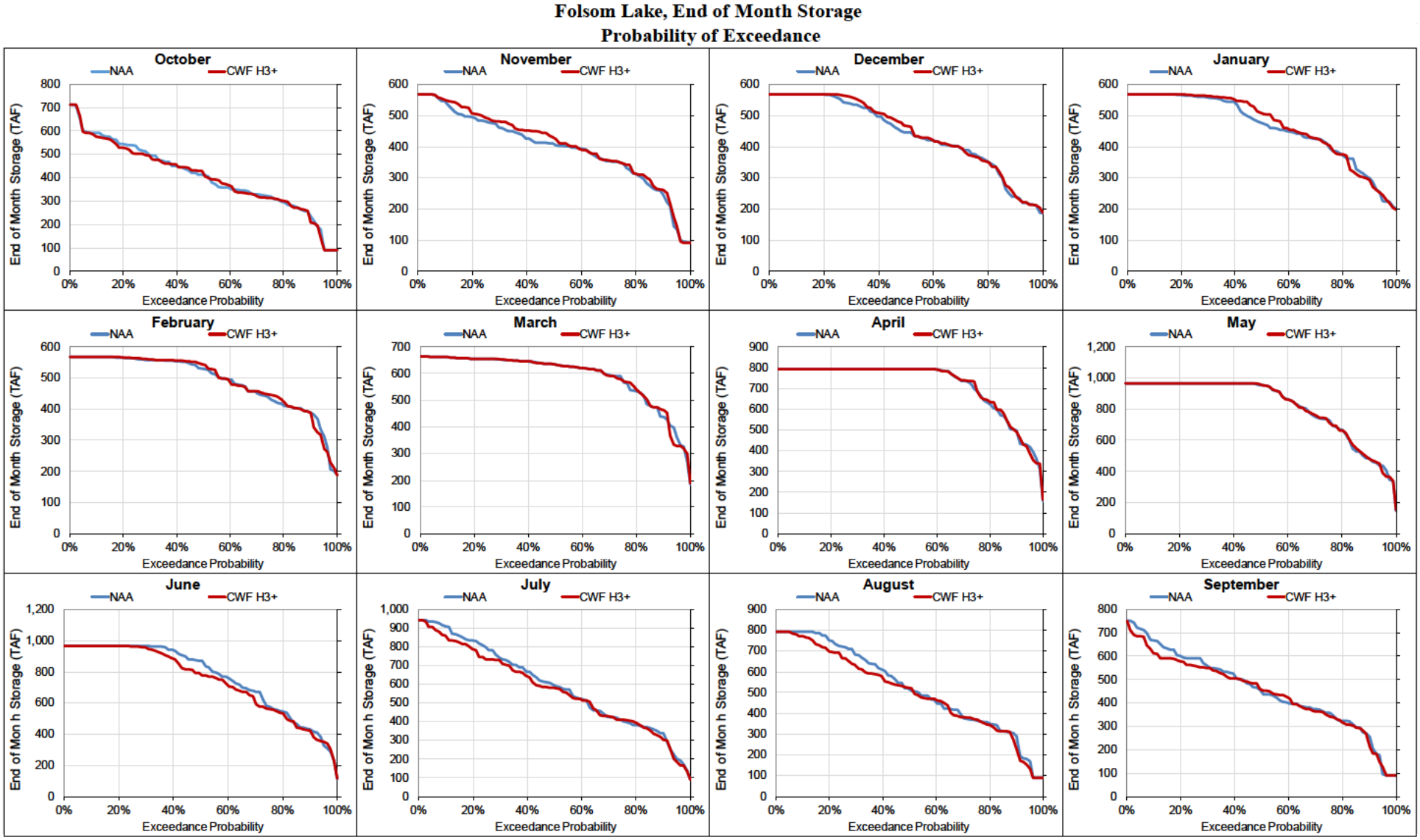
a Exceedance probability is defined as the probability a given value will be exceeded in any one year. b Based on the 82-year simulation period. c As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999); projected to Year 2030. WYT for a given water 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

Statistic	End of Month Storage (TAF)																							
	October				November				December				January				February				March			
	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[a]																								
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%
80%	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%
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	46	3%
Long Term																								
Full Simulation Period[b]	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[c]																								
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	5%
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	3%
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%

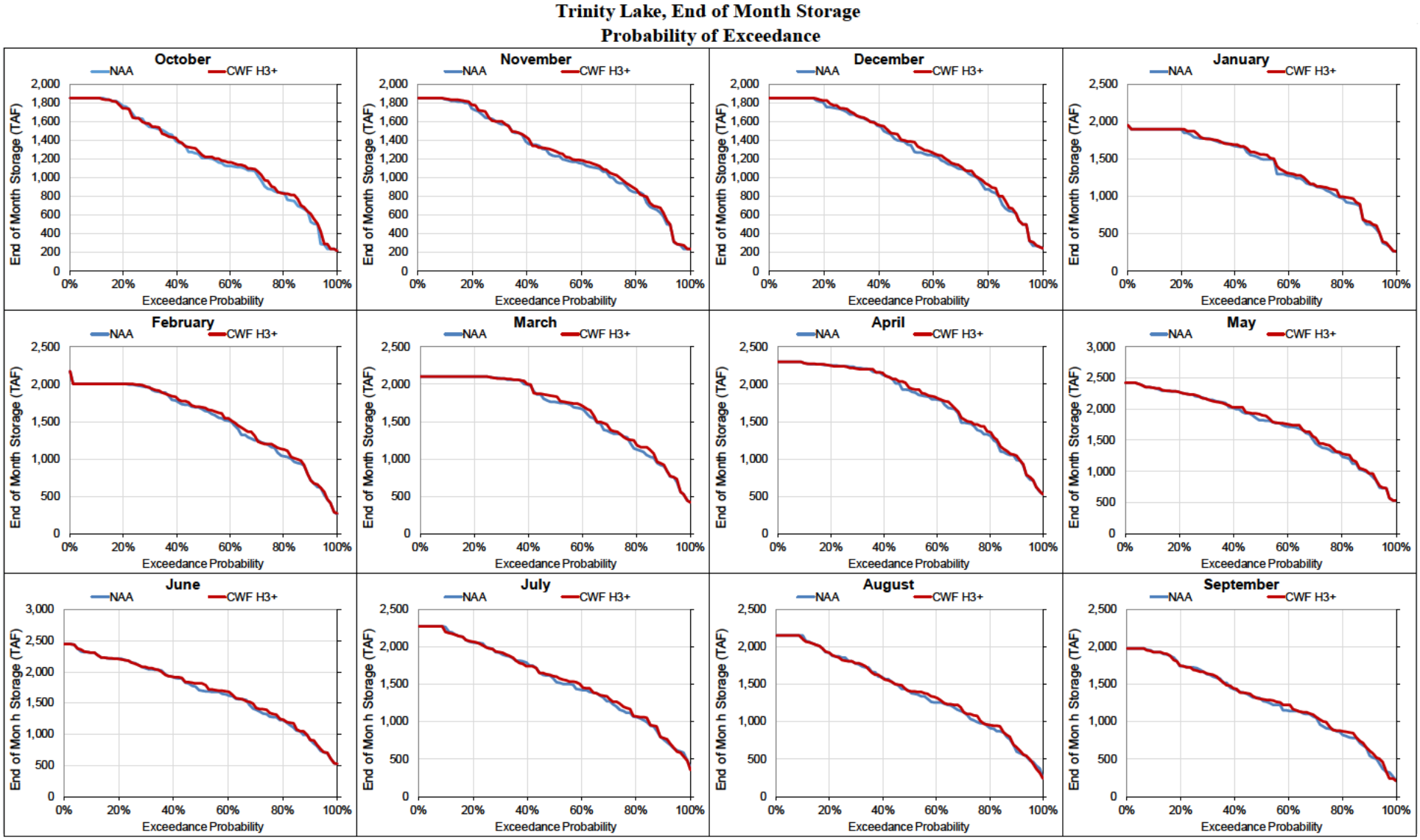
Statistic	End of Month Storage (TAF)																							
	April				May				June				July				August				September			
	NAA	CWF H3+	Diff.	Perc. Diff.	NAA	CWF H3+	Diff.	Perc. Diff.	NAA	CWF H3+	Diff.	Perc. Diff.	NAA	CWF H3+	Diff.	Perc. Diff.	NAA	CWF H3+	Diff.	Perc. Diff.	NAA	CWF H3+	Diff.	Perc. Diff.
Probability of Exceedance[a]																								
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	14%
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	15%
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	11%
70%	2,218	2,298	81	4%	2,300	2,376	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	2%
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	5%
90%	1,661	1,631	-30	-2%	1,512	1,583	71	5%	1,306	1,366	61	5%	1,138	1,226	87	8%	986	1,107	120	12%	897	978	81	9%
Long Term																								
Full Simulation Period[b]	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	6%
Water Year Types[c]																								
Wet (32%)	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%
Above Normal (16%)	3,246	3,262	16	1%	3,392	3,409	18	1%	3,231	3,124	-106	-3%	2,598	2,499	-99	-4%	2,115	2,063	-51	-2%	1,657	1,741	83	5%
Below Normal (13%)	2,656	2,783	127	5%	2,716	2,843	127	5%	2,530	2,593	63	2%	1,922	1,966	44	2%	1,512	1,584	72	5%	1,307	1,504	197	15%
Dry (24%)	2,178	2,233	55	3%	2,209	2,270	61	3%	1,957	1,980	23	1%	1,476	1,536	59	4%	1,284	1,323	38	3%	1,146	1,245	99	9%
Critical (15%)	1,401	1,460	58	4%	1,388	1,447	59	4%	1,248	1,315	67	5%	1,028	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, 11 below normal years, 20 dry years, and 12 critical years projected for 2030 under Q5 climate scenario.



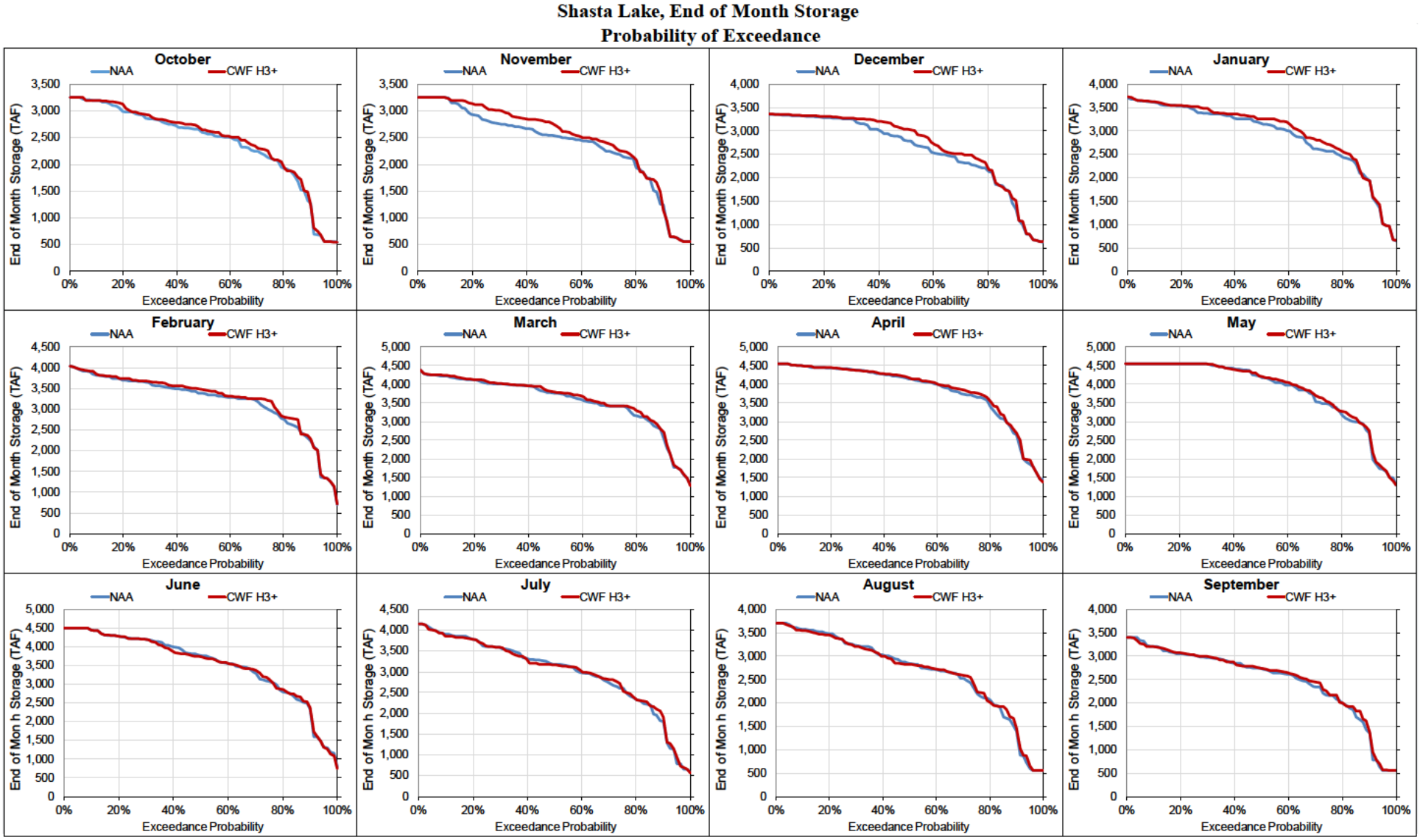
a Exceedance probability is defined as the probability a given value will be exceeded in any one year. b Based on the 82-year simulation period. c Under projected conditions at year 2030, including Q5 climate and 15 cm sea level rise. d There are 26 wet years, 13 above normal years, 11 below normal years,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

Figure 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 including Q5 climate and 15 cm sea level rise



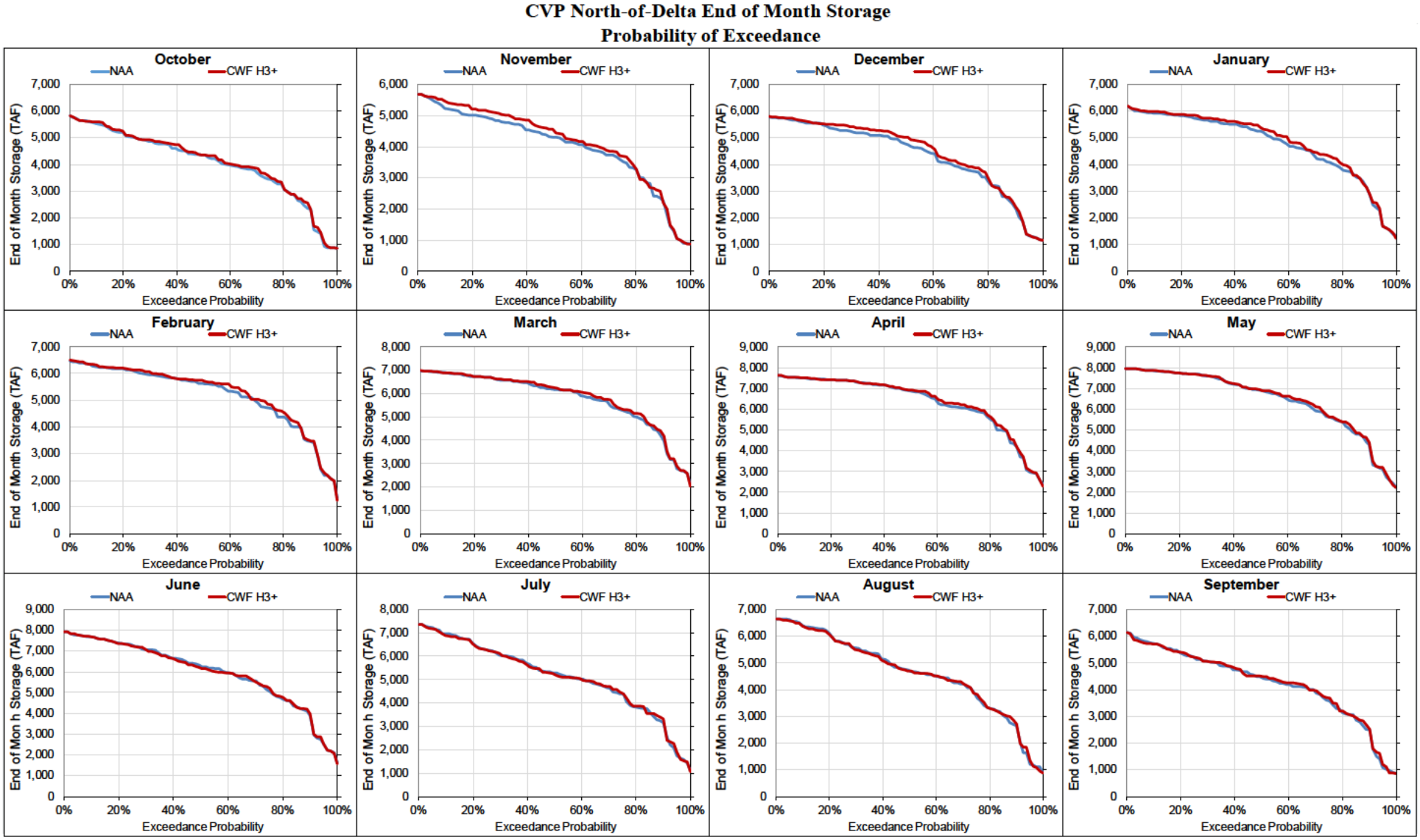
a Exceedance probability is defined as the probability a given value will be exceeded in any one year. b Based on the 82-year simulation period. c Under projected conditions at year 2030, including Q5 climate and 15 cm sea level rise. d There are 26 wet years, 13 above normal years, 11 below normal years,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



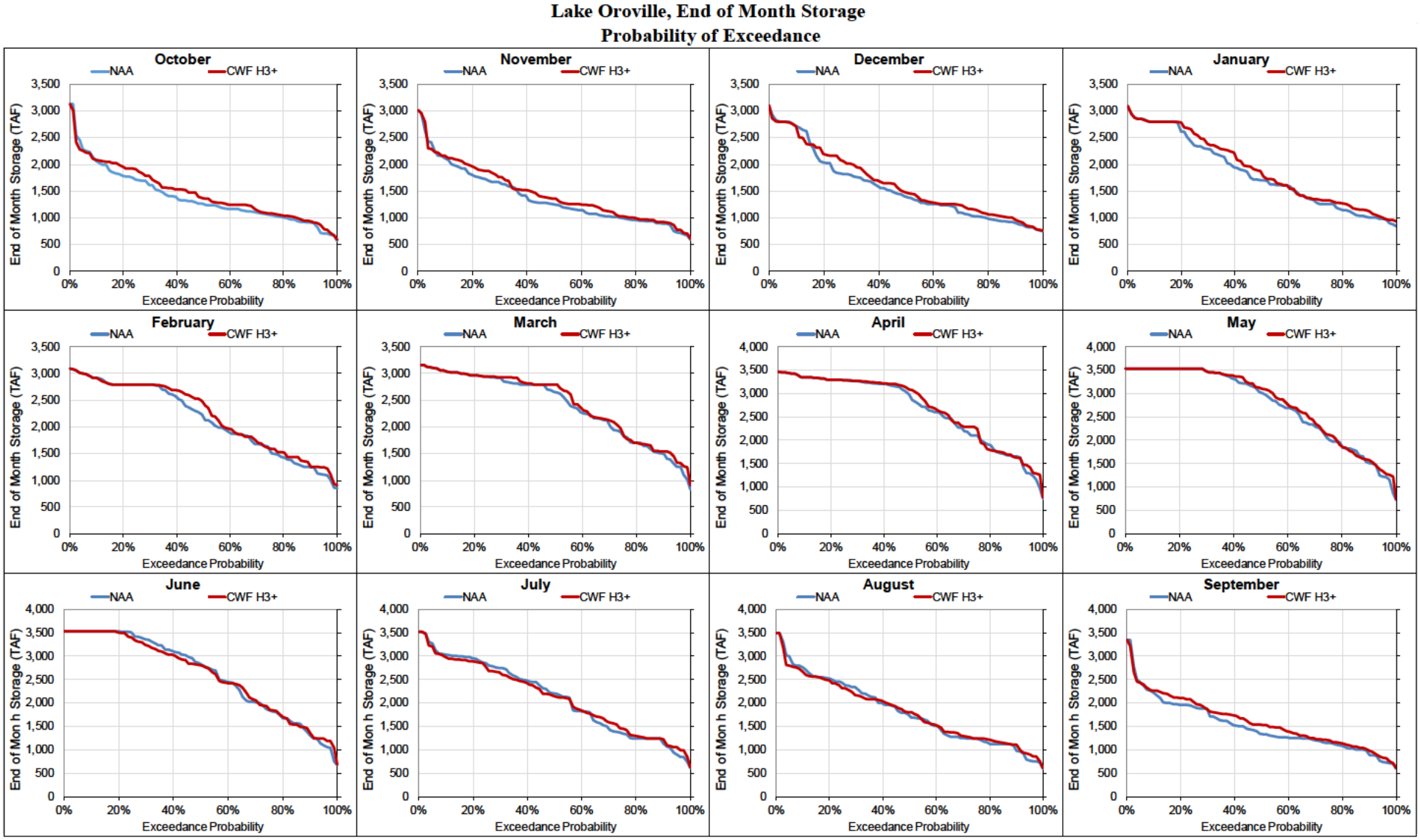
a Exceedance probability is defined as the probability a given value will be exceeded in any one year. b Based on the 82-year simulation period. c Under projected conditions at year 2030, including Q5 climate and 15 cm sea level rise. d There are 26 wet years, 13 above normal years, 11 below normal years,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

Figure 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



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



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