Storage and Elevation
Monthly Summary Tables and
Exceedance Probability Charts

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

Without Action **103118**

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	12	12	12	41	47	23	13	57	12	12	12	12
20%	12	12	12	12	12	12	12	12	12	12	12	12
30%	12	12	12	12	12	12	12	12	12	12	12	12
40%	12	12	12	12	12	12	12	12	12	12	12	12
50%	12	12	12	12	12	12	12	12	12	12	12	12
60%	12	12	12	12	12	12	12	12	12	12	12	12
70%	12	12	12	12	12	12	12	12	12	12	12	12
80%	12	12	12	12	12	12	12	12	12	12	12	12
90%	12	12	12	12	12	12	12	12	12	12	12	12
Long Term												
Full Simulation Period[a]	12	14	19	29	28	29	22	31	26	16	12	12
Water Year Types[b,c]												
Wet (32%)	12	12	19	59	55	59	42	70	55	23	12	12
Above Normal (16%)	12	24	19	23	22	23	15	17	12	12	12	12
Below Normal (13%)	12	12	12	12	12	12	14	12	12	12	12	12
Dry (24%)	12	12	26	12	14	13	12	12	12	12	12	12
Critical (15%)	12	12	12	12	12	12	12	12	12	12	12	12

Current Operations 102818

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,850	1,839	1,850	1,900	2,000	2,100	2,300	2,354	2,300	2,249	2,128	1,922
20%	1,809	1,750	1,806	1,874	2,000	2,100	2,270	2,281	2,221	2,093	1,962	1,855
30%	1,515	1,554	1,655	1,757	1,950	2,096	2,226	2,163	2,059	1,914	1,759	1,604
40%	1,419	1,422	1,533	1,668	1,782	2,002	2,147	2,081	1,961	1,800	1,599	1,425
50%	1,256	1,278	1,386	1,524	1,685	1,788	1,927	1,880	1,799	1,655	1,482	1,344
60%	1,169	1,183	1,275	1,344	1,532	1,669	1,805	1,724	1,657	1,507	1,332	1,208
70%	1,078	1,082	1,136	1,204	1,290	1,430	1,559	1,598	1,509	1,380	1,226	1,101
80%	899	932	959	999	1,092	1,284	1,453	1,383	1,307	1,170	1,023	929
90%	656	675	677	701	812	916	1,037	978	920	857	757	675
Long Term												
Full Simulation Period[a]	1,264	1,270	1,332	1,414	1,541	1,669	1,814	1,791	1,728	1,602	1,455	1,319
Water Year Types[b,c]												
Wet (32%)	1,696	1,681	1,698	1,768	1,937	2,063	2,233	2,257	2,203	2,091	1,958	1,791
Above Normal (16%)	1,479	1,468	1,506	1,513	1,725	1,910	2,096	2,070	1,983	1,854	1,689	1,538
Below Normal (13%)	1,170	1,182	1,258	1,493	1,581	1,684	1,841	1,766	1,674	1,513	1,339	1,198
Dry (24%)	1,028	1,069	1,212	1,205	1,298	1,431	1,568	1,520	1,456	1,310	1,160	1,050
Critical (15%)	574	580	621	814	856	937	988	953	927	839	708	618

Current Operations 102818 minus Without Action **103118**

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,837	1,827	1,838	1,859	1,953	2,077	2,287	2,296	2,287	2,237	2,115	1,910
20%	1,797	1,737	1,793	1,862	1,988	2,088	2,257	2,269	2,208	2,081	1,950	1,843
30%	1,503	1,541	1,643	1,745	1,938	2,083	2,213	2,150	2,047	1,902	1,746	1,592
40%	1,407	1,410	1,521	1,655	1,770	1,990	2,135	2,068	1,948	1,788	1,587	1,412
50%	1,243	1,266	1,374	1,511	1,672	1,775	1,914	1,867	1,786	1,642	1,469	1,331
60%	1,157	1,170	1,262	1,332	1,520	1,657	1,793	1,712	1,644	1,495	1,319	1,196
70%	1,066	1,069	1,124	1,191	1,278	1,418	1,547	1,586	1,497	1,368	1,213	1,088
80%	886	920	947	987	1,079	1,272	1,441	1,371	1,295	1,158	1,010	916
90%	644	663	665	689	800	904	1,025	966	908	845	745	663
Long Term												
Full Simulation Period[a]	1,251	1,256	1,314	1,385	1,514	1,640	1,792	1,760	1,702	1,587	1,442	1,307
Water Year Types[b,c]												
Wet (32%)	1,683	1,668	1,679	1,709	1,882	2,003	2,190	2,187	2,148	2,069	1,946	1,779
Above Normal (16%)	1,467	1,443	1,487	1,491	1,702	1,887	2,081	2,053	1,971	1,841	1,676	1,526
Below Normal (13%)	1,157	1,170	1,246	1,481	1,569	1,672	1,828	1,754	1,661	1,501	1,327	1,186
Dry (24%)	1,016	1,057	1,187	1,192	1,284	1,418	1,555	1,508	1,443	1,297	1,147	1,038
Critical (15%)	561	568	609	801	843	925	976	940	914	827	696	606

a Based on 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 These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

e These are draft results meant for qualitative analysis and are subject to revision.

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

Without Action **103118**

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	12	12	12	41	47	23	13	57	12	12	12	12
20%	12	12	12	12	12	12	12	12	12	12	12	12
30%	12	12	12	12	12	12	12	12	12	12	12	12
40%	12	12	12	12	12	12	12	12	12	12	12	12
50%	12	12	12	12	12	12	12	12	12	12	12	12
60%	12	12	12	12	12	12	12	12	12	12	12	12
70%	12	12	12	12	12	12	12	12	12	12	12	12
80%	12	12	12	12	12	12	12	12	12	12	12	12
90%	12	12	12	12	12	12	12	12	12	12	12	12
Long Term												
Full Simulation Period[a]	12	14	19	29	28	29	22	31	26	16	12	12
Water Year Types[b,c]												
Wet (32%)	12	12	19	59	55	59	42	70	55	23	12	12
Above Normal (16%)	12	24	19	23	22	23	15	17	12	12	12	12
Below Normal (13%)	12	12	12	12	12	12	14	12	12	12	12	12
Dry (24%)	12	12	26	12	14	13	12	12	12	12	12	12
Critical (15%)	12	12	12	12	12	12	12	12	12	12	12	12

PAL 113018

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	2,300	2,354	2,314	2,261	2,130	1,975
20%	1,836	1,844	1,850	1,900	2,000	2,100	2,273	2,289	2,226	2,099	1,981	1,896
30%	1,562	1,624	1,744	1,860	2,000	2,100	2,245	2,179	2,082	1,937	1,776	1,622
40%	1,469	1,507	1,628	1,749	1,876	2,044	2,173	2,104	2,028	1,848	1,673	1,504
50%	1,351	1,352	1,516	1,681	1,749	1,888	2,061	1,957	1,858	1,701	1,530	1,388
60%	1,286	1,297	1,331	1,450	1,552	1,750	1,856	1,843	1,759	1,612	1,436	1,336
70%	1,158	1,198	1,253	1,331	1,447	1,569	1,707	1,684	1,625	1,488	1,309	1,186
80%	971	993	1,004	1,070	1,223	1,378	1,566	1,492	1,416	1,291	1,120	1,006
90%	673	725	752	779	896	947	1,071	1,048	996	896	771	680
Long Term												
Full Simulation Period[a]	1,321	1,340	1,402	1,480	1,601	1,721	1,866	1,843	1,783	1,652	1,499	1,372
Water Year Types[b,c]												
Wet (32%)	1,726	1,742	1,760	1,795	1,959	2,070	2,240	2,264	2,210	2,095	1,962	1,823
Above Normal (16%)	1,526	1,547	1,589	1,592	1,771	1,947	2,133	2,107	2,025	1,881	1,712	1,561
Below Normal (13%)	1,246	1,257	1,333	1,584	1,672	1,759	1,917	1,843	1,755	1,587	1,413	1,278
Dry (24%)	1,123	1,159	1,297	1,297	1,390	1,524	1,661	1,614	1,564	1,417	1,259	1,146
Critical (15%)	616	620	661	887	930	1,011	1,062	1,026	991	895	744	653

PAL 113018 minus Without Action **103118**

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,838	1,838	1,838	1,859	1,953	2,077	2,287	2,297	2,301	2,248	2,118	1,963
20%	1,824	1,832	1,838	1,888	1,988	2,088	2,260	2,277	2,213	2,087	1,969	1,884
30%	1,550	1,611	1,732	1,848	1,988	2,088	2,233	2,166	2,070	1,925	1,764	1,610
40%	1,456	1,495	1,616	1,737	1,864	2,031	2,160	2,092	2,015	1,836	1,661	1,492
50%	1,338	1,339	1,504	1,669	1,737	1,876	2,048	1,945	1,846	1,689	1,518	1,376
60%	1,274	1,285	1,319	1,437	1,540	1,738	1,844	1,830	1,747	1,599	1,423	1,324
70%	1,145	1,186	1,241	1,318	1,435	1,557	1,694	1,671	1,613	1,476	1,297	1,173
80%	958	980	992	1,058	1,211	1,366	1,554	1,480	1,404	1,279	1,108	993
90%	660	712	740	767	883	935	1,058	1,036	984	884	759	668
Long Term												
Full Simulation Period[a]	1,308	1,325	1,383	1,451	1,573	1,691	1,844	1,811	1,758	1,637	1,487	1,360
Water Year Types[b,c]												
Wet (32%)	1,714	1,729	1,741	1,736	1,903	2,010	2,198	2,194	2,155	2,073	1,950	1,811
Above Normal (16%)	1,513	1,523	1,570	1,569	1,749	1,924	2,117	2,090	2,013	1,869	1,700	1,549
Below Normal (13%)	1,234	1,245	1,321	1,571	1,659	1,747	1,904	1,830	1,743	1,575	1,400	1,266
Dry (24%)	1,111	1,147	1,271	1,285	1,376	1,511	1,649	1,602	1,551	1,405	1,247	1,134
Critical (15%)	604	608	648	874	917	998	1,049	1,013	978	883	731	641

a Based on 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 These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

e These are draft results meant for qualitative analysis and are subject to revision.

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

Without Action **103118**

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	12	12	12	41	47	23	13	57	12	12	12	12
20%	12	12	12	12	12	12	12	12	12	12	12	12
30%	12	12	12	12	12	12	12	12	12	12	12	12
40%	12	12	12	12	12	12	12	12	12	12	12	12
50%	12	12	12	12	12	12	12	12	12	12	12	12
60%	12	12	12	12	12	12	12	12	12	12	12	12
70%	12	12	12	12	12	12	12	12	12	12	12	12
80%	12	12	12	12	12	12	12	12	12	12	12	12
90%	12	12	12	12	12	12	12	12	12	12	12	12
Long Term												
Full Simulation Period[a]	12	14	19	29	28	29	22	31	26	16	12	12
Water Year Types[b,c]												
Wet (32%)	12	12	19	59	55	59	42	70	55	23	12	12
Above Normal (16%)	12	24	19	23	22	23	15	17	12	12	12	12
Below Normal (13%)	12	12	12	12	12	12	14	12	12	12	12	12
Dry (24%)	12	12	26	12	14	13	12	12	12	12	12	12
Critical (15%)	12	12	12	12	12	12	12	12	12	12	12	12

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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	2,300	2,354	2,314	2,261	2,130	1,975
20%	1,782	1,819	1,850	1,900	2,000	2,100	2,272	2,277	2,219	2,078	1,990	1,828
30%	1,540	1,600	1,674	1,790	1,977	2,095	2,229	2,165	2,081	1,913	1,746	1,597
40%	1,380	1,444	1,582	1,694	1,835	2,007	2,146	2,076	1,953	1,786	1,584	1,423
50%	1,276	1,293	1,425	1,592	1,729	1,842	2,021	1,923	1,794	1,648	1,444	1,314
60%	1,194	1,210	1,279	1,388	1,522	1,684	1,805	1,764	1,678	1,485	1,338	1,233
70%	1,098	1,120	1,208	1,214	1,397	1,532	1,631	1,619	1,566	1,423	1,242	1,116
80%	973	984	984	1,062	1,148	1,293	1,480	1,469	1,384	1,232	1,082	959
90%	654	718	729	749	811	917	1,068	1,023	971	872	755	673
Long Term												
Full Simulation Period[a]	1,278	1,300	1,364	1,446	1,571	1,694	1,839	1,816	1,751	1,612	1,456	1,329
Water Year Types[b,c]												
Wet (32%)	1,710	1,728	1,750	1,779	1,946	2,066	2,238	2,262	2,208	2,093	1,951	1,808
Above Normal (16%)	1,471	1,496	1,537	1,533	1,726	1,910	2,096	2,070	1,976	1,828	1,653	1,509
Below Normal (13%)	1,173	1,182	1,258	1,552	1,640	1,728	1,883	1,808	1,706	1,539	1,352	1,208
Dry (24%)	1,050	1,092	1,234	1,245	1,341	1,474	1,609	1,561	1,496	1,335	1,182	1,070
Critical (15%)	611	615	655	868	912	991	1,042	1,007	981	863	723	638

PAU 113018 minus Without Action **103118**

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,838	1,838	1,838	1,859	1,953	2,077	2,287	2,296	2,301	2,248	2,118	1,963
20%	1,770	1,806	1,838	1,888	1,988	2,088	2,260	2,264	2,207	2,066	1,977	1,816
30%	1,528	1,587	1,662	1,778	1,965	2,083	2,217	2,153	2,068	1,900	1,733	1,585
40%	1,367	1,431	1,570	1,681	1,823	1,995	2,134	2,064	1,941	1,773	1,571	1,410
50%	1,263	1,281	1,413	1,579	1,716	1,830	2,009	1,911	1,782	1,636	1,431	1,302
60%	1,182	1,197	1,266	1,375	1,510	1,672	1,793	1,752	1,666	1,473	1,325	1,220
70%	1,086	1,107	1,196	1,202	1,384	1,520	1,619	1,606	1,553	1,411	1,229	1,104
80%	961	971	972	1,050	1,136	1,281	1,467	1,457	1,372	1,219	1,070	946
90%	642	705	717	737	799	904	1,056	1,011	959	860	742	661
Long Term												
Full Simulation Period[a]	1,266	1,286	1,345	1,417	1,543	1,665	1,817	1,785	1,725	1,596	1,444	1,316
Water Year Types[b,c]												
Wet (32%)	1,698	1,715	1,731	1,720	1,891	2,007	2,196	2,192	2,153	2,070	1,939	1,796
Above Normal (16%)	1,459	1,471	1,517	1,510	1,703	1,887	2,080	2,053	1,963	1,815	1,641	1,496
Below Normal (13%)	1,161	1,170	1,246	1,539	1,628	1,716	1,870	1,796	1,694	1,526	1,340	1,196
Dry (24%)	1,037	1,080	1,208	1,233	1,327	1,461	1,596	1,548	1,484	1,323	1,170	1,057
Critical (15%)	599	602	643	856	899	978	1,030	995	969	851	710	626

a Based on 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 These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

e These are draft results meant for qualitative analysis and are subject to revision.

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

Current Operations 102818

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,850	1,839	1,850	1,900	2,000	2,100	2,300	2,354	2,300	2,249	2,128	1,922
20%	1,809	1,750	1,806	1,874	2,000	2,100	2,270	2,281	2,221	2,093	1,962	1,855
30%	1,515	1,554	1,655	1,757	1,950	2,096	2,226	2,163	2,059	1,914	1,759	1,604
40%	1,419	1,422	1,533	1,668	1,782	2,002	2,147	2,081	1,961	1,800	1,599	1,425
50%	1,256	1,278	1,386	1,524	1,685	1,788	1,927	1,880	1,799	1,655	1,482	1,344
60%	1,169	1,183	1,275	1,344	1,532	1,669	1,805	1,724	1,657	1,507	1,332	1,208
70%	1,078	1,082	1,136	1,204	1,290	1,430	1,559	1,598	1,509	1,380	1,226	1,101
80%	899	932	959	999	1,092	1,284	1,453	1,383	1,307	1,170	1,023	929
90%	656	675	677	701	812	916	1,037	978	920	857	757	675
Long Term												
Full Simulation Period[a]	1,264	1,270	1,332	1,414	1,541	1,669	1,814	1,791	1,728	1,602	1,455	1,319
Water Year Types[b,c]												
Wet (32%)	1,696	1,681	1,698	1,768	1,937	2,063	2,233	2,257	2,203	2,091	1,958	1,791
Above Normal (16%)	1,479	1,468	1,506	1,513	1,725	1,910	2,096	2,070	1,983	1,854	1,689	1,538
Below Normal (13%)	1,170	1,182	1,258	1,493	1,581	1,684	1,841	1,766	1,674	1,513	1,339	1,198
Dry (24%)	1,028	1,069	1,212	1,205	1,298	1,431	1,568	1,520	1,456	1,310	1,160	1,050
Critical (15%)	574	580	621	814	856	937	988	953	927	839	708	618

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	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	2,300	2,354	2,314	2,261	2,130	1,975
20%	1,836	1,844	1,850	1,900	2,000	2,100	2,273	2,289	2,226	2,099	1,981	1,896
30%	1,562	1,624	1,744	1,860	2,000	2,100	2,245	2,179	2,082	1,937	1,776	1,622
40%	1,469	1,507	1,628	1,749	1,876	2,044	2,173	2,104	2,028	1,848	1,673	1,504
50%	1,351	1,352	1,516	1,681	1,749	1,888	2,061	1,957	1,858	1,701	1,530	1,388
60%	1,286	1,297	1,331	1,450	1,552	1,750	1,856	1,843	1,759	1,612	1,436	1,336
70%	1,158	1,198	1,253	1,331	1,447	1,569	1,707	1,684	1,625	1,488	1,309	1,186
80%	971	993	1,004	1,070	1,223	1,378	1,566	1,492	1,416	1,291	1,120	1,006
90%	673	725	752	779	896	947	1,071	1,048	996	896	771	680
Long Term												
Full Simulation Period[a]	1,321	1,340	1,402	1,480	1,601	1,721	1,866	1,843	1,783	1,652	1,499	1,372
Water Year Types[b,c]												
Wet (32%)	1,726	1,742	1,760	1,795	1,959	2,070	2,240	2,264	2,210	2,095	1,962	1,823
Above Normal (16%)	1,526	1,547	1,589	1,592	1,771	1,947	2,133	2,107	2,025	1,881	1,712	1,561
Below Normal (13%)	1,246	1,257	1,333	1,584	1,672	1,759	1,917	1,843	1,755	1,587	1,413	1,278
Dry (24%)	1,123	1,159	1,297	1,297	1,390	1,524	1,661	1,614	1,564	1,417	1,259	1,146
Critical (15%)	616	620	661	887	930	1,011	1,062	1,026	991	895	744	653

PAL 113018 minus Current Operations 102818

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	11	0	0	0	0	0	0	14	11	3	53
20%	27	95	44	26	0	0	3	8	5	5	19	41
30%	47	70	89	103	50	4	19	16	23	23	17	18
40%	50	85	95	82	94	42	25	24	67	48	74	80
50%	95	74	130	158	64	101	134	78	59	46	49	44
60%	117	114	56	105	20	82	51	118	103	105	104	128
70%	79	116	117	127	157	139	147	85	116	108	83	85
80%	72	60	45	71	131	94	113	109	109	121	98	77
90%	17	50	75	78	83	31	33	70	76	39	14	5
Long Term												
Full Simulation Period[a]	57	70	69	66	60	52	52	52	56	50	44	53
Water Year Types[b,c]												
Wet (32%)	31	61	63	27	22	7	7	7	7	4	5	33
Above Normal (16%)	47	79	82	79	46	37	36	36	42	27	23	23
Below Normal (13%)	77	75	75	91	91	75	76	76	81	75	73	79
Dry (24%)	95	90	84	93	92	93	93	94	108	107	99	96
Critical (15%)	43	40	40	73	74	73	74	73	64	56	36	35

a Based on 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 These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

e These are draft results meant for qualitative analysis and are subject to revision.

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

Current Operations 102818

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,850	1,839	1,850	1,900	2,000	2,100	2,300	2,354	2,300	2,249	2,128	1,922
20%	1,809	1,750	1,806	1,874	2,000	2,100	2,270	2,281	2,221	2,093	1,962	1,855
30%	1,515	1,554	1,655	1,757	1,950	2,096	2,226	2,163	2,059	1,914	1,759	1,604
40%	1,419	1,422	1,533	1,668	1,782	2,002	2,147	2,081	1,961	1,800	1,599	1,425
50%	1,256	1,278	1,386	1,524	1,685	1,788	1,927	1,880	1,799	1,655	1,482	1,344
60%	1,169	1,183	1,275	1,344	1,532	1,669	1,805	1,724	1,657	1,507	1,332	1,208
70%	1,078	1,082	1,136	1,204	1,290	1,430	1,559	1,598	1,509	1,380	1,226	1,101
80%	899	932	959	999	1,092	1,284	1,453	1,383	1,307	1,170	1,023	929
90%	656	675	677	701	812	916	1,037	978	920	857	757	675
Long Term												
Full Simulation Period[a]	1,264	1,270	1,332	1,414	1,541	1,669	1,814	1,791	1,728	1,602	1,455	1,319
Water Year Types[b,c]												
Wet (32%)	1,696	1,681	1,698	1,768	1,937	2,063	2,233	2,257	2,203	2,091	1,958	1,791
Above Normal (16%)	1,479	1,468	1,506	1,513	1,725	1,910	2,096	2,070	1,983	1,854	1,689	1,538
Below Normal (13%)	1,170	1,182	1,258	1,493	1,581	1,684	1,841	1,766	1,674	1,513	1,339	1,198
Dry (24%)	1,028	1,069	1,212	1,205	1,298	1,431	1,568	1,520	1,456	1,310	1,160	1,050
Critical (15%)	574	580	621	814	856	937	988	953	927	839	708	618

PAU 113018

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	2,300	2,354	2,314	2,261	2,130	1,975
20%	1,782	1,819	1,850	1,900	2,000	2,100	2,272	2,277	2,219	2,078	1,990	1,828
30%	1,540	1,600	1,674	1,790	1,977	2,095	2,229	2,165	2,081	1,913	1,746	1,597
40%	1,380	1,444	1,582	1,694	1,835	2,007	2,146	2,076	1,953	1,786	1,584	1,423
50%	1,276	1,293	1,425	1,592	1,729	1,842	2,021	1,923	1,794	1,648	1,444	1,314
60%	1,194	1,210	1,279	1,388	1,522	1,684	1,805	1,764	1,678	1,485	1,338	1,233
70%	1,098	1,120	1,208	1,214	1,397	1,532	1,631	1,619	1,566	1,423	1,242	1,116
80%	973	984	984	1,062	1,148	1,293	1,480	1,469	1,384	1,232	1,082	959
90%	654	718	729	749	811	917	1,068	1,023	971	872	755	673
Long Term												
Full Simulation Period[a]	1,278	1,300	1,364	1,446	1,571	1,694	1,839	1,816	1,751	1,612	1,456	1,329
Water Year Types[b,c]												
Wet (32%)	1,710	1,728	1,750	1,779	1,946	2,066	2,238	2,262	2,208	2,093	1,951	1,808
Above Normal (16%)	1,471	1,496	1,537	1,533	1,726	1,910	2,096	2,070	1,976	1,828	1,653	1,509
Below Normal (13%)	1,173	1,182	1,258	1,552	1,640	1,728	1,883	1,808	1,706	1,539	1,352	1,208
Dry (24%)	1,050	1,092	1,234	1,245	1,341	1,474	1,609	1,561	1,496	1,335	1,182	1,070
Critical (15%)	611	615	655	868	912	991	1,042	1,007	981	863	723	638

PAU 113018 minus Current Operations 102818

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	11	0	0	0	0	**0**	0	14	11	3	53
20%	**-27**	69	44	26	0	0	3	**-4**	**-2**	**-15**	28	**-27**
30%	25	46	19	33	27	**0**	3	3	21	**-2**	**-13**	**-7**
40%	**-39**	22	49	26	53	5	**-1**	**-5**	**-7**	**-15**	**-16**	**-2**
50%	20	15	40	68	44	55	94	44	**-4**	**-7**	**-38**	**-29**
60%	25	27	4	43	**-10**	16	0	40	22	**-22**	6	24
70%	20	38	72	11	106	102	72	20	57	43	16	16
80%	74	51	25	63	56	9	27	86	77	62	59	30
90%	**-2**	42	52	48	**-1**	1	31	45	51	15	**-2**	**-2**
Long Term												
Full Simulation Period[a]	15	30	32	32	30	25	25	25	23	9	2	10
Water Year Types[b,c]												
Wet (32%)	15	47	52	10	9	4	5	5	5	1	**-7**	17
Above Normal (16%)	**-8**	28	30	19	1	0	**-1**	**-1**	**-8**	**-26**	**-36**	**-29**
Below Normal (13%)	4	0	**0**	59	59	44	42	42	33	26	13	10
Dry (24%)	21	23	22	41	42	43	41	40	40	25	23	20
Critical (15%)	37	35	34	55	56	53	54	54	55	24	15	20

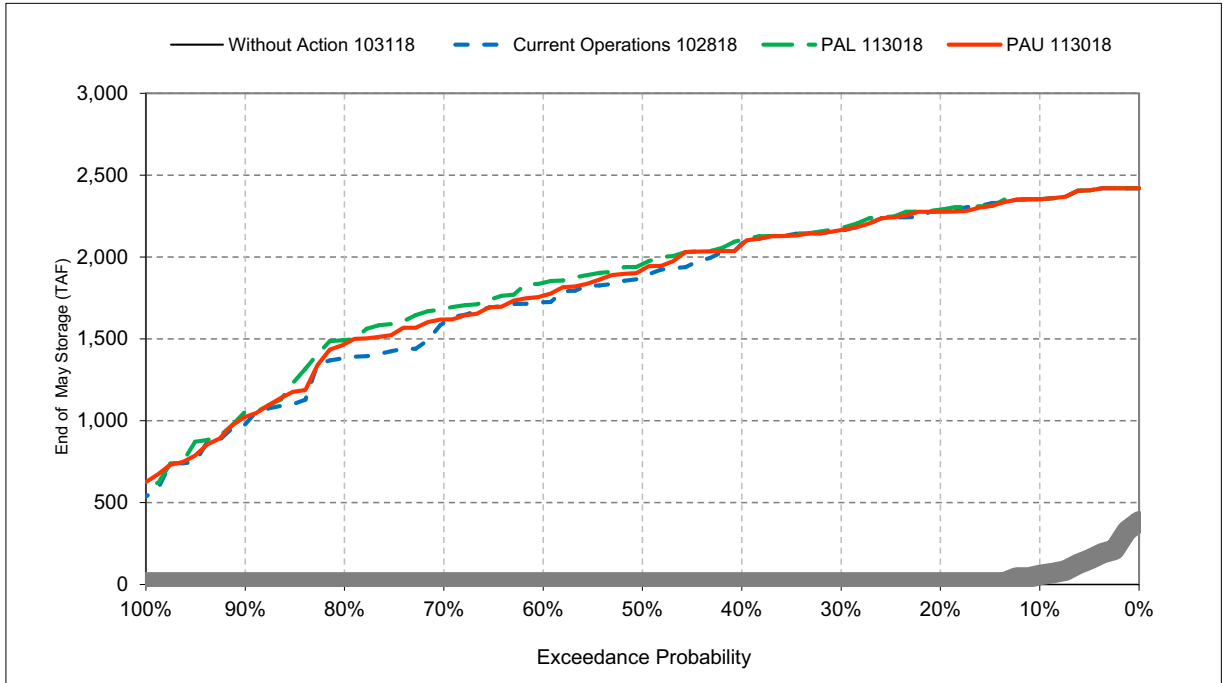a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

e These are draft results meant for qualitative analysis and are subject to revision.

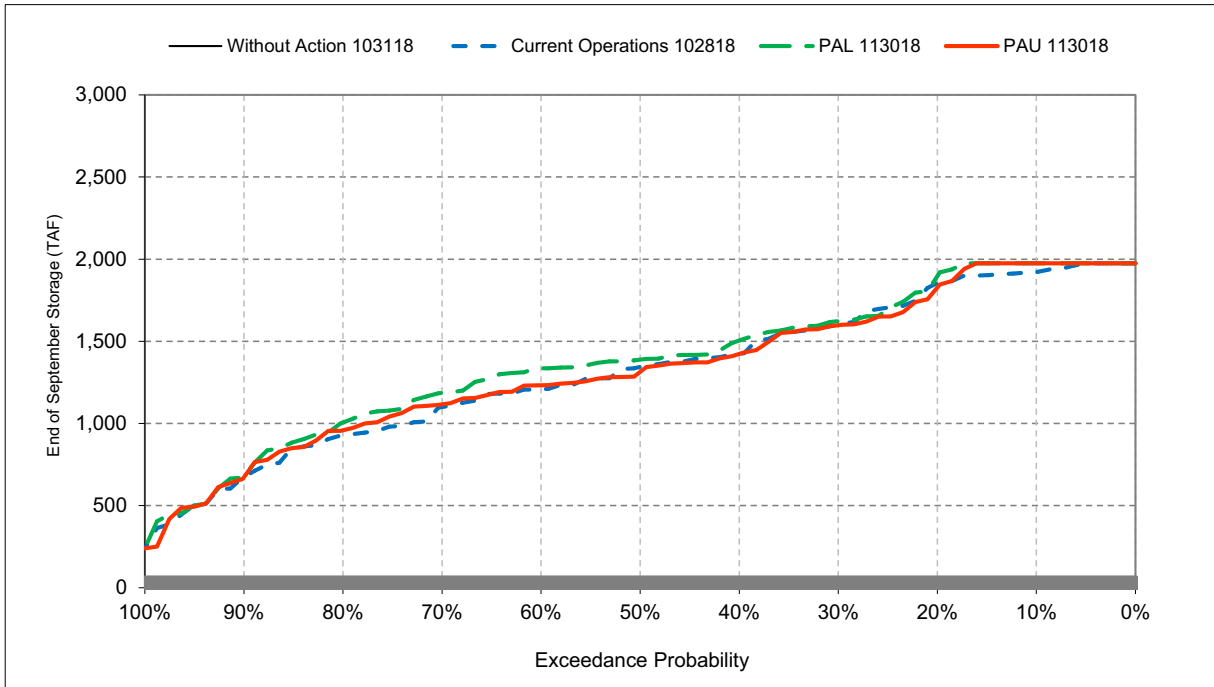**Figure 1-1. Trinity Lake Storage, End of May Storage**

*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.
*These are draft results meant for qualitative analysis and are subject to revision.

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

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

*All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

*These are draft results meant for qualitative analysis and are subject to revision.

Table 1a-1. Trinity Lake Elevation, End of Month Elevation

Without Action **103118**

Statistic	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,953	1,953	1,953	1,972	1,976	1,960	1,954	1,983	1,953	1,953	1,953	1,953
20%	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953
30%	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953
40%	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953
50%	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953
60%	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953
70%	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953
80%	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953
90%	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953
Long Term												
Full Simulation Period[a]	1,953	1,954	1,957	1,964	1,963	1,964	1,960	1,965	1,961	1,955	1,953	1,953
Water Year Types[b,c]												
Wet (32%)	1,953	1,953	1,957	1,984	1,979	1,984	1,973	1,989	1,979	1,960	1,953	1,953
Above Normal (16%)	1,953	1,961	1,957	1,960	1,960	1,960	1,955	1,956	1,953	1,953	1,953	1,953
Below Normal (13%)	1,953	1,953	1,953	1,953	1,953	1,953	1,954	1,953	1,953	1,953	1,953	1,953
Dry (24%)	1,953	1,953	1,962	1,953	1,954	1,953	1,953	1,953	1,953	1,953	1,953	1,953
Critical (15%)	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953

Current Operations 102818

Statistic	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,332	2,331	2,332	2,337	2,345	2,350	2,361	2,364	2,361	2,358	2,352	2,338
20%	2,329	2,324	2,328	2,334	2,345	2,350	2,359	2,360	2,357	2,350	2,342	2,333
30%	2,304	2,307	2,316	2,324	2,341	2,350	2,357	2,354	2,348	2,338	2,324	2,311
40%	2,296	2,296	2,305	2,317	2,326	2,345	2,353	2,349	2,342	2,328	2,311	2,296
50%	2,282	2,284	2,293	2,305	2,318	2,327	2,339	2,335	2,328	2,316	2,301	2,289
60%	2,273	2,274	2,283	2,289	2,305	2,317	2,328	2,322	2,316	2,303	2,288	2,277
70%	2,264	2,264	2,270	2,276	2,285	2,297	2,308	2,311	2,303	2,292	2,279	2,266
80%	2,243	2,247	2,250	2,255	2,265	2,284	2,299	2,293	2,286	2,273	2,258	2,247
90%	2,210	2,213	2,213	2,216	2,232	2,245	2,259	2,252	2,246	2,238	2,224	2,213
Long Term												
Full Simulation Period[a]	2,275	2,276	2,282	2,290	2,302	2,313	2,324	2,322	2,317	2,307	2,294	2,281
Water Year Types[b,c]												
Wet (32%)	2,319	2,318	2,319	2,325	2,339	2,348	2,357	2,359	2,355	2,348	2,339	2,327
Above Normal (16%)	2,301	2,300	2,303	2,302	2,321	2,336	2,348	2,347	2,341	2,332	2,319	2,306
Below Normal (13%)	2,270	2,271	2,278	2,299	2,308	2,317	2,329	2,323	2,316	2,303	2,287	2,274
Dry (24%)	2,256	2,260	2,274	2,272	2,282	2,294	2,307	2,303	2,298	2,284	2,270	2,259
Critical (15%)	2,185	2,189	2,197	2,224	2,231	2,243	2,250	2,246	2,243	2,233	2,214	2,197

Current Operations 102818 minus Without Action **103118**

Statistic	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	379	378	379	365	369	390	407	382	408	405	399	385
20%	376	371	375	381	392	397	406	407	404	397	389	380
30%	351	354	363	371	388	397	404	401	395	385	371	358
40%	343	343	352	364	373	391	400	396	389	375	358	343
50%	328	331	340	351	365	374	386	382	375	363	348	336
60%	320	321	330	336	352	364	375	368	363	350	335	324
70%	311	311	316	323	332	344	354	358	350	339	325	313
80%	290	294	297	302	312	331	345	340	333	320	304	294
90%	257	259	260	263	279	292	306	299	293	285	271	259
Long Term												
Full Simulation Period[a]	322	322	325	326	340	349	364	357	356	352	341	328
Water Year Types[b,c]												
Wet (32%)	366	365	362	342	360	364	384	370	377	388	386	374
Above Normal (16%)	347	339	345	342	361	375	393	391	388	379	365	353
Below Normal (13%)	317	318	325	346	355	363	375	370	363	349	334	320
Dry (24%)	303	307	312	319	327	341	354	350	344	331	317	306
Critical (15%)	232	236	244	270	277	290	297	293	290	280	261	244

a Based on 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 These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

e These are draft results meant for qualitative analysis and are subject to revision.

Table 1a-2. Trinity Lake Elevation, End of Month Elevation

Without Action **103118**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
End of Month Elevation (FEET)												
Probability of Exceedance												
10%	1,953	1,953	1,953	1,972	1,976	1,960	1,954	1,983	1,953	1,953	1,953	1,953
20%	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953
30%	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953
40%	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953
50%	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953
60%	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953
70%	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953
80%	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953
90%	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953
Long Term												
Full Simulation Period[a]	1,953	1,954	1,957	1,964	1,963	1,964	1,960	1,965	1,961	1,955	1,953	1,953
Water Year Types[b,c]												
Wet (32%)	1,953	1,953	1,957	1,984	1,979	1,984	1,973	1,989	1,979	1,960	1,953	1,953
Above Normal (16%)	1,953	1,961	1,957	1,960	1,960	1,960	1,955	1,956	1,953	1,953	1,953	1,953
Below Normal (13%)	1,953	1,953	1,953	1,953	1,953	1,953	1,954	1,953	1,953	1,953	1,953	1,953
Dry (24%)	1,953	1,953	1,962	1,953	1,954	1,953	1,953	1,953	1,953	1,953	1,953	1,953
Critical (15%)	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953

PAL 113018

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
End of Month Elevation (FEET)												
Probability of Exceedance												
10%	2,332	2,332	2,332	2,337	2,345	2,350	2,361	2,364	2,362	2,359	2,352	2,343
20%	2,331	2,332	2,332	2,337	2,345	2,350	2,360	2,360	2,357	2,350	2,343	2,336
30%	2,308	2,313	2,323	2,333	2,345	2,350	2,358	2,355	2,349	2,340	2,326	2,313
40%	2,300	2,303	2,313	2,324	2,334	2,347	2,354	2,351	2,346	2,332	2,317	2,303
50%	2,290	2,290	2,304	2,318	2,324	2,336	2,348	2,341	2,333	2,320	2,305	2,293
60%	2,285	2,285	2,288	2,298	2,307	2,324	2,333	2,332	2,325	2,312	2,297	2,289
70%	2,272	2,276	2,281	2,288	2,298	2,308	2,320	2,318	2,313	2,302	2,286	2,275
80%	2,252	2,254	2,255	2,263	2,278	2,292	2,308	2,302	2,295	2,285	2,268	2,256
90%	2,212	2,220	2,224	2,227	2,243	2,249	2,263	2,261	2,255	2,243	2,226	2,213
Long Term												
Full Simulation Period[a]	2,281	2,283	2,289	2,297	2,308	2,318	2,328	2,327	2,322	2,312	2,298	2,286
Water Year Types[b,c]												
Wet (32%)	2,322	2,323	2,325	2,328	2,341	2,348	2,358	2,359	2,356	2,348	2,340	2,330
Above Normal (16%)	2,305	2,307	2,310	2,309	2,325	2,339	2,350	2,349	2,344	2,334	2,321	2,308
Below Normal (13%)	2,278	2,279	2,285	2,308	2,316	2,323	2,335	2,330	2,323	2,309	2,294	2,281
Dry (24%)	2,266	2,270	2,282	2,280	2,290	2,302	2,315	2,311	2,307	2,294	2,280	2,269
Critical (15%)	2,196	2,198	2,205	2,234	2,240	2,251	2,258	2,254	2,251	2,240	2,218	2,202

PAL 113018 minus Without Action **103118**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
End of Month Elevation (FEET)												
Probability of Exceedance												
10%	379	379	379	365	369	390	407	382	409	406	399	390
20%	378	379	379	383	392	397	406	407	404	397	390	383
30%	355	360	370	380	392	397	405	401	396	387	373	360
40%	347	350	360	371	381	394	401	397	393	379	364	350
50%	337	337	351	365	371	382	395	388	380	366	352	340
60%	331	332	335	345	354	371	380	379	371	359	344	336
70%	319	323	328	335	345	355	367	365	360	348	333	321
80%	299	301	302	310	325	339	355	349	342	332	315	303
90%	259	267	271	274	290	296	310	307	301	290	273	260
Long Term												
Full Simulation Period[a]	328	329	332	333	345	354	369	362	361	356	345	333
Water Year Types[b,c]												
Wet (32%)	369	370	367	344	362	364	385	370	377	389	387	377
Above Normal (16%)	352	346	353	349	365	378	395	393	391	381	367	355
Below Normal (13%)	325	326	332	354	363	370	381	376	370	356	341	328
Dry (24%)	313	317	320	327	336	349	362	358	354	341	326	316
Critical (15%)	242	245	252	281	286	298	305	301	298	287	265	249

a Based on 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 These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

e These are draft results meant for qualitative analysis and are subject to revision.

Table 1a-3. Trinity Lake Elevation, End of Month Elevation

Without Action **103118**

Statistic	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,953	1,953	1,953	1,972	1,976	1,960	1,954	1,983	1,953	1,953	1,953	1,953
20%	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953
30%	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953
40%	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953
50%	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953
60%	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953
70%	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953
80%	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953
90%	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953
Long Term												
Full Simulation Period[a]	1,953	1,954	1,957	1,964	1,963	1,964	1,960	1,965	1,961	1,955	1,953	1,953
Water Year Types[b,c]												
Wet (32%)	1,953	1,953	1,957	1,984	1,979	1,984	1,973	1,989	1,979	1,960	1,953	1,953
Above Normal (16%)	1,953	1,961	1,957	1,960	1,960	1,960	1,955	1,956	1,953	1,953	1,953	1,953
Below Normal (13%)	1,953	1,953	1,953	1,953	1,953	1,953	1,954	1,953	1,953	1,953	1,953	1,953
Dry (24%)	1,953	1,953	1,962	1,953	1,954	1,953	1,953	1,953	1,953	1,953	1,953	1,953
Critical (15%)	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953	1,953

PAU 113018

Statistic	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,332	2,332	2,332	2,337	2,345	2,350	2,361	2,364	2,362	2,359	2,352	2,343
20%	2,326	2,330	2,332	2,337	2,345	2,350	2,360	2,360	2,357	2,349	2,344	2,330
30%	2,306	2,311	2,317	2,327	2,343	2,350	2,357	2,354	2,349	2,338	2,323	2,311
40%	2,292	2,298	2,309	2,319	2,331	2,345	2,353	2,349	2,341	2,327	2,310	2,296
50%	2,284	2,285	2,296	2,310	2,322	2,332	2,346	2,338	2,328	2,315	2,298	2,287
60%	2,275	2,277	2,284	2,293	2,304	2,318	2,328	2,325	2,318	2,301	2,289	2,279
70%	2,266	2,268	2,277	2,277	2,294	2,305	2,314	2,313	2,308	2,296	2,280	2,268
80%	2,252	2,253	2,253	2,262	2,271	2,285	2,301	2,300	2,293	2,279	2,264	2,250
90%	2,210	2,219	2,220	2,223	2,232	2,245	2,263	2,258	2,252	2,240	2,224	2,212
Long Term												
Full Simulation Period[a]	2,277	2,279	2,286	2,294	2,305	2,316	2,326	2,324	2,320	2,308	2,294	2,282
Water Year Types[b,c]												
Wet (32%)	2,320	2,322	2,324	2,326	2,340	2,348	2,358	2,359	2,356	2,348	2,339	2,329
Above Normal (16%)	2,300	2,302	2,306	2,304	2,321	2,336	2,348	2,347	2,341	2,330	2,316	2,303
Below Normal (13%)	2,271	2,271	2,278	2,305	2,313	2,320	2,332	2,327	2,319	2,305	2,288	2,275
Dry (24%)	2,259	2,263	2,276	2,276	2,286	2,298	2,311	2,307	2,301	2,287	2,273	2,261
Critical (15%)	2,192	2,196	2,204	2,232	2,238	2,249	2,256	2,252	2,250	2,235	2,213	2,197

PAU 113018 minus Without Action **103118**

Statistic	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	379	379	379	365	369	390	407	382	409	406	399	390
20%	373	376	379	383	392	397	406	407	404	396	391	377
30%	353	358	364	374	390	397	404	401	396	384	370	358
40%	339	345	356	366	378	392	400	396	388	374	356	343
50%	330	332	343	357	369	378	393	385	374	362	345	334
60%	322	324	331	340	351	365	375	372	365	348	336	326
70%	313	315	324	324	341	352	361	359	355	343	327	315
80%	299	300	300	309	318	332	348	347	340	326	311	297
90%	256	266	267	270	279	292	310	305	299	287	271	259
Long Term												
Full Simulation Period[a]	324	325	328	330	343	352	367	359	358	353	341	329
Water Year Types[b,c]												
Wet (32%)	367	369	366	343	361	364	385	370	377	388	386	376
Above Normal (16%)	347	341	348	344	361	376	393	391	388	377	362	350
Below Normal (13%)	318	318	325	352	360	367	378	373	366	352	335	322
Dry (24%)	306	310	314	322	331	345	357	354	348	334	320	308
Critical (15%)	239	243	251	279	285	296	303	299	296	282	260	244

a Based on 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 These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

e These are draft results meant for qualitative analysis and are subject to revision.

Table 1a-4. Trinity Lake Elevation, End of Month Elevation

Current Operations 102818

Statistic	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,332	2,331	2,332	2,337	2,345	2,350	2,361	2,364	2,361	2,358	2,352	2,338
20%	2,329	2,324	2,328	2,334	2,345	2,350	2,359	2,360	2,357	2,350	2,342	2,333
30%	2,304	2,307	2,316	2,324	2,341	2,350	2,357	2,354	2,348	2,338	2,324	2,311
40%	2,296	2,296	2,305	2,317	2,326	2,345	2,353	2,349	2,342	2,328	2,311	2,296
50%	2,282	2,284	2,293	2,305	2,318	2,327	2,339	2,335	2,328	2,316	2,301	2,289
60%	2,273	2,274	2,283	2,289	2,305	2,317	2,328	2,322	2,316	2,303	2,288	2,277
70%	2,264	2,264	2,270	2,276	2,285	2,297	2,308	2,311	2,303	2,292	2,279	2,266
80%	2,243	2,247	2,250	2,255	2,265	2,284	2,299	2,293	2,286	2,273	2,258	2,247
90%	2,210	2,213	2,213	2,216	2,232	2,245	2,259	2,252	2,246	2,238	2,224	2,213
Long Term												
Full Simulation Period[a]	2,275	2,276	2,282	2,290	2,302	2,313	2,324	2,322	2,317	2,307	2,294	2,281
Water Year Types[b,c]												
Wet (32%)	2,319	2,318	2,319	2,325	2,339	2,348	2,357	2,359	2,355	2,348	2,339	2,327
Above Normal (16%)	2,301	2,300	2,303	2,302	2,321	2,336	2,348	2,347	2,341	2,332	2,319	2,306
Below Normal (13%)	2,270	2,271	2,278	2,299	2,308	2,317	2,329	2,323	2,316	2,303	2,287	2,274
Dry (24%)	2,256	2,260	2,274	2,272	2,282	2,294	2,307	2,303	2,298	2,284	2,270	2,259
Critical (15%)	2,185	2,189	2,197	2,224	2,231	2,243	2,250	2,246	2,243	2,233	2,214	2,197

PAL 113018

Statistic	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,332	2,332	2,332	2,337	2,345	2,350	2,361	2,364	2,362	2,359	2,352	2,343
20%	2,331	2,332	2,332	2,337	2,345	2,350	2,360	2,360	2,357	2,350	2,343	2,336
30%	2,308	2,313	2,323	2,333	2,345	2,350	2,358	2,355	2,349	2,340	2,326	2,313
40%	2,300	2,303	2,313	2,324	2,334	2,347	2,354	2,351	2,346	2,332	2,317	2,303
50%	2,290	2,290	2,304	2,318	2,324	2,336	2,348	2,341	2,333	2,320	2,305	2,293
60%	2,285	2,285	2,288	2,298	2,307	2,324	2,333	2,332	2,325	2,312	2,297	2,289
70%	2,272	2,276	2,281	2,288	2,298	2,308	2,320	2,318	2,313	2,302	2,286	2,275
80%	2,252	2,254	2,255	2,263	2,278	2,292	2,308	2,302	2,295	2,285	2,268	2,256
90%	2,212	2,220	2,224	2,227	2,243	2,249	2,263	2,261	2,255	2,243	2,226	2,213
Long Term												
Full Simulation Period[a]	2,281	2,283	2,289	2,297	2,308	2,318	2,328	2,327	2,322	2,312	2,298	2,286
Water Year Types[b,c]												
Wet (32%)	2,322	2,323	2,325	2,328	2,341	2,348	2,358	2,359	2,356	2,348	2,340	2,330
Above Normal (16%)	2,305	2,307	2,310	2,309	2,325	2,339	2,350	2,349	2,344	2,334	2,321	2,308
Below Normal (13%)	2,278	2,279	2,285	2,308	2,316	2,323	2,335	2,330	2,323	2,309	2,294	2,281
Dry (24%)	2,266	2,270	2,282	2,280	2,290	2,302	2,315	2,311	2,307	2,294	2,280	2,269
Critical (15%)	2,196	2,198	2,205	2,234	2,240	2,251	2,258	2,254	2,251	2,240	2,218	2,202

PAL 113018 minus Current Operations 102818

Statistic	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	1	0	0	0	0	0	0	1	1	0	5
20%	2	8	4	2	0	0	0	0	0	0	2	4
30%	4	6	8	9	4	0	1	1	1	2	1	2
40%	4	7	8	7	8	3	1	1	5	4	6	7
50%	8	6	11	13	5	9	9	7	5	4	4	4
60%	12	11	5	9	2	7	4	10	9	9	9	12
70%	8	12	12	12	13	12	12	7	10	9	8	8
80%	8	7	5	8	13	8	10	9	9	12	10	9
90%	2	7	11	11	11	4	4	8	9	5	2	1
Long Term												
Full Simulation Period[a]	6	7	7	7	6	5	4	5	5	5	4	5
Water Year Types[b,c]												
Wet (32%)	3	5	5	2	2	0	1	0	0	0	0	3
Above Normal (16%)	4	7	7	7	4	3	2	3	3	2	2	2
Below Normal (13%)	8	8	7	8	8	6	6	6	7	6	7	8
Dry (24%)	10	9	8	9	8	8	8	8	9	10	9	10
Critical (15%)	10	9	8	10	9	8	8	8	8	7	5	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).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

e These are draft results meant for qualitative analysis and are subject to revision.

Table 1a-5. Trinity Lake Elevation, End of Month Elevation

Current Operations 102818

Statistic	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,332	2,331	2,332	2,337	2,345	2,350	2,361	2,364	2,361	2,358	2,352	2,338
20%	2,329	2,324	2,328	2,334	2,345	2,350	2,359	2,360	2,357	2,350	2,342	2,333
30%	2,304	2,307	2,316	2,324	2,341	2,350	2,357	2,354	2,348	2,338	2,324	2,311
40%	2,296	2,296	2,305	2,317	2,326	2,345	2,353	2,349	2,342	2,328	2,311	2,296
50%	2,282	2,284	2,293	2,305	2,318	2,327	2,339	2,335	2,328	2,316	2,301	2,289
60%	2,273	2,274	2,283	2,289	2,305	2,317	2,328	2,322	2,316	2,303	2,288	2,277
70%	2,264	2,264	2,270	2,276	2,285	2,297	2,308	2,311	2,303	2,292	2,279	2,266
80%	2,243	2,247	2,250	2,255	2,265	2,284	2,299	2,293	2,286	2,273	2,258	2,247
90%	2,210	2,213	2,213	2,216	2,232	2,245	2,259	2,252	2,246	2,238	2,224	2,213
Long Term												
Full Simulation Period[a]	2,275	2,276	2,282	2,290	2,302	2,313	2,324	2,322	2,317	2,307	2,294	2,281
Water Year Types[b,c]												
Wet (32%)	2,319	2,318	2,319	2,325	2,339	2,348	2,357	2,359	2,355	2,348	2,339	2,327
Above Normal (16%)	2,301	2,300	2,303	2,302	2,321	2,336	2,348	2,347	2,341	2,332	2,319	2,306
Below Normal (13%)	2,270	2,271	2,278	2,299	2,308	2,317	2,329	2,323	2,316	2,303	2,287	2,274
Dry (24%)	2,256	2,260	2,274	2,272	2,282	2,294	2,307	2,303	2,298	2,284	2,270	2,259
Critical (15%)	2,185	2,189	2,197	2,224	2,231	2,243	2,250	2,246	2,243	2,233	2,214	2,197

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Statistic	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,332	2,332	2,332	2,337	2,345	2,350	2,361	2,364	2,362	2,359	2,352	2,343
20%	2,326	2,330	2,332	2,337	2,345	2,350	2,360	2,360	2,357	2,349	2,344	2,330
30%	2,306	2,311	2,317	2,327	2,343	2,350	2,357	2,354	2,349	2,338	2,323	2,311
40%	2,292	2,298	2,309	2,319	2,331	2,345	2,353	2,349	2,341	2,327	2,310	2,296
50%	2,284	2,285	2,296	2,310	2,322	2,332	2,346	2,338	2,328	2,315	2,298	2,287
60%	2,275	2,277	2,284	2,293	2,304	2,318	2,328	2,325	2,318	2,301	2,289	2,279
70%	2,266	2,268	2,277	2,277	2,294	2,305	2,314	2,313	2,308	2,296	2,280	2,268
80%	2,252	2,253	2,253	2,262	2,271	2,285	2,301	2,300	2,293	2,279	2,264	2,250
90%	2,210	2,219	2,220	2,223	2,232	2,245	2,263	2,258	2,252	2,240	2,224	2,212
Long Term												
Full Simulation Period[a]	2,277	2,279	2,286	2,294	2,305	2,316	2,326	2,324	2,320	2,308	2,294	2,282
Water Year Types[b,c]												
Wet (32%)	2,320	2,322	2,324	2,326	2,340	2,348	2,358	2,359	2,356	2,348	2,339	2,329
Above Normal (16%)	2,300	2,302	2,306	2,304	2,321	2,336	2,348	2,347	2,341	2,330	2,316	2,303
Below Normal (13%)	2,271	2,271	2,278	2,305	2,313	2,320	2,332	2,327	2,319	2,305	2,288	2,275
Dry (24%)	2,259	2,263	2,276	2,276	2,286	2,298	2,311	2,307	2,301	2,287	2,273	2,261
Critical (15%)	2,192	2,196	2,204	2,232	2,238	2,249	2,256	2,252	2,250	2,235	2,213	2,197

PAU 113018 minus Current Operations 102818

Statistic	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	1	0	0	0	0	**0**	0	1	1	0	5
20%	**-2**	6	4	2	0	0	0	**0**	**0**	-1	2	**-2**
30%	2	4	2	3	2	**0**	0	0	1	**0**	-1	-1
40%	**-3**	2	4	2	4	1	**0**	**0**	-1	-1	-1	**0**
50%	2	1	3	6	4	5	7	4	**0**	-1	-3	-2
60%	3	3	0	4	-1	1	0	3	2	-2	1	2
70%	2	4	7	1	9	9	6	2	5	4	2	2
80%	9	6	3	7	6	1	2	7	6	6	7	3
90%	**0**	6	7	7	**0**	0	3	5	6	2	**0**	**0**
Long Term												
Full Simulation Period[a]	2	3	3	3	3	2	2	2	2	1	0	1
Water Year Types[b,c]												
Wet (32%)	1	4	5	1	1	0	0	0	0	0	**-1**	1
Above Normal (16%)	**-1**	2	3	2	0	0	0	0	**0**	-2	-3	-3
Below Normal (13%)	1	0	**0**	5	5	4	3	3	3	2	1	1
Dry (24%)	3	3	2	4	4	4	3	3	3	2	3	2
Critical (15%)	7	7	7	9	7	7	6	6	6	2	**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).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

e These are draft results meant for qualitative analysis and are subject to revision.

Figure 1a-1. Trinity Lake, Reservoir Pool Elevation, May
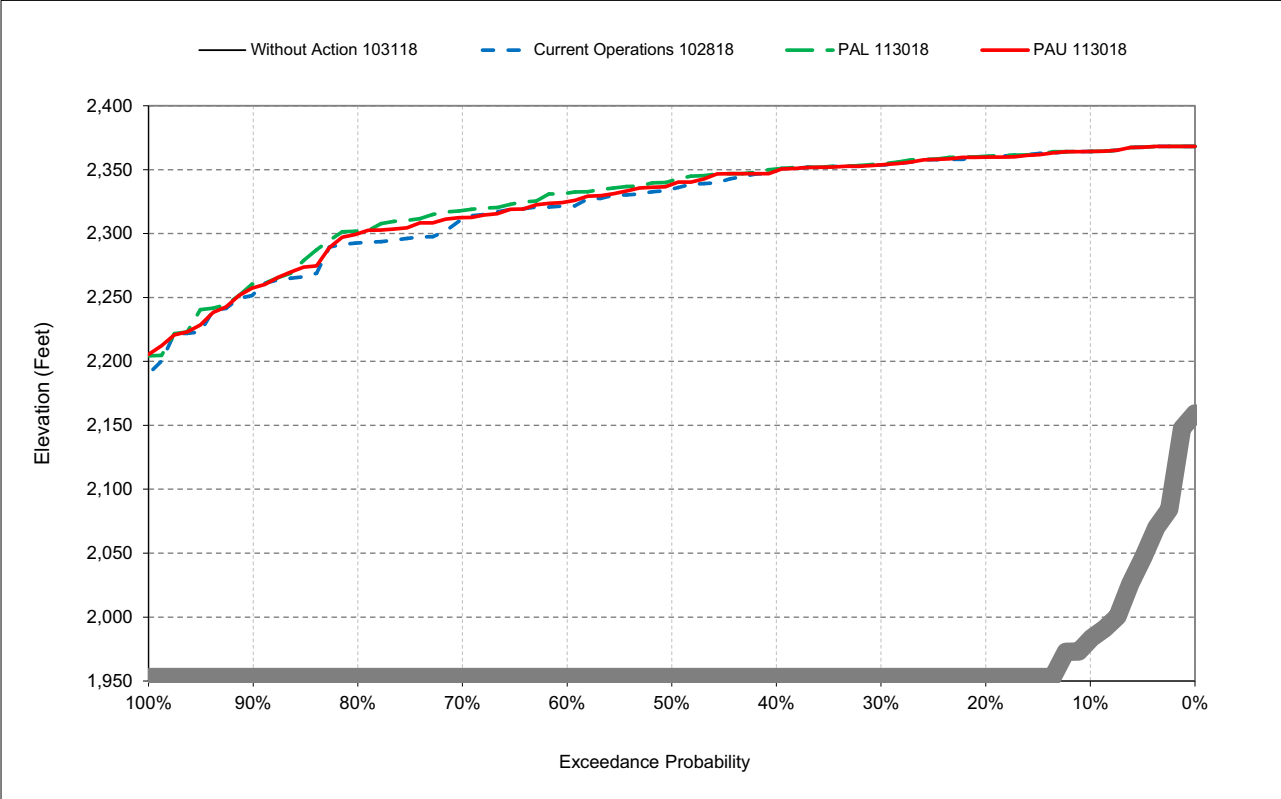
*All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

*These are draft results meant for qualitative analysis and are subject to revision.

Figure 1a-2. Trinity Lake, Reservoir Pool Elevation, September

*All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

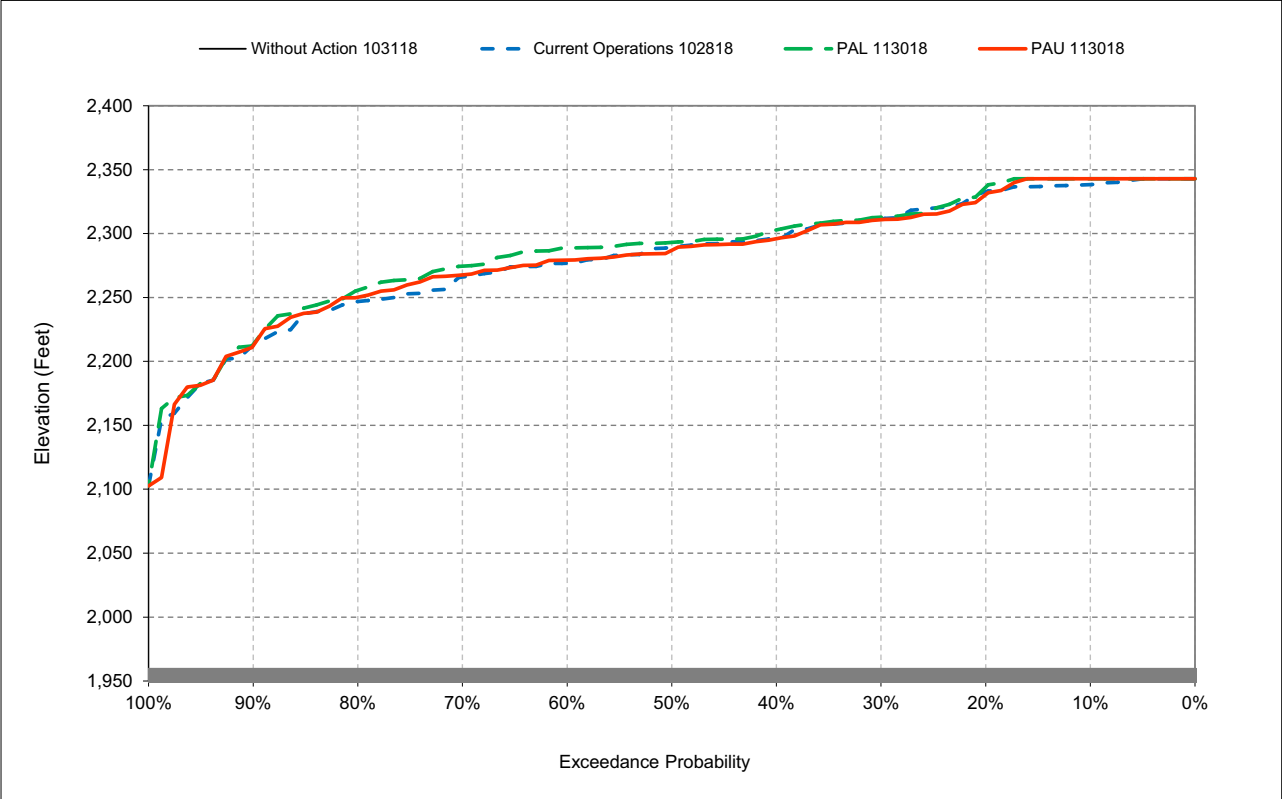*These are draft results meant for qualitative analysis and are subject to revision.

Table 3-1. Shasta Lake Storage, End of Month Storage

Without Action **103118**

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	116	359	990	1,046	1,477	833	674	431	160	116	116	116
20%	116	172	665	652	895	589	573	276	116	116	116	116
30%	116	116	398	472	701	463	416	166	116	116	116	116
40%	116	116	206	386	582	363	306	132	116	116	116	116
50%	116	116	116	228	370	324	233	116	116	116	116	116
60%	116	116	116	122	266	239	195	116	116	116	116	116
70%	116	116	116	116	188	124	136	116	116	116	116	116
80%	116	116	116	116	116	116	116	116	116	116	116	116
90%	116	116	116	116	116	116	116	116	116	116	116	116
Long Term												
Full Simulation Period[a]	124	184	377	443	583	415	347	196	131	115	116	116
Water Year Types[b,c]												
Wet (32%)	116	175	397	747	906	562	542	310	159	116	116	116
Above Normal (16%)	121	247	314	631	748	499	376	197	119	116	116	116
Below Normal (13%)	151	167	350	310	499	244	303	121	124	116	116	116
Dry (24%)	128	205	520	167	352	383	230	133	116	116	116	116
Critical (15%)	116	118	187	158	168	216	129	123	116	107	119	116

Current Operations 102818

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,214	3,252	3,338	3,621	3,875	4,229	4,552	4,552	4,500	4,002	3,671	3,201
20%	3,033	2,948	3,309	3,549	3,753	4,127	4,544	4,552	4,402	3,789	3,479	3,098
30%	2,914	2,811	3,273	3,400	3,650	4,046	4,475	4,552	4,287	3,627	3,275	3,010
40%	2,769	2,708	3,031	3,305	3,527	3,980	4,389	4,486	4,115	3,461	3,167	2,924
50%	2,691	2,587	2,794	3,252	3,480	3,867	4,259	4,346	3,907	3,385	3,047	2,824
60%	2,547	2,500	2,658	3,032	3,370	3,729	4,128	4,230	3,800	3,181	2,877	2,661
70%	2,299	2,312	2,433	2,851	3,252	3,513	3,973	3,954	3,440	2,883	2,635	2,479
80%	2,036	2,099	2,222	2,545	2,911	3,345	3,627	3,354	3,006	2,525	2,279	2,177
90%	1,506	1,369	1,771	2,041	2,389	2,617	2,717	2,643	2,338	1,953	1,715	1,631
Long Term												
Full Simulation Period[a]	2,485	2,454	2,672	2,978	3,274	3,633	3,974	3,961	3,673	3,132	2,820	2,582
Water Year Types[b,c]												
Wet (32%)	2,849	2,699	2,932	3,392	3,652	3,892	4,360	4,492	4,342	3,821	3,481	2,989
Above Normal (16%)	2,712	2,599	2,857	3,252	3,520	4,065	4,501	4,489	4,138	3,464	3,121	2,833
Below Normal (13%)	2,704	2,752	2,876	3,163	3,517	3,891	4,211	4,104	3,734	3,139	2,790	2,741
Dry (24%)	2,544	2,648	2,900	2,735	3,146	3,603	3,898	3,820	3,464	2,957	2,686	2,620
Critical (15%)	1,154	1,169	1,340	2,021	2,182	2,417	2,479	2,340	2,013	1,569	1,311	1,221

Current Operations 102818 minus Without Action **103118**

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,098	2,893	2,347	2,576	2,399	3,396	3,878	4,121	4,340	3,887	3,555	3,086
20%	2,918	2,776	2,644	2,897	2,857	3,538	3,971	4,276	4,286	3,673	3,363	2,982
30%	2,798	2,696	2,875	2,928	2,949	3,582	4,059	4,386	4,172	3,511	3,159	2,894
40%	2,654	2,592	2,825	2,918	2,945	3,617	4,083	4,354	3,999	3,345	3,051	2,808
50%	2,575	2,471	2,678	3,024	3,110	3,543	4,026	4,230	3,791	3,269	2,931	2,708
60%	2,432	2,384	2,542	2,910	3,105	3,490	3,932	4,114	3,684	3,065	2,761	2,545
70%	2,183	2,197	2,317	2,735	3,064	3,389	3,838	3,838	3,325	2,767	2,519	2,364
80%	1,920	1,983	2,106	2,429	2,795	3,229	3,511	3,238	2,891	2,409	2,163	2,061
90%	1,391	1,253	1,656	1,925	2,273	2,501	2,602	2,527	2,222	1,837	1,599	1,516
Long Term												
Full Simulation Period[a]	2,361	2,270	2,295	2,536	2,691	3,218	3,627	3,764	3,542	3,018	2,703	2,466
Water Year Types[b,c]												
Wet (32%)	2,733	2,524	2,535	2,645	2,746	3,330	3,818	4,182	4,183	3,705	3,365	2,873
Above Normal (16%)	2,591	2,353	2,543	2,620	2,772	3,566	4,125	4,292	4,019	3,348	3,005	2,717
Below Normal (13%)	2,553	2,585	2,526	2,854	3,017	3,646	3,907	3,983	3,610	3,023	2,674	2,625
Dry (24%)	2,416	2,442	2,380	2,568	2,794	3,219	3,668	3,687	3,348	2,841	2,570	2,504
Critical (15%)	1,038	1,051	1,153	1,863	2,014	2,200	2,350	2,217	1,898	1,461	1,192	1,105

a Based on 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 These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

e These are draft results meant for qualitative analysis and are subject to revision.

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

Without Action **103118**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
End of Month Storage (TAF)												
Probability of Exceedance												
10%	116	359	990	1,046	1,477	833	674	431	160	116	116	116
20%	116	172	665	652	895	589	573	276	116	116	116	116
30%	116	116	398	472	701	463	416	166	116	116	116	116
40%	116	116	206	386	582	363	306	132	116	116	116	116
50%	116	116	116	228	370	324	233	116	116	116	116	116
60%	116	116	116	122	266	239	195	116	116	116	116	116
70%	116	116	116	116	188	124	136	116	116	116	116	116
80%	116	116	116	116	116	116	116	116	116	116	116	116
90%	116	116	116	116	116	116	116	116	116	116	116	116
Long Term												
Full Simulation Period[a]	124	184	377	443	583	415	347	196	131	115	116	116
Water Year Types[b,c]												
Wet (32%)	116	175	397	747	906	562	542	310	159	116	116	116
Above Normal (16%)	121	247	314	631	748	499	376	197	119	116	116	116
Below Normal (13%)	151	167	350	310	499	244	303	121	124	116	116	116
Dry (24%)	128	205	520	167	352	383	230	133	116	116	116	116
Critical (15%)	116	118	187	158	168	216	129	123	116	107	119	116

PAL 113018

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
End of Month Storage (TAF)												
Probability of Exceedance												
10%	3,250	3,252	3,360	3,666	3,936	4,255	4,552	4,552	4,500	4,010	3,670	3,400
20%	3,234	3,252	3,346	3,612	3,837	4,190	4,544	4,552	4,402	3,794	3,482	3,400
30%	3,173	3,244	3,318	3,543	3,740	4,110	4,478	4,552	4,263	3,616	3,284	3,302
40%	3,048	3,160	3,292	3,505	3,665	4,027	4,444	4,489	4,064	3,492	3,165	3,117
50%	2,889	2,996	3,260	3,362	3,568	3,978	4,321	4,395	3,929	3,350	3,070	3,013
60%	2,739	2,851	3,118	3,265	3,507	3,885	4,257	4,240	3,784	3,178	2,880	2,848
70%	2,619	2,706	2,881	3,153	3,315	3,760	4,111	4,028	3,602	3,037	2,778	2,748
80%	2,410	2,488	2,474	2,854	3,131	3,420	4,001	3,771	3,269	2,783	2,535	2,487
90%	1,800	1,727	1,876	2,108	2,601	2,829	2,786	3,006	2,743	2,371	1,987	1,926
Long Term												
Full Simulation Period[a]	2,676	2,725	2,876	3,134	3,391	3,742	4,076	4,052	3,720	3,188	2,883	2,790
Water Year Types[b,c]												
Wet (32%)	3,144	3,181	3,287	3,432	3,642	3,899	4,360	4,489	4,332	3,819	3,475	3,296
Above Normal (16%)	2,959	3,001	3,167	3,373	3,551	4,070	4,504	4,486	4,105	3,448	3,129	3,125
Below Normal (13%)	2,757	2,797	2,910	3,454	3,737	4,073	4,352	4,206	3,777	3,173	2,857	2,818
Dry (24%)	2,676	2,776	2,983	2,983	3,397	3,839	4,142	4,053	3,604	3,108	2,830	2,760
Critical (15%)	1,282	1,289	1,463	2,184	2,349	2,584	2,636	2,490	2,119	1,687	1,445	1,354

PAL 113018 minus Without Action **103118**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
End of Month Storage (TAF)												
Probability of Exceedance												
10%	3,134	2,893	2,370	2,621	2,459	3,422	3,878	4,121	4,340	3,895	3,555	3,284
20%	3,118	3,080	2,680	2,960	2,942	3,601	3,971	4,276	4,286	3,678	3,366	3,284
30%	3,058	3,128	2,921	3,071	3,039	3,647	4,063	4,386	4,147	3,500	3,168	3,186
40%	2,932	3,045	3,087	3,119	3,083	3,663	4,138	4,357	3,948	3,376	3,050	3,001
50%	2,773	2,880	3,145	3,134	3,198	3,654	4,088	4,279	3,813	3,234	2,954	2,897
60%	2,623	2,736	3,003	3,144	3,241	3,646	4,062	4,124	3,668	3,062	2,765	2,733
70%	2,504	2,590	2,765	3,037	3,127	3,636	3,976	3,912	3,486	2,921	2,662	2,633
80%	2,294	2,372	2,358	2,739	3,015	3,304	3,885	3,656	3,153	2,668	2,419	2,371
90%	1,684	1,611	1,760	1,992	2,486	2,713	2,670	2,890	2,627	2,255	1,871	1,810
Long Term												
Full Simulation Period[a]	2,552	2,541	2,500	2,691	2,808	3,327	3,729	3,855	3,589	3,073	2,766	2,674
Water Year Types[b,c]												
Wet (32%)	3,028	3,006	2,890	2,685	2,736	3,337	3,818	4,179	4,173	3,703	3,359	3,180
Above Normal (16%)	2,838	2,754	2,853	2,741	2,802	3,571	4,128	4,288	3,986	3,332	3,013	3,010
Below Normal (13%)	2,607	2,630	2,560	3,145	3,237	3,828	4,048	4,085	3,653	3,057	2,741	2,702
Dry (24%)	2,548	2,571	2,463	2,816	3,045	3,456	3,912	3,920	3,488	2,992	2,714	2,644
Critical (15%)	1,166	1,171	1,276	2,026	2,181	2,367	2,507	2,367	2,003	1,580	1,326	1,238

a Based on 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 These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

e These are draft results meant for qualitative analysis and are subject to revision.

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

Without Action **103118**

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	116	359	990	1,046	1,477	833	674	431	160	116	116	116
20%	116	172	665	652	895	589	573	276	116	116	116	116
30%	116	116	398	472	701	463	416	166	116	116	116	116
40%	116	116	206	386	582	363	306	132	116	116	116	116
50%	116	116	116	228	370	324	233	116	116	116	116	116
60%	116	116	116	122	266	239	195	116	116	116	116	116
70%	116	116	116	116	188	124	136	116	116	116	116	116
80%	116	116	116	116	116	116	116	116	116	116	116	116
90%	116	116	116	116	116	116	116	116	116	116	116	116
Long Term												
Full Simulation Period[a]	124	184	377	443	583	415	347	196	131	115	116	116
Water Year Types[b,c]												
Wet (32%)	116	175	397	747	906	562	542	310	159	116	116	116
Above Normal (16%)	121	247	314	631	748	499	376	197	119	116	116	116
Below Normal (13%)	151	167	350	310	499	244	303	121	124	116	116	116
Dry (24%)	128	205	520	167	352	383	230	133	116	116	116	116
Critical (15%)	116	118	187	158	168	216	129	123	116	107	119	116

PAU 113018

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	3,359	3,650	3,943	4,262	4,552	4,552	4,500	4,011	3,669	3,400
20%	3,248	3,252	3,333	3,612	3,837	4,182	4,535	4,552	4,394	3,768	3,447	3,400
30%	3,193	3,200	3,310	3,538	3,734	4,069	4,475	4,552	4,205	3,586	3,213	3,216
40%	2,972	3,123	3,284	3,480	3,655	4,015	4,435	4,483	3,897	3,395	3,067	2,986
50%	2,700	2,832	3,252	3,348	3,564	3,959	4,291	4,282	3,816	3,169	2,889	2,821
60%	2,570	2,644	3,073	3,252	3,484	3,845	4,191	4,104	3,591	3,023	2,747	2,651
70%	2,463	2,566	2,636	2,999	3,283	3,691	4,076	3,987	3,393	2,838	2,571	2,508
80%	2,237	2,283	2,382	2,675	3,123	3,420	3,857	3,635	3,168	2,697	2,337	2,314
90%	1,497	1,384	1,860	2,102	2,488	2,720	2,756	2,810	2,420	1,937	1,646	1,545
Long Term												
Full Simulation Period[a]	2,597	2,653	2,826	3,089	3,366	3,701	4,034	3,975	3,609	3,089	2,775	2,682
Water Year Types[b,c]												
Wet (32%)	3,147	3,177	3,289	3,415	3,663	3,899	4,359	4,479	4,279	3,767	3,420	3,262
Above Normal (16%)	2,825	2,888	3,088	3,358	3,566	4,065	4,501	4,452	3,997	3,337	3,002	2,966
Below Normal (13%)	2,611	2,674	2,816	3,392	3,706	4,041	4,325	4,131	3,647	3,053	2,681	2,620
Dry (24%)	2,545	2,654	2,907	2,897	3,311	3,741	4,037	3,880	3,427	2,955	2,679	2,610
Critical (15%)	1,231	1,240	1,414	2,130	2,287	2,502	2,550	2,386	2,007	1,605	1,381	1,297

PAU 113018 minus Without Action **103118**

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	3,134	2,893	2,368	2,604	2,467	3,429	3,878	4,121	4,340	3,895	3,553	3,284
20%	3,132	3,080	2,668	2,960	2,942	3,594	3,962	4,276	4,278	3,652	3,332	3,284
30%	3,077	3,084	2,913	3,066	3,033	3,606	4,059	4,386	4,089	3,471	3,097	3,100
40%	2,856	3,007	3,078	3,094	3,073	3,651	4,129	4,351	3,781	3,279	2,951	2,871
50%	2,584	2,716	3,136	3,120	3,193	3,635	4,058	4,166	3,700	3,053	2,773	2,705
60%	2,454	2,528	2,957	3,130	3,219	3,607	3,995	3,988	3,475	2,907	2,631	2,535
70%	2,347	2,450	2,520	2,883	3,095	3,567	3,941	3,872	3,277	2,722	2,455	2,392
80%	2,122	2,167	2,266	2,559	3,008	3,304	3,741	3,520	3,053	2,581	2,221	2,199
90%	1,381	1,268	1,745	1,986	2,372	2,605	2,640	2,694	2,304	1,821	1,530	1,429
Long Term												
Full Simulation Period[a]	2,473	2,468	2,449	2,646	2,782	3,286	3,687	3,779	3,478	2,974	2,659	2,567
Water Year Types[b,c]												
Wet (32%)	3,032	3,002	2,892	2,667	2,756	3,337	3,817	4,169	4,120	3,651	3,305	3,146
Above Normal (16%)	2,704	2,642	2,775	2,727	2,817	3,566	4,125	4,255	3,879	3,221	2,886	2,850
Below Normal (13%)	2,460	2,507	2,466	3,082	3,206	3,797	4,022	4,010	3,523	2,937	2,565	2,505
Dry (24%)	2,417	2,449	2,387	2,731	2,959	3,358	3,807	3,747	3,311	2,840	2,563	2,494
Critical (15%)	1,115	1,122	1,227	1,972	2,119	2,286	2,420	2,262	1,891	1,498	1,262	1,181

a Based on 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 These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

e These are draft results meant for qualitative analysis and are subject to revision.

Table 3-4. Shasta Lake Storage, End of Month Storage

Current Operations 102818

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
						End of Month Storage (TAF)						
Probability of Exceedance												
10%	3,214	3,252	3,338	3,621	3,875	4,229	4,552	4,552	4,500	4,002	3,671	3,201
20%	3,033	2,948	3,309	3,549	3,753	4,127	4,544	4,552	4,402	3,789	3,479	3,098
30%	2,914	2,811	3,273	3,400	3,650	4,046	4,475	4,552	4,287	3,627	3,275	3,010
40%	2,769	2,708	3,031	3,305	3,527	3,980	4,389	4,486	4,115	3,461	3,167	2,924
50%	2,691	2,587	2,794	3,252	3,480	3,867	4,259	4,346	3,907	3,385	3,047	2,824
60%	2,547	2,500	2,658	3,032	3,370	3,729	4,128	4,230	3,800	3,181	2,877	2,661
70%	2,299	2,312	2,433	2,851	3,252	3,513	3,973	3,954	3,440	2,883	2,635	2,479
80%	2,036	2,099	2,222	2,545	2,911	3,345	3,627	3,354	3,006	2,525	2,279	2,177
90%	1,506	1,369	1,771	2,041	2,389	2,617	2,717	2,643	2,338	1,953	1,715	1,631
Long Term												
Full Simulation Period[a]	2,485	2,454	2,672	2,978	3,274	3,633	3,974	3,961	3,673	3,132	2,820	2,582
Water Year Types[b,c]												
Wet (32%)	2,849	2,699	2,932	3,392	3,652	3,892	4,360	4,492	4,342	3,821	3,481	2,989
Above Normal (16%)	2,712	2,599	2,857	3,252	3,520	4,065	4,501	4,489	4,138	3,464	3,121	2,833
Below Normal (13%)	2,704	2,752	2,876	3,163	3,517	3,891	4,211	4,104	3,734	3,139	2,790	2,741
Dry (24%)	2,544	2,648	2,900	2,735	3,146	3,603	3,898	3,820	3,464	2,957	2,686	2,620
Critical (15%)	1,154	1,169	1,340	2,021	2,182	2,417	2,479	2,340	2,013	1,569	1,311	1,221

PAL 113018

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
						End of Month Storage (TAF)						
Probability of Exceedance												
10%	3,250	3,252	3,360	3,666	3,936	4,255	4,552	4,552	4,500	4,010	3,670	3,400
20%	3,234	3,252	3,346	3,612	3,837	4,190	4,544	4,552	4,402	3,794	3,482	3,400
30%	3,173	3,244	3,318	3,543	3,740	4,110	4,478	4,552	4,263	3,616	3,284	3,302
40%	3,048	3,160	3,292	3,505	3,665	4,027	4,444	4,489	4,064	3,492	3,165	3,117
50%	2,889	2,996	3,260	3,362	3,568	3,978	4,321	4,395	3,929	3,350	3,070	3,013
60%	2,739	2,851	3,118	3,265	3,507	3,885	4,257	4,240	3,784	3,178	2,880	2,848
70%	2,619	2,706	2,881	3,153	3,315	3,760	4,111	4,028	3,602	3,037	2,778	2,748
80%	2,410	2,488	2,474	2,854	3,131	3,420	4,001	3,771	3,269	2,783	2,535	2,487
90%	1,800	1,727	1,876	2,108	2,601	2,829	2,786	3,006	2,743	2,371	1,987	1,926
Long Term												
Full Simulation Period[a]	2,676	2,725	2,876	3,134	3,391	3,742	4,076	4,052	3,720	3,188	2,883	2,790
Water Year Types[b,c]												
Wet (32%)	3,144	3,181	3,287	3,432	3,642	3,899	4,360	4,489	4,332	3,819	3,475	3,296
Above Normal (16%)	2,959	3,001	3,167	3,373	3,551	4,070	4,504	4,486	4,105	3,448	3,129	3,125
Below Normal (13%)	2,757	2,797	2,910	3,454	3,737	4,073	4,352	4,206	3,777	3,173	2,857	2,818
Dry (24%)	2,676	2,776	2,983	2,983	3,397	3,839	4,142	4,053	3,604	3,108	2,830	2,760
Critical (15%)	1,282	1,289	1,463	2,184	2,349	2,584	2,636	2,490	2,119	1,687	1,445	1,354

PAL 113018 minus Current Operations 102818

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
						End of Month Storage (TAF)						
Probability of Exceedance												
10%	36	0	22	45	61	27	0	0	0	8	**-1**	199
20%	201	304	37	63	84	63	0	0	**0**	5	3	302
30%	260	433	46	143	90	65	3	0	**-25**	**-11**	9	292
40%	278	453	261	201	138	47	55	4	**-51**	30	**-1**	193
50%	198	409	466	110	88	111	62	49	22	**-35**	23	189
60%	192	351	460	233	137	156	130	10	**-16**	**-3**	4	187
70%	321	394	448	302	63	247	138	74	162	154	142	269
80%	373	389	252	310	220	76	374	418	262	258	256	310
90%	294	358	105	67	212	212	68	363	405	419	272	294
Long Term												
Full Simulation Period[a]	191	272	204	155	117	110	102	91	47	56	63	208
Water Year Types[b,c]												
Wet (32%)	295	482	355	40	**-10**	7	0	**-3**	**-10**	**-2**	**-6**	306
Above Normal (16%)	247	402	310	121	31	5	3	**-3**	**-33**	**-16**	8	292
Below Normal (13%)	53	46	34	291	220	182	141	102	43	34	67	77
Dry (24%)	133	128	83	248	251	237	244	233	140	151	144	140
Critical (15%)	128	120	122	163	166	167	157	150	105	118	134	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).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

e These are draft results meant for qualitative analysis and are subject to revision.

Table 3-5. Shasta Lake Storage, End of Month Storage

Current Operations 102818

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
							End of Month Storage (TAF)					
Probability of Exceedance												
10%	3,214	3,252	3,338	3,621	3,875	4,229	4,552	4,552	4,500	4,002	3,671	3,201
20%	3,033	2,948	3,309	3,549	3,753	4,127	4,544	4,552	4,402	3,789	3,479	3,098
30%	2,914	2,811	3,273	3,400	3,650	4,046	4,475	4,552	4,287	3,627	3,275	3,010
40%	2,769	2,708	3,031	3,305	3,527	3,980	4,389	4,486	4,115	3,461	3,167	2,924
50%	2,691	2,587	2,794	3,252	3,480	3,867	4,259	4,346	3,907	3,385	3,047	2,824
60%	2,547	2,500	2,658	3,032	3,370	3,729	4,128	4,230	3,800	3,181	2,877	2,661
70%	2,299	2,312	2,433	2,851	3,252	3,513	3,973	3,954	3,440	2,883	2,635	2,479
80%	2,036	2,099	2,222	2,545	2,911	3,345	3,627	3,354	3,006	2,525	2,279	2,177
90%	1,506	1,369	1,771	2,041	2,389	2,617	2,717	2,643	2,338	1,953	1,715	1,631
Long Term												
Full Simulation Period[a]	2,485	2,454	2,672	2,978	3,274	3,633	3,974	3,961	3,673	3,132	2,820	2,582
Water Year Types[b,c]												
Wet (32%)	2,849	2,699	2,932	3,392	3,652	3,892	4,360	4,492	4,342	3,821	3,481	2,989
Above Normal (16%)	2,712	2,599	2,857	3,252	3,520	4,065	4,501	4,489	4,138	3,464	3,121	2,833
Below Normal (13%)	2,704	2,752	2,876	3,163	3,517	3,891	4,211	4,104	3,734	3,139	2,790	2,741
Dry (24%)	2,544	2,648	2,900	2,735	3,146	3,603	3,898	3,820	3,464	2,957	2,686	2,620
Critical (15%)	1,154	1,169	1,340	2,021	2,182	2,417	2,479	2,340	2,013	1,569	1,311	1,221

PAU 113018

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
							End of Month Storage (TAF)					
Probability of Exceedance												
10%	3,250	3,252	3,359	3,650	3,943	4,262	4,552	4,552	4,500	4,011	3,669	3,400
20%	3,248	3,252	3,333	3,612	3,837	4,182	4,535	4,552	4,394	3,768	3,447	3,400
30%	3,193	3,200	3,310	3,538	3,734	4,069	4,475	4,552	4,205	3,586	3,213	3,216
40%	2,972	3,123	3,284	3,480	3,655	4,015	4,435	4,483	3,897	3,395	3,067	2,986
50%	2,700	2,832	3,252	3,348	3,564	3,959	4,291	4,282	3,816	3,169	2,889	2,821
60%	2,570	2,644	3,073	3,252	3,484	3,845	4,191	4,104	3,591	3,023	2,747	2,651
70%	2,463	2,566	2,636	2,999	3,283	3,691	4,076	3,987	3,393	2,838	2,571	2,508
80%	2,237	2,283	2,382	2,675	3,123	3,420	3,857	3,635	3,168	2,697	2,337	2,314
90%	1,497	1,384	1,860	2,102	2,488	2,720	2,756	2,810	2,420	1,937	1,646	1,545
Long Term												
Full Simulation Period[a]	2,597	2,653	2,826	3,089	3,366	3,701	4,034	3,975	3,609	3,089	2,775	2,682
Water Year Types[b,c]												
Wet (32%)	3,147	3,177	3,289	3,415	3,663	3,899	4,359	4,479	4,279	3,767	3,420	3,262
Above Normal (16%)	2,825	2,888	3,088	3,358	3,566	4,065	4,501	4,452	3,997	3,337	3,002	2,966
Below Normal (13%)	2,611	2,674	2,816	3,392	3,706	4,041	4,325	4,131	3,647	3,053	2,681	2,620
Dry (24%)	2,545	2,654	2,907	2,897	3,311	3,741	4,037	3,880	3,427	2,955	2,679	2,610
Critical (15%)	1,231	1,240	1,414	2,130	2,287	2,502	2,550	2,386	2,007	1,605	1,381	1,297

PAU 113018 minus Current Operations 102818

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
							End of Month Storage (TAF)					
Probability of Exceedance												
10%	36	0	21	28	68	33	0	0	0	9	-2	199
20%	215	304	24	63	84	56	-9	0	-8	-21	-31	302
30%	279	389	38	138	84	24	0	0	-83	-40	-62	206
40%	202	415	253	176	128	35	46	-2	-218	-66	-100	63
50%	9	245	458	96	84	92	32	-64	-91	-215	-158	-3
60%	23	144	415	220	114	116	63	-126	-209	-158	-130	-10
70%	164	254	203	148	31	178	103	34	-47	-45	-65	28
80%	201	184	160	130	212	76	230	281	162	172	58	138
90%	-9	15	89	61	98	103	39	167	82	-16	-69	-87
Long Term												
Full Simulation Period[a]	112	199	154	110	91	69	59	15	-64	-44	-44	100
Water Year Types[b,c]												
Wet (32%)	298	478	357	23	10	7	0	-13	-63	-54	-61	273
Above Normal (16%)	114	289	231	107	46	0	1	-37	-141	-127	-119	132
Below Normal (13%)	-93	-77	-60	229	189	150	115	27	-87	-86	-109	-121
Dry (24%)	1	6	7	163	165	138	139	60	-37	-1	-7	-10
Critical (15%)	78	71	74	109	104	85	70	46	-6	36	70	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).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

e These are draft results meant for qualitative analysis and are subject to revision.

Figure 3-1. Shasta Lake Storage, End of May Storage

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

*All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

*These are draft results meant for qualitative analysis and are subject to revision.

Figure 3-2. Shasta Lake Storage, End of September Storage

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

*All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

*These are draft results meant for qualitative analysis and are subject to revision.

Table 3a-1. Shasta Lake Elevation, End of Month Elevation

Without Action **103118**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	742	802	882	887	923	865	849	814	752	742	742	742
20%	742	756	848	846	872	840	838	781	742	742	742	742
30%	742	742	808	821	851	819	811	754	742	742	742	742
40%	742	742	764	806	839	802	789	746	742	742	742	742
50%	742	742	742	769	803	793	771	742	742	742	742	742
60%	742	742	742	743	779	772	761	742	742	742	742	742
70%	742	742	742	742	760	744	747	742	742	742	742	742
80%	742	742	742	742	742	742	742	742	742	742	742	742
90%	742	742	742	742	742	742	742	742	742	742	742	742
Long Term												
Full Simulation Period[a]	744	755	785	795	816	796	787	760	745	734	742	742
Water Year Types[b,c]												
Wet (32%)	742	756	787	836	854	813	821	784	752	742	742	742
Above Normal (16%)	743	760	777	829	845	815	797	761	743	742	742	742
Below Normal (13%)	749	754	782	783	810	771	781	743	744	742	742	742
Dry (24%)	745	760	807	754	788	796	766	746	742	742	742	742
Critical (15%)	742	742	758	751	753	765	745	744	742	688	743	742

Current Operations 102818

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,015	1,017	1,021	1,033	1,043	1,055	1,067	1,067	1,065	1,047	1,035	1,015
20%	1,007	1,004	1,019	1,030	1,038	1,052	1,067	1,067	1,062	1,040	1,027	1,010
30%	1,002	998	1,018	1,023	1,034	1,049	1,064	1,067	1,058	1,033	1,018	1,006
40%	996	993	1,007	1,019	1,029	1,047	1,061	1,065	1,051	1,026	1,013	1,003
50%	993	988	997	1,017	1,027	1,042	1,057	1,060	1,044	1,023	1,008	998
60%	986	984	991	1,007	1,022	1,038	1,052	1,055	1,040	1,014	1,001	991
70%	973	974	980	1,000	1,017	1,028	1,046	1,046	1,025	1,001	990	983
80%	958	961	968	986	1,002	1,021	1,033	1,021	1,006	985	972	966
90%	925	915	943	958	978	989	994	991	975	953	940	934
Long Term												
Full Simulation Period[a]	977	976	987	1,002	1,016	1,031	1,044	1,043	1,031	1,008	993	982
Water Year Types[b,c]												
Wet (32%)	999	992	1,003	1,023	1,034	1,043	1,060	1,065	1,059	1,040	1,027	1,005
Above Normal (16%)	993	987	999	1,017	1,028	1,049	1,065	1,065	1,052	1,026	1,011	998
Below Normal (13%)	992	994	1,000	1,013	1,028	1,043	1,055	1,051	1,037	1,012	996	994
Dry (24%)	984	989	1,001	992	1,011	1,031	1,043	1,039	1,025	1,004	991	988
Critical (15%)	890	891	906	950	960	976	979	972	952	922	902	895

Current Operations 102818 minus Without Action **103118**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	274	215	139	146	120	190	218	253	313	306	293	273
20%	266	248	172	184	167	212	229	286	320	298	285	269
30%	261	256	210	203	183	229	253	313	316	291	276	265
40%	254	252	243	213	190	244	272	319	310	284	271	261
50%	251	246	255	248	223	249	286	318	302	281	266	257
60%	245	242	249	264	243	265	290	314	298	272	259	250
70%	231	232	239	258	257	285	300	304	283	259	248	241
80%	216	220	227	244	260	279	291	280	265	244	230	224
90%	183	173	201	216	236	248	252	249	233	211	198	192
Long Term												
Full Simulation Period[a]	234	221	202	207	200	235	257	283	286	274	251	240
Water Year Types[b,c]												
Wet (32%)	257	236	216	187	180	230	239	281	308	298	285	264
Above Normal (16%)	250	228	222	187	183	235	268	304	310	284	269	257
Below Normal (13%)	243	240	218	230	219	272	273	308	293	270	254	252
Dry (24%)	239	229	193	237	223	234	277	293	284	262	249	246
Critical (15%)	148	149	148	198	207	210	234	228	211	234	159	153

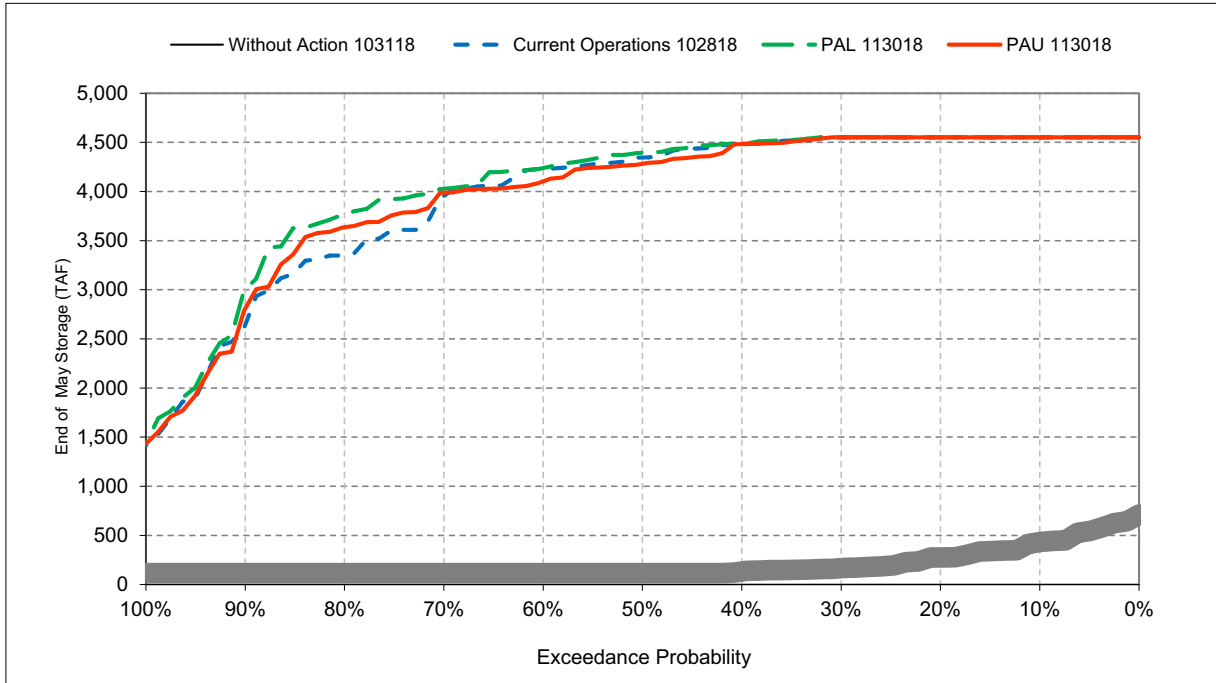a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.
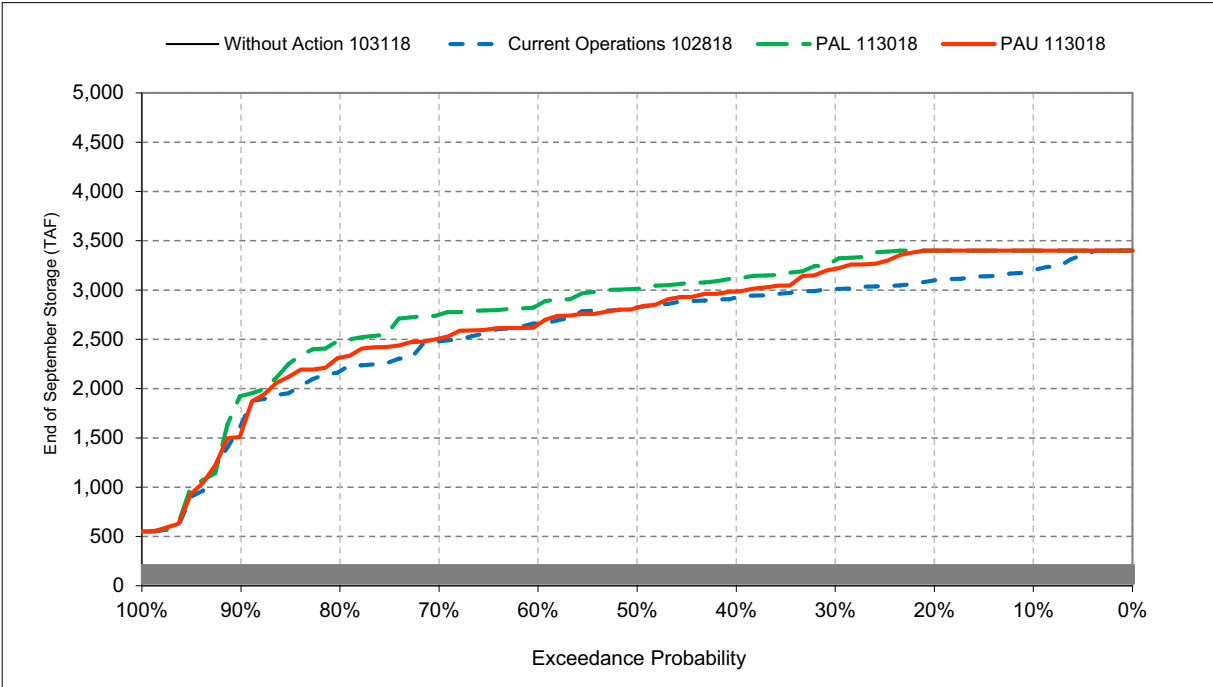
e These are draft results meant for qualitative analysis and are subject to revision.

Table 3a-2. Shasta Lake Elevation, End of Month Elevation

Without Action **103118**

Statistic	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	742	802	882	887	923	865	849	814	752	742	742	742
20%	742	756	848	846	872	840	838	781	742	742	742	742
30%	742	742	808	821	851	819	811	754	742	742	742	742
40%	742	742	764	806	839	802	789	746	742	742	742	742
50%	742	742	742	769	803	793	771	742	742	742	742	742
60%	742	742	742	743	779	772	761	742	742	742	742	742
70%	742	742	742	742	760	744	747	742	742	742	742	742
80%	742	742	742	742	742	742	742	742	742	742	742	742
90%	742	742	742	742	742	742	742	742	742	742	742	742
Long Term												
Full Simulation Period[a]	744	755	785	795	816	796	787	760	745	734	742	742
Water Year Types[b,c]												
Wet (32%)	742	756	787	836	854	813	821	784	752	742	742	742
Above Normal (16%)	743	760	777	829	845	815	797	761	743	742	742	742
Below Normal (13%)	749	754	782	783	810	771	781	743	744	742	742	742
Dry (24%)	745	760	807	754	788	796	766	746	742	742	742	742
Critical (15%)	742	742	758	751	753	765	745	744	742	688	743	742

PAL 113018

Statistic	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,017	1,017	1,022	1,035	1,045	1,056	1,067	1,067	1,065	1,048	1,035	1,023
20%	1,016	1,017	1,021	1,033	1,041	1,054	1,067	1,067	1,062	1,040	1,027	1,023
30%	1,014	1,017	1,020	1,030	1,038	1,051	1,064	1,067	1,057	1,033	1,018	1,019
40%	1,008	1,013	1,019	1,028	1,035	1,048	1,063	1,065	1,050	1,027	1,013	1,011
50%	1,001	1,006	1,017	1,022	1,031	1,046	1,059	1,061	1,045	1,021	1,009	1,007
60%	995	1,000	1,011	1,018	1,028	1,043	1,056	1,056	1,040	1,014	1,001	999
70%	990	993	1,001	1,013	1,020	1,039	1,051	1,048	1,032	1,008	996	995
80%	979	983	983	1,000	1,012	1,024	1,047	1,039	1,018	997	986	983
90%	944	940	949	962	989	999	997	1,006	995	977	955	952
Long Term												
Full Simulation Period[a]	987	989	997	1,009	1,021	1,036	1,048	1,047	1,034	1,011	997	992
Water Year Types[b,c]												
Wet (32%)	1,012	1,014	1,019	1,025	1,033	1,043	1,060	1,065	1,059	1,040	1,027	1,019
Above Normal (16%)	1,004	1,006	1,013	1,022	1,029	1,050	1,065	1,065	1,051	1,025	1,012	1,011
Below Normal (13%)	995	996	1,001	1,026	1,037	1,050	1,060	1,055	1,038	1,013	999	997
Dry (24%)	991	995	1,004	1,003	1,022	1,040	1,052	1,049	1,031	1,011	998	995
Critical (15%)	898	899	914	958	969	984	987	979	958	928	911	903

PAL 113018 minus Without Action **103118**

Statistic	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	275	215	140	148	122	191	218	253	313	306	293	282
20%	274	261	173	186	170	214	229	286	320	298	285	282
30%	272	275	212	209	187	232	253	313	315	291	277	277
40%	266	271	255	222	196	246	274	319	308	286	271	269
50%	259	264	276	252	227	253	288	320	303	279	267	265
60%	253	258	269	274	249	271	295	314	298	272	259	258
70%	248	252	259	271	260	295	305	306	290	266	255	253
80%	237	242	241	258	270	282	306	297	276	255	244	242
90%	203	199	207	220	247	257	255	265	253	235	213	210
Long Term												
Full Simulation Period[a]	243	234	211	214	205	239	261	287	288	277	255	250
Water Year Types[b,c]												
Wet (32%)	271	258	232	189	179	230	239	280	307	298	285	277
Above Normal (16%)	261	246	237	193	184	235	268	304	308	284	270	270
Below Normal (13%)	245	242	220	243	228	279	278	312	295	272	257	256
Dry (24%)	246	235	197	249	233	244	286	303	290	269	256	253
Critical (15%)	156	157	156	207	215	218	242	235	216	240	168	162

a Based on 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 These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

e These are draft results meant for qualitative analysis and are subject to revision.

Table 3a-3. Shasta Lake Elevation, End of Month Elevation

Without Action **103118**

Statistic	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	742	802	882	887	923	865	849	814	752	742	742	742
20%	742	756	848	846	872	840	838	781	742	742	742	742
30%	742	742	808	821	851	819	811	754	742	742	742	742
40%	742	742	764	806	839	802	789	746	742	742	742	742
50%	742	742	742	769	803	793	771	742	742	742	742	742
60%	742	742	742	743	779	772	761	742	742	742	742	742
70%	742	742	742	742	760	744	747	742	742	742	742	742
80%	742	742	742	742	742	742	742	742	742	742	742	742
90%	742	742	742	742	742	742	742	742	742	742	742	742
Long Term												
Full Simulation Period[a]	744	755	785	795	816	796	787	760	745	734	742	742
Water Year Types[b,c]												
Wet (32%)	742	756	787	836	854	813	821	784	752	742	742	742
Above Normal (16%)	743	760	777	829	845	815	797	761	743	742	742	742
Below Normal (13%)	749	754	782	783	810	771	781	743	744	742	742	742
Dry (24%)	745	760	807	754	788	796	766	746	742	742	742	742
Critical (15%)	742	742	758	751	753	765	745	744	742	688	743	742

PAU 113018

Statistic	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,017	1,017	1,022	1,034	1,045	1,057	1,067	1,067	1,065	1,048	1,035	1,023
20%	1,017	1,017	1,021	1,033	1,041	1,054	1,066	1,067	1,061	1,039	1,025	1,023
30%	1,014	1,015	1,020	1,029	1,038	1,050	1,064	1,067	1,055	1,032	1,015	1,015
40%	1,005	1,011	1,018	1,027	1,034	1,048	1,063	1,065	1,044	1,023	1,009	1,005
50%	993	999	1,017	1,021	1,031	1,046	1,058	1,057	1,041	1,013	1,001	998
60%	987	991	1,009	1,017	1,027	1,042	1,054	1,051	1,032	1,007	995	991
70%	982	987	990	1,006	1,018	1,036	1,050	1,047	1,023	999	987	985
80%	969	972	977	992	1,011	1,024	1,042	1,034	1,013	993	975	974
90%	924	916	948	962	983	994	995	998	979	952	935	927
Long Term												
Full Simulation Period[a]	983	985	994	1,007	1,020	1,034	1,046	1,044	1,029	1,006	992	987
Water Year Types[b,c]												
Wet (32%)	1,012	1,014	1,019	1,024	1,034	1,043	1,060	1,064	1,057	1,038	1,024	1,017
Above Normal (16%)	998	1,001	1,010	1,021	1,030	1,049	1,065	1,063	1,047	1,021	1,006	1,004
Below Normal (13%)	987	990	997	1,023	1,036	1,049	1,059	1,052	1,033	1,008	991	988
Dry (24%)	985	990	1,001	999	1,018	1,036	1,048	1,042	1,024	1,004	991	988
Critical (15%)	895	896	911	956	966	980	982	973	951	923	907	899

PAU 113018 minus Without Action **103118**

Statistic	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	275	215	140	147	123	191	218	253	313	306	293	282
20%	275	261	173	186	170	214	228	286	320	297	284	282
30%	273	273	211	209	186	230	253	313	313	290	273	274
40%	263	270	254	221	195	245	274	319	302	281	267	264
50%	251	257	275	252	227	252	287	316	299	272	259	256
60%	246	249	267	274	248	270	293	309	290	265	253	249
70%	240	245	248	264	259	292	303	305	281	257	246	243
80%	227	230	236	250	270	282	300	292	272	251	233	232
90%	182	174	206	220	241	252	254	256	238	210	193	186
Long Term												
Full Simulation Period[a]	239	230	209	212	204	237	259	284	283	272	250	245
Water Year Types[b,c]												
Wet (32%)	271	258	232	188	180	230	239	280	305	296	283	276
Above Normal (16%)	255	241	233	192	185	235	268	303	305	279	264	263
Below Normal (13%)	238	236	215	240	226	278	277	309	289	266	249	246
Dry (24%)	240	230	194	245	230	240	282	296	282	262	249	246
Critical (15%)	153	154	153	204	212	214	237	230	209	235	164	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).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

e These are draft results meant for qualitative analysis and are subject to revision.

Table 3a-4. Shasta Lake Elevation, End of Month Elevation

Current Operations 102818

Statistic	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,015	1,017	1,021	1,033	1,043	1,055	1,067	1,067	1,065	1,047	1,035	1,015
20%	1,007	1,004	1,019	1,030	1,038	1,052	1,067	1,067	1,062	1,040	1,027	1,010
30%	1,002	998	1,018	1,023	1,034	1,049	1,064	1,067	1,058	1,033	1,018	1,006
40%	996	993	1,007	1,019	1,029	1,047	1,061	1,065	1,051	1,026	1,013	1,003
50%	993	988	997	1,017	1,027	1,042	1,057	1,060	1,044	1,023	1,008	998
60%	986	984	991	1,007	1,022	1,038	1,052	1,055	1,040	1,014	1,001	991
70%	973	974	980	1,000	1,017	1,028	1,046	1,046	1,025	1,001	990	983
80%	958	961	968	986	1,002	1,021	1,033	1,021	1,006	985	972	966
90%	925	915	943	958	978	989	994	991	975	953	940	934
Long Term												
Full Simulation Period[a]	977	976	987	1,002	1,016	1,031	1,044	1,043	1,031	1,008	993	982
Water Year Types[b,c]												
Wet (32%)	999	992	1,003	1,023	1,034	1,043	1,060	1,065	1,059	1,040	1,027	1,005
Above Normal (16%)	993	987	999	1,017	1,028	1,049	1,065	1,065	1,052	1,026	1,011	998
Below Normal (13%)	992	994	1,000	1,013	1,028	1,043	1,055	1,051	1,037	1,012	996	994
Dry (24%)	984	989	1,001	992	1,011	1,031	1,043	1,039	1,025	1,004	991	988
Critical (15%)	890	891	906	950	960	976	979	972	952	922	902	895

PAL 113018

Statistic	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,017	1,017	1,022	1,035	1,045	1,056	1,067	1,067	1,065	1,048	1,035	1,023
20%	1,016	1,017	1,021	1,033	1,041	1,054	1,067	1,067	1,062	1,040	1,027	1,023
30%	1,014	1,017	1,020	1,030	1,038	1,051	1,064	1,067	1,057	1,033	1,018	1,019
40%	1,008	1,013	1,019	1,028	1,035	1,048	1,063	1,065	1,050	1,027	1,013	1,011
50%	1,001	1,006	1,017	1,022	1,031	1,046	1,059	1,061	1,045	1,021	1,009	1,007
60%	995	1,000	1,011	1,018	1,028	1,043	1,056	1,056	1,040	1,014	1,001	999
70%	990	993	1,001	1,013	1,020	1,039	1,051	1,048	1,032	1,008	996	995
80%	979	983	983	1,000	1,012	1,024	1,047	1,039	1,018	997	986	983
90%	944	940	949	962	989	999	997	1,006	995	977	955	952
Long Term												
Full Simulation Period[a]	987	989	997	1,009	1,021	1,036	1,048	1,047	1,034	1,011	997	992
Water Year Types[b,c]												
Wet (32%)	1,012	1,014	1,019	1,025	1,033	1,043	1,060	1,065	1,059	1,040	1,027	1,019
Above Normal (16%)	1,004	1,006	1,013	1,022	1,029	1,050	1,065	1,065	1,051	1,025	1,012	1,011
Below Normal (13%)	995	996	1,001	1,026	1,037	1,050	1,060	1,055	1,038	1,013	999	997
Dry (24%)	991	995	1,004	1,003	1,022	1,040	1,052	1,049	1,031	1,011	998	995
Critical (15%)	898	899	914	958	969	984	987	979	958	928	911	903

PAL 113018 minus Current Operations 102818

Statistic	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2	0	1	2	2	1	0	0	0	0	**0**	9
20%	9	13	2	3	3	2	0	0	**0**	0	0	13
30%	11	19	2	6	4	2	0	0	**-1**	**0**	0	13
40%	12	20	11	9	6	2	2	0	**-2**	1	**0**	8
50%	9	18	20	5	4	4	2	2	1	**-2**	1	8
60%	8	15	20	10	6	6	5	0	**-1**	**0**	0	8
70%	17	20	21	13	3	10	5	3	7	7	6	12
80%	21	22	14	13	10	3	14	18	11	11	14	18
90%	20	26	6	4	11	9	3	16	20	24	15	18
Long Term												
Full Simulation Period[a]	9	13	10	7	5	5	4	4	2	3	3	10
Water Year Types[b,c]												
Wet (32%)	13	22	16	2	**0**	0	0	**0**	**0**	**0**	**0**	14
Above Normal (16%)	12	19	14	5	1	0	0	**0**	**-1**	**-1**	0	13
Below Normal (13%)	3	3	2	13	9	7	5	4	2	2	3	4
Dry (24%)	7	6	4	11	11	9	9	9	6	7	7	7
Critical (15%)	8	8	7	8	8	8	7	7	6	7	9	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).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

e These are draft results meant for qualitative analysis and are subject to revision.

Table 3a-5. Shasta Lake Elevation, End of Month Elevation

Current Operations 102818

Statistic	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,015	1,017	1,021	1,033	1,043	1,055	1,067	1,067	1,065	1,047	1,035	1,015
20%	1,007	1,004	1,019	1,030	1,038	1,052	1,067	1,067	1,062	1,040	1,027	1,010
30%	1,002	998	1,018	1,023	1,034	1,049	1,064	1,067	1,058	1,033	1,018	1,006
40%	996	993	1,007	1,019	1,029	1,047	1,061	1,065	1,051	1,026	1,013	1,003
50%	993	988	997	1,017	1,027	1,042	1,057	1,060	1,044	1,023	1,008	998
60%	986	984	991	1,007	1,022	1,038	1,052	1,055	1,040	1,014	1,001	991
70%	973	974	980	1,000	1,017	1,028	1,046	1,046	1,025	1,001	990	983
80%	958	961	968	986	1,002	1,021	1,033	1,021	1,006	985	972	966
90%	925	915	943	958	978	989	994	991	975	953	940	934
Long Term												
Full Simulation Period[a]	977	976	987	1,002	1,016	1,031	1,044	1,043	1,031	1,008	993	982
Water Year Types[b,c]												
Wet (32%)	999	992	1,003	1,023	1,034	1,043	1,060	1,065	1,059	1,040	1,027	1,005
Above Normal (16%)	993	987	999	1,017	1,028	1,049	1,065	1,065	1,052	1,026	1,011	998
Below Normal (13%)	992	994	1,000	1,013	1,028	1,043	1,055	1,051	1,037	1,012	996	994
Dry (24%)	984	989	1,001	992	1,011	1,031	1,043	1,039	1,025	1,004	991	988
Critical (15%)	890	891	906	950	960	976	979	972	952	922	902	895

PAU 113018

Statistic	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,017	1,017	1,022	1,034	1,045	1,057	1,067	1,067	1,065	1,048	1,035	1,023
20%	1,017	1,017	1,021	1,033	1,041	1,054	1,066	1,067	1,061	1,039	1,025	1,023
30%	1,014	1,015	1,020	1,029	1,038	1,050	1,064	1,067	1,055	1,032	1,015	1,015
40%	1,005	1,011	1,018	1,027	1,034	1,048	1,063	1,065	1,044	1,023	1,009	1,005
50%	993	999	1,017	1,021	1,031	1,046	1,058	1,057	1,041	1,013	1,001	998
60%	987	991	1,009	1,017	1,027	1,042	1,054	1,051	1,032	1,007	995	991
70%	982	987	990	1,006	1,018	1,036	1,050	1,047	1,023	999	987	985
80%	969	972	977	992	1,011	1,024	1,042	1,034	1,013	993	975	974
90%	924	916	948	962	983	994	995	998	979	952	935	927
Long Term												
Full Simulation Period[a]	983	985	994	1,007	1,020	1,034	1,046	1,044	1,029	1,006	992	987
Water Year Types[b,c]												
Wet (32%)	1,012	1,014	1,019	1,024	1,034	1,043	1,060	1,064	1,057	1,038	1,024	1,017
Above Normal (16%)	998	1,001	1,010	1,021	1,030	1,049	1,065	1,063	1,047	1,021	1,006	1,004
Below Normal (13%)	987	990	997	1,023	1,036	1,049	1,059	1,052	1,033	1,008	991	988
Dry (24%)	985	990	1,001	999	1,018	1,036	1,048	1,042	1,024	1,004	991	988
Critical (15%)	895	896	911	956	966	980	982	973	951	923	907	899

PAU 113018 minus Current Operations 102818

Statistic	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2	0	1	1	2	1	0	0	0	0	0	9
20%	9	13	1	3	3	2	0	0	0	-1	-1	13
30%	12	17	2	6	3	1	0	0	-3	-2	-3	9
40%	9	18	11	8	6	1	2	0	-8	-3	-4	3
50%	0	11	20	4	4	3	1	-2	-3	-9	-7	0
60%	1	6	18	10	5	4	2	-5	-8	-7	-6	0
70%	9	14	10	6	1	8	4	1	-2	-2	-3	2
80%	11	10	9	6	9	3	9	12	7	8	3	8
90%	-1	1	5	3	5	4	2	7	5	-1	-5	-6
Long Term												
Full Simulation Period[a]	5	9	7	5	4	3	2	1	-3	-2	-2	5
Water Year Types[b,c]												
Wet (32%)	13	21	16	1	0	0	0	0	-2	-2	-3	12
Above Normal (16%)	5	14	11	5	2	0	0	-1	-5	-5	-5	6
Below Normal (13%)	-5	-4	-3	10	8	6	4	1	-3	-4	-5	-6
Dry (24%)	1	1	1	7	7	6	5	3	-1	0	0	0
Critical (15%)	5	5	5	6	5	4	3	2	-2	2	5	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).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

e These are draft results meant for qualitative analysis and are subject to revision.

Figure 3a-1. Shasta Lake, Reservoir Pool Elevation, May
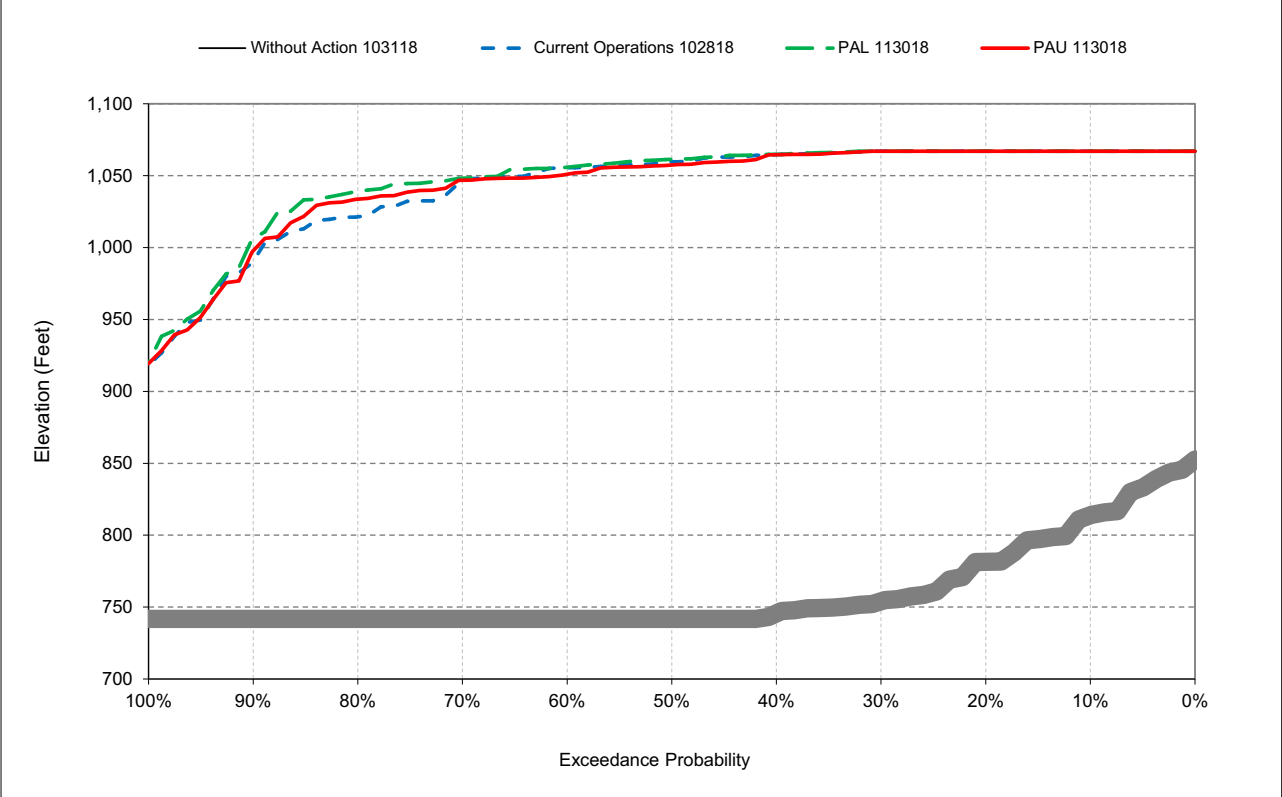
*All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

*These are draft results meant for qualitative analysis and are subject to revision.

Figure 3a-2. Shasta Lake, Reservoir Pool Elevation, September
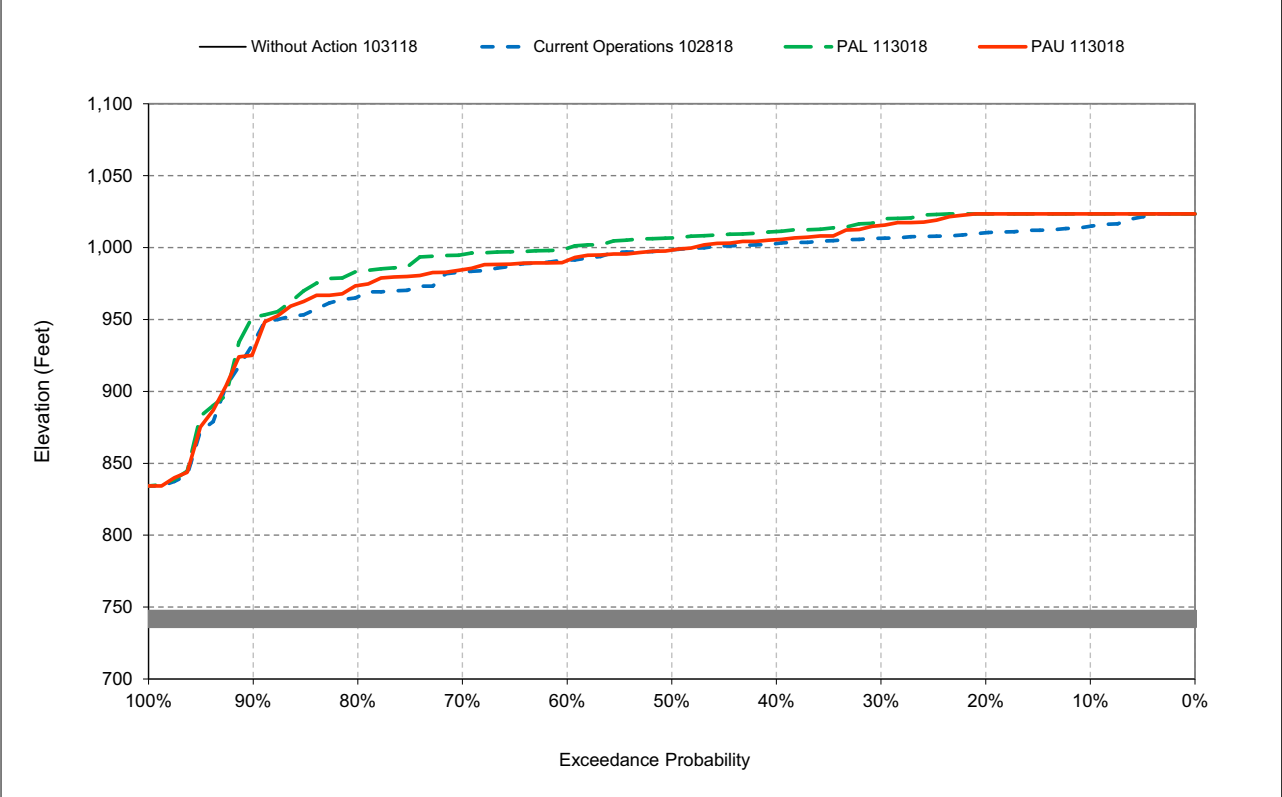
*All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

*These are draft results meant for qualitative analysis and are subject to revision.

Table 4-1. Lake Oroville Storage, End of Month Storage

Without Action **103118**

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	240	389	965	1,334	1,458	1,281	1,059	1,030	619	391	303	258
20%	227	304	735	976	1,134	927	912	864	521	356	272	239
30%	206	262	438	742	933	836	828	701	439	295	234	209
40%	183	231	353	563	767	701	727	617	406	260	215	176
50%	143	201	287	445	673	641	652	544	357	229	182	147
60%	113	186	259	353	507	555	596	495	334	211	162	125
70%	85	114	220	324	411	515	513	434	297	192	149	116
80%	78	84	134	242	333	434	424	392	243	169	133	109
90%	66	59	86	181	255	346	323	242	187	122	106	91
Long Term												
Full Simulation Period[a]	160	238	461	641	746	737	702	613	388	247	194	165
Water Year Types[b,c]												
Wet (32%)	232	321	553	1,143	1,096	999	937	915	559	351	279	242
Above Normal (16%)	160	260	394	755	980	959	776	629	399	269	214	181
Below Normal (13%)	163	161	328	417	656	555	642	508	337	222	168	130
Dry (24%)	113	244	589	295	480	587	602	463	298	183	140	115
Critical (15%)	83	95	240	212	263	347	334	286	201	128	105	97

Current Operations **102818**

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,153	2,150	2,784	2,788	2,925	3,040	3,352	3,538	3,538	3,059	2,749	2,222
20%	1,831	1,857	2,136	2,767	2,788	2,964	3,302	3,538	3,534	2,976	2,544	2,008
30%	1,704	1,733	1,891	2,412	2,788	2,921	3,273	3,487	3,366	2,843	2,375	1,895
40%	1,548	1,552	1,743	1,960	2,668	2,793	3,214	3,374	3,221	2,631	2,165	1,717
50%	1,486	1,458	1,553	1,807	2,203	2,692	2,905	3,002	2,888	2,287	1,811	1,543
60%	1,371	1,303	1,445	1,565	2,023	2,368	2,651	2,722	2,483	1,880	1,541	1,496
70%	1,278	1,191	1,193	1,460	1,752	2,117	2,268	2,320	2,091	1,540	1,426	1,409
80%	1,136	1,063	1,085	1,265	1,558	1,882	2,018	1,995	1,833	1,533	1,363	1,256
90%	896	890	896	1,090	1,291	1,469	1,567	1,623	1,394	1,132	994	949
Long Term												
Full Simulation Period[a]	1,497	1,479	1,643	1,897	2,196	2,433	2,699	2,791	2,647	2,191	1,896	1,618
Water Year Types[b,c]												
Wet (32%)	2,004	1,965	2,084	2,618	2,858	2,942	3,300	3,487	3,447	3,008	2,674	2,188
Above Normal (16%)	1,658	1,639	1,759	1,994	2,515	2,922	3,264	3,414	3,298	2,717	2,238	1,798
Below Normal (13%)	1,434	1,357	1,473	1,803	2,208	2,481	2,737	2,786	2,622	2,033	1,660	1,510
Dry (24%)	1,239	1,276	1,595	1,381	1,659	2,008	2,253	2,284	2,032	1,592	1,431	1,333
Critical (15%)	715	703	800	1,176	1,298	1,464	1,491	1,459	1,261	996	832	766

Current Operations **102818 minus** Without Action **103118**

| Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,913	1,761	1,819	1,454	1,467	1,760	2,292	2,508	2,919	2,668	2,446	1,964
20%	1,605	1,553	1,401	1,791	1,654	2,037	2,390	2,674	3,012	2,619	2,272	1,769
30%	1,498	1,471	1,453	1,670	1,855	2,085	2,446	2,785	2,926	2,548	2,140	1,686
40%	1,365	1,320	1,390	1,397	1,901	2,093	2,487	2,757	2,815	2,371	1,950	1,542
50%	1,343	1,257	1,266	1,362	1,530	2,050	2,253	2,457	2,531	2,058	1,629	1,396
60%	1,258	1,116	1,186	1,212	1,516	1,813	2,055	2,226	2,149	1,669	1,379	1,371
70%	1,193	1,077	972	1,136	1,341	1,602	1,755	1,886	1,794	1,348	1,277	1,293
80%	1,058	979	951	1,024	1,225	1,448	1,595	1,603	1,590	1,364	1,229	1,147
90%	829	831	810	909	1,037	1,123	1,244	1,381	1,207	1,010	888	858
Long Term												
Full Simulation Period[a]	1,337	1,241	1,183	1,256	1,449	1,696	1,996	2,179	2,259	1,944	1,702	1,453
Water Year Types[b,c]												
Wet (32%)	1,772	1,644	1,531	1,475	1,762	1,943	2,362	2,572	2,887	2,657	2,396	1,946
Above Normal (16%)	1,499	1,379	1,365	1,239	1,534	1,963	2,489	2,785	2,899	2,448	2,024	1,617
Below Normal (13%)	1,271	1,195	1,144	1,385	1,553	1,926	2,095	2,278	2,284	1,811	1,492	1,380
Dry (24%)	1,126	1,032	1,005	1,086	1,180	1,421	1,651	1,821	1,734	1,409	1,291	1,218
Critical (15%)	632	608	560	963	1,035	1,117	1,157	1,173	1,060	868	727	669

a Based on 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 These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

e These are draft results meant for qualitative analysis and are subject to revision.

Table 4-2. Lake Oroville Storage, End of Month Storage

Without Action **103118**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
						End of Month Storage (TAF)						
Probability of Exceedance												
10%	240	389	965	1,334	1,458	1,281	1,059	1,030	619	391	303	258
20%	227	304	735	976	1,134	927	912	864	521	356	272	239
30%	206	262	438	742	933	836	828	701	439	295	234	209
40%	183	231	353	563	767	701	727	617	406	260	215	176
50%	143	201	287	445	673	641	652	544	357	229	182	147
60%	113	186	259	353	507	555	596	495	334	211	162	125
70%	85	114	220	324	411	515	513	434	297	192	149	116
80%	78	84	134	242	333	434	424	392	243	169	133	109
90%	66	59	86	181	255	346	323	242	187	122	106	91
Long Term												
Full Simulation Period[a]	160	238	461	641	746	737	702	613	388	247	194	165
Water Year Types[b,c]												
Wet (32%)	232	321	553	1,143	1,096	999	937	915	559	351	279	242
Above Normal (16%)	160	260	394	755	980	959	776	629	399	269	214	181
Below Normal (13%)	163	161	328	417	656	555	642	508	337	222	168	130
Dry (24%)	113	244	589	295	480	587	602	463	298	183	140	115
Critical (15%)	83	95	240	212	263	347	334	286	201	128	105	97

PAL 113018

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
						End of Month Storage (TAF)						
Probability of Exceedance												
10%	2,688	2,729	2,788	2,807	2,961	3,058	3,352	3,538	3,538	3,059	2,745	2,714
20%	2,231	2,258	2,505	2,788	2,853	2,994	3,302	3,538	3,534	2,972	2,532	2,288
30%	1,960	2,067	2,246	2,627	2,788	2,944	3,273	3,488	3,337	2,805	2,353	2,091
40%	1,672	1,688	2,004	2,453	2,788	2,841	3,214	3,377	3,219	2,595	2,148	1,856
50%	1,520	1,528	1,720	2,242	2,617	2,788	3,128	3,161	2,982	2,386	1,930	1,558
60%	1,397	1,334	1,531	1,594	2,124	2,617	2,832	2,820	2,626	1,998	1,558	1,517
70%	1,297	1,232	1,225	1,553	1,815	2,253	2,537	2,469	2,117	1,540	1,425	1,369
80%	1,139	1,044	1,121	1,309	1,668	1,941	2,055	2,153	1,879	1,526	1,366	1,259
90%	945	905	915	1,110	1,337	1,514	1,622	1,646	1,447	1,207	1,070	1,038
Long Term												
Full Simulation Period[a]	1,644	1,631	1,776	2,012	2,283	2,496	2,761	2,850	2,678	2,203	1,898	1,749
Water Year Types[b,c]												
Wet (32%)	2,399	2,370	2,438	2,684	2,889	2,942	3,300	3,487	3,438	2,993	2,662	2,532
Above Normal (16%)	1,775	1,768	1,876	2,149	2,640	2,960	3,294	3,440	3,311	2,726	2,248	1,930
Below Normal (13%)	1,463	1,386	1,501	2,112	2,421	2,683	2,939	2,976	2,768	2,147	1,708	1,519
Dry (24%)	1,257	1,294	1,606	1,490	1,774	2,126	2,371	2,403	2,109	1,615	1,446	1,349
Critical (15%)	679	667	767	1,184	1,305	1,475	1,502	1,461	1,214	956	793	732

PAL 113018 minus Without Action **103118**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
						End of Month Storage (TAF)						
Probability of Exceedance												
10%	2,448	2,340	1,823	1,473	1,503	1,777	2,292	2,508	2,919	2,668	2,442	2,456
20%	2,004	1,954	1,770	1,812	1,719	2,067	2,390	2,674	3,012	2,616	2,260	2,049
30%	1,754	1,806	1,808	1,885	1,855	2,108	2,446	2,787	2,898	2,510	2,119	1,882
40%	1,489	1,456	1,651	1,890	2,021	2,141	2,487	2,760	2,813	2,335	1,934	1,681
50%	1,376	1,327	1,433	1,797	1,944	2,147	2,476	2,616	2,626	2,157	1,748	1,411
60%	1,284	1,148	1,272	1,241	1,617	2,062	2,236	2,324	2,292	1,787	1,395	1,392
70%	1,212	1,118	1,005	1,229	1,403	1,738	2,024	2,035	1,820	1,349	1,277	1,254
80%	1,060	960	986	1,068	1,335	1,507	1,632	1,760	1,636	1,357	1,232	1,150
90%	878	846	830	929	1,082	1,168	1,299	1,404	1,260	1,085	965	947
Long Term												
Full Simulation Period[a]	1,484	1,393	1,315	1,370	1,537	1,759	2,059	2,237	2,290	1,956	1,704	1,584
Water Year Types[b,c]												
Wet (32%)	2,167	2,049	1,885	1,541	1,794	1,943	2,362	2,572	2,878	2,642	2,384	2,290
Above Normal (16%)	1,615	1,508	1,482	1,394	1,659	2,001	2,518	2,811	2,912	2,457	2,034	1,749
Below Normal (13%)	1,300	1,225	1,173	1,695	1,766	2,128	2,297	2,468	2,430	1,925	1,540	1,389
Dry (24%)	1,144	1,051	1,017	1,195	1,295	1,539	1,769	1,941	1,811	1,432	1,306	1,235
Critical (15%)	597	572	527	972	1,041	1,129	1,168	1,175	1,012	828	688	635

a Based on 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 These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

e These are draft results meant for qualitative analysis and are subject to revision.

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

Without Action **103118**

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	240	389	965	1,334	1,458	1,281	1,059	1,030	619	391	303	258
20%	227	304	735	976	1,134	927	912	864	521	356	272	239
30%	206	262	438	742	933	836	828	701	439	295	234	209
40%	183	231	353	563	767	701	727	617	406	260	215	176
50%	143	201	287	445	673	641	652	544	357	229	182	147
60%	113	186	259	353	507	555	596	495	334	211	162	125
70%	85	114	220	324	411	515	513	434	297	192	149	116
80%	78	84	134	242	333	434	424	392	243	169	133	109
90%	66	59	86	181	255	346	323	242	187	122	106	91
Long Term												
Full Simulation Period[a]	160	238	461	641	746	737	702	613	388	247	194	165
Water Year Types[b,c]												
Wet (32%)	232	321	553	1,143	1,096	999	937	915	559	351	279	242
Above Normal (16%)	160	260	394	755	980	959	776	629	399	269	214	181
Below Normal (13%)	163	161	328	417	656	555	642	508	337	222	168	130
Dry (24%)	113	244	589	295	480	587	602	463	298	183	140	115
Critical (15%)	83	95	240	212	263	347	334	286	201	128	105	97

PAU 113018

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,674	2,614	2,788	2,807	2,952	3,054	3,354	3,538	3,538	3,059	2,758	2,711
20%	2,124	2,223	2,498	2,788	2,827	2,990	3,302	3,538	3,525	2,954	2,502	2,304
30%	1,888	1,993	2,149	2,526	2,788	2,933	3,273	3,474	3,268	2,719	2,326	2,093
40%	1,651	1,738	1,962	2,406	2,788	2,841	3,209	3,377	3,069	2,504	2,040	1,720
50%	1,502	1,499	1,726	2,070	2,575	2,788	3,104	3,100	2,764	2,143	1,813	1,570
60%	1,374	1,297	1,493	1,632	2,068	2,621	2,830	2,814	2,517	1,881	1,541	1,453
70%	1,264	1,183	1,219	1,482	1,834	2,234	2,438	2,472	2,029	1,540	1,448	1,370
80%	1,147	1,046	1,078	1,255	1,646	1,857	2,155	2,035	1,758	1,539	1,377	1,287
90%	978	950	943	1,086	1,333	1,492	1,618	1,770	1,527	1,267	1,150	1,103
Long Term												
Full Simulation Period[a]	1,626	1,613	1,755	1,993	2,266	2,491	2,755	2,822	2,594	2,148	1,875	1,737
Water Year Types[b,c]												
Wet (32%)	2,378	2,351	2,400	2,659	2,876	2,942	3,300	3,476	3,391	2,958	2,663	2,532
Above Normal (16%)	1,703	1,701	1,826	2,112	2,592	2,957	3,295	3,420	3,187	2,580	2,115	1,831
Below Normal (13%)	1,447	1,369	1,487	2,071	2,378	2,643	2,892	2,885	2,553	1,989	1,641	1,514
Dry (24%)	1,256	1,294	1,606	1,480	1,762	2,113	2,358	2,359	2,003	1,596	1,456	1,351
Critical (15%)	691	675	776	1,207	1,330	1,503	1,527	1,476	1,247	989	825	761

PAU 113018 minus Without Action **103118**

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,434	2,225	1,823	1,473	1,493	1,773	2,294	2,508	2,919	2,668	2,455	2,453
20%	1,897	1,919	1,763	1,812	1,693	2,063	2,390	2,674	3,003	2,597	2,230	2,065
30%	1,682	1,731	1,711	1,784	1,855	2,097	2,446	2,772	2,829	2,424	2,091	1,884
40%	1,468	1,507	1,610	1,843	2,021	2,141	2,481	2,760	2,663	2,245	1,825	1,544
50%	1,359	1,298	1,439	1,624	1,903	2,147	2,451	2,556	2,407	1,915	1,632	1,424
60%	1,260	1,111	1,234	1,279	1,561	2,066	2,234	2,319	2,183	1,670	1,379	1,327
70%	1,179	1,069	999	1,158	1,423	1,719	1,925	2,038	1,732	1,348	1,299	1,254
80%	1,069	962	944	1,014	1,313	1,423	1,732	1,643	1,514	1,370	1,243	1,178
90%	911	890	858	905	1,079	1,146	1,295	1,528	1,340	1,145	1,044	1,012
Long Term												
Full Simulation Period[a]	1,465	1,375	1,294	1,352	1,520	1,754	2,053	2,210	2,206	1,901	1,681	1,572
Water Year Types[b,c]												
Wet (32%)	2,146	2,030	1,846	1,516	1,781	1,943	2,362	2,560	2,831	2,607	2,384	2,290
Above Normal (16%)	1,543	1,441	1,432	1,357	1,611	1,998	2,519	2,791	2,787	2,311	1,900	1,650
Below Normal (13%)	1,285	1,208	1,159	1,653	1,723	2,088	2,250	2,377	2,216	1,767	1,473	1,385
Dry (24%)	1,143	1,050	1,017	1,185	1,283	1,526	1,756	1,896	1,706	1,414	1,315	1,236
Critical (15%)	608	580	537	995	1,066	1,157	1,193	1,190	1,046	862	720	664

a Based on 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 These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

e These are draft results meant for qualitative analysis and are subject to revision.

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

Current Operations 102818

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,153	2,150	2,784	2,788	2,925	3,040	3,352	3,538	3,538	3,059	2,749	2,222
20%	1,831	1,857	2,136	2,767	2,788	2,964	3,302	3,538	3,534	2,976	2,544	2,008
30%	1,704	1,733	1,891	2,412	2,788	2,921	3,273	3,487	3,366	2,843	2,375	1,895
40%	1,548	1,552	1,743	1,960	2,668	2,793	3,214	3,374	3,221	2,631	2,165	1,717
50%	1,486	1,458	1,553	1,807	2,203	2,692	2,905	3,002	2,888	2,287	1,811	1,543
60%	1,371	1,303	1,445	1,565	2,023	2,368	2,651	2,722	2,483	1,880	1,541	1,496
70%	1,278	1,191	1,193	1,460	1,752	2,117	2,268	2,320	2,091	1,540	1,426	1,409
80%	1,136	1,063	1,085	1,265	1,558	1,882	2,018	1,995	1,833	1,533	1,363	1,256
90%	896	890	896	1,090	1,291	1,469	1,567	1,623	1,394	1,132	994	949
Long Term												
Full Simulation Period[a]	1,497	1,479	1,643	1,897	2,196	2,433	2,699	2,791	2,647	2,191	1,896	1,618
Water Year Types[b,c]												
Wet (32%)	2,004	1,965	2,084	2,618	2,858	2,942	3,300	3,487	3,447	3,008	2,674	2,188
Above Normal (16%)	1,658	1,639	1,759	1,994	2,515	2,922	3,264	3,414	3,298	2,717	2,238	1,798
Below Normal (13%)	1,434	1,357	1,473	1,803	2,208	2,481	2,737	2,786	2,622	2,033	1,660	1,510
Dry (24%)	1,239	1,276	1,595	1,381	1,659	2,008	2,253	2,284	2,032	1,592	1,431	1,333
Critical (15%)	715	703	800	1,176	1,298	1,464	1,491	1,459	1,261	996	832	766

PAL 113018

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,688	2,729	2,788	2,807	2,961	3,058	3,352	3,538	3,538	3,059	2,745	2,714
20%	2,231	2,258	2,505	2,788	2,853	2,994	3,302	3,538	3,534	2,972	2,532	2,288
30%	1,960	2,067	2,246	2,627	2,788	2,944	3,273	3,488	3,337	2,805	2,353	2,091
40%	1,672	1,688	2,004	2,453	2,788	2,841	3,214	3,377	3,219	2,595	2,148	1,856
50%	1,520	1,528	1,720	2,242	2,617	2,788	3,128	3,161	2,982	2,386	1,930	1,558
60%	1,397	1,334	1,531	1,594	2,124	2,617	2,832	2,820	2,626	1,998	1,558	1,517
70%	1,297	1,232	1,225	1,553	1,815	2,253	2,537	2,469	2,117	1,540	1,425	1,369
80%	1,139	1,044	1,121	1,309	1,668	1,941	2,055	2,153	1,879	1,526	1,366	1,259
90%	945	905	915	1,110	1,337	1,514	1,622	1,646	1,447	1,207	1,070	1,038
Long Term												
Full Simulation Period[a]	1,644	1,631	1,776	2,012	2,283	2,496	2,761	2,850	2,678	2,203	1,898	1,749
Water Year Types[b,c]												
Wet (32%)	2,399	2,370	2,438	2,684	2,889	2,942	3,300	3,487	3,438	2,993	2,662	2,532
Above Normal (16%)	1,775	1,768	1,876	2,149	2,640	2,960	3,294	3,440	3,311	2,726	2,248	1,930
Below Normal (13%)	1,463	1,386	1,501	2,112	2,421	2,683	2,939	2,976	2,768	2,147	1,708	1,519
Dry (24%)	1,257	1,294	1,606	1,490	1,774	2,126	2,371	2,403	2,109	1,615	1,446	1,349
Critical (15%)	679	667	767	1,184	1,305	1,475	1,502	1,461	1,214	956	793	732

PAL 113018 minus Current Operations 102818

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	536	579	4	19	36	17	0	0	0	**0**	**-4**	492
20%	400	401	369	21	65	30	0	0	0	**-4**	**-12**	280
30%	256	334	355	215	0	23	0	1	**-28**	**-38**	**-21**	196
40%	124	136	262	493	120	48	0	4	**-2**	**-36**	**-16**	139
50%	33	70	167	436	414	96	223	159	95	99	119	15
60%	26	32	86	29	101	249	181	98	143	118	16	22
70%	19	40	32	93	62	136	270	149	26	1	**-1**	**-39**
80%	3	**-19**	36	44	109	59	37	158	46	**-7**	3	3
90%	49	15	20	20	46	45	55	24	52	74	76	89
Long Term												
Full Simulation Period[a]	147	152	133	115	87	63	62	59	31	12	2	130
Water Year Types[b,c]												
Wet (32%)	395	405	354	65	32	0	0	0	**-9**	**-15**	**-12**	344
Above Normal (16%)	117	129	117	155	125	38	30	26	13	9	10	132
Below Normal (13%)	29	29	28	310	213	203	203	190	146	114	48	9
Dry (24%)	18	19	11	109	115	118	118	120	77	23	15	17
Critical (15%)	**-36**	**-36**	**-33**	8	7	11	11	2	**-48**	**-40**	**-39**	**-34**

a Based on 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 These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

e These are draft results meant for qualitative analysis and are subject to revision.

Table 4-5. Lake Oroville Storage, End of Month Storage

Current Operations 102818

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,153	2,150	2,784	2,788	2,925	3,040	3,352	3,538	3,538	3,059	2,749	2,222
20%	1,831	1,857	2,136	2,767	2,788	2,964	3,302	3,538	3,534	2,976	2,544	2,008
30%	1,704	1,733	1,891	2,412	2,788	2,921	3,273	3,487	3,366	2,843	2,375	1,895
40%	1,548	1,552	1,743	1,960	2,668	2,793	3,214	3,374	3,221	2,631	2,165	1,717
50%	1,486	1,458	1,553	1,807	2,203	2,692	2,905	3,002	2,888	2,287	1,811	1,543
60%	1,371	1,303	1,445	1,565	2,023	2,368	2,651	2,722	2,483	1,880	1,541	1,496
70%	1,278	1,191	1,193	1,460	1,752	2,117	2,268	2,320	2,091	1,540	1,426	1,409
80%	1,136	1,063	1,085	1,265	1,558	1,882	2,018	1,995	1,833	1,533	1,363	1,256
90%	896	890	896	1,090	1,291	1,469	1,567	1,623	1,394	1,132	994	949
Long Term												
Full Simulation Period[a]	1,497	1,479	1,643	1,897	2,196	2,433	2,699	2,791	2,647	2,191	1,896	1,618
Water Year Types[b,c]												
Wet (32%)	2,004	1,965	2,084	2,618	2,858	2,942	3,300	3,487	3,447	3,008	2,674	2,188
Above Normal (16%)	1,658	1,639	1,759	1,994	2,515	2,922	3,264	3,414	3,298	2,717	2,238	1,798
Below Normal (13%)	1,434	1,357	1,473	1,803	2,208	2,481	2,737	2,786	2,622	2,033	1,660	1,510
Dry (24%)	1,239	1,276	1,595	1,381	1,659	2,008	2,253	2,284	2,032	1,592	1,431	1,333
Critical (15%)	715	703	800	1,176	1,298	1,464	1,491	1,459	1,261	996	832	766

PAU 113018

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,674	2,614	2,788	2,807	2,952	3,054	3,354	3,538	3,538	3,059	2,758	2,711
20%	2,124	2,223	2,498	2,788	2,827	2,990	3,302	3,538	3,525	2,954	2,502	2,304
30%	1,888	1,993	2,149	2,526	2,788	2,933	3,273	3,474	3,268	2,719	2,326	2,093
40%	1,651	1,738	1,962	2,406	2,788	2,841	3,209	3,377	3,069	2,504	2,040	1,720
50%	1,502	1,499	1,726	2,070	2,575	2,788	3,104	3,100	2,764	2,143	1,813	1,570
60%	1,374	1,297	1,493	1,632	2,068	2,621	2,830	2,814	2,517	1,881	1,541	1,453
70%	1,264	1,183	1,219	1,482	1,834	2,234	2,438	2,472	2,029	1,540	1,448	1,370
80%	1,147	1,046	1,078	1,255	1,646	1,857	2,155	2,035	1,758	1,539	1,377	1,287
90%	978	950	943	1,086	1,333	1,492	1,618	1,770	1,527	1,267	1,150	1,103
Long Term												
Full Simulation Period[a]	1,626	1,613	1,755	1,993	2,266	2,491	2,755	2,822	2,594	2,148	1,875	1,737
Water Year Types[b,c]												
Wet (32%)	2,378	2,351	2,400	2,659	2,876	2,942	3,300	3,476	3,391	2,958	2,663	2,532
Above Normal (16%)	1,703	1,701	1,826	2,112	2,592	2,957	3,295	3,420	3,187	2,580	2,115	1,831
Below Normal (13%)	1,447	1,369	1,487	2,071	2,378	2,643	2,892	2,885	2,553	1,989	1,641	1,514
Dry (24%)	1,256	1,294	1,606	1,480	1,762	2,113	2,358	2,359	2,003	1,596	1,456	1,351
Critical (15%)	691	675	776	1,207	1,330	1,503	1,527	1,476	1,247	989	825	761

PAU 113018 minus Current Operations 102818

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	522	464	4	19	26	13	2	0	0	0	9	489
20%	293	366	362	21	39	26	0	0	-9	-22	-42	296
30%	184	260	258	114	0	13	0	-13	-97	-124	-49	199
40%	103	187	220	446	119	48	-6	4	-152	-127	-125	2
50%	16	41	174	263	373	96	198	99	-124	-144	3	27
60%	3	-5	48	67	45	253	179	93	34	1	0	-43
70%	-14	-9	27	22	82	117	171	151	-62	0	22	-39
80%	11	-17	-7	-10	88	-25	137	40	-76	6	14	31
90%	82	60	47	-4	42	22	52	148	132	135	156	154
Long Term												
Full Simulation Period[a]	128	134	112	96	71	59	57	31	-54	-43	-21	119
Water Year Types[b,c]												
Wet (32%)	374	386	315	40	19	0	0	-12	-56	-50	-12	344
Above Normal (16%)	45	62	67	118	77	35	30	5	-111	-137	-123	33
Below Normal (13%)	13	13	14	268	170	162	155	99	-69	-44	-19	4
Dry (24%)	17	19	11	99	103	104	105	75	-28	4	25	18
Critical (15%)	-24	-28	-23	32	32	39	36	17	-14	-6	-7	-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).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

e These are draft results meant for qualitative analysis and are subject to revision.

Figure 4-1. Lake Oroville Storage, End of May Storage
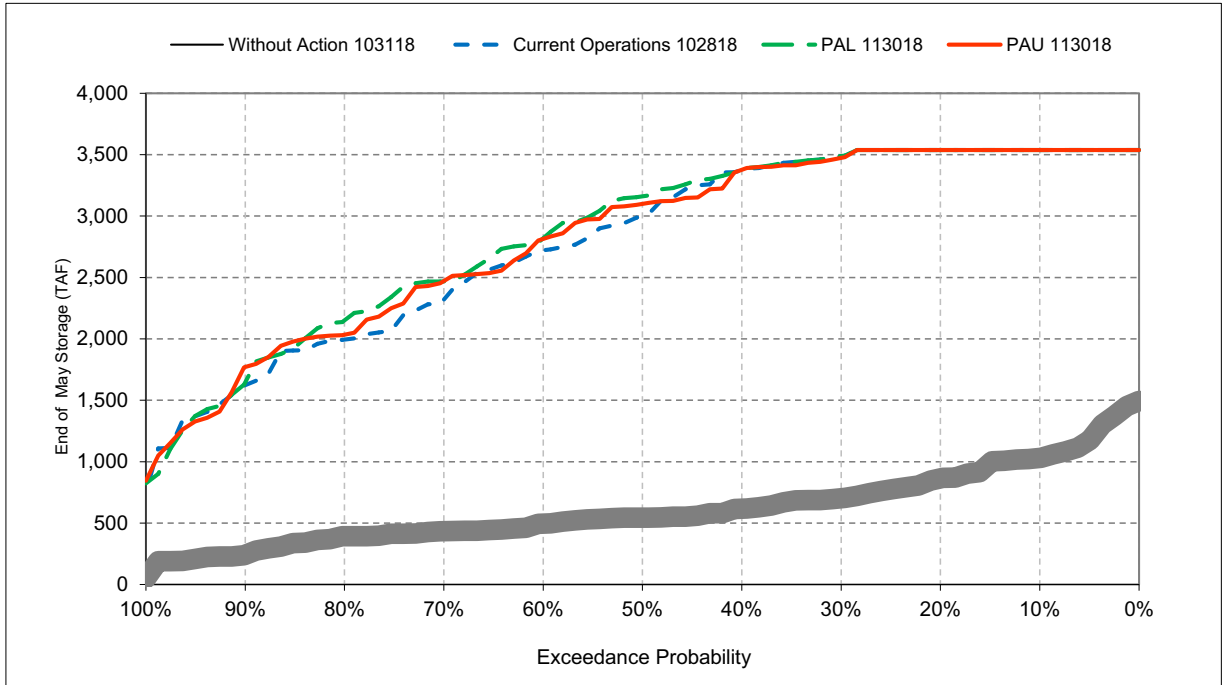
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

*These are draft results meant for qualitative analysis and are subject to revision.

Figure 4-2. Lake Oroville Storage, End of September Storage

*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.
*These are draft results meant for qualitative analysis and are subject to revision.

Table 4a-1. Lake Oroville Elevation, End of Month Elevation

Without Action **103118**

Statistic	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	483	537	660	708	723	701	674	671	596	538	506	490
20%	479	507	618	662	683	653	651	642	578	525	495	483
30%	471	491	555	619	654	637	635	612	555	503	481	472
40%	463	480	524	586	624	612	617	596	543	490	474	460
50%	448	469	500	557	606	600	602	582	526	479	462	450
60%	433	464	490	524	575	584	592	573	517	473	455	442
70%	401	433	476	514	545	577	576	553	504	466	450	435
80%	394	400	445	484	517	553	550	538	485	458	445	428
90%	380	373	402	462	489	522	513	484	464	441	424	408
Long Term												
Full Simulation Period[a]	441	467	526	572	598	605	599	583	529	483	463	451
Water Year Types[b,c]												
Wet (32%)	481	510	559	667	654	647	634	644	579	524	497	484
Above Normal (16%)	449	479	523	613	655	651	625	598	540	494	474	462
Below Normal (13%)	430	433	488	543	593	581	599	568	517	477	457	440
Dry (24%)	417	461	539	501	557	585	587	555	503	457	439	430
Critical (15%)	398	404	470	463	483	516	511	494	463	430	418	412

Current Operations 102818

Statistic	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	799	798	849	849	858	866	887	900	900	867	846	806
20%	766	768	797	847	849	861	884	900	900	862	832	784
30%	752	755	772	823	849	858	882	896	888	853	821	772
40%	734	734	756	779	841	849	878	889	878	838	800	754
50%	726	723	734	763	804	842	857	863	856	812	763	733
60%	712	704	721	736	785	820	839	844	828	771	733	728
70%	701	690	691	723	757	795	810	815	792	733	719	717
80%	684	675	677	699	735	771	785	782	766	732	711	698
90%	648	647	648	678	703	724	736	743	715	683	665	657
Long Term												
Full Simulation Period[a]	720	718	735	764	794	816	836	842	828	789	761	734
Water Year Types[b,c]												
Wet (32%)	780	777	786	835	854	859	884	896	894	864	840	798
Above Normal (16%)	746	742	755	778	827	858	881	892	884	844	806	762
Below Normal (13%)	719	709	722	760	801	824	844	847	835	785	746	729
Dry (24%)	696	699	731	710	745	783	806	808	784	738	719	707
Critical (15%)	602	603	624	686	702	722	725	721	695	654	624	611

Current Operations 102818 minus Without Action **103118**

| Statistic	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	315	261	188	141	135	165	213	229	304	329	340	316
20%	287	262	179	185	165	207	233	258	322	336	337	301
30%	281	264	217	204	194	221	246	285	333	349	339	300
40%	271	254	232	193	217	238	261	293	335	348	326	294
50%	278	254	234	206	197	242	254	281	330	333	301	284
60%	280	240	231	212	210	236	248	271	311	298	278	286
70%	300	257	214	210	212	218	234	262	288	267	269	282
80%	290	275	232	216	218	217	235	244	281	274	266	270
90%	267	274	246	216	214	203	223	259	251	242	240	249
Long Term												
Full Simulation Period[a]	279	250	209	192	196	211	237	259	299	306	298	283
Water Year Types[b,c]												
Wet (32%)	300	266	227	168	199	212	249	252	315	340	343	314
Above Normal (16%)	297	264	232	165	171	206	256	293	344	350	332	300
Below Normal (13%)	289	276	234	217	208	244	245	279	318	308	289	289
Dry (24%)	279	238	192	209	188	197	219	253	281	281	280	278
Critical (15%)	203	199	153	223	219	207	215	227	231	224	205	198

a Based on 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 These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.
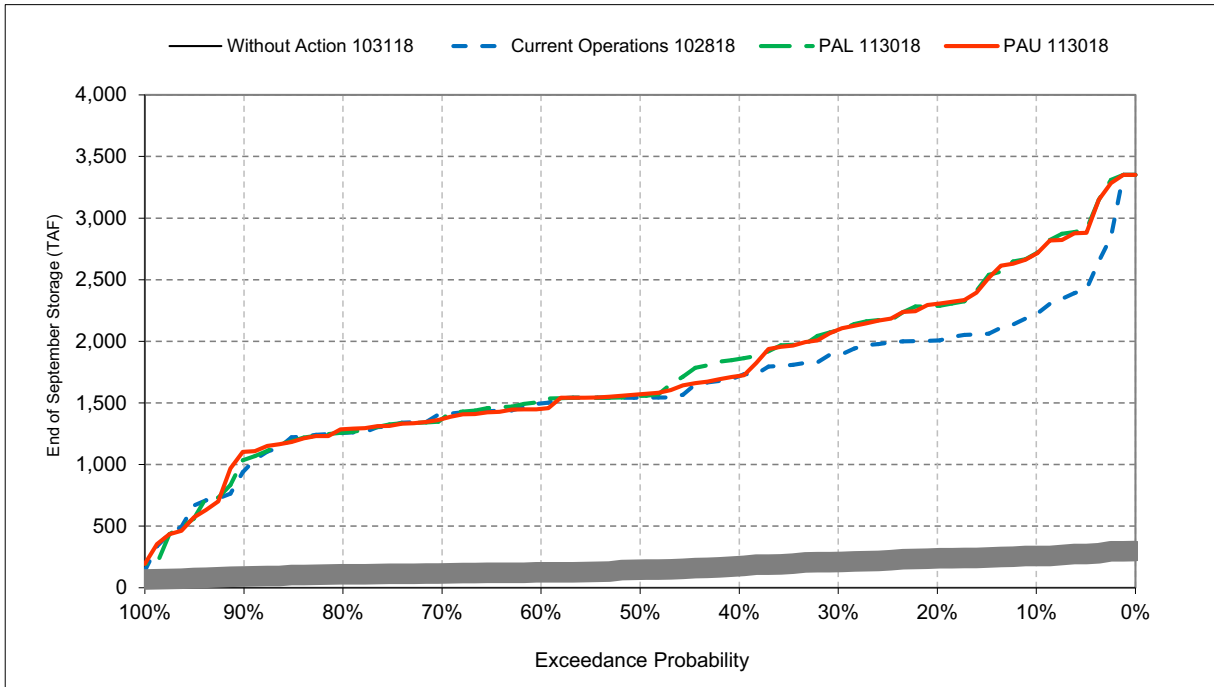
e These are draft results meant for qualitative analysis and are subject to revision.

Table 4a-2. Lake Oroville Elevation, End of Month Elevation

Without Action **103118**

Statistic	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	483	537	660	708	723	701	674	671	596	538	506	490
20%	479	507	618	662	683	653	651	642	578	525	495	483
30%	471	491	555	619	654	637	635	612	555	503	481	472
40%	463	480	524	586	624	612	617	596	543	490	474	460
50%	448	469	500	557	606	600	602	582	526	479	462	450
60%	433	464	490	524	575	584	592	573	517	473	455	442
70%	401	433	476	514	545	577	576	553	504	466	450	435
80%	394	400	445	484	517	553	550	538	485	458	445	428
90%	380	373	402	462	489	522	513	484	464	441	424	408
Long Term												
Full Simulation Period[a]	441	467	526	572	598	605	599	583	529	483	463	451
Water Year Types[b,c]												
Wet (32%)	481	510	559	667	654	647	634	644	579	524	497	484
Above Normal (16%)	449	479	523	613	655	651	625	598	540	494	474	462
Below Normal (13%)	430	433	488	543	593	581	599	568	517	477	457	440
Dry (24%)	417	461	539	501	557	585	587	555	503	457	439	430
Critical (15%)	398	404	470	463	483	516	511	494	463	430	418	412

PAL 113018

Statistic	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	842	845	849	850	861	867	887	900	900	867	846	844
20%	807	809	829	849	853	863	884	900	900	861	831	812
30%	779	790	808	838	849	859	882	897	886	850	819	792
40%	749	751	783	826	849	852	878	889	878	836	798	768
50%	730	731	754	808	837	849	872	874	862	821	776	735
60%	715	708	732	739	796	837	852	851	838	783	735	730
70%	703	695	694	735	764	809	832	827	795	733	719	712
80%	684	672	682	705	748	777	789	799	770	731	712	699
90%	657	650	651	680	708	730	743	746	722	692	676	672
Long Term												
Full Simulation Period[a]	733	732	748	774	801	821	841	846	831	790	761	745
Water Year Types[b,c]												
Wet (32%)	816	814	820	840	856	859	884	896	893	863	839	828
Above Normal (16%)	759	756	768	794	837	860	883	893	884	845	807	776
Below Normal (13%)	723	713	726	787	818	839	859	862	847	797	752	730
Dry (24%)	698	702	732	722	755	792	815	818	792	741	721	710
Critical (15%)	593	595	616	685	702	724	726	720	688	649	617	605

PAL 113018 minus Without Action **103118**

Statistic	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	359	308	188	142	138	166	213	229	304	329	340	354
20%	328	303	211	186	170	209	233	258	322	336	336	330
30%	308	299	253	218	194	222	246	285	331	347	338	320
40%	286	270	259	240	225	241	261	293	335	345	324	308
50%	282	262	254	250	231	248	270	292	336	342	313	285
60%	283	244	242	215	220	253	260	278	320	310	280	288
70%	302	262	218	221	219	232	255	274	291	267	269	277
80%	290	272	237	221	232	223	239	260	286	274	267	271
90%	276	277	249	218	220	208	230	261	257	252	251	264
Long Term												
Full Simulation Period[a]	292	265	222	202	203	216	242	264	302	307	298	294
Water Year Types[b,c]												
Wet (32%)	335	304	261	173	201	212	249	252	314	339	341	344
Above Normal (16%)	310	278	245	180	181	209	258	295	345	351	333	314
Below Normal (13%)	292	280	238	244	225	258	260	293	330	320	294	290
Dry (24%)	282	241	193	220	198	207	228	264	289	284	282	280
Critical (15%)	195	191	145	222	219	208	216	227	225	218	198	193

a Based on 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 These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

e These are draft results meant for qualitative analysis and are subject to revision.

Table 4a-3. Lake Oroville Elevation, End of Month Elevation

Without Action **103118**

Statistic	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	483	537	660	708	723	701	674	671	596	538	506	490
20%	479	507	618	662	683	653	651	642	578	525	495	483
30%	471	491	555	619	654	637	635	612	555	503	481	472
40%	463	480	524	586	624	612	617	596	543	490	474	460
50%	448	469	500	557	606	600	602	582	526	479	462	450
60%	433	464	490	524	575	584	592	573	517	473	455	442
70%	401	433	476	514	545	577	576	553	504	466	450	435
80%	394	400	445	484	517	553	550	538	485	458	445	428
90%	380	373	402	462	489	522	513	484	464	441	424	408
Long Term												
Full Simulation Period[a]	441	467	526	572	598	605	599	583	529	483	463	451
Water Year Types[b,c]												
Wet (32%)	481	510	559	667	654	647	634	644	579	524	497	484
Above Normal (16%)	449	479	523	613	655	651	625	598	540	494	474	462
Below Normal (13%)	430	433	488	543	593	581	599	568	517	477	457	440
Dry (24%)	417	461	539	501	557	585	587	555	503	457	439	430
Critical (15%)	398	404	470	463	483	516	511	494	463	430	418	412

PAU 113018

Statistic	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	841	837	849	850	860	867	887	900	900	867	847	843
20%	796	806	829	849	851	863	884	900	899	860	829	814
30%	771	782	798	831	849	859	882	896	882	844	816	792
40%	747	756	779	823	849	852	877	889	868	829	787	754
50%	728	728	755	790	834	849	870	870	847	798	764	737
60%	713	703	727	744	790	837	852	851	830	771	733	722
70%	699	689	694	726	766	807	825	827	786	733	722	712
80%	685	673	677	698	746	768	799	786	758	733	713	702
90%	663	657	656	677	708	727	742	759	731	700	685	680
Long Term												
Full Simulation Period[a]	731	730	746	773	800	820	840	845	825	786	759	744
Water Year Types[b,c]												
Wet (32%)	814	813	817	838	855	859	884	896	890	860	839	828
Above Normal (16%)	751	749	762	790	832	860	883	892	876	834	794	765
Below Normal (13%)	721	711	724	783	815	836	855	855	830	781	744	730
Dry (24%)	698	701	732	721	755	792	814	815	782	739	722	710
Critical (15%)	591	593	619	689	705	727	729	723	693	654	623	611

PAU 113018 minus Without Action **103118**

Statistic	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	358	300	188	142	137	166	213	229	304	329	341	354
20%	317	299	211	186	168	209	233	258	321	335	334	331
30%	300	291	243	212	194	222	246	284	326	341	335	320
40%	284	276	255	237	225	241	261	293	325	339	313	294
50%	280	259	254	233	228	248	268	288	322	318	301	287
60%	280	239	237	220	215	253	260	278	313	298	278	280
70%	298	256	218	212	221	230	249	274	282	267	271	277
80%	291	273	231	214	229	215	249	248	273	275	268	274
90%	282	285	254	215	219	205	229	275	267	259	261	272
Long Term												
Full Simulation Period[a]	289	262	220	201	202	216	242	262	296	303	296	293
Water Year Types[b,c]												
Wet (32%)	334	302	257	171	200	212	249	251	311	337	342	344
Above Normal (16%)	302	271	239	176	177	209	258	294	336	340	320	303
Below Normal (13%)	290	278	236	240	221	256	256	287	313	304	287	289
Dry (24%)	282	240	193	220	198	206	227	260	279	282	283	280
Critical (15%)	193	189	148	226	222	211	219	229	230	223	205	199

a Based on 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 These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

e These are draft results meant for qualitative analysis and are subject to revision.

Table 4a-4. Lake Oroville Elevation, End of Month Elevation

Current Operations 102818

Statistic	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	799	798	849	849	858	866	887	900	900	867	846	806
20%	766	768	797	847	849	861	884	900	900	862	832	784
30%	752	755	772	823	849	858	882	896	888	853	821	772
40%	734	734	756	779	841	849	878	889	878	838	800	754
50%	726	723	734	763	804	842	857	863	856	812	763	733
60%	712	704	721	736	785	820	839	844	828	771	733	728
70%	701	690	691	723	757	795	810	815	792	733	719	717
80%	684	675	677	699	735	771	785	782	766	732	711	698
90%	648	647	648	678	703	724	736	743	715	683	665	657
Long Term												
Full Simulation Period[a]	720	718	735	764	794	816	836	842	828	789	761	734
Water Year Types[b,c]												
Wet (32%)	780	777	786	835	854	859	884	896	894	864	840	798
Above Normal (16%)	746	742	755	778	827	858	881	892	884	844	806	762
Below Normal (13%)	719	709	722	760	801	824	844	847	835	785	746	729
Dry (24%)	696	699	731	710	745	783	806	808	784	738	719	707
Critical (15%)	602	603	624	686	702	722	725	721	695	654	624	611

PAL 113018

Statistic	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	842	845	849	850	861	867	887	900	900	867	846	844
20%	807	809	829	849	853	863	884	900	900	861	831	812
30%	779	790	808	838	849	859	882	897	886	850	819	792
40%	749	751	783	826	849	852	878	889	878	836	798	768
50%	730	731	754	808	837	849	872	874	862	821	776	735
60%	715	708	732	739	796	837	852	851	838	783	735	730
70%	703	695	694	735	764	809	832	827	795	733	719	712
80%	684	672	682	705	748	777	789	799	770	731	712	699
90%	657	650	651	680	708	730	743	746	722	692	676	672
Long Term												
Full Simulation Period[a]	733	732	748	774	801	821	841	846	831	790	761	745
Water Year Types[b,c]												
Wet (32%)	816	814	820	840	856	859	884	896	893	863	839	828
Above Normal (16%)	759	756	768	794	837	860	883	893	884	845	807	776
Below Normal (13%)	723	713	726	787	818	839	859	862	847	797	752	730
Dry (24%)	698	702	732	722	755	792	815	818	792	741	721	710
Critical (15%)	593	595	616	685	702	724	726	720	688	649	617	605

PAL 113018 minus Current Operations 102818

Statistic	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	43	46	0	1	2	1	0	0	0	0	0	38
20%	41	41	33	1	4	2	0	0	0	0	-1	29
30%	26	34	36	15	0	2	0	0	-2	-3	-2	20
40%	15	16	27	47	8	3	0	0	0	-2	-2	14
50%	4	9	20	45	33	7	15	11	6	9	12	2
60%	3	4	11	4	10	17	12	7	10	12	2	3
70%	2	5	4	11	6	14	21	12	3	0	0	-5
80%	0	-2	4	5	13	6	4	16	5	-1	0	0
90%	9	3	4	2	6	5	7	3	6	9	11	14
Long Term												
Full Simulation Period[a]	13	14	12	10	7	5	5	5	2	1	0	11
Water Year Types[b,c]												
Wet (32%)	36	38	34	6	2	0	0	0	-1	-1	-1	30
Above Normal (16%)	13	14	13	16	10	3	2	2	1	1	1	14
Below Normal (13%)	3	4	4	27	17	15	15	14	12	12	5	1
Dry (24%)	3	3	1	11	11	10	9	11	8	3	2	2
Critical (15%)	-9	-8	-8	-1	-1	1	1	0	-6	-6	-7	-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).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

e These are draft results meant for qualitative analysis and are subject to revision.

Table 4a-5. Lake Oroville Elevation, End of Month Elevation

Current Operations 102818

Statistic	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	799	798	849	849	858	866	887	900	900	867	846	806
20%	766	768	797	847	849	861	884	900	900	862	832	784
30%	752	755	772	823	849	858	882	896	888	853	821	772
40%	734	734	756	779	841	849	878	889	878	838	800	754
50%	726	723	734	763	804	842	857	863	856	812	763	733
60%	712	704	721	736	785	820	839	844	828	771	733	728
70%	701	690	691	723	757	795	810	815	792	733	719	717
80%	684	675	677	699	735	771	785	782	766	732	711	698
90%	648	647	648	678	703	724	736	743	715	683	665	657
Long Term												
Full Simulation Period[a]	720	718	735	764	794	816	836	842	828	789	761	734
Water Year Types[b,c]												
Wet (32%)	780	777	786	835	854	859	884	896	894	864	840	798
Above Normal (16%)	746	742	755	778	827	858	881	892	884	844	806	762
Below Normal (13%)	719	709	722	760	801	824	844	847	835	785	746	729
Dry (24%)	696	699	731	710	745	783	806	808	784	738	719	707
Critical (15%)	602	603	624	686	702	722	725	721	695	654	624	611

PAU 113018

Statistic	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	841	837	849	850	860	867	887	900	900	867	847	843
20%	796	806	829	849	851	863	884	900	899	860	829	814
30%	771	782	798	831	849	859	882	896	882	844	816	792
40%	747	756	779	823	849	852	877	889	868	829	787	754
50%	728	728	755	790	834	849	870	870	847	798	764	737
60%	713	703	727	744	790	837	852	851	830	771	733	722
70%	699	689	694	726	766	807	825	827	786	733	722	712
80%	685	673	677	698	746	768	799	786	758	733	713	702
90%	663	657	656	677	708	727	742	759	731	700	685	680
Long Term												
Full Simulation Period[a]	731	730	746	773	800	820	840	845	825	786	759	744
Water Year Types[b,c]												
Wet (32%)	814	813	817	838	855	859	884	896	890	860	839	828
Above Normal (16%)	751	749	762	790	832	860	883	892	876	834	794	765
Below Normal (13%)	721	711	724	783	815	836	855	855	830	781	744	730
Dry (24%)	698	701	732	721	755	792	814	815	782	739	722	710
Critical (15%)	591	593	619	689	705	727	729	723	693	654	623	611

PAU 113018 minus Current Operations 102818

Statistic	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	42	39	0	1	2	1	0	0	0	0	1	38
20%	30	38	32	1	3	2	0	0	-1	-1	-3	30
30%	19	27	26	8	0	1	0	-1	-7	-8	-4	20
40%	13	22	23	44	8	3	0	0	-10	-9	-13	0
50%	2	5	20	27	31	7	14	7	-8	-15	0	3
60%	0	-1	6	8	5	18	12	6	2	0	0	-5
70%	-2	-1	3	3	8	12	15	12	-6	0	3	-5
80%	1	-2	-1	-1	11	-3	14	4	-8	1	2	4
90%	15	11	9	-1	5	3	6	16	16	16	21	22
Long Term												
Full Simulation Period[a]	11	12	11	9	6	5	5	3	-4	-3	-2	11
Water Year Types[b,c]												
Wet (32%)	34	36	30	4	1	0	0	-1	-4	-4	-1	30
Above Normal (16%)	5	7	7	11	6	2	2	0	-8	-10	-12	3
Below Normal (13%)	2	2	2	23	14	12	11	8	-5	-4	-2	1
Dry (24%)	3	2	1	11	10	9	8	7	-2	1	3	2
Critical (15%)	-10	-10	-5	3	3	4	4	2	-2	-1	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).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

e These are draft results meant for qualitative analysis and are subject to revision.

Figure 4a-1. Lake Oroville, Reservoir Pool Elevation, May
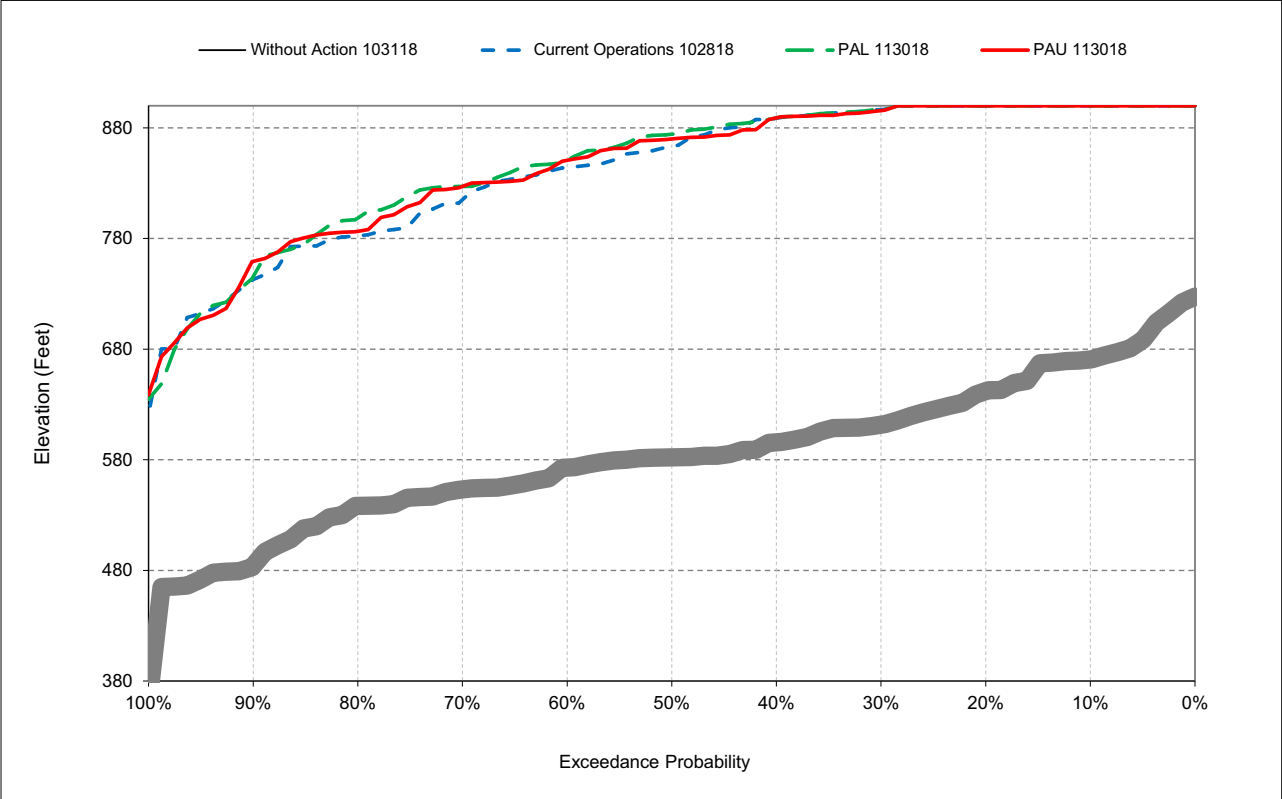
*All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

*These are draft results meant for qualitative analysis and are subject to revision.

Figure 4a-2. Lake Oroville, Reservoir Pool Elevation, September
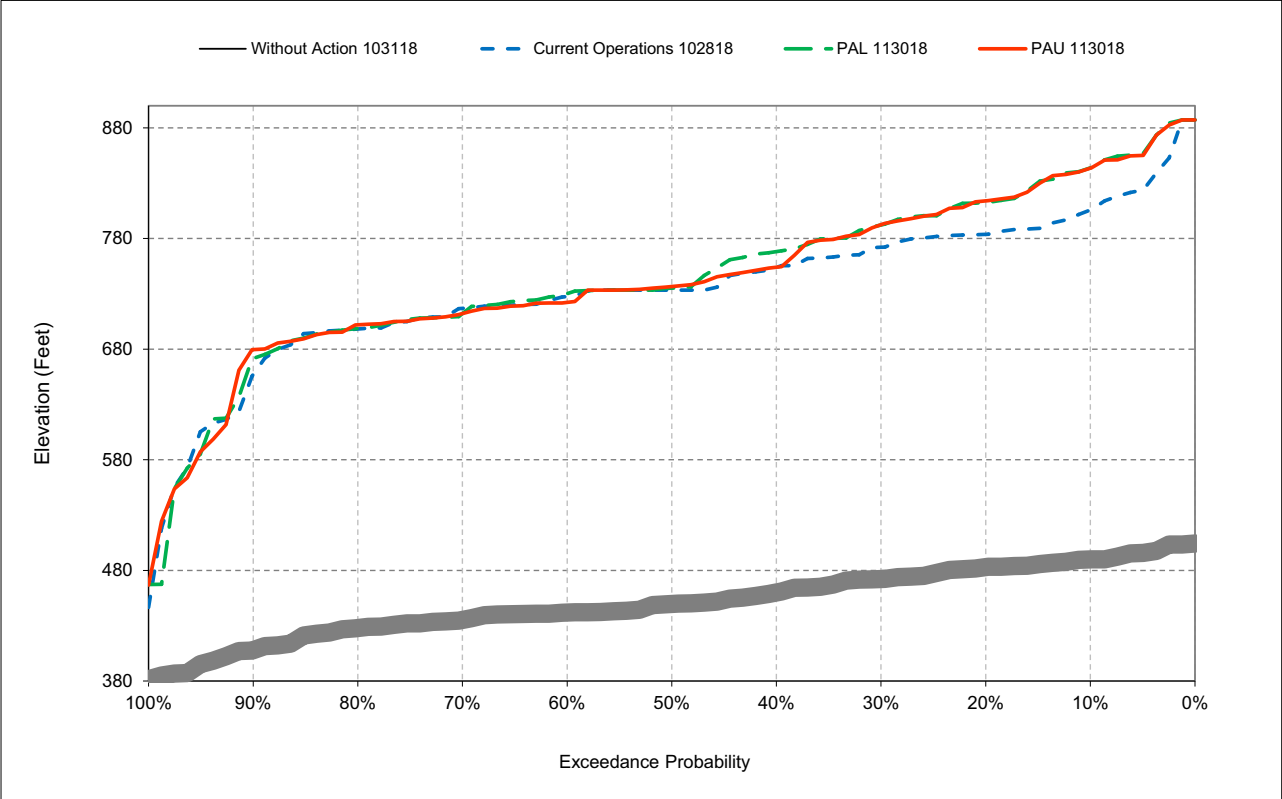
*All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

*These are draft results meant for qualitative analysis and are subject to revision.

Table 5-1. Folsom Lake Storage, End of Month Storage

Without Action **103118**

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	83	83	83	83	83	83	83	83	83	83	83	83
20%	83	83	83	83	83	83	83	83	83	83	83	83
30%	83	83	83	83	83	83	83	83	83	83	83	83
40%	83	83	83	83	83	83	83	83	83	83	83	83
50%	83	83	83	83	83	83	83	83	83	83	83	83
60%	83	83	83	83	83	83	83	83	83	83	83	83
70%	83	83	83	83	83	83	83	83	83	83	83	83
80%	83	83	83	83	83	83	83	83	83	83	83	83
90%	83	83	83	83	83	83	83	83	83	83	83	83
Long Term												
Full Simulation Period[a]	83	83	83	91	90	83	83	83	82	81	81	83
Water Year Types[b,c]												
Wet (32%)	83	83	83	108	104	83	83	83	83	83	83	83
Above Normal (16%)	83	83	83	83	83	83	83	83	83	83	83	83
Below Normal (13%)	83	83	83	83	83	83	83	83	83	83	83	83
Dry (24%)	83	83	83	83	83	83	83	83	83	83	83	83
Critical (15%)	83	83	83	83	83	83	83	83	79	71	73	81

Current Operations 102818

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	592	548	567	567	567	659	792	967	967	914	792	671
20%	533	491	567	564	566	656	792	967	967	847	774	624
30%	493	465	525	557	558	651	792	967	957	760	685	574
40%	453	426	486	527	553	645	792	967	912	669	583	517
50%	409	412	451	484	528	630	792	961	839	603	539	481
60%	367	395	416	438	495	621	784	854	771	526	469	413
70%	332	353	393	412	457	599	732	756	668	455	402	383
80%	283	311	343	369	408	533	607	614	547	408	350	313
90%	257	243	269	292	370	405	462	478	436	357	305	273
Long Term												
Full Simulation Period[a]	414	398	439	458	486	585	708	816	765	607	535	468
Water Year Types[b,c]												
Wet (32%)	499	439	478	517	515	632	785	951	936	796	701	582
Above Normal (16%)	420	415	458	507	527	640	786	945	874	609	543	478
Below Normal (13%)	423	414	449	484	529	615	754	835	773	551	488	454
Dry (24%)	399	413	437	422	476	569	684	754	671	532	471	438
Critical (15%)	243	253	332	313	358	424	456	473	427	375	319	273

Current Operations 102818 minus Without Action **103118**

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	509	465	484	484	484	576	709	884	884	831	709	588
20%	450	408	484	481	483	573	709	884	884	764	691	541
30%	410	382	442	474	475	568	709	884	874	677	602	491
40%	370	343	403	444	470	562	709	884	829	586	500	434
50%	326	329	368	401	445	547	709	878	756	520	456	398
60%	284	312	333	355	412	538	701	771	688	443	386	330
70%	249	270	310	329	374	516	649	673	585	372	319	300
80%	200	228	260	286	325	450	524	531	464	325	267	230
90%	174	160	186	209	287	322	379	395	353	274	222	190
Long Term												
Full Simulation Period[a]	331	315	356	367	397	502	625	733	683	526	454	386
Water Year Types[b,c]												
Wet (32%)	416	356	395	409	411	549	702	868	853	713	618	499
Above Normal (16%)	337	332	375	424	444	557	703	862	791	526	460	395
Below Normal (13%)	340	331	366	401	446	532	671	752	690	468	405	371
Dry (24%)	316	330	354	339	393	486	601	671	588	449	388	355
Critical (15%)	160	170	249	230	275	341	373	390	349	304	246	193

a Based on 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 These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

e These are draft results meant for qualitative analysis and are subject to revision.

Table 5-2. Folsom Lake Storage, End of Month Storage

Without Action **103118**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
End of Month Storage (TAF)												
Probability of Exceedance												
10%	83	83	83	83	83	83	83	83	83	83	83	83
20%	83	83	83	83	83	83	83	83	83	83	83	83
30%	83	83	83	83	83	83	83	83	83	83	83	83
40%	83	83	83	83	83	83	83	83	83	83	83	83
50%	83	83	83	83	83	83	83	83	83	83	83	83
60%	83	83	83	83	83	83	83	83	83	83	83	83
70%	83	83	83	83	83	83	83	83	83	83	83	83
80%	83	83	83	83	83	83	83	83	83	83	83	83
90%	83	83	83	83	83	83	83	83	83	83	83	83
Long Term												
Full Simulation Period[a]	83	83	83	91	90	83	83	83	82	81	81	83
Water Year Types[b,c]												
Wet (32%)	83	83	83	108	104	83	83	83	83	83	83	83
Above Normal (16%)	83	83	83	83	83	83	83	83	83	83	83	83
Below Normal (13%)	83	83	83	83	83	83	83	83	83	83	83	83
Dry (24%)	83	83	83	83	83	83	83	83	83	83	83	83
Critical (15%)	83	83	83	83	83	83	83	83	79	71	73	81

PAL 113018

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
End of Month Storage (TAF)												
Probability of Exceedance												
10%	699	567	567	567	567	661	792	967	967	917	792	752
20%	629	567	567	567	567	657	792	967	967	845	751	689
30%	569	555	567	564	561	654	792	967	945	735	685	627
40%	533	522	546	557	557	648	792	967	902	678	603	565
50%	453	472	516	531	546	639	792	957	836	629	544	511
60%	418	428	473	479	514	626	789	854	759	547	501	465
70%	378	390	417	447	461	613	735	767	671	508	442	415
80%	310	347	365	400	441	571	648	643	566	436	388	381
90%	269	262	296	298	381	427	481	481	440	365	312	295
Long Term												
Full Simulation Period[a]	468	445	466	478	496	594	716	823	768	625	551	515
Water Year Types[b,c]												
Wet (32%)	610	536	530	525	515	632	785	950	932	801	706	666
Above Normal (16%)	472	470	502	538	539	640	786	945	868	642	570	532
Below Normal (13%)	444	429	454	516	539	623	761	840	777	580	503	477
Dry (24%)	420	426	439	444	495	592	701	773	684	557	494	462
Critical (15%)	257	268	346	330	373	438	472	485	435	381	332	291

PAL 113018 minus Without Action **103118**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
End of Month Storage (TAF)												
Probability of Exceedance												
10%	616	484	484	484	484	578	709	884	884	834	709	669
20%	546	484	484	484	484	574	709	884	884	762	668	606
30%	486	472	484	481	478	571	709	884	862	652	602	544
40%	450	439	463	474	474	565	709	884	819	595	520	482
50%	370	389	433	448	463	556	709	874	753	546	461	428
60%	335	345	390	396	431	543	706	771	676	464	418	382
70%	295	307	334	364	378	530	652	684	588	425	359	332
80%	227	264	282	317	358	488	565	560	483	353	305	298
90%	186	179	213	215	298	344	398	398	357	282	229	212
Long Term												
Full Simulation Period[a]	385	362	383	387	407	511	633	740	685	544	469	432
Water Year Types[b,c]												
Wet (32%)	527	453	447	417	411	549	702	867	848	718	623	583
Above Normal (16%)	389	387	419	455	456	557	703	862	785	559	487	449
Below Normal (13%)	361	346	371	433	456	540	678	757	694	497	420	394
Dry (24%)	337	343	356	361	412	509	618	690	601	474	411	379
Critical (15%)	174	185	263	247	290	355	389	402	356	310	259	210

a Based on 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 These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

e These are draft results meant for qualitative analysis and are subject to revision.

Table 5-3. Folsom Lake Storage, End of Month Storage

Without Action **103118**

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	83	83	83	83	83	83	83	83	83	83	83	83
20%	83	83	83	83	83	83	83	83	83	83	83	83
30%	83	83	83	83	83	83	83	83	83	83	83	83
40%	83	83	83	83	83	83	83	83	83	83	83	83
50%	83	83	83	83	83	83	83	83	83	83	83	83
60%	83	83	83	83	83	83	83	83	83	83	83	83
70%	83	83	83	83	83	83	83	83	83	83	83	83
80%	83	83	83	83	83	83	83	83	83	83	83	83
90%	83	83	83	83	83	83	83	83	83	83	83	83
Long Term												
Full Simulation Period[a]	83	83	83	91	90	83	83	83	82	81	81	83
Water Year Types[b,c]												
Wet (32%)	83	83	83	108	104	83	83	83	83	83	83	83
Above Normal (16%)	83	83	83	83	83	83	83	83	83	83	83	83
Below Normal (13%)	83	83	83	83	83	83	83	83	83	83	83	83
Dry (24%)	83	83	83	83	83	83	83	83	83	83	83	83
Critical (15%)	83	83	83	83	83	83	83	83	79	71	73	81

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Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	696	567	567	567	567	661	792	967	967	912	792	749
20%	625	566	567	567	567	656	792	967	967	839	736	674
30%	577	545	565	564	559	652	792	967	911	755	672	622
40%	482	502	529	556	555	646	792	967	865	650	560	525
50%	402	426	507	515	535	637	792	945	785	582	508	456
60%	365	401	459	477	499	623	783	840	723	517	450	413
70%	344	362	394	430	459	611	730	739	637	480	421	387
80%	318	334	355	387	438	552	636	643	563	431	377	365
90%	263	257	288	292	385	435	513	466	429	350	311	296
Long Term												
Full Simulation Period[a]	449	431	459	473	493	592	713	816	746	607	530	493
Water Year Types[b,c]												
Wet (32%)	605	533	530	524	515	632	785	948	915	799	695	654
Above Normal (16%)	422	434	479	535	537	640	786	940	836	588	513	475
Below Normal (13%)	409	407	446	516	541	625	762	829	718	531	457	431
Dry (24%)	401	408	429	432	483	581	691	753	664	541	478	446
Critical (15%)	258	267	344	325	366	441	473	489	445	392	345	298

PAU 113018 minus Without Action **103118**

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	613	484	484	484	484	578	709	884	884	829	709	666
20%	542	483	484	484	484	573	709	884	884	756	653	591
30%	494	462	482	481	476	569	709	884	828	672	589	539
40%	399	419	446	473	472	563	709	884	782	567	477	442
50%	319	343	424	432	452	554	709	862	702	499	425	373
60%	282	318	376	394	416	540	700	757	640	434	367	330
70%	261	279	311	347	376	528	647	656	554	397	338	304
80%	235	251	272	304	355	469	553	560	480	348	294	282
90%	180	174	205	209	302	352	430	383	346	267	228	213
Long Term												
Full Simulation Period[a]	366	348	376	382	403	509	630	733	663	526	449	410
Water Year Types[b,c]												
Wet (32%)	522	450	447	417	411	549	702	865	831	716	612	571
Above Normal (16%)	339	351	396	452	454	557	703	857	753	505	430	392
Below Normal (13%)	326	324	363	433	458	542	679	746	635	448	374	348
Dry (24%)	318	325	346	349	400	498	608	670	581	458	395	363
Critical (15%)	175	184	261	242	283	358	390	406	366	321	273	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).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

e These are draft results meant for qualitative analysis and are subject to revision.

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

Current Operations 102818

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	592	548	567	567	567	659	792	967	967	914	792	671
20%	533	491	567	564	566	656	792	967	967	847	774	624
30%	493	465	525	557	558	651	792	967	957	760	685	574
40%	453	426	486	527	553	645	792	967	912	669	583	517
50%	409	412	451	484	528	630	792	961	839	603	539	481
60%	367	395	416	438	495	621	784	854	771	526	469	413
70%	332	353	393	412	457	599	732	756	668	455	402	383
80%	283	311	343	369	408	533	607	614	547	408	350	313
90%	257	243	269	292	370	405	462	478	436	357	305	273
Long Term												
Full Simulation Period[a]	414	398	439	458	486	585	708	816	765	607	535	468
Water Year Types[b,c]												
Wet (32%)	499	439	478	517	515	632	785	951	936	796	701	582
Above Normal (16%)	420	415	458	507	527	640	786	945	874	609	543	478
Below Normal (13%)	423	414	449	484	529	615	754	835	773	551	488	454
Dry (24%)	399	413	437	422	476	569	684	754	671	532	471	438
Critical (15%)	243	253	332	313	358	424	456	473	427	375	319	273

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Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	699	567	567	567	567	661	792	967	967	917	792	752
20%	629	567	567	567	567	657	792	967	967	845	751	689
30%	569	555	567	564	561	654	792	967	945	735	685	627
40%	533	522	546	557	557	648	792	967	902	678	603	565
50%	453	472	516	531	546	639	792	957	836	629	544	511
60%	418	428	473	479	514	626	789	854	759	547	501	465
70%	378	390	417	447	461	613	735	767	671	508	442	415
80%	310	347	365	400	441	571	648	643	566	436	388	381
90%	269	262	296	298	381	427	481	481	440	365	312	295
Long Term												
Full Simulation Period[a]	468	445	466	478	496	594	716	823	768	625	551	515
Water Year Types[b,c]												
Wet (32%)	610	536	530	525	515	632	785	950	932	801	706	666
Above Normal (16%)	472	470	502	538	539	640	786	945	868	642	570	532
Below Normal (13%)	444	429	454	516	539	623	761	840	777	580	503	477
Dry (24%)	420	426	439	444	495	592	701	773	684	557	494	462
Critical (15%)	257	268	346	330	373	438	472	485	435	381	332	291

PAL 113018 minus Current Operations 102818

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	107	19	0	0	0	2	0	0	0	3	0	80
20%	96	76	0	3	1	1	0	0	0	-1	-23	65
30%	75	90	42	7	3	3	0	0	-12	-24	-1	53
40%	81	95	60	29	4	3	0	0	-11	9	20	47
50%	44	60	65	47	18	9	0	-4	-3	26	5	31
60%	51	33	58	41	19	5	5	0	-12	21	32	52
70%	45	37	24	35	4	14	3	11	3	53	40	32
80%	27	36	22	31	33	39	42	29	19	28	38	68
90%	12	19	27	5	11	22	19	3	3	9	8	22
Long Term												
Full Simulation Period[a]	53	47	27	20	10	9	8	7	3	18	15	46
Water Year Types[b,c]												
Wet (32%)	111	97	53	8	0	0	0	0	-4	6	5	84
Above Normal (16%)	52	55	44	32	12	0	0	0	-6	32	27	54
Below Normal (13%)	21	15	5	32	10	8	7	5	5	29	15	23
Dry (24%)	20	13	2	21	18	22	17	19	13	25	22	24
Critical (15%)	15	15	15	17	14	14	16	12	8	6	13	17

a Based on 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 These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

e These are draft results meant for qualitative analysis and are subject to revision.

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

Current Operations 102818

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
						End of Month Storage (TAF)						
Probability of Exceedance												
10%	592	548	567	567	567	659	792	967	967	914	792	671
20%	533	491	567	564	566	656	792	967	967	847	774	624
30%	493	465	525	557	558	651	792	967	957	760	685	574
40%	453	426	486	527	553	645	792	967	912	669	583	517
50%	409	412	451	484	528	630	792	961	839	603	539	481
60%	367	395	416	438	495	621	784	854	771	526	469	413
70%	332	353	393	412	457	599	732	756	668	455	402	383
80%	283	311	343	369	408	533	607	614	547	408	350	313
90%	257	243	269	292	370	405	462	478	436	357	305	273
Long Term												
Full Simulation Period[a]	414	398	439	458	486	585	708	816	765	607	535	468
Water Year Types[b,c]												
Wet (32%)	499	439	478	517	515	632	785	951	936	796	701	582
Above Normal (16%)	420	415	458	507	527	640	786	945	874	609	543	478
Below Normal (13%)	423	414	449	484	529	615	754	835	773	551	488	454
Dry (24%)	399	413	437	422	476	569	684	754	671	532	471	438
Critical (15%)	243	253	332	313	358	424	456	473	427	375	319	273

PAU 113018

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
						End of Month Storage (TAF)						
Probability of Exceedance												
10%	696	567	567	567	567	661	792	967	967	912	792	749
20%	625	566	567	567	567	656	792	967	967	839	736	674
30%	577	545	565	564	559	652	792	967	911	755	672	622
40%	482	502	529	556	555	646	792	967	865	650	560	525
50%	402	426	507	515	535	637	792	945	785	582	508	456
60%	365	401	459	477	499	623	783	840	723	517	450	413
70%	344	362	394	430	459	611	730	739	637	480	421	387
80%	318	334	355	387	438	552	636	643	563	431	377	365
90%	263	257	288	292	385	435	513	466	429	350	311	296
Long Term												
Full Simulation Period[a]	449	431	459	473	493	592	713	816	746	607	530	493
Water Year Types[b,c]												
Wet (32%)	605	533	530	524	515	632	785	948	915	799	695	654
Above Normal (16%)	422	434	479	535	537	640	786	940	836	588	513	475
Below Normal (13%)	409	407	446	516	541	625	762	829	718	531	457	431
Dry (24%)	401	408	429	432	483	581	691	753	664	541	478	446
Critical (15%)	258	267	344	325	366	441	473	489	445	392	345	298

PAU 113018 minus Current Operations 102818

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
						End of Month Storage (TAF)						
Probability of Exceedance												
10%	104	19	0	0	0	2	0	0	0	-2	0	78
20%	92	75	0	3	1	0	0	0	0	-8	-38	50
30%	83	80	41	7	1	1	0	0	-46	-4	-13	48
40%	29	75	42	29	2	1	0	0	-47	-19	-22	7
50%	-7	13	56	31	7	7	0	-16	-54	-22	-31	-24
60%	-2	6	43	39	4	2	-1	-15	-49	-9	-18	-1
70%	12	9	1	17	1	13	-2	-17	-32	25	19	3
80%	34	23	12	18	31	19	29	29	15	23	27	52
90%	6	14	19	0	14	31	51	-12	-8	-7	7	23
Long Term												
Full Simulation Period[a]	35	33	19	15	6	7	5	-1	-20	0	-5	25
Water Year Types[b,c]												
Wet (32%)	106	94	52	8	0	0	0	-3	-21	3	-6	72
Above Normal (16%)	3	19	22	28	10	0	0	-5	-38	-22	-31	-3
Below Normal (13%)	-14	-7	-3	32	12	10	8	-6	-55	-20	-31	-23
Dry (24%)	1	-5	-8	10	7	12	7	-1	-7	9	7	8
Critical (15%)	16	14	12	12	8	17	17	16	17	17	27	25

a Based on 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 These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

e These are draft results meant for qualitative analysis and are subject to revision.

Figure 5-1. Folsom Lake Storage, End of May Storage

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

*All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

*These are draft results meant for qualitative analysis and are subject to revision.

Figure 5-2. Folsom Lake Storage, End of September Storage

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

*All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

*These are draft results meant for qualitative analysis and are subject to revision.

Table 5a-1. Folsom Lake Elevation, End of Month Elevation

Without Action **103118**

Statistic	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	326	326	326	326	326	326	326	326	326	326	326	326
20%	326	326	326	326	326	326	326	326	326	326	326	326
30%	326	326	326	326	326	326	326	326	326	326	326	326
40%	326	326	326	326	326	326	326	326	326	326	326	326
50%	326	326	326	326	326	326	326	326	326	326	326	326
60%	326	326	326	326	326	326	326	326	326	326	326	326
70%	326	326	326	326	326	326	326	326	326	326	326	326
80%	326	326	326	326	326	326	326	326	326	326	326	326
90%	326	326	326	326	326	326	326	326	326	326	326	326
Long Term												
Full Simulation Period[a]	326	326	326	327	327	326	326	326	325	321	325	326
Water Year Types[b,c]												
Wet (32%)	326	326	326	330	330	326	326	326	326	326	326	326
Above Normal (16%)	326	326	326	326	326	326	326	326	326	326	326	326
Below Normal (13%)	326	326	326	326	326	326	326	326	326	326	326	326
Dry (24%)	326	326	326	326	326	326	326	326	326	326	326	326
Critical (15%)	326	326	326	326	326	326	326	326	322	293	317	324

Current Operations 102818

Statistic	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	427	422	424	424	424	436	449	466	466	461	449	437
20%	420	415	424	424	424	435	449	466	466	454	447	431
30%	415	412	419	423	423	435	449	466	465	446	439	425
40%	410	407	414	419	423	434	449	466	461	437	426	418
50%	405	405	410	414	419	432	449	465	454	429	421	414
60%	399	403	405	408	415	431	448	455	447	419	412	405
70%	393	397	403	405	411	428	443	445	437	410	404	401
80%	385	390	395	399	404	420	429	430	422	405	396	390
90%	380	377	382	387	399	404	411	413	408	397	389	383
Long Term												
Full Simulation Period[a]	402	401	407	410	414	426	439	450	444	427	418	410
Water Year Types[b,c]												
Wet (32%)	415	408	413	418	418	432	448	464	463	449	439	425
Above Normal (16%)	406	405	410	417	419	433	448	464	457	429	421	413
Below Normal (13%)	404	404	408	414	420	430	445	453	446	421	413	409
Dry (24%)	402	404	407	405	413	425	437	444	435	419	411	407
Critical (15%)	371	374	391	388	394	404	407	409	403	395	386	377

Current Operations 102818 minus Without Action **103118**

Statistic	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	102	96	99	99	99	110	123	140	140	135	123	112
20%	94	89	99	98	98	110	123	140	140	129	122	106
30%	89	86	93	97	97	109	123	140	139	120	113	99
40%	84	81	89	94	97	108	123	140	135	111	101	92
50%	79	79	84	88	94	106	123	140	128	103	95	88
60%	73	77	80	83	90	105	122	129	121	93	86	79
70%	67	71	77	79	85	103	117	120	111	85	78	76
80%	59	64	69	74	79	94	104	104	96	79	70	64
90%	54	52	56	61	74	78	85	88	82	71	63	57
Long Term												
Full Simulation Period[a]	77	75	81	83	87	100	113	124	119	106	94	84
Water Year Types[b,c]												
Wet (32%)	89	82	87	88	88	107	123	139	137	123	113	100
Above Normal (16%)	80	79	85	91	94	108	123	138	131	103	95	87
Below Normal (13%)	79	78	82	88	94	105	119	127	121	95	87	83
Dry (24%)	76	78	81	79	87	99	111	118	110	93	86	82
Critical (15%)	45	49	65	63	69	78	82	83	81	102	68	53

a Based on the 82-year simulation period.

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
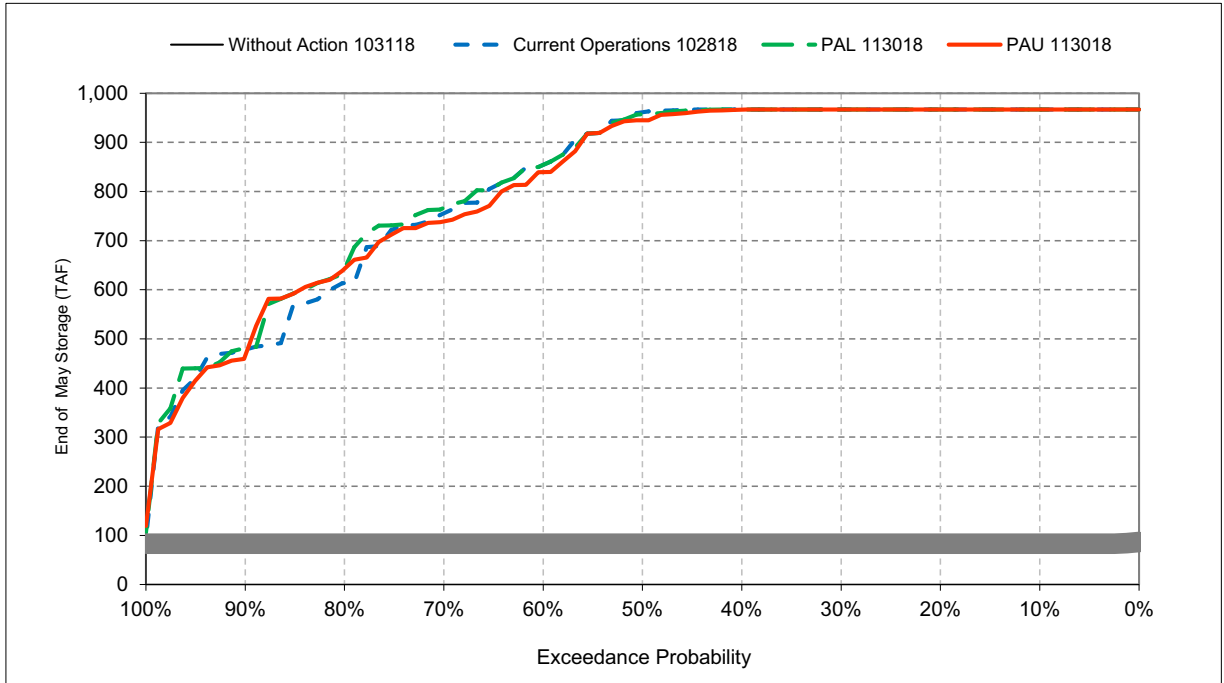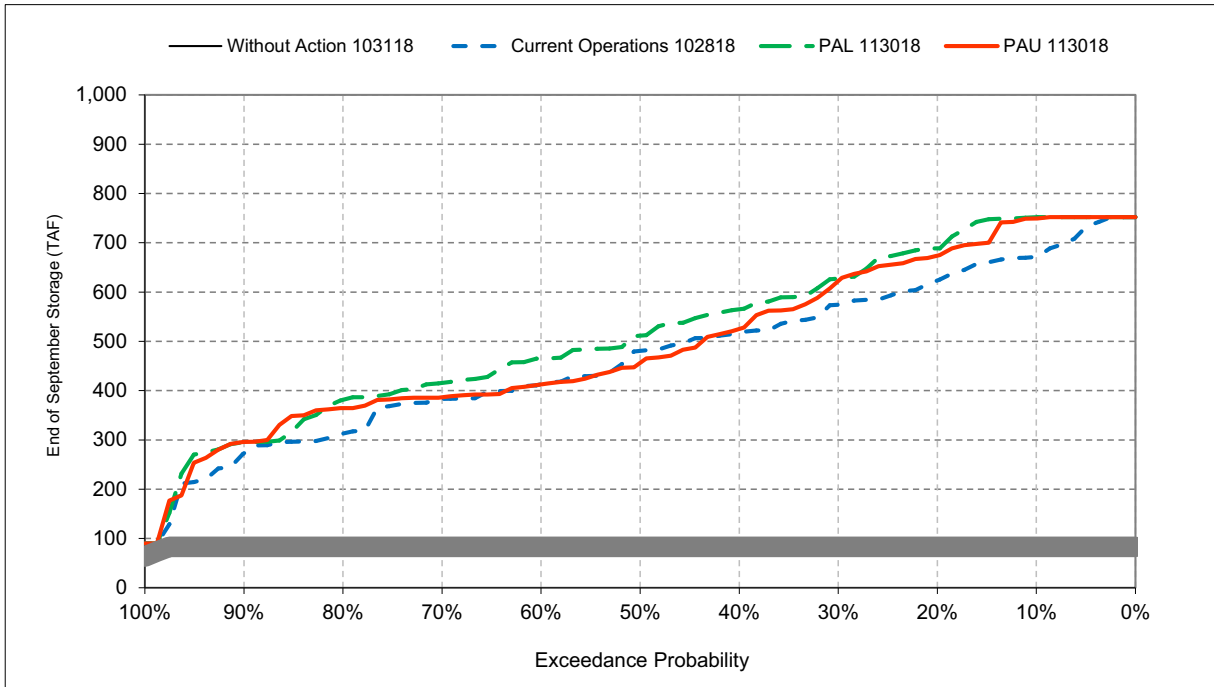
c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

e These are draft results meant for qualitative analysis and are subject to revision.

Table 5a-2. Folsom Lake Elevation, End of Month Elevation

Without Action **103118**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
						End of Month Elevation (FEET)						
Probability of Exceedance												
10%	326	326	326	326	326	326	326	326	326	326	326	326
20%	326	326	326	326	326	326	326	326	326	326	326	326
30%	326	326	326	326	326	326	326	326	326	326	326	326
40%	326	326	326	326	326	326	326	326	326	326	326	326
50%	326	326	326	326	326	326	326	326	326	326	326	326
60%	326	326	326	326	326	326	326	326	326	326	326	326
70%	326	326	326	326	326	326	326	326	326	326	326	326
80%	326	326	326	326	326	326	326	326	326	326	326	326
90%	326	326	326	326	326	326	326	326	326	326	326	326
Long Term												
Full Simulation Period[a]	326	326	326	327	327	326	326	326	325	321	325	326
Water Year Types[b,c]												
Wet (32%)	326	326	326	330	330	326	326	326	326	326	326	326
Above Normal (16%)	326	326	326	326	326	326	326	326	326	326	326	326
Below Normal (13%)	326	326	326	326	326	326	326	326	326	326	326	326
Dry (24%)	326	326	326	326	326	326	326	326	326	326	326	326
Critical (15%)	326	326	326	326	326	326	326	326	322	293	317	324

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Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
						End of Month Elevation (FEET)						
Probability of Exceedance												
10%	440	424	424	424	424	436	449	466	466	461	449	445
20%	432	424	424	424	424	436	449	466	466	454	445	439
30%	425	423	424	424	424	435	449	466	464	444	439	432
40%	420	419	422	423	423	434	449	466	460	438	429	424
50%	410	413	418	420	422	433	449	465	453	432	421	417
60%	406	407	413	413	418	432	449	455	446	422	416	412
70%	401	402	406	409	411	430	443	447	437	417	409	405
80%	390	396	399	404	409	425	434	434	424	408	402	401
90%	382	381	387	387	401	407	414	414	408	399	390	387
Long Term												
Full Simulation Period[a]	410	407	411	412	415	427	440	451	445	429	420	416
Water Year Types[b,c]												
Wet (32%)	429	420	420	419	418	432	448	464	463	449	439	435
Above Normal (16%)	412	412	416	421	421	433	448	464	456	433	425	420
Below Normal (13%)	408	406	408	418	421	431	446	454	447	425	416	412
Dry (24%)	405	406	407	408	415	427	439	446	437	423	415	411
Critical (15%)	374	377	393	391	397	406	410	411	404	396	388	381

PAL 113018 minus Without Action **103118**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
						End of Month Elevation (FEET)						
Probability of Exceedance												
10%	114	99	99	99	99	110	123	140	140	135	123	119
20%	106	99	99	99	99	110	123	140	140	128	119	113
30%	99	97	99	98	98	109	123	140	138	118	113	106
40%	94	93	96	97	97	109	123	140	134	112	103	98
50%	84	87	92	94	96	107	123	139	128	106	96	92
60%	80	81	87	88	92	106	123	129	120	96	90	86
70%	75	77	80	84	85	104	118	121	112	91	83	80
80%	64	70	73	78	83	99	109	108	99	82	76	75
90%	57	55	61	62	75	81	88	88	83	73	64	61
Long Term												
Full Simulation Period[a]	84	82	85	85	88	102	114	125	119	108	96	90
Water Year Types[b,c]												
Wet (32%)	103	95	94	89	88	107	123	139	137	123	114	109
Above Normal (16%)	87	86	90	95	95	108	123	138	131	107	99	94
Below Normal (13%)	82	80	83	92	95	106	120	128	121	99	90	87
Dry (24%)	79	80	81	82	89	102	113	120	111	97	89	85
Critical (15%)	48	51	68	65	71	80	84	85	82	103	71	56

a Based on 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 These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

e These are draft results meant for qualitative analysis and are subject to revision.

Table 5a-3. Folsom Lake Elevation, End of Month Elevation

Without Action **103118**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
End of Month Elevation (FEET)												
Probability of Exceedance												
10%	326	326	326	326	326	326	326	326	326	326	326	326
20%	326	326	326	326	326	326	326	326	326	326	326	326
30%	326	326	326	326	326	326	326	326	326	326	326	326
40%	326	326	326	326	326	326	326	326	326	326	326	326
50%	326	326	326	326	326	326	326	326	326	326	326	326
60%	326	326	326	326	326	326	326	326	326	326	326	326
70%	326	326	326	326	326	326	326	326	326	326	326	326
80%	326	326	326	326	326	326	326	326	326	326	326	326
90%	326	326	326	326	326	326	326	326	326	326	326	326
Long Term												
Full Simulation Period[a]	326	326	326	327	327	326	326	326	325	321	325	326
Water Year Types[b,c]												
Wet (32%)	326	326	326	330	330	326	326	326	326	326	326	326
Above Normal (16%)	326	326	326	326	326	326	326	326	326	326	326	326
Below Normal (13%)	326	326	326	326	326	326	326	326	326	326	326	326
Dry (24%)	326	326	326	326	326	326	326	326	326	326	326	326
Critical (15%)	326	326	326	326	326	326	326	326	322	293	317	324

PAU 113018

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
End of Month Elevation (FEET)												
Probability of Exceedance												
10%	440	424	424	424	424	436	449	466	466	461	449	445
20%	432	424	424	424	424	435	449	466	466	454	444	438
30%	426	422	424	424	423	435	449	466	461	445	437	431
40%	414	416	420	423	423	434	449	466	456	435	424	419
50%	404	407	417	418	420	433	449	464	448	426	417	411
60%	399	404	411	413	416	431	448	454	442	418	410	405
70%	395	398	403	407	411	430	443	444	433	413	406	402
80%	391	394	397	402	408	422	433	434	424	407	401	399
90%	381	380	386	387	402	408	418	412	407	396	390	387
Long Term												
Full Simulation Period[a]	407	405	410	412	414	427	440	450	442	427	418	413
Water Year Types[b,c]												
Wet (32%)	429	420	420	419	418	432	448	464	461	449	438	434
Above Normal (16%)	406	407	413	420	421	433	448	463	453	426	418	413
Below Normal (13%)	403	403	407	418	421	432	446	452	441	418	409	406
Dry (24%)	402	403	406	406	414	426	438	444	435	420	413	409
Critical (15%)	374	377	393	390	396	406	410	411	405	398	390	382

PAU 113018 minus Without Action **103118**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
End of Month Elevation (FEET)												
Probability of Exceedance												
10%	114	99	99	99	99	110	123	140	140	135	123	119
20%	106	98	99	99	99	110	123	140	140	128	118	112
30%	100	96	98	98	98	109	123	140	135	120	111	105
40%	88	90	94	97	97	108	123	140	130	109	98	93
50%	78	81	91	92	95	107	123	138	123	100	91	85
60%	73	78	85	87	90	106	122	128	116	92	84	79
70%	69	72	77	81	85	104	117	118	107	88	80	76
80%	65	68	71	76	83	97	107	108	98	82	75	73
90%	55	54	60	61	76	82	92	86	81	70	64	61
Long Term												
Full Simulation Period[a]	81	80	84	85	87	101	114	124	117	106	93	88
Water Year Types[b,c]												
Wet (32%)	103	94	94	89	88	107	123	138	135	123	113	108
Above Normal (16%)	80	82	87	95	95	108	123	138	128	100	92	87
Below Normal (13%)	77	77	82	92	95	106	120	127	115	93	83	80
Dry (24%)	77	78	80	81	88	100	112	118	109	95	87	83
Critical (15%)	48	51	67	65	70	81	84	85	83	104	73	58

a Based on 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 These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

e These are draft results meant for qualitative analysis and are subject to revision.

Table 5a-4. Folsom Lake Elevation, End of Month Elevation

Current Operations 102818

Statistic	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	427	422	424	424	424	436	449	466	466	461	449	437
20%	420	415	424	424	424	435	449	466	466	454	447	431
30%	415	412	419	423	423	435	449	466	465	446	439	425
40%	410	407	414	419	423	434	449	466	461	437	426	418
50%	405	405	410	414	419	432	449	465	454	429	421	414
60%	399	403	405	408	415	431	448	455	447	419	412	405
70%	393	397	403	405	411	428	443	445	437	410	404	401
80%	385	390	395	399	404	420	429	430	422	405	396	390
90%	380	377	382	387	399	404	411	413	408	397	389	383
Long Term												
Full Simulation Period[a]	402	401	407	410	414	426	439	450	444	427	418	410
Water Year Types[b,c]												
Wet (32%)	415	408	413	418	418	432	448	464	463	449	439	425
Above Normal (16%)	406	405	410	417	419	433	448	464	457	429	421	413
Below Normal (13%)	404	404	408	414	420	430	445	453	446	421	413	409
Dry (24%)	402	404	407	405	413	425	437	444	435	419	411	407
Critical (15%)	371	374	391	388	394	404	407	409	403	395	386	377

PAL 113018

Statistic	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	440	424	424	424	424	436	449	466	466	461	449	445
20%	432	424	424	424	424	436	449	466	466	454	445	439
30%	425	423	424	424	424	435	449	466	464	444	439	432
40%	420	419	422	423	423	434	449	466	460	438	429	424
50%	410	413	418	420	422	433	449	465	453	432	421	417
60%	406	407	413	413	418	432	449	455	446	422	416	412
70%	401	402	406	409	411	430	443	447	437	417	409	405
80%	390	396	399	404	409	425	434	434	424	408	402	401
90%	382	381	387	387	401	407	414	414	408	399	390	387
Long Term												
Full Simulation Period[a]	410	407	411	412	415	427	440	451	445	429	420	416
Water Year Types[b,c]												
Wet (32%)	429	420	420	419	418	432	448	464	463	449	439	435
Above Normal (16%)	412	412	416	421	421	433	448	464	456	433	425	420
Below Normal (13%)	408	406	408	418	421	431	446	454	447	425	416	412
Dry (24%)	405	406	407	408	415	427	439	446	437	423	415	411
Critical (15%)	374	377	393	391	397	406	410	411	404	396	388	381

PAL 113018 minus Current Operations 102818

Statistic	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	13	2	0	0	0	0	0	0	0	0	0	8
20%	12	10	0	0	0	0	0	0	0	0	-2	8
30%	9	11	5	1	0	0	0	0	-1	-2	0	7
40%	10	12	7	4	0	0	0	0	-1	1	3	6
50%	5	7	8	6	2	1	0	0	0	3	1	4
60%	7	4	7	5	2	1	0	0	-1	3	4	6
70%	7	6	3	4	0	2	0	1	0	7	5	4
80%	4	6	4	4	4	5	5	4	2	4	6	11
90%	2	4	5	1	2	3	2	0	0	1	1	4
Long Term												
Full Simulation Period[a]	7	6	4	3	1	1	1	1	0	2	2	6
Water Year Types[b,c]												
Wet (32%)	14	12	7	1	0	0	0	0	0	1	1	10
Above Normal (16%)	7	7	6	4	2	0	0	0	-1	4	3	7
Below Normal (13%)	3	2	1	4	1	1	1	1	1	4	2	3
Dry (24%)	3	2	0	3	2	3	2	2	2	4	3	3
Critical (15%)	3	3	2	3	2	2	2	2	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).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

e These are draft results meant for qualitative analysis and are subject to revision.

Table 5a-5. Folsom Lake Elevation, End of Month Elevation

Current Operations 102818

Statistic	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	427	422	424	424	424	436	449	466	466	461	449	437
20%	420	415	424	424	424	435	449	466	466	454	447	431
30%	415	412	419	423	423	435	449	466	465	446	439	425
40%	410	407	414	419	423	434	449	466	461	437	426	418
50%	405	405	410	414	419	432	449	465	454	429	421	414
60%	399	403	405	408	415	431	448	455	447	419	412	405
70%	393	397	403	405	411	428	443	445	437	410	404	401
80%	385	390	395	399	404	420	429	430	422	405	396	390
90%	380	377	382	387	399	404	411	413	408	397	389	383
Long Term												
Full Simulation Period[a]	402	401	407	410	414	426	439	450	444	427	418	410
Water Year Types[b,c]												
Wet (32%)	415	408	413	418	418	432	448	464	463	449	439	425
Above Normal (16%)	406	405	410	417	419	433	448	464	457	429	421	413
Below Normal (13%)	404	404	408	414	420	430	445	453	446	421	413	409
Dry (24%)	402	404	407	405	413	425	437	444	435	419	411	407
Critical (15%)	371	374	391	388	394	404	407	409	403	395	386	377

PAU 113018

Statistic	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	440	424	424	424	424	436	449	466	466	461	449	445
20%	432	424	424	424	424	435	449	466	466	454	444	438
30%	426	422	424	424	423	435	449	466	461	445	437	431
40%	414	416	420	423	423	434	449	466	456	435	424	419
50%	404	407	417	418	420	433	449	464	448	426	417	411
60%	399	404	411	413	416	431	448	454	442	418	410	405
70%	395	398	403	407	411	430	443	444	433	413	406	402
80%	391	394	397	402	408	422	433	434	424	407	401	399
90%	381	380	386	387	402	408	418	412	407	396	390	387
Long Term												
Full Simulation Period[a]	407	405	410	412	414	427	440	450	442	427	418	413
Water Year Types[b,c]												
Wet (32%)	429	420	420	419	418	432	448	464	461	449	438	434
Above Normal (16%)	406	407	413	420	421	433	448	463	453	426	418	413
Below Normal (13%)	403	403	407	418	421	432	446	452	441	418	409	406
Dry (24%)	402	403	406	406	414	426	438	444	435	420	413	409
Critical (15%)	374	377	393	390	396	406	410	411	405	398	390	382

PAU 113018 minus Current Operations 102818

Statistic	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	12	2	0	0	0	0	0	0	0	0	0	8
20%	11	9	0	0	0	0	0	0	0	-1	-4	6
30%	10	10	5	1	0	0	0	0	-5	0	-1	6
40%	4	9	5	4	0	0	0	0	-5	-2	-3	1
50%	-1	2	7	4	1	1	0	-2	-5	-3	-4	-3
60%	0	1	5	5	1	0	0	-1	-5	-1	-2	0
70%	2	1	0	2	0	2	0	-2	-4	3	2	0
80%	6	4	2	3	4	2	4	4	2	3	4	9
90%	1	3	4	0	2	4	6	-1	-1	-1	1	4
Long Term												
Full Simulation Period[a]	5	4	3	2	1	1	1	0	-2	0	0	3
Water Year Types[b,c]												
Wet (32%)	13	12	7	1	0	0	0	0	-2	0	-1	9
Above Normal (16%)	0	2	3	4	1	0	0	-1	-4	-3	-4	0
Below Normal (13%)	-2	-1	-1	4	1	1	1	-1	-6	-3	-4	-3
Dry (24%)	1	0	-1	1	1	1	1	0	-1	1	1	1
Critical (15%)	3	3	2	2	1	3	3	2	2	2	5	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).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

e These are draft results meant for qualitative analysis and are subject to revision.

Figure 5a-2. Folsom Lake, Reservoir Pool Elevation, May
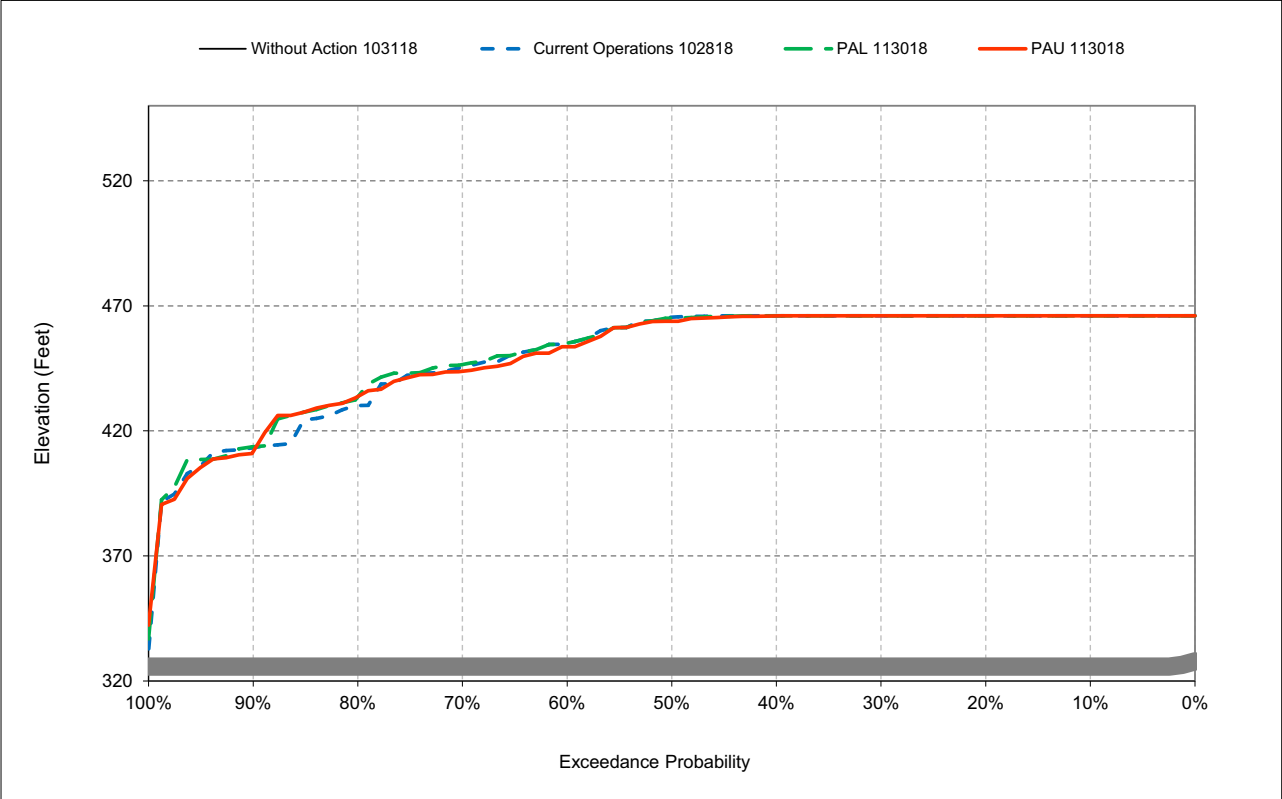
*All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

*These are draft results meant for qualitative analysis and are subject to revision.

Figure 5a-3. Folsom Lake, Reservoir Pool Elevation, September

*All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

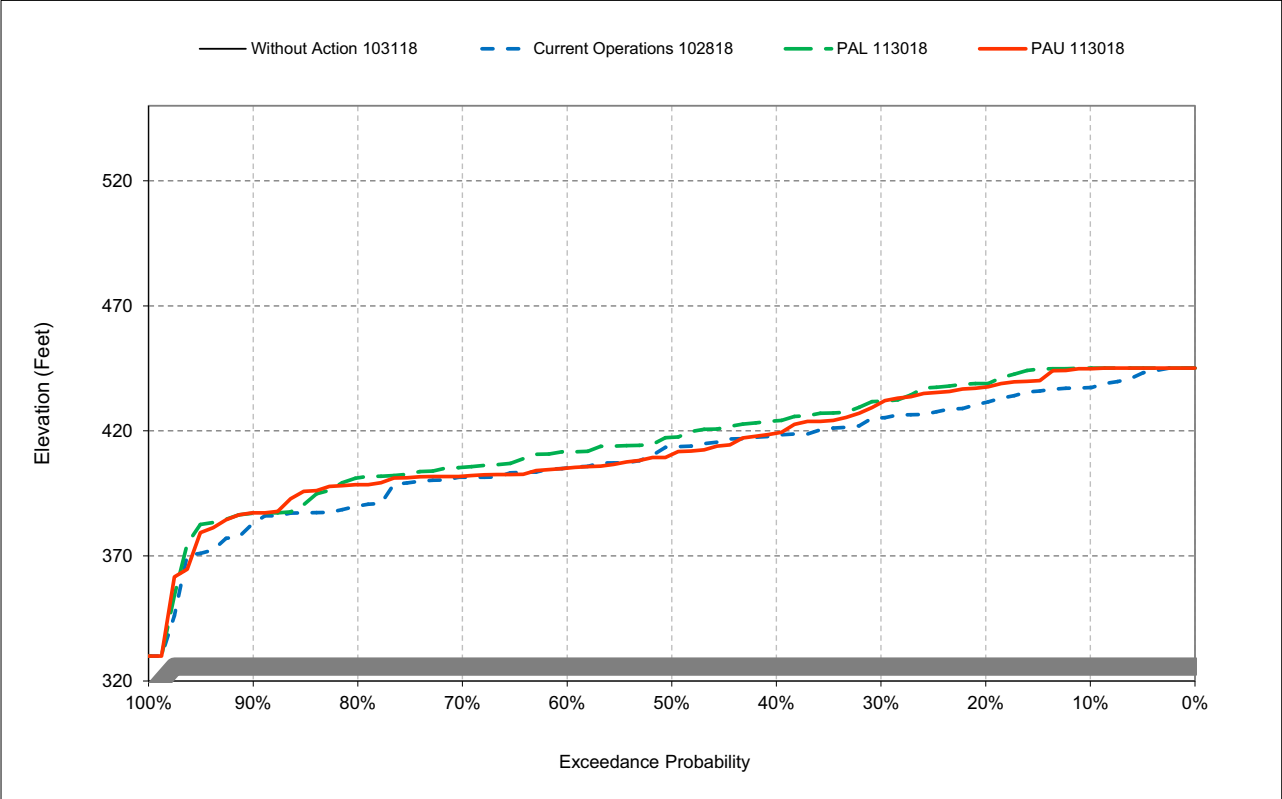*These are draft results meant for qualitative analysis and are subject to revision.

Table 6-1. San Luis Storage (CVP and SWP), End of Month Storage

Without Action **103118**

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b,c]												
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (16%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (13%)	0	0	0	0	0	0	0	0	0	0	0	0
Dry (24%)	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

Current Operations 102818

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	687	874	1,120	1,491	1,847	2,039	1,837	1,479	1,201	869	672	684
20%	509	683	1,027	1,316	1,584	1,896	1,742	1,346	953	707	523	580
30%	458	594	917	1,227	1,486	1,779	1,612	1,251	851	608	414	501
40%	416	539	852	1,141	1,436	1,717	1,501	1,147	745	528	358	439
50%	382	486	792	1,049	1,329	1,544	1,411	1,072	684	452	305	366
60%	335	430	713	976	1,213	1,436	1,306	985	610	396	257	331
70%	243	414	636	906	1,085	1,300	1,157	903	567	343	210	231
80%	215	361	549	842	1,006	1,202	1,092	815	463	278	148	170
90%	183	285	453	751	889	1,073	945	732	400	225	118	145
Long Term												
Full Simulation Period[a]	416	539	793	1,085	1,327	1,543	1,405	1,104	751	529	371	417
Water Year Types[b,c]												
Wet (32%)	573	615	890	1,203	1,516	1,812	1,626	1,272	953	709	583	646
Above Normal (16%)	446	566	859	1,098	1,373	1,615	1,407	1,024	639	396	350	463
Below Normal (13%)	377	527	733	978	1,177	1,390	1,239	917	521	408	291	325
Dry (24%)	295	505	755	1,063	1,261	1,450	1,378	1,128	741	539	256	268
Critical (15%)	281	413	628	952	1,117	1,177	1,122	960	661	378	200	207

Current Operations 102818 minus Without Action **103118**

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	687	874	1,120	1,491	1,847	2,039	1,837	1,479	1,201	869	672	684
20%	509	683	1,027	1,316	1,584	1,896	1,742	1,346	953	707	523	580
30%	458	594	917	1,227	1,486	1,779	1,612	1,251	851	608	414	501
40%	416	539	852	1,141	1,436	1,717	1,501	1,147	745	528	358	439
50%	382	486	792	1,049	1,329	1,544	1,411	1,072	684	452	305	366
60%	335	430	713	976	1,213	1,436	1,306	985	610	396	257	331
70%	243	414	636	906	1,085	1,300	1,157	903	567	343	210	231
80%	215	361	549	842	1,006	1,202	1,092	815	463	278	148	170
90%	183	285	453	751	889	1,073	945	732	400	225	118	145
Long Term												
Full Simulation Period[a]	416	539	793	1,085	1,327	1,543	1,405	1,104	751	529	371	417
Water Year Types[b,c]												
Wet (32%)	573	615	890	1,203	1,516	1,812	1,626	1,272	953	709	583	646
Above Normal (16%)	446	566	859	1,098	1,373	1,615	1,407	1,024	639	396	350	463
Below Normal (13%)	377	527	733	978	1,177	1,390	1,239	917	521	408	291	325
Dry (24%)	295	505	755	1,063	1,261	1,450	1,378	1,128	741	539	256	268
Critical (15%)	281	413	628	952	1,117	1,177	1,122	960	661	378	200	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).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

e These are draft results meant for qualitative analysis and are subject to revision.

Table 6-2. San Luis Storage (CVP and SWP), End of Month Storage

Without Action **103118**

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b,c]												
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (16%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (13%)	0	0	0	0	0	0	0	0	0	0	0	0
Dry (24%)	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

PAL 113018

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,256	2,411	2,590	2,662	2,778	2,891	2,916	2,950	2,979	2,503	2,261	2,212
20%	1,952	2,074	2,193	2,296	2,548	2,663	2,686	2,684	2,555	2,236	1,946	1,904
30%	1,759	1,899	2,105	2,182	2,293	2,400	2,417	2,341	2,207	1,905	1,745	1,764
40%	1,518	1,668	1,927	2,099	2,185	2,223	2,222	2,158	2,024	1,716	1,501	1,502
50%	1,424	1,535	1,764	1,941	2,081	2,112	2,052	1,976	1,827	1,599	1,401	1,393
60%	1,280	1,415	1,615	1,701	1,799	1,865	1,912	1,786	1,616	1,404	1,231	1,219
70%	1,106	1,214	1,444	1,495	1,620	1,668	1,673	1,542	1,396	1,231	1,069	1,080
80%	878	1,048	1,312	1,388	1,429	1,421	1,336	1,267	1,216	1,009	875	870
90%	618	701	826	951	1,074	1,103	1,084	1,075	995	775	580	590
Long Term												
Full Simulation Period[a]	1,423	1,547	1,751	1,856	1,959	2,026	2,018	1,960	1,853	1,593	1,405	1,395
Water Year Types[b,c]												
Wet (32%)	2,049	2,190	2,381	2,269	2,441	2,577	2,649	2,689	2,648	2,320	2,068	2,035
Above Normal (16%)	1,522	1,654	1,839	1,787	1,927	2,036	2,062	2,032	1,905	1,584	1,423	1,427
Below Normal (13%)	1,361	1,471	1,669	2,006	2,078	2,096	2,034	1,906	1,755	1,536	1,346	1,340
Dry (24%)	1,072	1,205	1,458	1,708	1,754	1,782	1,720	1,586	1,438	1,228	1,063	1,062
Critical (15%)	603	682	854	1,144	1,178	1,164	1,082	972	857	690	575	578

PAL 113018 minus Without Action **103118**

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	2,256	2,411	2,590	2,662	2,778	2,891	2,916	2,950	2,979	2,503	2,261	2,212
20%	1,952	2,074	2,193	2,296	2,548	2,663	2,686	2,684	2,555	2,236	1,946	1,904
30%	1,759	1,899	2,105	2,182	2,293	2,400	2,417	2,341	2,207	1,905	1,745	1,764
40%	1,518	1,668	1,927	2,099	2,185	2,223	2,222	2,158	2,024	1,716	1,501	1,502
50%	1,424	1,535	1,764	1,941	2,081	2,112	2,052	1,976	1,827	1,599	1,401	1,393
60%	1,280	1,415	1,615	1,701	1,799	1,865	1,912	1,786	1,616	1,404	1,231	1,219
70%	1,106	1,214	1,444	1,495	1,620	1,668	1,673	1,542	1,396	1,231	1,069	1,080
80%	878	1,048	1,312	1,388	1,429	1,421	1,336	1,267	1,216	1,009	875	870
90%	618	701	826	951	1,074	1,103	1,084	1,075	995	775	580	590
Long Term												
Full Simulation Period[a]	1,423	1,547	1,751	1,856	1,959	2,026	2,018	1,960	1,853	1,593	1,405	1,395
Water Year Types[b,c]												
Wet (32%)	2,049	2,190	2,381	2,269	2,441	2,577	2,649	2,689	2,648	2,320	2,068	2,035
Above Normal (16%)	1,522	1,654	1,839	1,787	1,927	2,036	2,062	2,032	1,905	1,584	1,423	1,427
Below Normal (13%)	1,361	1,471	1,669	2,006	2,078	2,096	2,034	1,906	1,755	1,536	1,346	1,340
Dry (24%)	1,072	1,205	1,458	1,708	1,754	1,782	1,720	1,586	1,438	1,228	1,063	1,062
Critical (15%)	603	682	854	1,144	1,178	1,164	1,082	972	857	690	575	578

a Based on 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 These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

e These are draft results meant for qualitative analysis and are subject to revision.

Table 6-3. San Luis Storage (CVP and SWP), End of Month Storage

Without Action **103118**

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b,c]												
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (16%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (13%)	0	0	0	0	0	0	0	0	0	0	0	0
Dry (24%)	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

PAU 113018

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,114	1,271	1,480	1,820	2,039	2,039	2,039	1,982	1,671	1,265	988	1,002
20%	845	1,035	1,220	1,609	1,875	2,039	2,039	1,876	1,523	1,120	759	786
30%	700	815	1,018	1,340	1,646	1,952	1,966	1,784	1,402	993	683	698
40%	493	591	846	1,160	1,562	1,828	1,891	1,674	871	580	494
50%	395	488	683	1,031	1,448	1,703	1,703	1,504	1,147	794	439	387
60%	307	454	616	967	1,290	1,596	1,595	1,419	1,063	674	344	322
70%	239	414	577	901	1,185	1,497	1,529	1,253	932	588	277	239
80%	207	335	510	825	1,099	1,336	1,394	1,221	862	507	183	191
90%	183	270	386	754	1,019	1,193	1,188	1,041	751	407	144	148
Long Term												
Full Simulation Period[a]	530	665	848	1,169	1,456	1,670	1,685	1,525	1,190	823	522	512
Water Year Types[b,c]												
Wet (32%)	877	1,023	1,211	1,363	1,646	1,846	1,893	1,778	1,455	1,103	824	840
Above Normal (16%)	480	569	693	1,147	1,456	1,669	1,686	1,469	1,045	674	468	482
Below Normal (13%)	390	479	620	1,242	1,490	1,698	1,670	1,424	1,059	751	458	417
Dry (24%)	339	518	745	1,041	1,344	1,635	1,642	1,490	1,182	770	364	324
Critical (15%)	280	408	610	920	1,198	1,323	1,318	1,187	906	530	249	235

PAU 113018 minus Without Action **103118**

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,114	1,271	1,480	1,820	2,039	2,039	2,039	1,982	1,671	1,265	988	1,002
20%	845	1,035	1,220	1,609	1,875	2,039	2,039	1,876	1,523	1,120	759	786
30%	700	815	1,018	1,340	1,646	1,952	1,966	1,784	1,402	993	683	698
40%	493	591	846	1,160	1,562	1,828	1,891	1,674	1,279	871	580	494
50%	395	488	683	1,031	1,448	1,703	1,703	1,504	1,147	794	439	387
60%	307	454	616	967	1,290	1,596	1,595	1,419	1,063	674	344	322
70%	239	414	577	901	1,185	1,497	1,529	1,253	932	588	277	239
80%	207	335	510	825	1,099	1,336	1,394	1,221	862	507	183	191
90%	183	270	386	754	1,019	1,193	1,188	1,041	751	407	144	148
Long Term												
Full Simulation Period[a]	530	665	848	1,169	1,456	1,670	1,685	1,525	1,190	823	522	512
Water Year Types[b,c]												
Wet (32%)	877	1,023	1,211	1,363	1,646	1,846	1,893	1,778	1,455	1,103	824	840
Above Normal (16%)	480	569	693	1,147	1,456	1,669	1,686	1,469	1,045	674	468	482
Below Normal (13%)	390	479	620	1,242	1,490	1,698	1,670	1,424	1,059	751	458	417
Dry (24%)	339	518	745	1,041	1,344	1,635	1,642	1,490	1,182	770	364	324
Critical (15%)	280	408	610	920	1,198	1,323	1,318	1,187	906	530	249	235

a Based on 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 These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

e These are draft results meant for qualitative analysis and are subject to revision.

Table 6-4. San Luis Storage (CVP and SWP), End of Month Storage

Current Operations 102818

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
					End of Month Storage (TAF)							
Probability of Exceedance												
10%	687	874	1,120	1,491	1,847	2,039	1,837	1,479	1,201	869	672	684
20%	509	683	1,027	1,316	1,584	1,896	1,742	1,346	953	707	523	580
30%	458	594	917	1,227	1,486	1,779	1,612	1,251	851	608	414	501
40%	416	539	852	1,141	1,436	1,717	1,501	1,147	745	528	358	439
50%	382	486	792	1,049	1,329	1,544	1,411	1,072	684	452	305	366
60%	335	430	713	976	1,213	1,436	1,306	985	610	396	257	331
70%	243	414	636	906	1,085	1,300	1,157	903	567	343	210	231
80%	215	361	549	842	1,006	1,202	1,092	815	463	278	148	170
90%	183	285	453	751	889	1,073	945	732	400	225	118	145
Long Term												
Full Simulation Period[a]	416	539	793	1,085	1,327	1,543	1,405	1,104	751	529	371	417
Water Year Types[b,c]												
Wet (32%)	573	615	890	1,203	1,516	1,812	1,626	1,272	953	709	583	646
Above Normal (16%)	446	566	859	1,098	1,373	1,615	1,407	1,024	639	396	350	463
Below Normal (13%)	377	527	733	978	1,177	1,390	1,239	917	521	408	291	325
Dry (24%)	295	505	755	1,063	1,261	1,450	1,378	1,128	741	539	256	268
Critical (15%)	281	413	628	952	1,117	1,177	1,122	960	661	378	200	207

PAL 113018

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
					End of Month Storage (TAF)							
Probability of Exceedance												
10%	2,256	2,411	2,590	2,662	2,778	2,891	2,916	2,950	2,979	2,503	2,261	2,212
20%	1,952	2,074	2,193	2,296	2,548	2,663	2,686	2,684	2,555	2,236	1,946	1,904
30%	1,759	1,899	2,105	2,182	2,293	2,400	2,417	2,341	2,207	1,905	1,745	1,764
40%	1,518	1,668	1,927	2,099	2,185	2,223	2,222	2,158	2,024	1,716	1,501	1,502
50%	1,424	1,535	1,764	1,941	2,081	2,112	2,052	1,976	1,827	1,599	1,401	1,393
60%	1,280	1,415	1,615	1,701	1,799	1,865	1,912	1,786	1,616	1,404	1,231	1,219
70%	1,106	1,214	1,444	1,495	1,620	1,668	1,673	1,542	1,396	1,231	1,069	1,080
80%	878	1,048	1,312	1,388	1,429	1,421	1,336	1,267	1,216	1,009	875	870
90%	618	701	826	951	1,074	1,103	1,084	1,075	995	775	580	590
Long Term												
Full Simulation Period[a]	1,423	1,547	1,751	1,856	1,959	2,026	2,018	1,960	1,853	1,593	1,405	1,395
Water Year Types[b,c]												
Wet (32%)	2,049	2,190	2,381	2,269	2,441	2,577	2,649	2,689	2,648	2,320	2,068	2,035
Above Normal (16%)	1,522	1,654	1,839	1,787	1,927	2,036	2,062	2,032	1,905	1,584	1,423	1,427
Below Normal (13%)	1,361	1,471	1,669	2,006	2,078	2,096	2,034	1,906	1,755	1,536	1,346	1,340
Dry (24%)	1,072	1,205	1,458	1,708	1,754	1,782	1,720	1,586	1,438	1,228	1,063	1,062
Critical (15%)	603	682	854	1,144	1,178	1,164	1,082	972	857	690	575	578

PAL 113018 minus Current Operations 102818

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
					End of Month Storage (TAF)							
Probability of Exceedance												
10%	1,569	1,538	1,470	1,170	931	852	1,078	1,471	1,778	1,634	1,589	1,528
20%	1,443	1,392	1,166	979	963	767	944	1,337	1,602	1,529	1,423	1,324
30%	1,301	1,305	1,187	956	807	622	805	1,091	1,356	1,296	1,331	1,263
40%	1,102	1,129	1,075	959	749	506	720	1,011	1,279	1,188	1,143	1,063
50%	1,042	1,049	973	892	752	568	640	903	1,144	1,147	1,096	1,027
60%	945	985	902	725	586	430	606	801	1,005	1,008	974	888
70%	862	800	808	590	535	368	516	639	829	888	859	849
80%	662	687	763	546	423	219	243	452	753	731	728	700
90%	434	416	374	201	185	31	139	343	596	551	462	445
Long Term												
Full Simulation Period[a]	1,007	1,008	958	771	631	483	613	855	1,102	1,064	1,034	977
Water Year Types[b,c]												
Wet (32%)	1,476	1,575	1,492	1,066	925	765	1,023	1,417	1,695	1,611	1,485	1,389
Above Normal (16%)	1,076	1,088	980	689	554	421	655	1,008	1,265	1,188	1,073	964
Below Normal (13%)	984	943	936	1,028	901	707	795	989	1,234	1,128	1,056	1,015
Dry (24%)	777	699	703	646	493	331	342	458	698	689	807	794
Critical (15%)	322	270	226	192	60	**-12**	**-40**	13	195	312	375	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).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

e These are draft results meant for qualitative analysis and are subject to revision.

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

Current Operations 102818

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	687	874	1,120	1,491	1,847	2,039	1,837	1,479	1,201	869	672	684
20%	509	683	1,027	1,316	1,584	1,896	1,742	1,346	953	707	523	580
30%	458	594	917	1,227	1,486	1,779	1,612	1,251	851	608	414	501
40%	416	539	852	1,141	1,436	1,717	1,501	1,147	745	528	358	439
50%	382	486	792	1,049	1,329	1,544	1,411	1,072	684	452	305	366
60%	335	430	713	976	1,213	1,436	1,306	985	610	396	257	331
70%	243	414	636	906	1,085	1,300	1,157	903	567	343	210	231
80%	215	361	549	842	1,006	1,202	1,092	815	463	278	148	170
90%	183	285	453	751	889	1,073	945	732	400	225	118	145
Long Term												
Full Simulation Period[a]	416	539	793	1,085	1,327	1,543	1,405	1,104	751	529	371	417
Water Year Types[b,c]												
Wet (32%)	573	615	890	1,203	1,516	1,812	1,626	1,272	953	709	583	646
Above Normal (16%)	446	566	859	1,098	1,373	1,615	1,407	1,024	639	396	350	463
Below Normal (13%)	377	527	733	978	1,177	1,390	1,239	917	521	408	291	325
Dry (24%)	295	505	755	1,063	1,261	1,450	1,378	1,128	741	539	256	268
Critical (15%)	281	413	628	952	1,117	1,177	1,122	960	661	378	200	207

PAU 113018

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,114	1,271	1,480	1,820	2,039	2,039	2,039	1,982	1,671	1,265	988	1,002
20%	845	1,035	1,220	1,609	1,875	2,039	2,039	1,876	1,523	1,120	759	786
30%	700	815	1,018	1,340	1,646	1,952	1,966	1,784	1,402	993	683	698
40%	493	591	846	1,160	1,562	1,828	1,891	1,674	1,279	871	580	494
50%	395	488	683	1,031	1,448	1,703	1,703	1,504	1,147	794	439	387
60%	307	454	616	967	1,290	1,596	1,595	1,419	1,063	674	344	322
70%	239	414	577	901	1,185	1,497	1,529	1,253	932	588	277	239
80%	207	335	510	825	1,099	1,336	1,394	1,221	862	507	183	191
90%	183	270	386	754	1,019	1,193	1,188	1,041	751	407	144	148
Long Term												
Full Simulation Period[a]	530	665	848	1,169	1,456	1,670	1,685	1,525	1,190	823	522	512
Water Year Types[b,c]												
Wet (32%)	877	1,023	1,211	1,363	1,646	1,846	1,893	1,778	1,455	1,103	824	840
Above Normal (16%)	480	569	693	1,147	1,456	1,669	1,686	1,469	1,045	674	468	482
Below Normal (13%)	390	479	620	1,242	1,490	1,698	1,670	1,424	1,059	751	458	417
Dry (24%)	339	518	745	1,041	1,344	1,635	1,642	1,490	1,182	770	364	324
Critical (15%)	280	408	610	920	1,198	1,323	1,318	1,187	906	530	249	235

PAU 113018 minus Current Operations 102818

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	427	397	360	329	192	0	202	504	470	396	315	317
20%	336	352	193	293	291	143	297	529	570	413	236	206
30%	242	221	100	113	160	173	354	534	551	385	269	197
40%	78	52	**-6**	19	126	111	390	527	535	344	222	55
50%	12	2	**-108**	**-17**	119	159	291	432	463	342	134	21
60%	**-28**	24	**-97**	**-9**	76	160	290	434	452	278	88	**-9**
70%	**-4**	0	**-59**	**-4**	100	197	372	351	365	245	67	8
80%	**-9**	**-26**	**-38**	**-17**	93	134	302	406	399	229	36	21
90%	**-1**	**-15**	**-67**	3	130	120	243	309	352	183	26	3
Long Term												
Full Simulation Period[a]	114	126	55	84	129	127	280	421	439	293	151	95
Water Year Types[b,c]												
Wet (32%)	304	408	321	160	130	34	267	506	502	394	241	194
Above Normal (16%)	34	2	**-167**	49	84	54	279	445	406	277	118	19
Below Normal (13%)	14	**-49**	**-113**	264	313	308	430	507	538	343	167	92
Dry (24%)	44	13	**-11**	**-22**	83	184	264	362	441	231	108	56
Critical (15%)	**0**	**-4**	**-18**	**-31**	81	146	196	227	244	152	49	28

a Based on 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 These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

e These are draft results meant for qualitative analysis and are subject to revision.

Figure 6-1. San Luis Storage (CVP and SWP), End of May Storage

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

*All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

*These are draft results meant for qualitative analysis and are subject to revision.

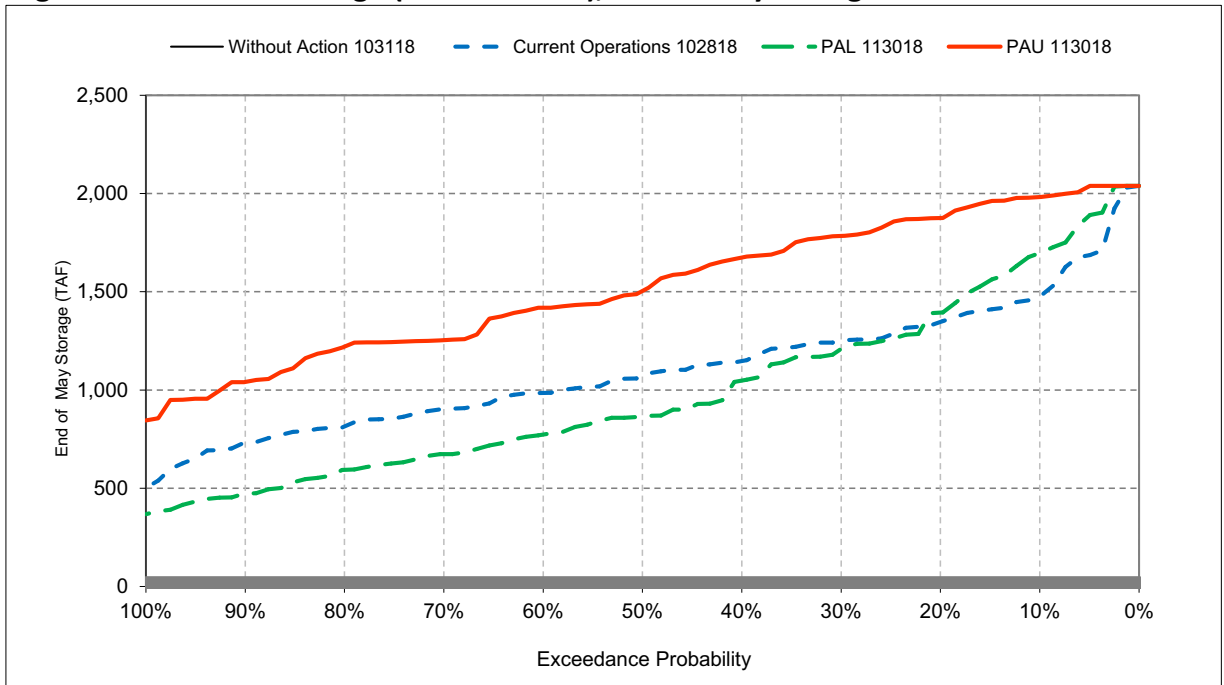**Figure 6-2. San Luis Storage (CVP and SWP), End of September Storage**

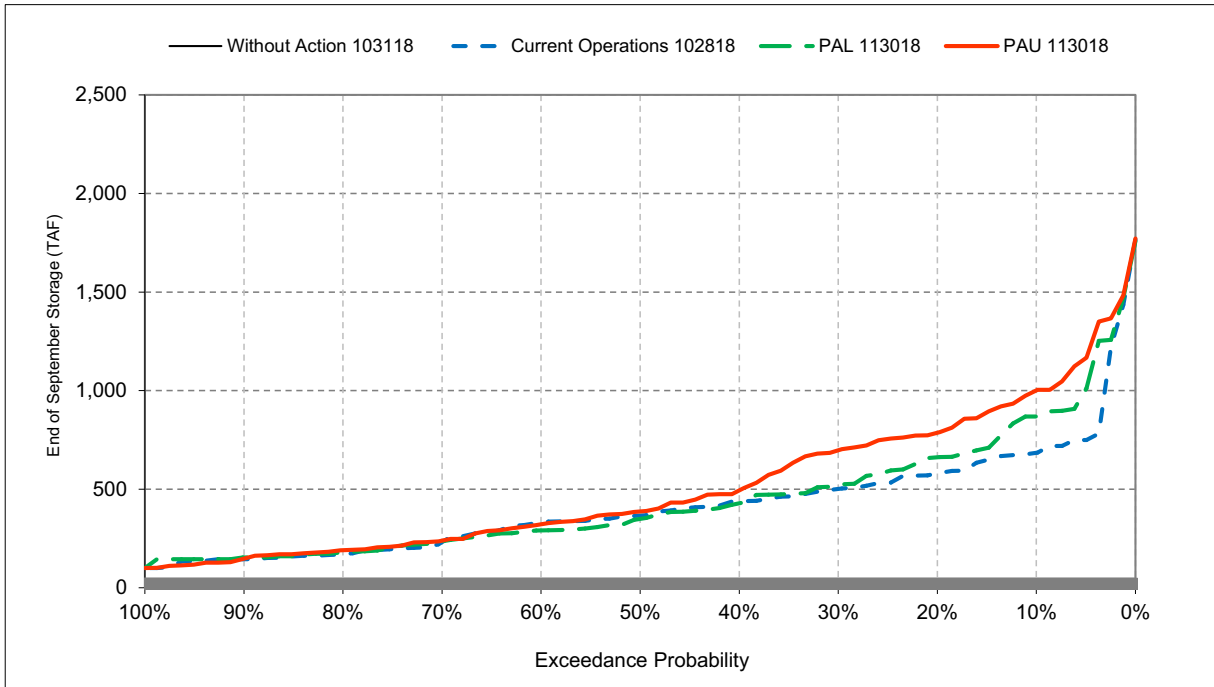

*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

*These are draft results meant for qualitative analysis and are subject to revision.

Table 6a-1. San Luis Reservoir (SWP and CVP), End of Month Elevation

Without Action **103118**

Statistic	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b,c]												
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (16%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (13%)	0	0	0	0	0	0	0	0	0	0	0	0
Dry (24%)	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

Current Operations 102818

Statistic	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	423	437	476	506	534	544	536	519	499	445	409	419
20%	393	429	469	500	529	544	529	509	477	422	383	392
30%	386	429	466	495	524	544	525	488	453	401	361	374
40%	381	422	463	491	514	533	520	481	440	397	353	368
50%	379	417	456	488	504	524	510	477	429	391	349	360
60%	376	406	450	482	496	518	503	469	423	384	342	356
70%	374	400	441	472	489	506	493	462	416	371	335	350
80%	370	389	430	460	478	495	484	454	405	364	330	348
90%	356	377	404	446	460	467	457	438	396	340	329	344
Long Term												
Full Simulation Period[a]	385	414	450	481	501	517	505	477	439	393	360	372
Water Year Types[b,c]												
Wet (32%)	399	428	466	492	517	535	525	498	468	414	377	386
Above Normal (16%)	379	412	456	479	504	525	509	473	438	372	347	365
Below Normal (13%)	378	407	440	475	493	512	497	464	419	383	347	365
Dry (24%)	379	407	443	479	495	512	502	475	430	397	358	368
Critical (15%)	379	401	432	468	481	482	472	452	414	376	353	361

Current Operations 102818 minus Without Action **103118**

Statistic	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	423	437	476	506	534	544	536	519	499	445	409	419
20%	393	429	469	500	529	544	529	509	477	422	383	392
30%	386	429	466	495	524	544	525	488	453	401	361	374
40%	381	422	463	491	514	533	520	481	440	397	353	368
50%	379	417	456	488	504	524	510	477	429	391	349	360
60%	376	406	450	482	496	518	503	469	423	384	342	356
70%	374	400	441	472	489	506	493	462	416	371	335	350
80%	370	389	430	460	478	495	484	454	405	364	330	348
90%	356	377	404	446	460	467	457	438	396	340	329	344
Long Term												
Full Simulation Period[a]	385	414	450	481	501	517	505	477	439	393	360	372
Water Year Types[b,c]												
Wet (32%)	399	428	466	492	517	535	525	498	468	414	377	386
Above Normal (16%)	379	412	456	479	504	525	509	473	438	372	347	365
Below Normal (13%)	378	407	440	475	493	512	497	464	419	383	347	365
Dry (24%)	379	407	443	479	495	512	502	475	430	397	358	368
Critical (15%)	379	401	432	468	481	482	472	452	414	376	353	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).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

e These are draft results meant for qualitative analysis and are subject to revision.

Table 6a-2. San Luis Reservoir (SWP and CVP), End of Month Elevation

Without Action **103118**

Statistic	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b,c]												
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (16%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (13%)	0	0	0	0	0	0	0	0	0	0	0	0
Dry (24%)	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

PAL 113018

Statistic	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	448	479	512	517	544	544	544	536	518	460	427	435
20%	417	444	483	501	516	532	533	521	478	423	390	394
30%	398	429	470	488	498	507	523	496	455	403	361	380
40%	386	428	461	471	483	497	496	477	441	383	349	371
50%	381	412	455	464	471	477	475	449	419	375	341	360
60%	378	406	448	454	463	466	461	435	406	369	337	354
70%	371	395	441	447	451	453	448	426	400	365	333	348
80%	358	390	435	438	443	445	440	414	393	358	329	348
90%	353	381	416	423	429	431	428	405	381	334	329	346
Long Term												
Full Simulation Period[a]	391	421	458	468	477	483	482	462	434	389	360	374
Water Year Types[b,c]												
Wet (32%)	414	446	481	488	505	517	523	509	477	423	387	400
Above Normal (16%)	390	422	457	455	468	478	481	461	432	367	348	368
Below Normal (13%)	378	408	448	467	473	474	469	444	412	378	345	359
Dry (24%)	377	407	447	462	465	466	460	435	409	377	347	363
Critical (15%)	375	401	437	447	451	450	443	426	403	372	350	360

PAL 113018 minus Without Action **103118**

Statistic	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	448	479	512	517	544	544	544	536	518	460	427	435
20%	417	444	483	501	516	532	533	521	478	423	390	394
30%	398	429	470	488	498	507	523	496	455	403	361	380
40%	386	428	461	471	483	497	496	477	441	383	349	371
50%	381	412	455	464	471	477	475	449	419	375	341	360
60%	378	406	448	454	463	466	461	435	406	369	337	354
70%	371	395	441	447	451	453	448	426	400	365	333	348
80%	358	390	435	438	443	445	440	414	393	358	329	348
90%	353	381	416	423	429	431	428	405	381	334	329	346
Long Term												
Full Simulation Period[a]	391	421	458	468	477	483	482	462	434	389	360	374
Water Year Types[b,c]												
Wet (32%)	414	446	481	488	505	517	523	509	477	423	387	400
Above Normal (16%)	390	422	457	455	468	478	481	461	432	367	348	368
Below Normal (13%)	378	408	448	467	473	474	469	444	412	378	345	359
Dry (24%)	377	407	447	462	465	466	460	435	409	377	347	363
Critical (15%)	375	401	437	447	451	450	443	426	403	372	350	360

a Based on 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 These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

e These are draft results meant for qualitative analysis and are subject to revision.

Table 6a-3. San Luis Reservoir (SWP and CVP), End of Month Elevation

Without Action **103118**

Statistic	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b,c]												
Wet (32%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (16%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (13%)	0	0	0	0	0	0	0	0	0	0	0	0
Dry (24%)	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

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Statistic	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	455	487	520	544	544	544	544	544	527	462	437	441
20%	423	447	483	511	537	544	544	541	508	445	401	405
30%	410	431	466	500	530	544	544	534	495	436	389	394
40%	396	425	455	491	521	543	544	526	486	423	378	387
50%	388	412	446	481	511	533	538	519	480	418	372	380
60%	380	402	436	474	497	526	524	510	473	411	363	373
70%	372	390	430	465	491	512	514	500	463	404	357	362
80%	364	383	419	458	484	505	496	484	452	394	348	355
90%	350	377	404	434	474	494	487	471	440	381	335	342
Long Term												
Full Simulation Period[a]	396	420	452	484	507	524	524	513	479	422	379	386
Water Year Types[b,c]												
Wet (32%)	420	450	481	500	523	536	541	534	504	447	402	409
Above Normal (16%)	391	411	442	472	499	523	527	516	481	408	365	375
Below Normal (13%)	387	406	434	494	511	528	524	508	471	415	370	380
Dry (24%)	385	409	445	476	501	523	518	504	469	414	372	378
Critical (15%)	373	397	426	465	491	502	493	479	448	403	362	365

PAU 113018 minus Without Action **103118**

Statistic	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	455	487	520	544	544	544	544	544	527	462	437	441
20%	423	447	483	511	537	544	544	541	508	445	401	405
30%	410	431	466	500	530	544	544	534	495	436	389	394
40%	396	425	455	491	521	543	544	526	486	423	378	387
50%	388	412	446	481	511	533	538	519	480	418	372	380
60%	380	402	436	474	497	526	524	510	473	411	363	373
70%	372	390	430	465	491	512	514	500	463	404	357	362
80%	364	383	419	458	484	505	496	484	452	394	348	355
90%	350	377	404	434	474	494	487	471	440	381	335	342
Long Term												
Full Simulation Period[a]	396	420	452	484	507	524	524	513	479	422	379	386
Water Year Types[b,c]												
Wet (32%)	420	450	481	500	523	536	541	534	504	447	402	409
Above Normal (16%)	391	411	442	472	499	523	527	516	481	408	365	375
Below Normal (13%)	387	406	434	494	511	528	524	508	471	415	370	380
Dry (24%)	385	409	445	476	501	523	518	504	469	414	372	378
Critical (15%)	373	397	426	465	491	502	493	479	448	403	362	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).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

e These are draft results meant for qualitative analysis and are subject to revision.

Table 6a-4. San Luis Reservoir (SWP and CVP), End of Month Elevation

Current Operations 102818

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	423	437	476	506	534	544	536	519	499	445	409	419
20%	393	429	469	500	529	544	529	509	477	422	383	392
30%	386	429	466	495	524	544	525	488	453	401	361	374
40%	381	422	463	491	514	533	520	481	440	397	353	368
50%	379	417	456	488	504	524	510	477	429	391	349	360
60%	376	406	450	482	496	518	503	469	423	384	342	356
70%	374	400	441	472	489	506	493	462	416	371	335	350
80%	370	389	430	460	478	495	484	454	405	364	330	348
90%	356	377	404	446	460	467	457	438	396	340	329	344
Long Term												
Full Simulation Period[a]	385	414	450	481	501	517	505	477	439	393	360	372
Water Year Types[b,c]												
Wet (32%)	399	428	466	492	517	535	525	498	468	414	377	386
Above Normal (16%)	379	412	456	479	504	525	509	473	438	372	347	365
Below Normal (13%)	378	407	440	475	493	512	497	464	419	383	347	365
Dry (24%)	379	407	443	479	495	512	502	475	430	397	358	368
Critical (15%)	379	401	432	468	481	482	472	452	414	376	353	361

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Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	448	479	512	517	544	544	544	536	518	460	427	435
20%	417	444	483	501	516	532	533	521	478	423	390	394
30%	398	429	470	488	498	507	523	496	455	403	361	380
40%	386	428	461	471	483	497	496	477	441	383	349	371
50%	381	412	455	464	471	477	475	449	419	375	341	360
60%	378	406	448	454	463	466	461	435	406	369	337	354
70%	371	395	441	447	451	453	448	426	400	365	333	348
80%	358	390	435	438	443	445	440	414	393	358	329	348
90%	353	381	416	423	429	431	428	405	381	334	329	346
Long Term												
Full Simulation Period[a]	391	421	458	468	477	483	482	462	434	389	360	374
Water Year Types[b,c]												
Wet (32%)	414	446	481	488	505	517	523	509	477	423	387	400
Above Normal (16%)	390	422	457	455	468	478	481	461	432	367	348	368
Below Normal (13%)	378	408	448	467	473	474	469	444	412	378	345	359
Dry (24%)	377	407	447	462	465	466	460	435	409	377	347	363
Critical (15%)	375	401	437	447	451	450	443	426	403	372	350	360

PAL 113018 minus Current Operations 102818

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	25	42	36	11	10	0	8	18	19	14	18	16
20%	24	15	14	1	-12	-12	4	12	1	1	7	2
30%	12	0	3	-7	-25	-37	-3	8	3	2	0	5
40%	5	5	-1	-20	-31	-36	-24	-4	1	-14	-3	3
50%	2	-5	0	-24	-33	-47	-36	-28	-11	-16	-8	-1
60%	2	0	-2	-29	-33	-52	-42	-34	-16	-15	-5	-2
70%	-2	-5	0	-24	-38	-53	-45	-36	-16	-6	-2	-2
80%	-12	1	5	-22	-35	-50	-43	-40	-12	-5	-1	0
90%	-3	4	12	-24	-31	-36	-29	-33	-15	-6	0	2
Long Term												
Full Simulation Period[a]	6	8	8	-13	-24	-34	-23	-15	-6	-4	0	2
Water Year Types[b,c]												
Wet (32%)	16	18	15	-4	-12	-18	-2	11	10	9	9	13
Above Normal (16%)	11	11	2	-24	-36	-46	-27	-12	-6	-4	1	3
Below Normal (13%)	0	1	8	-9	-20	-38	-28	-21	-7	-5	-2	-7
Dry (24%)	-2	0	4	-17	-31	-45	-42	-41	-21	-21	-11	-5
Critical (15%)	-4	0	6	-21	-30	-32	-29	-26	-11	-3	-3	-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).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

e These are draft results meant for qualitative analysis and are subject to revision.

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

Current Operations 102818

Statistic	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	423	437	476	506	534	544	536	519	499	445	409	419
20%	393	429	469	500	529	544	529	509	477	422	383	392
30%	386	429	466	495	524	544	525	488	453	401	361	374
40%	381	422	463	491	514	533	520	481	440	397	353	368
50%	379	417	456	488	504	524	510	477	429	391	349	360
60%	376	406	450	482	496	518	503	469	423	384	342	356
70%	374	400	441	472	489	506	493	462	416	371	335	350
80%	370	389	430	460	478	495	484	454	405	364	330	348
90%	356	377	404	446	460	467	457	438	396	340	329	344
Long Term												
Full Simulation Period[a]	385	414	450	481	501	517	505	477	439	393	360	372
Water Year Types[b,c]												
Wet (32%)	399	428	466	492	517	535	525	498	468	414	377	386
Above Normal (16%)	379	412	456	479	504	525	509	473	438	372	347	365
Below Normal (13%)	378	407	440	475	493	512	497	464	419	383	347	365
Dry (24%)	379	407	443	479	495	512	502	475	430	397	358	368
Critical (15%)	379	401	432	468	481	482	472	452	414	376	353	361

PAU 113018

Statistic	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	455	487	520	544	544	544	544	544	527	462	437	441
20%	423	447	483	511	537	544	544	541	508	445	401	405
30%	410	431	466	500	530	544	544	534	495	436	389	394
40%	396	425	455	491	521	543	544	526	486	423	378	387
50%	388	412	446	481	511	533	538	519	480	418	372	380
60%	380	402	436	474	497	526	524	510	473	411	363	373
70%	372	390	430	465	491	512	514	500	463	404	357	362
80%	364	383	419	458	484	505	496	484	452	394	348	355
90%	350	377	404	434	474	494	487	471	440	381	335	342
Long Term												
Full Simulation Period[a]	396	420	452	484	507	524	524	513	479	422	379	386
Water Year Types[b,c]												
Wet (32%)	420	450	481	500	523	536	541	534	504	447	402	409
Above Normal (16%)	391	411	442	472	499	523	527	516	481	408	365	375
Below Normal (13%)	387	406	434	494	511	528	524	508	471	415	370	380
Dry (24%)	385	409	445	476	501	523	518	504	469	414	372	378
Critical (15%)	373	397	426	465	491	502	493	479	448	403	362	365

PAU 113018 minus Current Operations 102818

Statistic	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	33	50	44	39	10	0	8	26	28	17	28	23
20%	30	18	14	11	9	0	15	32	31	23	18	13
30%	24	2	-1	5	6	0	19	45	42	35	28	19
40%	15	2	-7	0	7	10	24	45	46	26	25	19
50%	9	-5	-10	-6	7	9	27	42	51	27	24	20
60%	3	-4	-14	-9	1	8	20	41	50	28	21	16
70%	-2	-9	-12	-7	2	6	21	39	47	32	22	12
80%	-6	-6	-11	-2	6	10	12	30	47	30	18	7
90%	-5	0	0	-12	14	27	30	34	44	41	6	-2
Long Term												
Full Simulation Period[a]	11	6	1	3	6	7	19	35	40	29	18	14
Water Year Types[b,c]												
Wet (32%)	21	21	15	8	6	0	16	36	37	33	24	22
Above Normal (16%)	12	-1	-13	-8	-5	-2	18	43	43	36	18	10
Below Normal (13%)	9	-2	-6	18	18	16	27	44	52	32	23	14
Dry (24%)	6	3	1	-3	6	11	16	29	39	17	14	10
Critical (15%)	-5	-4	-6	-3	10	19	21	27	34	27	9	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).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

e These are draft results meant for qualitative analysis and are subject to revision.

Figure 6a-1. San Luis Reservoir (SWP and CVP), Reservoir Pool Elevation, May
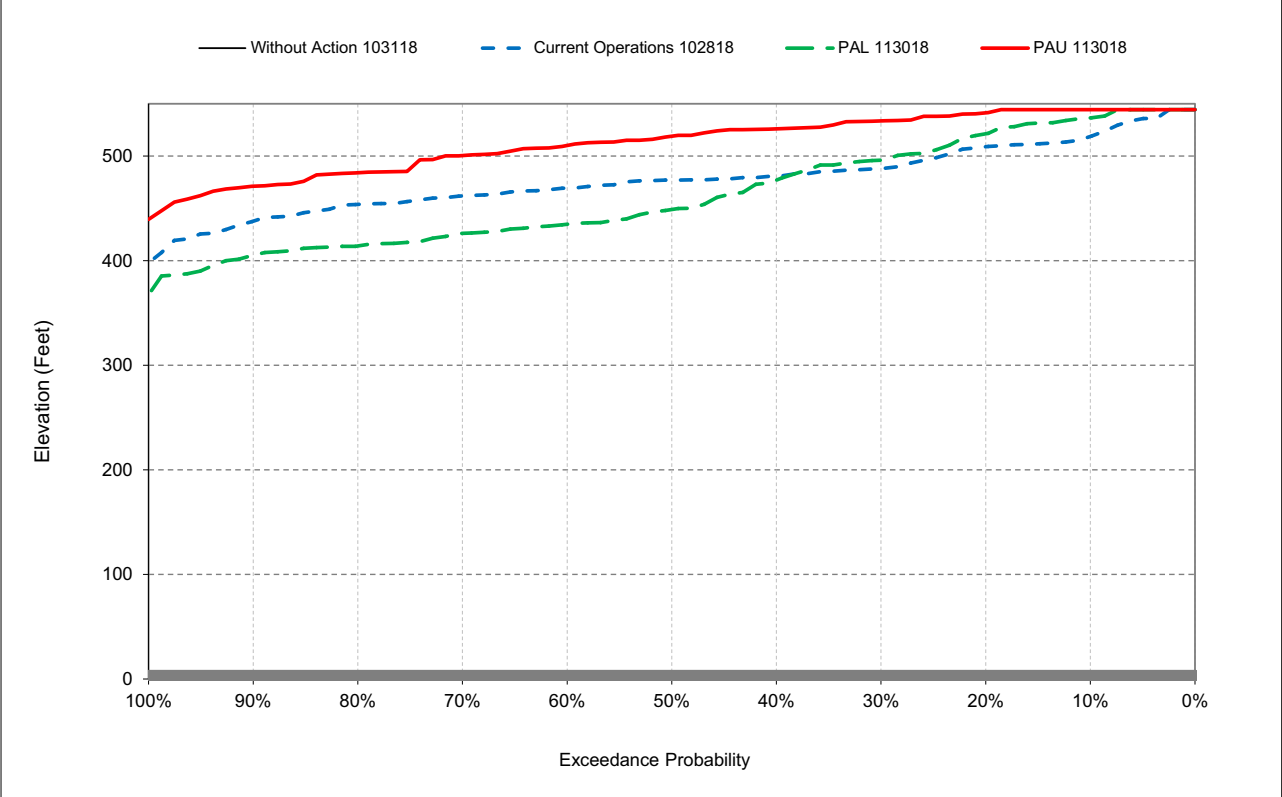
*All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

*These are draft results meant for qualitative analysis and are subject to revision.

Figure 6a-2. San Luis Reservoir (SWP and CVP), Reservoir Pool Elevation, September

*All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

*These are draft results meant for qualitative analysis and are subject to revision.

Table 7-1. New Melones Storage, End of Month Storage

Without Action **103118**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
End of Month Storage (TAF)												
Probability of Exceedance												
10%	80	80	90	185	186	211	256	380	441	130	80	80
20%	80	80	80	87	131	161	198	350	341	88	80	80
30%	80	80	80	80	101	124	160	285	279	80	80	80
40%	80	80	80	80	80	93	106	224	212	80	80	80
50%	80	80	80	80	80	80	86	199	137	80	80	80
60%	80	80	80	80	80	80	80	113	80	80	80	80
70%	80	80	80	80	80	80	80	80	80	80	80	80
80%	80	80	80	80	80	80	80	80	80	80	80	80
90%	80	80	80	80	80	80	80	80	80	80	80	80
Long Term												
Full Simulation Period[a]	80	85	98	114	121	128	136	213	207	102	81	80
Water Year Types[b,c]												
Wet (23%)	80	89	115	193	209	214	219	344	354	151	82	80
Above Normal (24%)	80	80	81	99	121	141	164	311	276	93	81	80
Below Normal (10%)	80	80	80	116	86	86	100	174	190	98	80	80
Dry (16%)	80	100	111	80	80	86	88	118	113	85	80	80
Critical (27%)	80	80	98	80	80	80	80	82	80	80	80	80

Current Operations 102818

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
End of Month Storage (TAF)												
Probability of Exceedance												
10%	1,765	1,759	1,823	1,880	1,931	1,980	1,946	2,053	2,075	1,978	1,870	1,806
20%	1,612	1,631	1,647	1,687	1,768	1,799	1,834	1,901	1,877	1,798	1,692	1,633
30%	1,533	1,537	1,556	1,599	1,687	1,729	1,687	1,745	1,786	1,707	1,605	1,557
40%	1,272	1,274	1,433	1,515	1,594	1,618	1,593	1,534	1,539	1,433	1,333	1,274
50%	1,122	1,127	1,154	1,308	1,436	1,535	1,461	1,445	1,393	1,283	1,190	1,156
60%	1,025	1,043	1,080	1,146	1,199	1,273	1,279	1,335	1,277	1,200	1,103	1,054
70%	882	911	986	1,015	1,039	1,057	1,083	1,090	1,087	994	910	868
80%	646	658	684	684	735	808	835	878	872	808	733	693
90%	430	435	440	486	541	569	574	586	630	566	507	473
Long Term												
Full Simulation Period[a]	1,133	1,142	1,180	1,237	1,306	1,349	1,338	1,374	1,381	1,300	1,209	1,160
Water Year Types[b,c]												
Wet (23%)	1,725	1,729	1,754	1,496	1,637	1,703	1,757	1,913	2,036	1,968	1,846	1,772
Above Normal (24%)	1,229	1,239	1,271	1,174	1,267	1,342	1,366	1,470	1,480	1,387	1,290	1,241
Below Normal (10%)	1,201	1,206	1,228	1,464	1,518	1,550	1,495	1,502	1,502	1,408	1,307	1,249
Dry (16%)	931	965	1,041	1,254	1,277	1,315	1,265	1,226	1,175	1,080	996	958
Critical (27%)	614	616	657	978	993	995	936	860	805	735	675	644

Current Operations 102818 minus Without Action **103118**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
End of Month Storage (TAF)												
Probability of Exceedance												
10%	1,685	1,679	1,733	1,695	1,745	1,769	1,691	1,673	1,634	1,848	1,790	1,726
20%	1,532	1,551	1,567	1,600	1,637	1,638	1,636	1,551	1,536	1,711	1,612	1,553
30%	1,453	1,457	1,476	1,519	1,587	1,605	1,527	1,459	1,507	1,627	1,525	1,477
40%	1,192	1,194	1,353	1,435	1,514	1,525	1,487	1,309	1,327	1,353	1,253	1,194
50%	1,042	1,047	1,074	1,228	1,356	1,455	1,375	1,245	1,255	1,203	1,110	1,076
60%	945	963	1,000	1,066	1,119	1,193	1,223	1,197	1,120	1,023	974
70%	802	831	906	935	959	977	1,003	1,010	1,007	914	830	788
80%	566	578	604	604	655	728	755	798	792	728	653	613
90%	350	355	360	406	461	489	494	506	550	486	427	393
Long Term												
Full Simulation Period[a]	1,053	1,057	1,083	1,123	1,185	1,221	1,202	1,160	1,174	1,198	1,128	1,080
Water Year Types[b,c]												
Wet (23%)	1,645	1,640	1,640	1,303	1,428	1,489	1,538	1,569	1,682	1,817	1,764	1,692
Above Normal (24%)	1,149	1,159	1,190	1,075	1,146	1,201	1,201	1,159	1,204	1,294	1,209	1,161
Below Normal (10%)	1,121	1,126	1,148	1,348	1,432	1,464	1,395	1,328	1,312	1,309	1,227	1,169
Dry (16%)	851	865	930	1,174	1,197	1,229	1,177	1,108	1,062	995	916	878
Critical (27%)	534	536	559	898	913	914	855	778	725	655	595	564

a Based on the 82-year simulation period.

b As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

e These are draft results meant for qualitative analysis and are subject to revision.

Table 7-2. New Melones Storage, End of Month Storage

Without Action **103118**

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	80	80	90	185	186	211	256	380	441	130	80	80
20%	80	80	80	87	131	161	198	350	341	88	80	80
30%	80	80	80	80	101	124	160	285	279	80	80	80
40%	80	80	80	80	80	93	106	224	212	80	80	80
50%	80	80	80	80	80	80	86	199	137	80	80	80
60%	80	80	80	80	80	80	80	113	80	80	80	80
70%	80	80	80	80	80	80	80	80	80	80	80	80
80%	80	80	80	80	80	80	80	80	80	80	80	80
90%	80	80	80	80	80	80	80	80	80	80	80	80
Long Term												
Full Simulation Period[a]	80	85	98	114	121	128	136	213	207	102	81	80
Water Year Types[b,c]												
Wet (23%)	80	89	115	193	209	214	219	344	354	151	82	80
Above Normal (24%)	80	80	81	99	121	141	164	311	276	93	81	80
Below Normal (10%)	80	80	80	116	86	86	100	174	190	98	80	80
Dry (16%)	80	100	111	80	80	86	88	118	113	85	80	80
Critical (27%)	80	80	98	80	80	80	80	82	80	80	80	80

PAL 113018

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,826	1,835	1,906	1,961	1,970	1,994	1,989	2,018	2,145	2,054	1,947	1,883
20%	1,695	1,701	1,732	1,771	1,808	1,862	1,865	1,937	1,969	1,885	1,784	1,732
30%	1,601	1,604	1,620	1,668	1,751	1,778	1,739	1,814	1,870	1,774	1,681	1,625
40%	1,379	1,375	1,471	1,587	1,659	1,686	1,689	1,655	1,621	1,544	1,451	1,419
50%	1,201	1,212	1,285	1,420	1,490	1,566	1,517	1,501	1,493	1,384	1,287	1,239
60%	1,090	1,089	1,122	1,176	1,274	1,302	1,322	1,325	1,304	1,232	1,128	1,102
70%	922	945	1,008	1,066	1,072	1,081	1,088	1,162	1,184	1,091	1,001	957
80%	693	675	711	739	818	931	911	920	900	839	776	739
90%	445	455	460	536	614	599	537	594	637	573	497	461
Long Term												
Full Simulation Period[a]	1,190	1,200	1,239	1,297	1,350	1,386	1,380	1,417	1,442	1,360	1,267	1,216
Water Year Types[b,c]												
Wet (23%)	1,766	1,769	1,798	1,539	1,645	1,729	1,783	1,938	2,084	2,012	1,889	1,813
Above Normal (24%)	1,289	1,300	1,332	1,230	1,299	1,357	1,382	1,486	1,536	1,448	1,352	1,303
Below Normal (10%)	1,291	1,296	1,318	1,553	1,594	1,614	1,574	1,578	1,591	1,496	1,395	1,338
Dry (16%)	988	1,022	1,098	1,320	1,343	1,363	1,318	1,281	1,236	1,140	1,055	1,016
Critical (27%)	671	673	716	1,043	1,058	1,048	996	926	871	796	730	697

PAL 113018 minus Without Action **103118**

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,746	1,755	1,816	1,776	1,784	1,783	1,733	1,638	1,704	1,924	1,867	1,803
20%	1,615	1,621	1,652	1,685	1,677	1,701	1,667	1,587	1,628	1,797	1,704	1,652
30%	1,521	1,524	1,540	1,588	1,650	1,654	1,579	1,529	1,591	1,694	1,601	1,545
40%	1,299	1,295	1,391	1,507	1,579	1,593	1,583	1,431	1,409	1,464	1,371	1,339
50%	1,121	1,132	1,205	1,340	1,410	1,486	1,431	1,302	1,356	1,304	1,207	1,159
60%	1,010	1,009	1,042	1,096	1,194	1,222	1,242	1,213	1,224	1,152	1,048	1,022
70%	842	865	928	986	992	1,001	1,008	1,082	1,104	1,011	921	877
80%	613	595	631	659	738	851	831	840	820	759	696	659
90%	365	375	380	456	534	519	457	514	557	493	417	381
Long Term												
Full Simulation Period[a]	1,110	1,114	1,141	1,183	1,230	1,259	1,244	1,204	1,235	1,257	1,186	1,136
Water Year Types[b,c]												
Wet (23%)	1,686	1,680	1,683	1,346	1,435	1,515	1,564	1,594	1,731	1,860	1,807	1,733
Above Normal (24%)	1,209	1,220	1,251	1,131	1,178	1,216	1,218	1,175	1,260	1,355	1,270	1,223
Below Normal (10%)	1,211	1,216	1,238	1,436	1,508	1,528	1,474	1,404	1,401	1,398	1,315	1,258
Dry (16%)	908	922	987	1,240	1,263	1,277	1,230	1,162	1,123	1,055	975	936
Critical (27%)	591	593	618	963	978	968	916	844	791	716	650	617

a Based on the 82-year simulation period.

b As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

e These are draft results meant for qualitative analysis and are subject to revision.

Table 7-3. New Melones Storage, End of Month Storage

Without Action **103118**

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	80	80	90	185	186	211	256	380	441	130	80	80
20%	80	80	80	87	131	161	198	350	341	88	80	80
30%	80	80	80	80	101	124	160	285	279	80	80	80
40%	80	80	80	80	80	93	106	224	212	80	80	80
50%	80	80	80	80	80	80	86	199	137	80	80	80
60%	80	80	80	80	80	80	80	113	80	80	80	80
70%	80	80	80	80	80	80	80	80	80	80	80	80
80%	80	80	80	80	80	80	80	80	80	80	80	80
90%	80	80	80	80	80	80	80	80	80	80	80	80
Long Term												
Full Simulation Period[a]	80	85	98	114	121	128	136	213	207	102	81	80
Water Year Types[b,c]												
Wet (23%)	80	89	115	193	209	214	219	344	354	151	82	80
Above Normal (24%)	80	80	81	99	121	141	164	311	276	93	81	80
Below Normal (10%)	80	80	80	116	86	86	100	174	190	98	80	80
Dry (16%)	80	100	111	80	80	86	88	118	113	85	80	80
Critical (27%)	80	80	98	80	80	80	80	82	80	80	80	80

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	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,826	1,835	1,906	1,961	1,970	1,994	1,989	2,018	2,145	2,054	1,947	1,883
20%	1,695	1,701	1,732	1,771	1,808	1,862	1,865	1,937	1,969	1,885	1,784	1,732
30%	1,601	1,604	1,620	1,668	1,751	1,778	1,739	1,814	1,870	1,774	1,681	1,625
40%	1,379	1,375	1,471	1,587	1,659	1,686	1,689	1,655	1,621	1,544	1,451	1,419
50%	1,201	1,212	1,285	1,420	1,490	1,566	1,517	1,501	1,493	1,384	1,287	1,239
60%	1,090	1,089	1,122	1,176	1,274	1,302	1,322	1,325	1,304	1,232	1,128	1,102
70%	922	945	1,008	1,066	1,072	1,081	1,088	1,162	1,184	1,091	1,001	957
80%	693	675	711	739	818	931	911	920	900	839	776	739
90%	445	455	459	536	614	599	537	594	637	573	497	461
Long Term												
Full Simulation Period[a]	1,190	1,199	1,239	1,297	1,350	1,386	1,380	1,417	1,442	1,360	1,266	1,216
Water Year Types[b,c]												
Wet (23%)	1,766	1,769	1,798	1,539	1,645	1,729	1,783	1,938	2,084	2,012	1,889	1,813
Above Normal (24%)	1,289	1,300	1,332	1,230	1,299	1,357	1,382	1,486	1,536	1,448	1,351	1,303
Below Normal (10%)	1,291	1,296	1,318	1,553	1,594	1,614	1,574	1,578	1,591	1,496	1,395	1,338
Dry (16%)	988	1,022	1,097	1,320	1,343	1,363	1,318	1,281	1,236	1,140	1,055	1,016
Critical (27%)	671	673	716	1,043	1,058	1,048	996	926	871	796	730	696

PAU 113018 minus Without Action **103118**

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,746	1,755	1,816	1,776	1,784	1,783	1,733	1,638	1,704	1,924	1,867	1,803
20%	1,615	1,621	1,652	1,685	1,677	1,701	1,667	1,587	1,628	1,797	1,704	1,652
30%	1,521	1,524	1,540	1,588	1,650	1,654	1,579	1,529	1,591	1,694	1,601	1,545
40%	1,299	1,295	1,391	1,507	1,579	1,593	1,583	1,431	1,409	1,464	1,371	1,339
50%	1,121	1,132	1,205	1,340	1,410	1,486	1,431	1,302	1,356	1,304	1,207	1,159
60%	1,010	1,009	1,042	1,096	1,194	1,222	1,242	1,213	1,224	1,152	1,048	1,022
70%	842	865	928	986	992	1,001	1,008	1,082	1,104	1,011	921	877
80%	613	595	631	659	738	851	831	840	820	759	696	659
90%	365	375	379	456	534	519	457	514	557	493	417	381
Long Term												
Full Simulation Period[a]	1,110	1,114	1,141	1,183	1,230	1,259	1,244	1,203	1,235	1,257	1,186	1,136
Water Year Types[b,c]												
Wet (23%)	1,686	1,680	1,683	1,346	1,435	1,515	1,564	1,594	1,731	1,860	1,807	1,733
Above Normal (24%)	1,209	1,220	1,251	1,131	1,178	1,216	1,218	1,175	1,260	1,355	1,270	1,223
Below Normal (10%)	1,211	1,216	1,238	1,436	1,508	1,528	1,474	1,404	1,401	1,398	1,315	1,258
Dry (16%)	908	922	987	1,240	1,263	1,277	1,230	1,162	1,123	1,055	975	936
Critical (27%)	591	593	618	963	978	968	916	844	791	716	650	616

a Based on the 82-year simulation period.

b As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

e These are draft results meant for qualitative analysis and are subject to revision.

Table 7-4. New Melones Storage, End of Month Storage

Current Operations 102818

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,765	1,759	1,823	1,880	1,931	1,980	1,946	2,053	2,075	1,978	1,870	1,806
20%	1,612	1,631	1,647	1,687	1,768	1,799	1,834	1,901	1,877	1,798	1,692	1,633
30%	1,533	1,537	1,556	1,599	1,687	1,729	1,687	1,745	1,786	1,707	1,605	1,557
40%	1,272	1,274	1,433	1,515	1,594	1,618	1,593	1,534	1,539	1,433	1,333	1,274
50%	1,122	1,127	1,154	1,308	1,436	1,535	1,461	1,445	1,393	1,283	1,190	1,156
60%	1,025	1,043	1,080	1,146	1,199	1,273	1,279	1,335	1,277	1,200	1,103	1,054
70%	882	911	986	1,015	1,039	1,057	1,083	1,090	1,087	994	910	868
80%	646	658	684	684	735	808	835	878	872	808	733	693
90%	430	435	440	486	541	569	574	586	630	566	507	473
Long Term												
Full Simulation Period[a]	1,133	1,142	1,180	1,237	1,306	1,349	1,338	1,374	1,381	1,300	1,209	1,160
Water Year Types[b,c]												
Wet (23%)	1,725	1,729	1,754	1,496	1,637	1,703	1,757	1,913	2,036	1,968	1,846	1,772
Above Normal (24%)	1,229	1,239	1,271	1,174	1,267	1,342	1,366	1,470	1,480	1,387	1,290	1,241
Below Normal (10%)	1,201	1,206	1,228	1,464	1,518	1,550	1,495	1,502	1,502	1,408	1,307	1,249
Dry (16%)	931	965	1,041	1,254	1,277	1,315	1,265	1,226	1,175	1,080	996	958
Critical (27%)	614	616	657	978	993	995	936	860	805	735	675	644

PAL 113018

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,826	1,835	1,906	1,961	1,970	1,994	1,989	2,018	2,145	2,054	1,947	1,883
20%	1,695	1,701	1,732	1,771	1,808	1,862	1,865	1,937	1,969	1,885	1,784	1,732
30%	1,601	1,604	1,620	1,668	1,751	1,778	1,739	1,814	1,870	1,774	1,681	1,625
40%	1,379	1,375	1,471	1,587	1,659	1,686	1,689	1,655	1,621	1,544	1,451	1,419
50%	1,201	1,212	1,285	1,420	1,490	1,566	1,517	1,501	1,493	1,384	1,287	1,239
60%	1,090	1,089	1,122	1,176	1,274	1,302	1,322	1,325	1,304	1,232	1,128	1,102
70%	922	945	1,008	1,066	1,072	1,081	1,088	1,162	1,184	1,091	1,001	957
80%	693	675	711	739	818	931	911	920	900	839	776	739
90%	445	455	460	536	614	599	537	594	637	573	497	461
Long Term												
Full Simulation Period[a]	1,190	1,200	1,239	1,297	1,350	1,386	1,380	1,417	1,442	1,360	1,267	1,216
Water Year Types[b,c]												
Wet (23%)	1,766	1,769	1,798	1,539	1,645	1,729	1,783	1,938	2,084	2,012	1,889	1,813
Above Normal (24%)	1,289	1,300	1,332	1,230	1,299	1,357	1,382	1,486	1,536	1,448	1,352	1,303
Below Normal (10%)	1,291	1,296	1,318	1,553	1,594	1,614	1,574	1,578	1,591	1,496	1,395	1,338
Dry (16%)	988	1,022	1,098	1,320	1,343	1,363	1,318	1,281	1,236	1,140	1,055	1,016
Critical (27%)	671	673	716	1,043	1,058	1,048	996	926	871	796	730	697

PAL 113018 minus Current Operations 102818

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	61	75	83	81	39	14	43	**-35**	70	76	77	78
20%	84	69	85	84	40	63	31	36	92	87	92	99
30%	68	68	64	70	63	48	53	70	84	67	76	69
40%	107	101	38	72	64	68	96	121	82	110	118	145
50%	80	85	131	113	54	31	56	57	100	101	96	83
60%	65	46	42	30	75	29	43	**-10**	27	33	25	48
70%	40	33	22	51	33	24	5	72	97	97	91	89
80%	47	17	27	55	83	123	75	42	28	30	43	46
90%	16	20	20	50	73	30	**-37**	8	7	6	**-10**	**-12**
Long Term												
Full Simulation Period[a]	57	57	59	60	45	38	42	43	61	60	58	57
Water Year Types[b,c]												
Wet (23%)	40	40	43	43	8	26	26	25	49	43	43	41
Above Normal (24%)	61	61	61	56	31	15	17	16	56	61	61	62
Below Normal (10%)	90	90	90	89	76	64	79	76	89	89	88	88
Dry (16%)	57	57	57	66	66	48	53	55	61	60	59	58
Critical (27%)	57	57	59	65	65	54	60	66	66	62	55	53

a Based on the 82-year simulation period.

b As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

e These are draft results meant for qualitative analysis and are subject to revision.

Table 7-5. New Melones Storage, End of Month Storage

Current Operations 102818

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,765	1,759	1,823	1,880	1,931	1,980	1,946	2,053	2,075	1,978	1,870	1,806
20%	1,612	1,631	1,647	1,687	1,768	1,799	1,834	1,901	1,877	1,798	1,692	1,633
30%	1,533	1,537	1,556	1,599	1,687	1,729	1,687	1,745	1,786	1,707	1,605	1,557
40%	1,272	1,274	1,433	1,515	1,594	1,618	1,593	1,534	1,539	1,433	1,333	1,274
50%	1,122	1,127	1,154	1,308	1,436	1,535	1,461	1,445	1,393	1,283	1,190	1,156
60%	1,025	1,043	1,080	1,146	1,199	1,273	1,279	1,335	1,277	1,200	1,103	1,054
70%	882	911	986	1,015	1,039	1,057	1,083	1,090	1,087	994	910	868
80%	646	658	684	684	735	808	835	878	872	808	733	693
90%	430	435	440	486	541	569	574	586	630	566	507	473
Long Term												
Full Simulation Period[a]	1,133	1,142	1,180	1,237	1,306	1,349	1,338	1,374	1,381	1,300	1,209	1,160
Water Year Types[b,c]												
Wet (23%)	1,725	1,729	1,754	1,496	1,637	1,703	1,757	1,913	2,036	1,968	1,846	1,772
Above Normal (24%)	1,229	1,239	1,271	1,174	1,267	1,342	1,366	1,470	1,480	1,387	1,290	1,241
Below Normal (10%)	1,201	1,206	1,228	1,464	1,518	1,550	1,495	1,502	1,502	1,408	1,307	1,249
Dry (16%)	931	965	1,041	1,254	1,277	1,315	1,265	1,226	1,175	1,080	996	958
Critical (27%)	614	616	657	978	993	995	936	860	805	735	675	644

PAU 113018

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,826	1,835	1,906	1,961	1,970	1,994	1,989	2,018	2,145	2,054	1,947	1,883
20%	1,695	1,701	1,732	1,771	1,808	1,862	1,865	1,937	1,969	1,885	1,784	1,732
30%	1,601	1,604	1,620	1,668	1,751	1,778	1,739	1,814	1,870	1,774	1,681	1,625
40%	1,379	1,375	1,471	1,587	1,659	1,686	1,689	1,655	1,621	1,544	1,451	1,419
50%	1,201	1,212	1,285	1,420	1,490	1,566	1,517	1,501	1,493	1,384	1,287	1,239
60%	1,090	1,089	1,122	1,176	1,274	1,302	1,322	1,325	1,304	1,232	1,128	1,102
70%	922	945	1,008	1,066	1,072	1,081	1,088	1,162	1,184	1,091	1,001	957
80%	693	675	711	739	818	931	911	920	900	839	776	739
90%	445	455	459	536	614	599	537	594	637	573	497	461
Long Term												
Full Simulation Period[a]	1,190	1,199	1,239	1,297	1,350	1,386	1,380	1,417	1,442	1,360	1,266	1,216
Water Year Types[b,c]												
Wet (23%)	1,766	1,769	1,798	1,539	1,645	1,729	1,783	1,938	2,084	2,012	1,889	1,813
Above Normal (24%)	1,289	1,300	1,332	1,230	1,299	1,357	1,382	1,486	1,536	1,448	1,351	1,303
Below Normal (10%)	1,291	1,296	1,318	1,553	1,594	1,614	1,574	1,578	1,591	1,496	1,395	1,338
Dry (16%)	988	1,022	1,097	1,320	1,343	1,363	1,318	1,281	1,236	1,140	1,055	1,016
Critical (27%)	671	673	716	1,043	1,058	1,048	996	926	871	796	730	696

PAU 113018 minus Current Operations 102818

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	61	75	83	81	39	14	43	**-35**	70	76	77	78
20%	84	69	85	84	40	63	31	36	92	87	92	99
30%	68	68	64	70	63	48	53	70	84	67	76	69
40%	107	101	38	72	64	68	96	121	82	110	118	145
50%	80	85	131	113	54	31	56	57	100	101	96	83
60%	65	46	42	30	75	29	43	**-10**	27	33	25	48
70%	40	33	22	51	33	24	5	72	97	97	91	89
80%	47	17	27	55	83	123	75	42	28	30	43	46
90%	15	20	20	49	73	30	**-37**	8	7	6	**-10**	**-12**
Long Term												
Full Simulation Period[a]	57	57	59	60	45	38	42	43	61	60	58	57
Water Year Types[b,c]												
Wet (23%)	40	40	43	43	8	26	26	25	49	43	43	41
Above Normal (24%)	61	61	61	56	31	15	17	16	56	61	61	62
Below Normal (10%)	90	90	90	89	76	64	79	76	89	89	88	88
Dry (16%)	57	57	57	66	66	48	53	55	61	60	59	58
Critical (27%)	57	57	59	64	65	53	60	66	66	62	55	53

a Based on the 82-year simulation period.

b As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

e These are draft results meant for qualitative analysis and are subject to revision.

Figure 7-1. New Melones Storage, End of May Storage
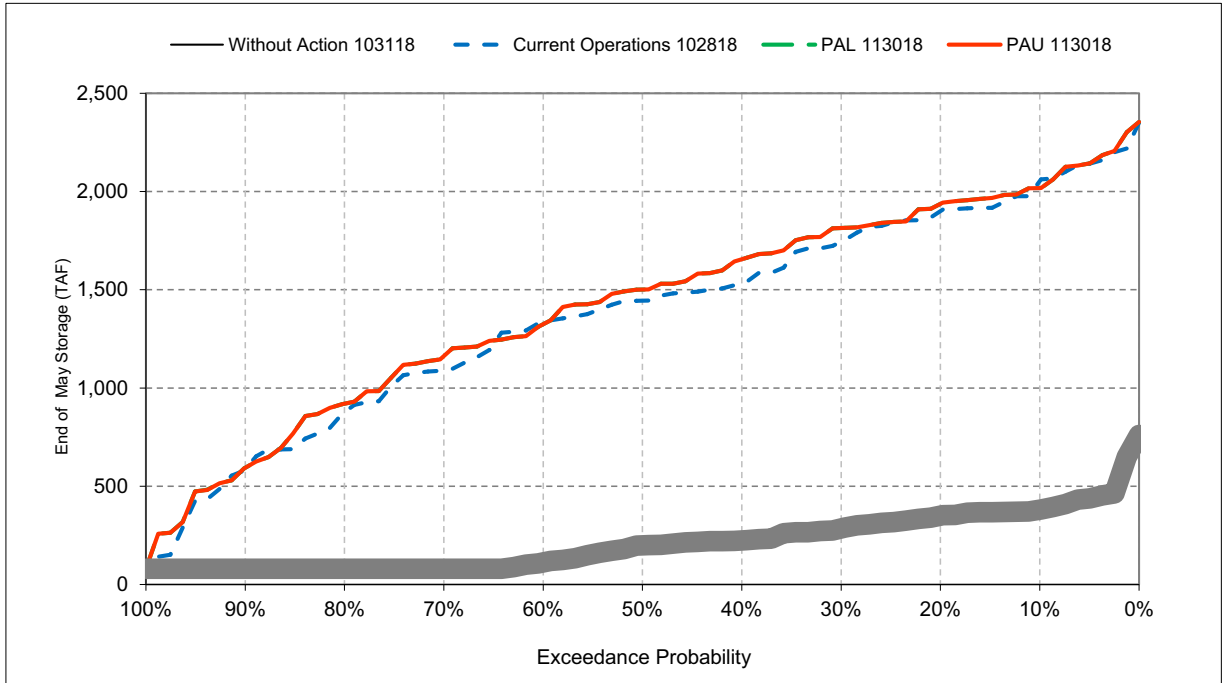
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

*These are draft results meant for qualitative analysis and are subject to revision.

Figure 7-2. New Melones Storage, End of September Storage

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

*All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

*These are draft results meant for qualitative analysis and are subject to revision.

Table 7a-1. New Melones Reservoir, End of Month Elevation

Without Action **103118**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	715	715	720	768	769	778	793	824	837	743	715	715
20%	715	715	715	718	743	760	773	818	816	719	715	715
30%	715	715	715	715	726	740	760	803	801	715	715	715
40%	715	715	715	715	715	722	729	782	778	715	715	715
50%	715	715	715	715	715	715	718	774	747	715	715	715
60%	715	715	715	715	715	715	715	733	715	715	715	715
70%	715	715	715	715	715	715	715	715	715	715	715	715
80%	715	715	715	715	715	715	715	715	715	715	715	715
90%	715	715	715	715	715	715	715	715	715	715	715	715
Long Term												
Full Simulation Period[a]	715	717	722	728	731	736	740	767	763	724	715	715
Water Year Types[b,c]												
Wet (23%)	715	719	729	757	762	771	773	810	810	743	716	715
Above Normal (24%)	715	715	715	724	737	745	756	807	791	721	715	715
Below Normal (10%)	715	715	715	728	718	718	726	761	768	725	715	715
Dry (16%)	715	723	727	715	715	718	719	734	731	717	715	715
Critical (27%)	715	715	723	715	715	715	715	716	715	715	715	715

Current Operations **102818**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,029	1,028	1,035	1,040	1,046	1,050	1,047	1,057	1,059	1,050	1,039	1,033
20%	1,013	1,015	1,017	1,021	1,029	1,032	1,036	1,043	1,040	1,032	1,021	1,016
30%	1,006	1,006	1,008	1,012	1,021	1,025	1,021	1,027	1,031	1,023	1,013	1,008
40%	975	976	995	1,004	1,012	1,014	1,012	1,006	1,006	995	983	976
50%	956	957	960	980	996	1,006	998	997	991	977	965	960
60%	943	946	950	959	966	976	976	984	976	966	953	947
70%	925	928	938	942	945	947	951	952	951	939	928	923
80%	879	881	887	887	897	912	918	924	923	912	897	888
90%	835	836	837	846	857	863	864	867	876	863	850	843
Long Term												
Full Simulation Period[a]	944	945	951	958	968	974	973	976	976	965	954	947
Water Year Types[b,c]												
Wet (23%)	1,024	1,025	1,027	996	1,012	1,021	1,026	1,042	1,054	1,047	1,036	1,029
Above Normal (24%)	963	965	969	945	959	970	976	991	994	983	971	965
Below Normal (10%)	963	963	966	990	998	1,001	996	998	999	988	976	969
Dry (16%)	924	929	939	967	970	975	969	965	960	947	935	929
Critical (27%)	858	859	867	922	925	927	917	903	893	881	870	864

Current Operations **102818** minus Without Action **103118**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	314	314	314	272	277	273	254	232	222	307	325	318
20%	299	301	302	303	286	272	263	224	224	313	307	301
30%	291	291	293	297	295	286	261	224	230	308	298	293
40%	261	261	280	289	297	292	282	223	228	281	269	261
50%	241	242	245	265	281	291	280	223	244	262	250	246
60%	229	231	236	244	251	261	262	251	261	251	239	232
70%	210	214	223	227	230	233	236	237	237	225	214	208
80%	164	167	172	172	182	197	203	209	209	197	182	174
90%	120	121	122	131	143	148	149	152	161	148	136	129
Long Term												
Full Simulation Period[a]	229	228	228	230	236	238	233	209	213	241	239	233
Water Year Types[b,c]												
Wet (23%)	310	305	299	239	250	250	253	233	244	304	320	314
Above Normal (24%)	249	250	253	221	222	225	220	184	203	262	255	250
Below Normal (10%)	248	249	251	262	279	283	270	237	231	263	261	254
Dry (16%)	209	207	212	252	255	256	250	231	229	230	220	214
Critical (27%)	144	144	145	208	211	212	203	188	178	166	155	149

a Based on the 82-year simulation period.

b As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.
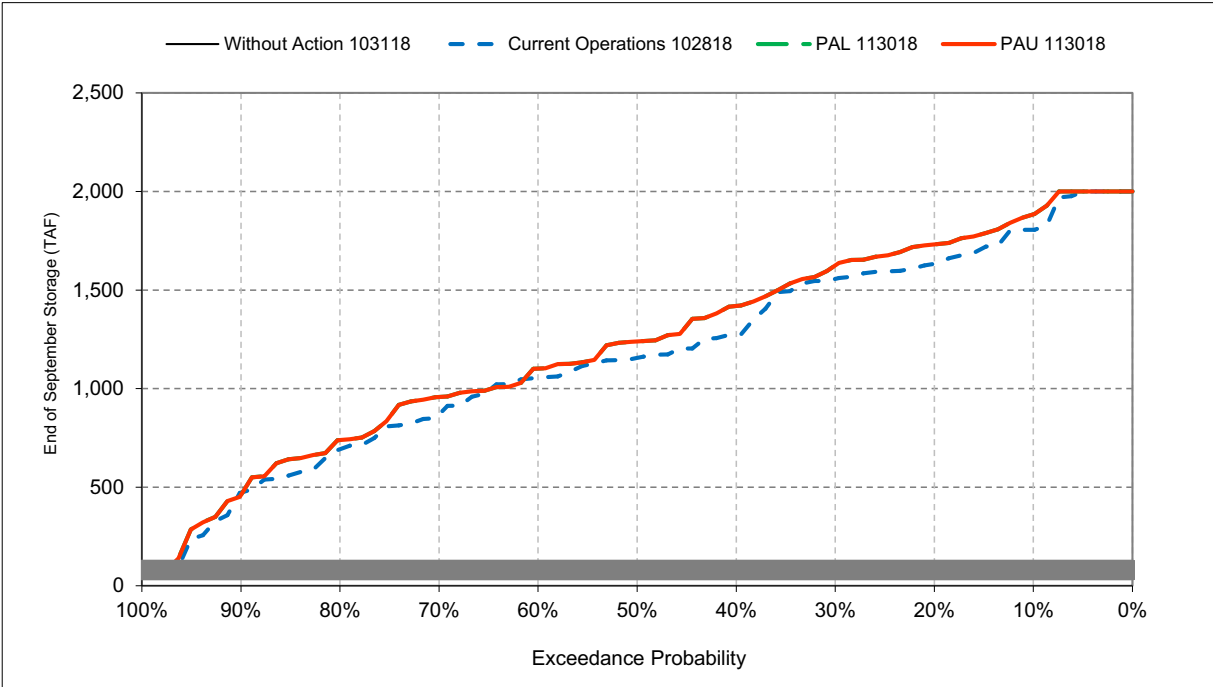
e These are draft results meant for qualitative analysis and are subject to revision.

Table 7a-2. New Melones Reservoir, End of Month Elevation

Without Action **103118**

Statistic	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	715	715	720	768	769	778	793	824	837	743	715	715
20%	715	715	715	718	743	760	773	818	816	719	715	715
30%	715	715	715	715	726	740	760	803	801	715	715	715
40%	715	715	715	715	715	722	729	782	778	715	715	715
50%	715	715	715	715	715	715	718	774	747	715	715	715
60%	715	715	715	715	715	715	715	733	715	715	715	715
70%	715	715	715	715	715	715	715	715	715	715	715	715
80%	715	715	715	715	715	715	715	715	715	715	715	715
90%	715	715	715	715	715	715	715	715	715	715	715	715
Long Term												
Full Simulation Period[a]	715	717	722	728	731	736	740	767	763	724	715	715
Water Year Types[b,c]												
Wet (23%)	715	719	729	757	762	771	773	810	810	743	716	715
Above Normal (24%)	715	715	715	724	737	745	756	807	791	721	715	715
Below Normal (10%)	715	715	715	728	718	718	726	761	768	725	715	715
Dry (16%)	715	723	727	715	715	718	719	734	731	717	715	715
Critical (27%)	715	715	723	715	715	715	715	716	715	715	715	715

PAL 113018

Statistic	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,035	1,036	1,043	1,049	1,050	1,052	1,051	1,054	1,065	1,057	1,047	1,041
20%	1,022	1,022	1,026	1,030	1,033	1,039	1,039	1,046	1,049	1,041	1,031	1,026
30%	1,012	1,013	1,014	1,019	1,027	1,030	1,026	1,034	1,039	1,030	1,020	1,015
40%	989	989	999	1,011	1,018	1,021	1,021	1,018	1,014	1,007	997	994
50%	966	968	977	994	1,001	1,009	1,004	1,002	1,001	990	977	971
60%	952	952	956	963	976	979	982	982	980	970	957	953
70%	930	933	941	949	949	951	952	961	964	952	940	934
80%	888	885	892	898	914	931	928	930	927	918	906	898
90%	838	840	841	856	872	869	857	868	877	864	848	841
Long Term												
Full Simulation Period[a]	952	953	959	967	974	979	978	982	984	974	962	955
Water Year Types[b,c]												
Wet (23%)	1,028	1,029	1,032	1,002	1,014	1,023	1,029	1,045	1,058	1,052	1,040	1,033
Above Normal (24%)	971	972	976	954	965	973	978	992	1,000	990	978	972
Below Normal (10%)	975	976	978	1,002	1,007	1,010	1,006	1,007	1,009	999	987	980
Dry (16%)	934	939	948	975	978	980	975	972	967	955	943	938
Critical (27%)	870	870	879	932	935	934	926	915	907	894	880	874

PAL 113018 minus Without Action **103118**

Statistic	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	320	321	323	280	280	274	258	229	228	314	332	326
20%	307	308	311	311	290	278	266	228	233	322	316	311
30%	298	298	300	304	301	291	267	231	239	315	306	300
40%	275	274	284	296	303	299	292	236	236	292	283	279
50%	252	253	262	279	286	294	286	229	255	275	263	256
60%	237	237	241	248	261	265	267	249	265	256	242	239
70%	215	218	226	234	235	236	237	246	249	237	225	220
80%	174	170	178	183	199	216	214	215	212	204	191	183
90%	123	125	126	142	158	155	142	154	162	149	134	126
Long Term												
Full Simulation Period[a]	237	236	237	239	243	243	238	215	221	249	246	241
Water Year Types[b,c]												
Wet (23%)	314	309	303	245	252	253	256	235	249	308	324	318
Above Normal (24%)	256	257	260	230	228	228	221	185	209	269	263	257
Below Normal (10%)	260	261	263	274	289	292	280	246	242	274	273	266
Dry (16%)	219	216	221	260	263	262	256	238	236	238	229	223
Critical (27%)	155	155	156	217	220	219	211	199	192	179	166	159

a Based on the 82-year simulation period.

b As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

e These are draft results meant for qualitative analysis and are subject to revision.

Table 7a-3. New Melones Reservoir, End of Month Elevation

Without Action **103118**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
						End of Month Elevation (FEET)						
Probability of Exceedance												
10%	715	715	720	768	769	778	793	824	837	743	715	715
20%	715	715	715	718	743	760	773	818	816	719	715	715
30%	715	715	715	715	726	740	760	803	801	715	715	715
40%	715	715	715	715	715	722	729	782	778	715	715	715
50%	715	715	715	715	715	715	718	774	747	715	715	715
60%	715	715	715	715	715	715	715	733	715	715	715	715
70%	715	715	715	715	715	715	715	715	715	715	715	715
80%	715	715	715	715	715	715	715	715	715	715	715	715
90%	715	715	715	715	715	715	715	715	715	715	715	715
Long Term												
Full Simulation Period[a]	715	717	722	728	731	736	740	767	763	724	715	715
Water Year Types[b,c]												
Wet (23%)	715	719	729	757	762	771	773	810	810	743	716	715
Above Normal (24%)	715	715	715	724	737	745	756	807	791	721	715	715
Below Normal (10%)	715	715	715	728	718	718	726	761	768	725	715	715
Dry (16%)	715	723	727	715	715	718	719	734	731	717	715	715
Critical (27%)	715	715	723	715	715	715	715	716	715	715	715	715

PAU 113018

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
						End of Month Elevation (FEET)						
Probability of Exceedance												
10%	1,035	1,036	1,043	1,049	1,050	1,052	1,051	1,054	1,065	1,057	1,047	1,041
20%	1,022	1,022	1,026	1,030	1,033	1,039	1,039	1,046	1,049	1,041	1,031	1,026
30%	1,012	1,013	1,014	1,019	1,027	1,030	1,026	1,034	1,039	1,030	1,020	1,015
40%	989	989	999	1,011	1,018	1,021	1,021	1,018	1,014	1,007	997	994
50%	966	968	977	994	1,001	1,009	1,004	1,002	1,001	990	977	971
60%	952	952	956	963	976	979	982	982	980	970	957	953
70%	930	933	941	949	949	951	952	961	964	952	940	934
80%	888	885	892	898	914	931	928	930	927	918	906	898
90%	838	840	841	856	872	869	857	868	877	864	848	841
Long Term												
Full Simulation Period[a]	952	953	959	967	974	979	978	982	984	974	962	955
Water Year Types[b,c]												
Wet (23%)	1,028	1,029	1,032	1,002	1,014	1,023	1,029	1,045	1,058	1,052	1,040	1,033
Above Normal (24%)	971	972	976	954	965	973	978	992	1,000	990	978	972
Below Normal (10%)	975	976	978	1,002	1,007	1,010	1,006	1,007	1,009	999	987	980
Dry (16%)	934	939	948	975	978	980	975	972	967	955	943	938
Critical (27%)	870	870	879	932	934	934	926	915	907	893	880	874

PAU 113018 minus Without Action **103118**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
						End of Month Elevation (FEET)						
Probability of Exceedance												
10%	320	321	323	280	280	274	258	229	228	314	332	326
20%	307	308	311	311	290	278	266	228	233	322	316	311
30%	298	298	300	304	301	291	267	231	239	315	306	300
40%	275	274	284	296	303	299	292	236	236	292	283	279
50%	252	253	262	279	286	294	286	229	255	275	263	256
60%	237	237	241	248	261	265	267	249	265	256	242	239
70%	215	218	226	234	235	236	237	246	249	237	225	220
80%	174	170	178	183	199	216	214	215	212	204	191	183
90%	123	125	126	142	158	155	142	154	162	149	134	126
Long Term												
Full Simulation Period[a]	237	236	237	239	243	243	238	215	221	249	246	240
Water Year Types[b,c]												
Wet (23%)	314	309	303	245	252	253	256	235	249	308	324	318
Above Normal (24%)	256	257	260	230	228	228	221	185	209	269	263	257
Below Normal (10%)	260	261	263	274	289	292	280	246	242	274	273	266
Dry (16%)	219	216	221	260	263	262	256	238	236	238	229	223
Critical (27%)	155	155	156	217	220	219	211	199	192	179	166	159

a Based on the 82-year simulation period.

b As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

e These are draft results meant for qualitative analysis and are subject to revision.

Table 7a-4. New Melones Reservoir, End of Month Elevation

Current Operations 102818

Statistic	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,029	1,028	1,035	1,040	1,046	1,050	1,047	1,057	1,059	1,050	1,039	1,033
20%	1,013	1,015	1,017	1,021	1,029	1,032	1,036	1,043	1,040	1,032	1,021	1,016
30%	1,006	1,006	1,008	1,012	1,021	1,025	1,021	1,027	1,031	1,023	1,013	1,008
40%	975	976	995	1,004	1,012	1,014	1,012	1,006	1,006	995	983	976
50%	956	957	960	980	996	1,006	998	997	991	977	965	960
60%	943	946	950	959	966	976	976	984	976	966	953	947
70%	925	928	938	942	945	947	951	952	951	939	928	923
80%	879	881	887	887	897	912	918	924	923	912	897	888
90%	835	836	837	846	857	863	864	867	876	863	850	843
Long Term												
Full Simulation Period[a]	944	945	951	958	968	974	973	976	976	965	954	947
Water Year Types[b,c]												
Wet (23%)	1,024	1,025	1,027	996	1,012	1,021	1,026	1,042	1,054	1,047	1,036	1,029
Above Normal (24%)	963	965	969	945	959	970	976	991	994	983	971	965
Below Normal (10%)	963	963	966	990	998	1,001	996	998	999	988	976	969
Dry (16%)	924	929	939	967	970	975	969	965	960	947	935	929
Critical (27%)	858	859	867	922	925	927	917	903	893	881	870	864

PAL 113018

Statistic	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	1,035	1,036	1,043	1,049	1,050	1,052	1,051	1,054	1,065	1,057	1,047	1,041
20%	1,022	1,022	1,026	1,030	1,033	1,039	1,039	1,046	1,049	1,041	1,031	1,026
30%	1,012	1,013	1,014	1,019	1,027	1,030	1,026	1,034	1,039	1,030	1,020	1,015
40%	989	989	999	1,011	1,018	1,021	1,021	1,018	1,014	1,007	997	994
50%	966	968	977	994	1,001	1,009	1,004	1,002	1,001	990	977	971
60%	952	952	956	963	976	979	982	982	980	970	957	953
70%	930	933	941	949	949	951	952	961	964	952	940	934
80%	888	885	892	898	914	931	928	930	927	918	906	898
90%	838	840	841	856	872	869	857	868	877	864	848	841
Long Term												
Full Simulation Period[a]	952	953	959	967	974	979	978	982	984	974	962	955
Water Year Types[b,c]												
Wet (23%)	1,028	1,029	1,032	1,002	1,014	1,023	1,029	1,045	1,058	1,052	1,040	1,033
Above Normal (24%)	971	972	976	954	965	973	978	992	1,000	990	978	972
Below Normal (10%)	975	976	978	1,002	1,007	1,010	1,006	1,007	1,009	999	987	980
Dry (16%)	934	939	948	975	978	980	975	972	967	955	943	938
Critical (27%)	870	870	879	932	935	934	926	915	907	894	880	874

PAL 113018 minus Current Operations 102818

Statistic	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	6	8	8	8	4	1	4	-3	6	7	8	8
20%	8	7	9	8	4	6	3	4	9	9	9	10
30%	7	7	6	7	6	5	5	7	8	7	8	7
40%	14	13	4	7	6	7	10	12	8	11	14	18
50%	10	11	17	14	5	3	6	6	10	13	13	11
60%	8	6	5	4	10	4	6	-1	4	4	3	6
70%	5	4	3	7	4	3	1	9	13	13	12	12
80%	10	3	6	11	17	19	11	5	4	6	9	10
90%	3	4	4	10	15	6	-8	2	2	1	-2	-2
Long Term												
Full Simulation Period[a]	8	8	8	8	6	5	5	6	8	8	8	8
Water Year Types[b,c]												
Wet (23%)	4	4	4	6	2	3	3	2	5	4	4	4
Above Normal (24%)	7	7	7	9	5	2	2	1	6	7	7	7
Below Normal (10%)	12	12	12	12	10	8	10	9	10	11	11	12
Dry (16%)	9	9	9	8	8	6	6	6	7	8	8	9
Critical (27%)	11	11	11	9	9	7	9	12	14	13	10	10

a Based on the 82-year simulation period.

b As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

e These are draft results meant for qualitative analysis and are subject to revision.

Table 7a-5. New Melones Reservoir, End of Month Elevation

Current Operations 102818

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
End of Month Elevation (FEET)												
Probability of Exceedance												
10%	1,029	1,028	1,035	1,040	1,046	1,050	1,047	1,057	1,059	1,050	1,039	1,033
20%	1,013	1,015	1,017	1,021	1,029	1,032	1,036	1,043	1,040	1,032	1,021	1,016
30%	1,006	1,006	1,008	1,012	1,021	1,025	1,021	1,027	1,031	1,023	1,013	1,008
40%	975	976	995	1,004	1,012	1,014	1,012	1,006	1,006	995	983	976
50%	956	957	960	980	996	1,006	998	997	991	977	965	960
60%	943	946	950	959	966	976	976	984	976	966	953	947
70%	925	928	938	942	945	947	951	952	951	939	928	923
80%	879	881	887	887	897	912	918	924	923	912	897	888
90%	835	836	837	846	857	863	864	867	876	863	850	843
Long Term												
Full Simulation Period[a]	944	945	951	958	968	974	973	976	976	965	954	947
Water Year Types[b,c]												
Wet (23%)	1,024	1,025	1,027	996	1,012	1,021	1,026	1,042	1,054	1,047	1,036	1,029
Above Normal (24%)	963	965	969	945	959	970	976	991	994	983	971	965
Below Normal (10%)	963	963	966	990	998	1,001	996	998	999	988	976	969
Dry (16%)	924	929	939	967	970	975	969	965	960	947	935	929
Critical (27%)	858	859	867	922	925	927	917	903	893	881	870	864

PAU 113018

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
End of Month Elevation (FEET)												
Probability of Exceedance												
10%	1,035	1,036	1,043	1,049	1,050	1,052	1,051	1,054	1,065	1,057	1,047	1,041
20%	1,022	1,022	1,026	1,030	1,033	1,039	1,039	1,046	1,049	1,041	1,031	1,026
30%	1,012	1,013	1,014	1,019	1,027	1,030	1,026	1,034	1,039	1,030	1,020	1,015
40%	989	989	999	1,011	1,018	1,021	1,021	1,018	1,014	1,007	997	994
50%	966	968	977	994	1,001	1,009	1,004	1,002	1,001	990	977	971
60%	952	952	956	963	976	979	982	982	980	970	957	953
70%	930	933	941	949	949	951	952	961	964	952	940	934
80%	888	885	892	898	914	931	928	930	927	918	906	898
90%	838	840	841	856	872	869	857	868	877	864	848	841
Long Term												
Full Simulation Period[a]	952	953	959	967	974	979	978	982	984	974	962	955
Water Year Types[b,c]												
Wet (23%)	1,028	1,029	1,032	1,002	1,014	1,023	1,029	1,045	1,058	1,052	1,040	1,033
Above Normal (24%)	971	972	976	954	965	973	978	992	1,000	990	978	972
Below Normal (10%)	975	976	978	1,002	1,007	1,010	1,006	1,007	1,009	999	987	980
Dry (16%)	934	939	948	975	978	980	975	972	967	955	943	938
Critical (27%)	870	870	879	932	934	934	926	915	907	893	880	874

PAU 113018 minus Current Operations 102818

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
End of Month Elevation (FEET)												
Probability of Exceedance												
10%	6	8	8	8	4	1	4	-3	6	7	8	8
20%	8	7	9	8	4	6	3	4	9	9	9	10
30%	7	7	6	7	6	5	5	7	8	7	8	7
40%	14	13	4	7	6	7	10	12	8	11	14	18
50%	10	11	17	14	5	3	6	6	10	13	13	11
60%	8	6	5	4	10	4	6	-1	4	4	3	6
70%	5	4	3	7	4	3	1	9	13	13	12	12
80%	10	3	6	11	17	19	11	5	4	6	9	10
90%	3	4	4	10	15	6	-8	2	2	1	-2	-2
Long Term												
Full Simulation Period[a]	8	8	8	8	6	5	5	6	8	8	8	8
Water Year Types[b,c]												
Wet (23%)	4	4	4	6	2	3	3	2	5	4	4	4
Above Normal (24%)	7	7	7	9	5	2	2	1	6	7	7	7
Below Normal (10%)	12	12	12	12	10	8	10	9	10	11	11	12
Dry (16%)	9	9	9	8	8	6	6	6	7	8	8	9
Critical (27%)	11	11	11	9	9	7	9	12	14	13	10	10

a Based on the 82-year simulation period.

b As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

e These are draft results meant for qualitative analysis and are subject to revision.

Figure 7a-1. New Melones Reservoir, Reservoir Pool Elevation, May
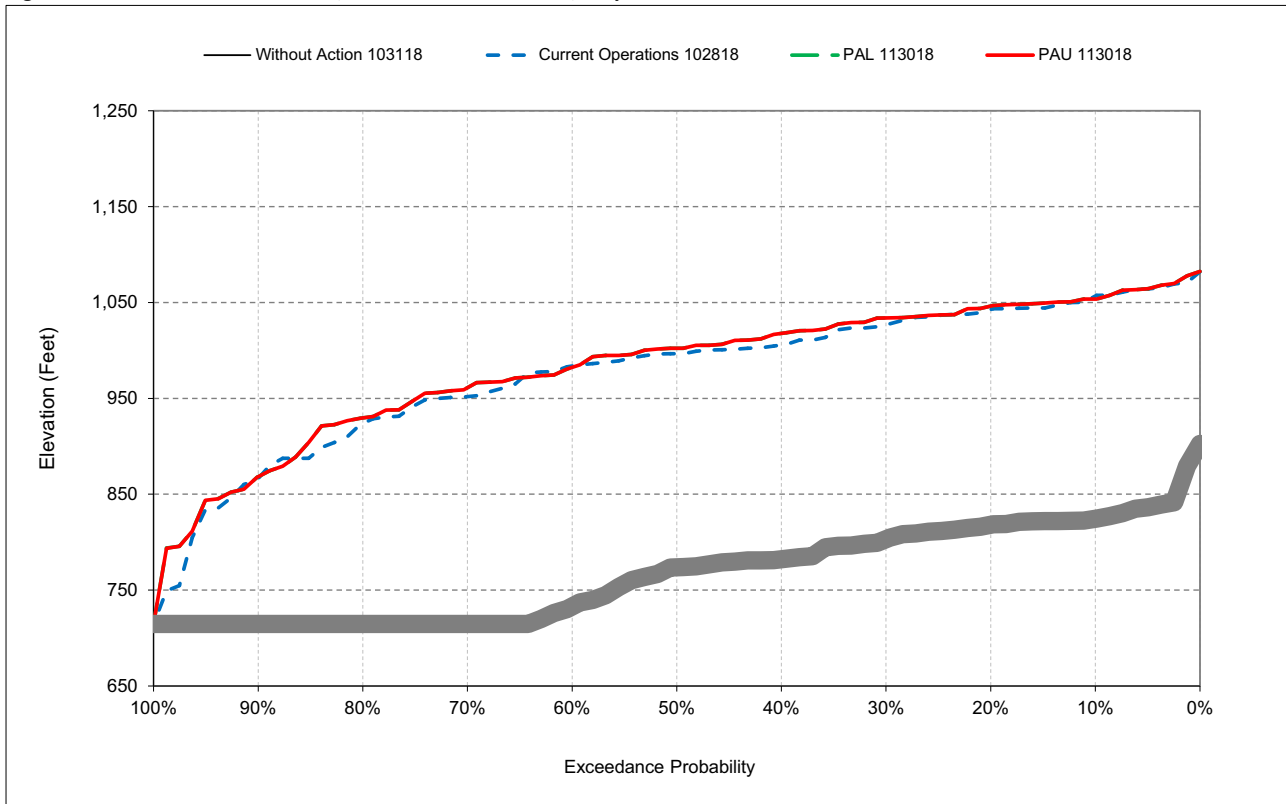
*All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

*These are draft results meant for qualitative analysis and are subject to revision.

Figure 7a-2. New Melones Reservoir, Reservoir Pool Elevation, September

*All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

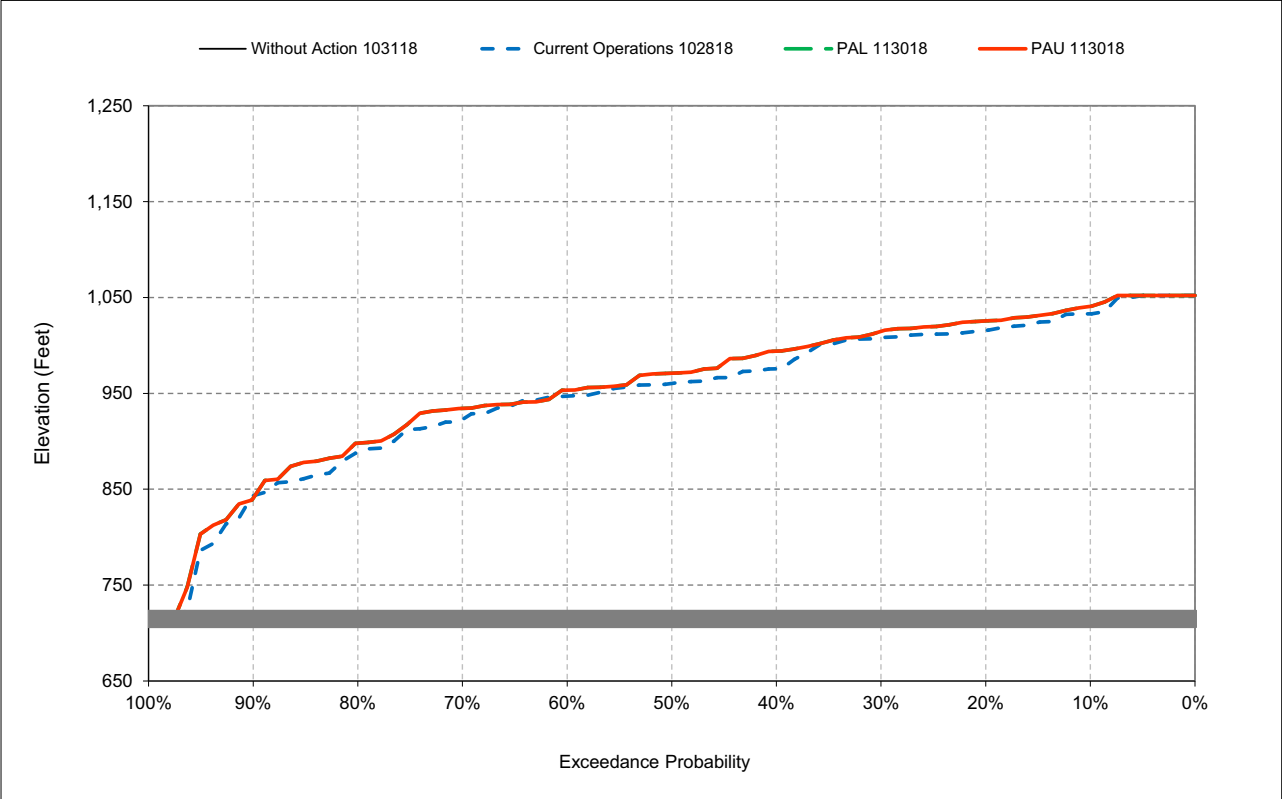*These are draft results meant for qualitative analysis and are subject to revision.

Table 8-1. Millerton Lake Storage, End of Month Storage

Without Action **103118**

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	120	120	120	120	120	120	149	120	120	120	120	120
20%	120	120	120	120	120	120	136	120	120	120	120	120
30%	120	120	120	120	120	120	124	120	120	120	120	120
40%	120	120	120	120	120	120	120	120	120	120	120	120
50%	120	120	120	120	120	120	120	120	120	120	120	120
60%	120	120	120	120	120	120	120	120	120	120	120	120
70%	120	120	120	120	120	120	120	120	120	120	120	120
80%	120	120	120	120	120	120	120	120	120	120	120	120
90%	120	120	120	120	120	120	120	120	120	120	120	120
Long Term												
Full Simulation Period[a]	120	120	120	120	120	120	127	120	122	120	120	120
Water Year Types[b,c]												
Wet (23%)	120	120	120	120	120	120	131	120	128	120	120	120
Above Normal (24%)	120	120	120	120	120	120	125	120	120	120	120	120
Below Normal (10%)	120	120	120	120	120	120	126	120	120	120	120	120
Dry (16%)	120	120	120	120	120	120	131	120	120	120	120	120
Critical (27%)	120	120	120	120	120	120	124	120	119	120	120	120

Current Operations 102818

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	258	292	374	439	439	479	488	524	524	495	311	258
20%	224	267	318	412	439	479	447	523	521	433	260	213
30%	211	250	293	351	439	472	421	479	503	361	210	194
40%	197	223	270	333	419	436	396	455	477	323	188	183
50%	189	210	252	303	383	396	373	430	418	283	178	179
60%	178	194	232	288	339	368	344	403	394	257	169	175
70%	172	176	213	258	315	326	308	382	364	228	162	172
80%	162	168	197	232	266	274	268	332	313	195	158	168
90%	155	154	172	187	204	205	225	245	246	163	136	159
Long Term												
Full Simulation Period[a]	199	220	261	310	353	372	359	415	411	307	207	195
Water Year Types[b,c]												
Wet (23%)	256	279	311	382	426	448	360	428	509	464	312	256
Above Normal (24%)	202	241	291	340	417	447	404	491	496	355	210	184
Below Normal (10%)	192	209	244	297	354	360	348	401	393	283	185	180
Dry (16%)	177	202	246	302	327	343	386	426	372	231	162	181
Critical (27%)	161	162	202	231	247	260	306	334	278	182	148	168

Current Operations 102818 minus Without Action **103118**

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	138	172	254	319	319	359	338	404	404	375	191	138
20%	104	147	198	292	319	359	310	403	401	313	140	93
30%	91	130	173	231	319	352	297	359	383	241	90	74
40%	77	103	150	213	299	316	276	335	357	203	68	63
50%	69	90	132	183	263	276	253	310	298	163	58	59
60%	58	74	112	168	219	248	224	283	274	137	49	55
70%	52	56	93	138	195	206	188	262	244	108	42	52
80%	42	48	77	112	146	154	148	212	193	75	38	48
90%	35	34	52	67	84	85	105	125	126	43	16	39
Long Term												
Full Simulation Period[a]	79	100	141	190	233	252	232	295	289	187	87	75
Water Year Types[b,c]												
Wet (23%)	136	159	191	262	306	328	229	308	381	344	192	136
Above Normal (24%)	82	121	171	220	297	327	279	371	376	235	90	64
Below Normal (10%)	72	89	124	177	234	240	222	281	273	163	65	60
Dry (16%)	57	82	126	182	207	223	255	306	252	111	42	61
Critical (27%)	41	42	82	111	127	140	182	214	159	62	28	48

a Based on the 82-year simulation period.

b As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

e These are draft results meant for qualitative analysis and are subject to revision.

Table 8-2. Millerton Lake Storage, End of Month Storage

Without Action **103118**

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	120	120	120	120	120	120	149	120	120	120	120	120
20%	120	120	120	120	120	120	136	120	120	120	120	120
30%	120	120	120	120	120	120	124	120	120	120	120	120
40%	120	120	120	120	120	120	120	120	120	120	120	120
50%	120	120	120	120	120	120	120	120	120	120	120	120
60%	120	120	120	120	120	120	120	120	120	120	120	120
70%	120	120	120	120	120	120	120	120	120	120	120	120
80%	120	120	120	120	120	120	120	120	120	120	120	120
90%	120	120	120	120	120	120	120	120	120	120	120	120
Long Term												
Full Simulation Period[a]	120	120	120	120	120	120	127	120	122	120	120	120
Water Year Types[b,c]												
Wet (23%)	120	120	120	120	120	120	131	120	128	120	120	120
Above Normal (24%)	120	120	120	120	120	120	125	120	120	120	120	120
Below Normal (10%)	120	120	120	120	120	120	126	120	120	120	120	120
Dry (16%)	120	120	120	120	120	120	131	120	120	120	120	120
Critical (27%)	120	120	120	120	120	120	124	120	119	120	120	120

PAL 113018

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	258	292	374	439	439	479	488	524	524	495	311	258
20%	224	267	318	412	439	479	447	523	521	433	260	213
30%	211	250	293	351	439	472	421	479	503	361	210	194
40%	197	223	270	333	419	436	396	455	477	323	188	183
50%	189	210	252	303	383	396	374	430	418	283	178	179
60%	178	194	232	288	339	368	344	403	394	257	169	175
70%	172	176	213	258	315	326	308	383	364	228	162	172
80%	162	168	197	232	266	274	268	332	313	195	158	168
90%	155	154	172	187	204	205	225	245	246	163	136	159
Long Term												
Full Simulation Period[a]	199	220	261	310	353	372	360	415	411	307	207	195
Water Year Types[b,c]												
Wet (23%)	256	279	311	382	426	448	360	428	509	464	312	256
Above Normal (24%)	202	241	291	340	417	447	404	491	496	355	210	184
Below Normal (10%)	192	209	244	297	354	360	348	401	393	283	185	180
Dry (16%)	177	202	246	302	327	343	386	426	372	231	162	181
Critical (27%)	161	162	202	231	247	260	306	334	278	182	148	168

PAL 113018 minus Without Action **103118**

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	138	172	254	319	319	359	338	404	404	375	191	138
20%	104	147	198	292	319	359	310	403	401	313	140	93
30%	91	130	173	231	319	352	297	359	383	241	90	74
40%	77	103	150	213	299	316	276	335	357	203	68	63
50%	69	90	132	183	263	276	254	310	298	163	58	59
60%	58	74	112	168	219	248	224	283	274	137	49	55
70%	52	56	93	138	195	206	188	263	244	108	42	52
80%	42	48	77	112	146	154	148	212	193	75	38	48
90%	35	34	52	67	84	85	105	125	126	43	16	39
Long Term												
Full Simulation Period[a]	79	100	141	190	233	252	232	295	289	187	87	75
Water Year Types[b,c]												
Wet (23%)	136	159	191	262	306	328	230	308	381	344	192	136
Above Normal (24%)	82	121	171	220	297	327	279	371	376	235	90	64
Below Normal (10%)	72	89	124	177	234	240	222	281	273	163	65	60
Dry (16%)	57	82	126	182	207	223	255	306	252	111	42	61
Critical (27%)	41	42	82	111	127	140	182	214	159	62	28	48

a Based on the 82-year simulation period.

b As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

e These are draft results meant for qualitative analysis and are subject to revision.

Table 8-3. Millerton Lake Storage, End of Month Storage

Without Action **103118**

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	120	120	120	120	120	120	149	120	120	120	120	120
20%	120	120	120	120	120	120	136	120	120	120	120	120
30%	120	120	120	120	120	120	124	120	120	120	120	120
40%	120	120	120	120	120	120	120	120	120	120	120	120
50%	120	120	120	120	120	120	120	120	120	120	120	120
60%	120	120	120	120	120	120	120	120	120	120	120	120
70%	120	120	120	120	120	120	120	120	120	120	120	120
80%	120	120	120	120	120	120	120	120	120	120	120	120
90%	120	120	120	120	120	120	120	120	120	120	120	120
Long Term												
Full Simulation Period[a]	120	120	120	120	120	120	127	120	122	120	120	120
Water Year Types[b,c]												
Wet (23%)	120	120	120	120	120	120	131	120	128	120	120	120
Above Normal (24%)	120	120	120	120	120	120	125	120	120	120	120	120
Below Normal (10%)	120	120	120	120	120	120	126	120	120	120	120	120
Dry (16%)	120	120	120	120	120	120	131	120	120	120	120	120
Critical (27%)	120	120	120	120	120	120	124	120	119	120	120	120

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Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	258	292	374	439	439	479	488	524	524	495	311	258
20%	224	267	318	412	439	479	447	523	521	433	260	213
30%	211	250	293	351	439	472	421	479	503	361	210	194
40%	197	223	270	333	419	436	396	455	477	323	188	183
50%	189	210	252	303	383	396	374	430	418	283	178	179
60%	178	194	232	288	339	368	344	403	394	257	169	175
70%	172	176	213	258	315	326	308	383	364	228	162	172
80%	162	168	197	232	266	274	268	332	313	195	158	168
90%	155	154	172	187	204	205	225	245	246	163	136	159
Long Term												
Full Simulation Period[a]	199	220	261	310	353	372	360	415	411	307	207	195
Water Year Types[b,c]												
Wet (23%)	256	279	311	382	426	448	360	428	509	464	312	256
Above Normal (24%)	202	241	291	340	417	447	404	491	496	355	210	184
Below Normal (10%)	192	209	244	297	354	360	348	401	393	283	185	180
Dry (16%)	177	202	246	302	327	343	386	426	372	231	162	181
Critical (27%)	161	162	202	231	247	260	306	334	278	182	148	168

PAU 113018 minus Without Action **103118**

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	138	172	254	319	319	359	338	404	404	375	191	138
20%	104	147	198	292	319	359	310	403	401	313	140	93
30%	91	130	173	231	319	352	297	359	383	241	90	74
40%	77	103	150	213	299	316	276	335	357	203	68	63
50%	69	90	132	183	263	276	254	310	298	163	58	59
60%	58	74	112	168	219	248	224	283	274	137	49	55
70%	52	56	93	138	195	206	188	263	244	108	42	52
80%	42	48	77	112	146	154	148	212	193	75	38	48
90%	35	34	52	67	84	85	105	125	126	43	16	39
Long Term												
Full Simulation Period[a]	79	100	141	190	233	252	232	295	289	187	87	75
Water Year Types[b,c]												
Wet (23%)	136	159	191	262	306	328	230	308	381	344	192	136
Above Normal (24%)	82	121	171	220	297	327	279	371	376	235	90	64
Below Normal (10%)	72	89	124	177	234	240	222	281	273	163	65	60
Dry (16%)	57	82	126	182	207	223	255	306	252	111	42	61
Critical (27%)	41	42	82	111	127	140	182	214	159	62	28	48

a Based on the 82-year simulation period.

b As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

e These are draft results meant for qualitative analysis and are subject to revision.

Table 8-4. Millerton Lake Storage, End of Month Storage

Current Operations 102818

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Storage (TAF)
Probability of Exceedance												
10%	258	292	374	439	439	479	488	524	524	495	311	258
20%	224	267	318	412	439	479	447	523	521	433	260	213
30%	211	250	293	351	439	472	421	479	503	361	210	194
40%	197	223	270	333	419	436	396	455	477	323	188	183
50%	189	210	252	303	383	396	373	430	418	283	178	179
60%	178	194	232	288	339	368	344	403	394	257	169	175
70%	172	176	213	258	315	326	308	382	364	228	162	172
80%	162	168	197	232	266	274	268	332	313	195	158	168
90%	155	154	172	187	204	205	225	245	246	163	136	159
Long Term												
Full Simulation Period[a]	199	220	261	310	353	372	359	415	411	307	207	195
Water Year Types[b,c]												
Wet (23%)	256	279	311	382	426	448	360	428	509	464	312	256
Above Normal (24%)	202	241	291	340	417	447	404	491	496	355	210	184
Below Normal (10%)	192	209	244	297	354	360	348	401	393	283	185	180
Dry (16%)	177	202	246	302	327	343	386	426	372	231	162	181
Critical (27%)	161	162	202	231	247	260	306	334	278	182	148	168

PAL 113018

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Storage (TAF)
Probability of Exceedance												
10%	258	292	374	439	439	479	488	524	524	495	311	258
20%	224	267	318	412	439	479	447	523	521	433	260	213
30%	211	250	293	351	439	472	421	479	503	361	210	194
40%	197	223	270	333	419	436	396	455	477	323	188	183
50%	189	210	252	303	383	396	374	430	418	283	178	179
60%	178	194	232	288	339	368	344	403	394	257	169	175
70%	172	176	213	258	315	326	308	383	364	228	162	172
80%	162	168	197	232	266	274	268	332	313	195	158	168
90%	155	154	172	187	204	205	225	245	246	163	136	159
Long Term												
Full Simulation Period[a]	199	220	261	310	353	372	360	415	411	307	207	195
Water Year Types[b,c]												
Wet (23%)	256	279	311	382	426	448	360	428	509	464	312	256
Above Normal (24%)	202	241	291	340	417	447	404	491	496	355	210	184
Below Normal (10%)	192	209	244	297	354	360	348	401	393	283	185	180
Dry (16%)	177	202	246	302	327	343	386	426	372	231	162	181
Critical (27%)	161	162	202	231	247	260	306	334	278	182	148	168

PAL 113018 minus Current Operations 102818

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Storage (TAF)
Probability of Exceedance												
10%	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	**0**	0	**0**
30%	0	0	**0**	0	0	0	0	0	0	0	0	**0**
40%	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	**0**	0	0	**0**	1	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	1	**0**	**0**	0	**0**
80%	0	0	0	0	0	0	0	0	0	0	**0**	0
90%	0	0	0	0	0	0	0	0	0	0	**0**	0
Long Term												
Full Simulation Period[a]	**0**	**0**	**0**	**0**	**0**	**0**	0	0	**0**	**0**	**0**	**0**
Water Year Types[b,c]												
Wet (23%)	**0**	**0**	**0**	**0**	0	0	0	0	**0**	**0**	**0**	**0**
Above Normal (24%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (10%)	0	0	0	0	0	0	0	0	0	0	0	0
Dry (16%)	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Critical (27%)	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 San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

e These are draft results meant for qualitative analysis and are subject to revision.

Table 8-5. Millerton Lake Storage, End of Month Storage

Current Operations 102818

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	258	292	374	439	439	479	488	524	524	495	311	258
20%	224	267	318	412	439	479	447	523	521	433	260	213
30%	211	250	293	351	439	472	421	479	503	361	210	194
40%	197	223	270	333	419	436	396	455	477	323	188	183
50%	189	210	252	303	383	396	373	430	418	283	178	179
60%	178	194	232	288	339	368	344	403	394	257	169	175
70%	172	176	213	258	315	326	308	382	364	228	162	172
80%	162	168	197	232	266	274	268	332	313	195	158	168
90%	155	154	172	187	204	205	225	245	246	163	136	159
Long Term												
Full Simulation Period[a]	199	220	261	310	353	372	359	415	411	307	207	195
Water Year Types[b,c]												
Wet (23%)	256	279	311	382	426	448	360	428	509	464	312	256
Above Normal (24%)	202	241	291	340	417	447	404	491	496	355	210	184
Below Normal (10%)	192	209	244	297	354	360	348	401	393	283	185	180
Dry (16%)	177	202	246	302	327	343	386	426	372	231	162	181
Critical (27%)	161	162	202	231	247	260	306	334	278	182	148	168

PAU 113018

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	258	292	374	439	439	479	488	524	524	495	311	258
20%	224	267	318	412	439	479	447	523	521	433	260	213
30%	211	250	293	351	439	472	421	479	503	361	210	194
40%	197	223	270	333	419	436	396	455	477	323	188	183
50%	189	210	252	303	383	396	374	430	418	283	178	179
60%	178	194	232	288	339	368	344	403	394	257	169	175
70%	172	176	213	258	315	326	308	383	364	228	162	172
80%	162	168	197	232	266	274	268	332	313	195	158	168
90%	155	154	172	187	204	205	225	245	246	163	136	159
Long Term												
Full Simulation Period[a]	199	220	261	310	353	372	360	415	411	307	207	195
Water Year Types[b,c]												
Wet (23%)	256	279	311	382	426	448	360	428	509	464	312	256
Above Normal (24%)	202	241	291	340	417	447	404	491	496	355	210	184
Below Normal (10%)	192	209	244	297	354	360	348	401	393	283	185	180
Dry (16%)	177	202	246	302	327	343	386	426	372	231	162	181
Critical (27%)	161	162	202	231	247	260	306	334	278	182	148	168

PAU 113018 minus Current Operations 102818

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	1	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	1	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b,c]												
Wet (23%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (24%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (10%)	0	0	0	0	0	0	0	0	0	0	0	0
Dry (16%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical (27%)	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 San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.
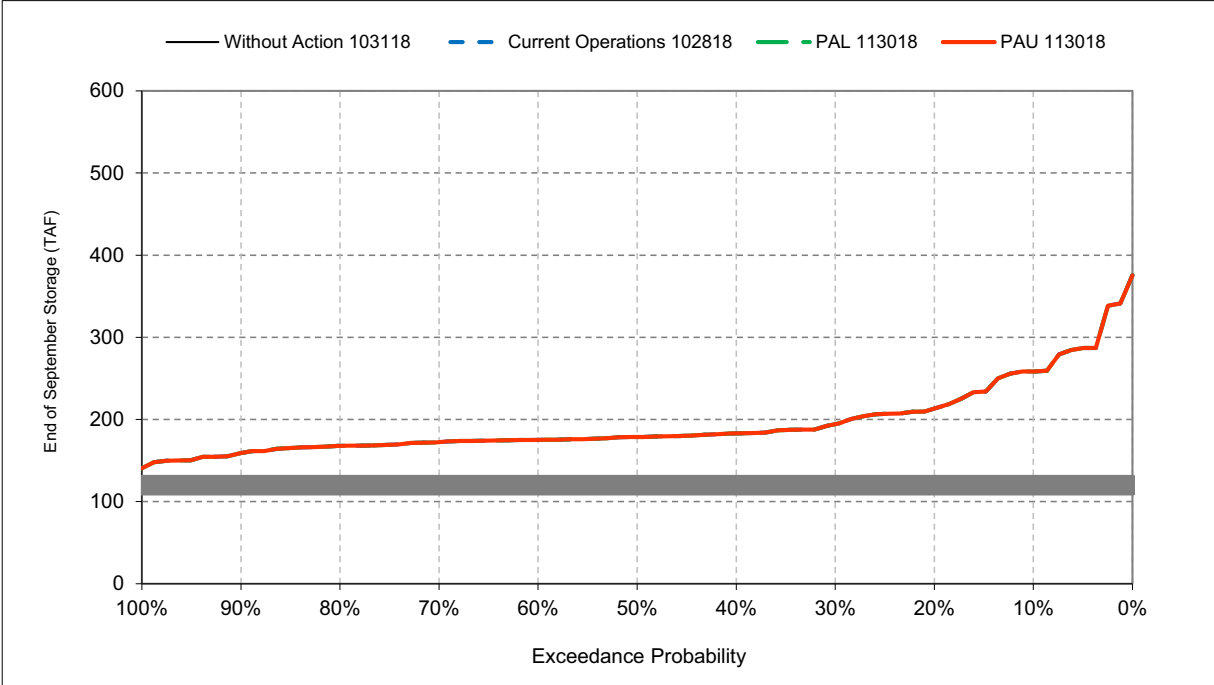
e These are draft results meant for qualitative analysis and are subject to revision.

Figure 8-1. Millerton Storage, End of May Storage
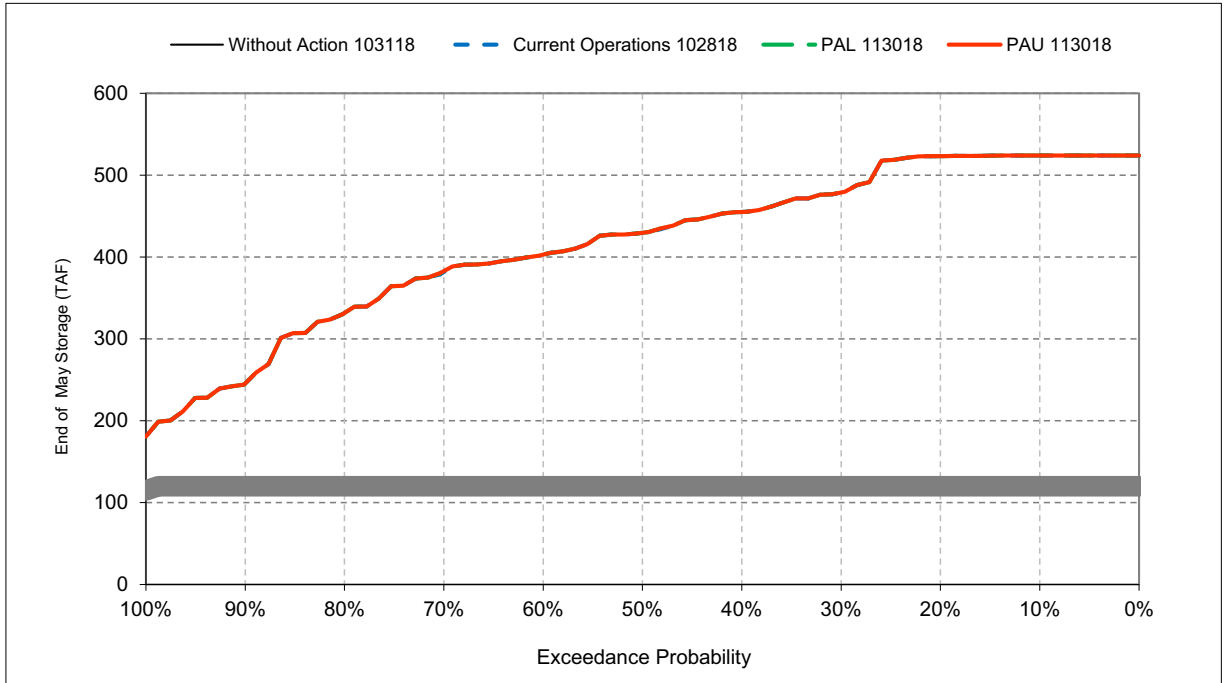
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

*These are draft results meant for qualitative analysis and are subject to revision.

Figure 8-2. Millerton Storage, End of September Storage

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

*All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

*These are draft results meant for qualitative analysis and are subject to revision.

Table 8a-1. Millerton Lake Elevation, End of Month Elevation

Without Action **103118**

Statistic	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	459	459	459	459	459	459	473	459	459	459	459	459
20%	459	459	459	459	459	459	467	459	459	459	459	459
30%	459	459	459	459	459	459	461	459	459	459	459	459
40%	459	459	459	459	459	459	459	459	459	459	459	459
50%	459	459	459	459	459	459	459	459	459	459	459	459
60%	459	459	459	459	459	459	459	459	459	459	459	459
70%	459	459	459	459	459	459	459	459	459	459	459	459
80%	459	459	459	459	459	459	459	459	459	459	459	459
90%	459	459	459	459	459	459	459	459	459	459	459	459
Long Term												
Full Simulation Period[a]	459	459	459	459	459	459	462	459	460	459	459	459
Water Year Types[b,c]												
Wet (23%)	459	459	459	459	459	459	464	459	462	459	459	459
Above Normal (24%)	459	459	459	459	459	459	461	459	459	459	459	459
Below Normal (10%)	459	459	459	459	459	459	462	459	459	459	459	459
Dry (16%)	459	459	459	459	459	459	464	459	459	459	459	459
Critical (27%)	459	459	459	459	459	459	461	459	459	459	459	459

Current Operations 102818

Statistic	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	515	524	546	561	561	568	570	577	577	571	530	515
20%	503	517	532	555	561	568	562	577	576	559	515	499
30%	498	512	525	540	561	567	557	568	573	543	498	493
40%	493	502	518	536	556	560	551	564	568	533	490	488
50%	491	498	513	528	549	551	546	559	556	522	486	486
60%	486	492	506	523	537	545	539	553	551	514	482	484
70%	483	485	499	514	531	534	529	548	544	504	479	483
80%	479	481	493	506	517	519	517	536	531	493	477	481
90%	475	475	483	490	496	496	503	510	510	479	467	477
Long Term												
Full Simulation Period[a]	493	500	513	527	538	542	540	553	552	524	494	491
Water Year Types[b,c]												
Wet (23%)	512	520	529	547	558	562	539	556	574	565	528	512
Above Normal (24%)	495	508	523	536	555	562	552	570	572	541	497	487
Below Normal (10%)	492	497	509	524	540	542	539	552	550	521	488	487
Dry (16%)	485	493	508	526	533	535	546	556	545	505	479	487
Critical (27%)	478	479	493	503	508	511	526	533	518	486	472	482

Current Operations 102818 minus Without Action **103118**

Statistic	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	56	65	87	102	102	109	97	118	118	112	71	56
20%	44	58	73	96	102	109	95	118	117	100	56	40
30%	39	53	66	81	102	108	96	109	114	84	39	34
40%	34	43	59	77	97	101	92	105	109	74	31	29
50%	32	39	54	69	90	92	87	100	97	63	27	27
60%	27	33	47	64	78	86	80	94	92	55	23	25
70%	24	26	40	55	72	75	70	89	85	45	20	24
80%	20	22	34	47	58	60	58	77	72	34	18	22
90%	16	16	24	31	37	37	44	51	51	20	8	18
Long Term												
Full Simulation Period[a]	34	41	54	68	79	83	77	94	92	65	35	32
Water Year Types[b,c]												
Wet (23%)	53	61	70	88	99	103	74	97	112	106	69	53
Above Normal (24%)	36	49	64	77	96	103	90	111	113	82	38	28
Below Normal (10%)	33	38	50	65	81	83	77	93	91	62	29	28
Dry (16%)	26	34	49	67	74	76	81	97	86	46	20	28
Critical (27%)	19	20	34	44	49	52	65	74	60	27	13	23

a Based on the 82-year simulation period.

b As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

e These are draft results meant for qualitative analysis and are subject to revision.

Table 8a-2. Millerton Lake Elevation, End of Month Elevation

Without Action **103118**

Statistic	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	459	459	459	459	459	459	473	459	459	459	459	459
20%	459	459	459	459	459	459	467	459	459	459	459	459
30%	459	459	459	459	459	459	461	459	459	459	459	459
40%	459	459	459	459	459	459	459	459	459	459	459	459
50%	459	459	459	459	459	459	459	459	459	459	459	459
60%	459	459	459	459	459	459	459	459	459	459	459	459
70%	459	459	459	459	459	459	459	459	459	459	459	459
80%	459	459	459	459	459	459	459	459	459	459	459	459
90%	459	459	459	459	459	459	459	459	459	459	459	459
Long Term												
Full Simulation Period[a]	459	459	459	459	459	459	462	459	460	459	459	459
Water Year Types[b,c]												
Wet (23%)	459	459	459	459	459	459	464	459	462	459	459	459
Above Normal (24%)	459	459	459	459	459	459	461	459	459	459	459	459
Below Normal (10%)	459	459	459	459	459	459	462	459	459	459	459	459
Dry (16%)	459	459	459	459	459	459	464	459	459	459	459	459
Critical (27%)	459	459	459	459	459	459	461	459	459	459	459	459

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Statistic	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	515	524	546	561	561	568	570	577	577	571	530	515
20%	503	517	532	555	561	568	562	577	576	559	515	499
30%	498	512	525	540	561	567	557	568	573	543	498	493
40%	493	502	518	536	556	560	551	564	568	533	490	488
50%	491	498	513	528	549	551	546	559	556	522	486	486
60%	486	492	506	523	537	545	539	553	551	514	482	484
70%	483	485	499	514	531	534	529	549	544	504	479	483
80%	479	481	493	506	517	519	517	536	531	493	477	481
90%	475	475	483	490	496	496	503	510	510	479	467	477
Long Term												
Full Simulation Period[a]	493	500	513	527	538	542	540	553	552	524	494	491
Water Year Types[b,c]												
Wet (23%)	512	520	529	547	558	562	539	556	574	565	528	512
Above Normal (24%)	495	508	523	536	555	562	552	570	572	541	497	487
Below Normal (10%)	492	497	509	524	540	542	539	552	550	521	488	487
Dry (16%)	485	493	508	526	533	535	546	556	545	505	479	487
Critical (27%)	478	479	493	503	508	511	526	533	518	486	472	482

PAL 113018 minus Without Action **103118**

Statistic	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	56	65	87	102	102	109	97	118	118	112	71	56
20%	44	58	73	96	102	109	95	118	117	100	56	40
30%	39	53	66	81	102	108	96	109	114	84	39	34
40%	34	43	59	77	97	101	92	105	109	74	31	29
50%	32	39	54	69	90	92	87	100	97	63	27	27
60%	27	33	47	64	78	86	80	94	92	55	23	25
70%	24	26	40	55	72	75	70	90	85	45	20	24
80%	20	22	34	47	58	60	58	77	72	34	18	22
90%	16	16	24	31	37	37	44	51	51	20	8	18
Long Term												
Full Simulation Period[a]	34	41	54	68	79	83	77	94	92	65	35	32
Water Year Types[b,c]												
Wet (23%)	53	61	70	88	99	103	74	97	112	106	69	53
Above Normal (24%)	36	49	64	77	96	103	90	111	113	82	38	28
Below Normal (10%)	33	38	50	65	81	83	77	93	91	62	29	28
Dry (16%)	26	34	49	67	74	76	81	97	86	46	20	28
Critical (27%)	19	20	34	44	49	52	65	74	60	27	13	23

a Based on the 82-year simulation period.

b As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

e These are draft results meant for qualitative analysis and are subject to revision.

Table 8a-3. Millerton Lake Elevation, End of Month Elevation

Without Action **103118**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
End of Month Elevation (FEET)												
Probability of Exceedance												
10%	459	459	459	459	459	459	473	459	459	459	459	459
20%	459	459	459	459	459	459	467	459	459	459	459	459
30%	459	459	459	459	459	459	461	459	459	459	459	459
40%	459	459	459	459	459	459	459	459	459	459	459	459
50%	459	459	459	459	459	459	459	459	459	459	459	459
60%	459	459	459	459	459	459	459	459	459	459	459	459
70%	459	459	459	459	459	459	459	459	459	459	459	459
80%	459	459	459	459	459	459	459	459	459	459	459	459
90%	459	459	459	459	459	459	459	459	459	459	459	459
Long Term												
Full Simulation Period[a]	459	459	459	459	459	459	462	459	460	459	459	459
Water Year Types[b,c]												
Wet (23%)	459	459	459	459	459	459	464	459	462	459	459	459
Above Normal (24%)	459	459	459	459	459	459	461	459	459	459	459	459
Below Normal (10%)	459	459	459	459	459	459	462	459	459	459	459	459
Dry (16%)	459	459	459	459	459	459	464	459	459	459	459	459
Critical (27%)	459	459	459	459	459	459	461	459	459	459	459	459

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Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
End of Month Elevation (FEET)												
Probability of Exceedance												
10%	515	524	546	561	561	568	570	577	577	571	530	515
20%	503	517	532	555	561	568	562	577	576	559	515	499
30%	498	512	525	540	561	567	557	568	573	543	498	493
40%	493	502	518	536	556	560	551	564	568	533	490	488
50%	491	498	513	528	549	551	546	559	556	522	486	486
60%	486	492	506	523	537	545	539	553	551	514	482	484
70%	483	485	499	514	531	534	529	549	544	504	479	483
80%	479	481	493	506	517	519	517	536	531	493	477	481
90%	475	475	483	490	496	496	503	510	510	479	467	477
Long Term												
Full Simulation Period[a]	493	500	513	527	538	542	540	553	552	524	494	491
Water Year Types[b,c]												
Wet (23%)	512	520	529	547	558	562	539	556	574	565	528	512
Above Normal (24%)	495	508	523	536	555	562	552	570	572	541	497	487
Below Normal (10%)	492	497	509	524	540	542	539	552	550	521	488	487
Dry (16%)	485	493	508	526	533	535	546	556	545	505	479	487
Critical (27%)	478	479	493	503	508	511	526	533	518	486	472	482

PAU 113018 minus Without Action **103118**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
End of Month Elevation (FEET)												
Probability of Exceedance												
10%	56	65	87	102	102	109	97	118	118	112	71	56
20%	44	58	73	96	102	109	95	118	117	100	56	40
30%	39	53	66	81	102	108	96	109	114	84	39	34
40%	34	43	59	77	97	101	92	105	109	74	31	29
50%	32	39	54	69	90	92	87	100	97	63	27	27
60%	27	33	47	64	78	86	80	94	92	55	23	25
70%	24	26	40	55	72	75	70	90	85	45	20	24
80%	20	22	34	47	58	60	58	77	72	34	18	22
90%	16	16	24	31	37	37	44	51	51	20	8	18
Long Term												
Full Simulation Period[a]	34	41	54	68	79	83	77	94	92	65	35	32
Water Year Types[b,c]												
Wet (23%)	53	61	70	88	99	103	74	97	112	106	69	53
Above Normal (24%)	36	49	64	77	96	103	90	111	113	82	38	28
Below Normal (10%)	33	38	50	65	81	83	77	93	91	62	29	28
Dry (16%)	26	34	49	67	74	76	81	97	86	46	20	28
Critical (27%)	19	20	34	44	49	52	65	74	60	27	13	23

a Based on the 82-year simulation period.

b As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

e These are draft results meant for qualitative analysis and are subject to revision.

Table 8a-4. Millerton Lake Elevation, End of Month Elevation

Current Operations 102818

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	515	524	546	561	561	568	570	577	577	571	530	515
20%	503	517	532	555	561	568	562	577	576	559	515	499
30%	498	512	525	540	561	567	557	568	573	543	498	493
40%	493	502	518	536	556	560	551	564	568	533	490	488
50%	491	498	513	528	549	551	546	559	556	522	486	486
60%	486	492	506	523	537	545	539	553	551	514	482	484
70%	483	485	499	514	531	534	529	548	544	504	479	483
80%	479	481	493	506	517	519	517	536	531	493	477	481
90%	475	475	483	490	496	496	503	510	510	479	467	477
Long Term												
Full Simulation Period[a]	493	500	513	527	538	542	540	553	552	524	494	491
Water Year Types[b,c]												
Wet (23%)	512	520	529	547	558	562	539	556	574	565	528	512
Above Normal (24%)	495	508	523	536	555	562	552	570	572	541	497	487
Below Normal (10%)	492	497	509	524	540	542	539	552	550	521	488	487
Dry (16%)	485	493	508	526	533	535	546	556	545	505	479	487
Critical (27%)	478	479	493	503	508	511	526	533	518	486	472	482

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Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	515	524	546	561	561	568	570	577	577	571	530	515
20%	503	517	532	555	561	568	562	577	576	559	515	499
30%	498	512	525	540	561	567	557	568	573	543	498	493
40%	493	502	518	536	556	560	551	564	568	533	490	488
50%	491	498	513	528	549	551	546	559	556	522	486	486
60%	486	492	506	523	537	545	539	553	551	514	482	484
70%	483	485	499	514	531	534	529	549	544	504	479	483
80%	479	481	493	506	517	519	517	536	531	493	477	481
90%	475	475	483	490	496	496	503	510	510	479	467	477
Long Term												
Full Simulation Period[a]	493	500	513	527	538	542	540	553	552	524	494	491
Water Year Types[b,c]												
Wet (23%)	512	520	529	547	558	562	539	556	574	565	528	512
Above Normal (24%)	495	508	523	536	555	562	552	570	572	541	497	487
Below Normal (10%)	492	497	509	524	540	542	539	552	550	521	488	487
Dry (16%)	485	493	508	526	533	535	546	556	545	505	479	487
Critical (27%)	478	479	493	503	508	511	526	533	518	486	472	482

PAL 113018 minus Current Operations 102818

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b,c]												
Wet (23%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (24%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (10%)	0	0	0	0	0	0	0	0	0	0	0	0
Dry (16%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical (27%)	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 San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

e These are draft results meant for qualitative analysis and are subject to revision.

Table 8a-5. Millerton Lake Elevation, End of Month Elevation

Current Operations 102818

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
					End of Month Elevation (FEET)							
Probability of Exceedance												
10%	515	524	546	561	561	568	570	577	577	571	530	515
20%	503	517	532	555	561	568	562	577	576	559	515	499
30%	498	512	525	540	561	567	557	568	573	543	498	493
40%	493	502	518	536	556	560	551	564	568	533	490	488
50%	491	498	513	528	549	551	546	559	556	522	486	486
60%	486	492	506	523	537	545	539	553	551	514	482	484
70%	483	485	499	514	531	534	529	548	544	504	479	483
80%	479	481	493	506	517	519	517	536	531	493	477	481
90%	475	475	483	490	496	496	503	510	510	479	467	477
Long Term												
Full Simulation Period[a]	493	500	513	527	538	542	540	553	552	524	494	491
Water Year Types[b,c]												
Wet (23%)	512	520	529	547	558	562	539	556	574	565	528	512
Above Normal (24%)	495	508	523	536	555	562	552	570	572	541	497	487
Below Normal (10%)	492	497	509	524	540	542	539	552	550	521	488	487
Dry (16%)	485	493	508	526	533	535	546	556	545	505	479	487
Critical (27%)	478	479	493	503	508	511	526	533	518	486	472	482

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Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
					End of Month Elevation (FEET)							
Probability of Exceedance												
10%	515	524	546	561	561	568	570	577	577	571	530	515
20%	503	517	532	555	561	568	562	577	576	559	515	499
30%	498	512	525	540	561	567	557	568	573	543	498	493
40%	493	502	518	536	556	560	551	564	568	533	490	488
50%	491	498	513	528	549	551	546	559	556	522	486	486
60%	486	492	506	523	537	545	539	553	551	514	482	484
70%	483	485	499	514	531	534	529	549	544	504	479	483
80%	479	481	493	506	517	519	517	536	531	493	477	481
90%	475	475	483	490	496	496	503	510	510	479	467	477
Long Term												
Full Simulation Period[a]	493	500	513	527	538	542	540	553	552	524	494	491
Water Year Types[b,c]												
Wet (23%)	512	520	529	547	558	562	539	556	574	565	528	512
Above Normal (24%)	495	508	523	536	555	562	552	570	572	541	497	487
Below Normal (10%)	492	497	509	524	540	542	539	552	550	521	488	487
Dry (16%)	485	493	508	526	533	535	546	556	545	505	479	487
Critical (27%)	478	479	493	503	508	511	526	533	518	486	472	482

PAU 113018 minus Current Operations 102818

| Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
					End of Month Elevation (FEET)							
Probability of Exceedance												
10%	0	0	0	0	0	0	0	0	0	0	0	0
20%	0	0	0	0	0	0	0	0	0	0	0	0
30%	0	0	0	0	0	0	0	0	0	0	0	0
40%	0	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	0	0	0	0	0	0	0	0
60%	0	0	0	0	0	0	0	0	0	0	0	0
70%	0	0	0	0	0	0	0	0	0	0	0	0
80%	0	0	0	0	0	0	0	0	0	0	0	0
90%	0	0	0	0	0	0	0	0	0	0	0	0
Long Term												
Full Simulation Period[a]	0	0	0	0	0	0	0	0	0	0	0	0
Water Year Types[b,c]												
Wet (23%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal (24%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal (10%)	0	0	0	0	0	0	0	0	0	0	0	0
Dry (16%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical (27%)	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 San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

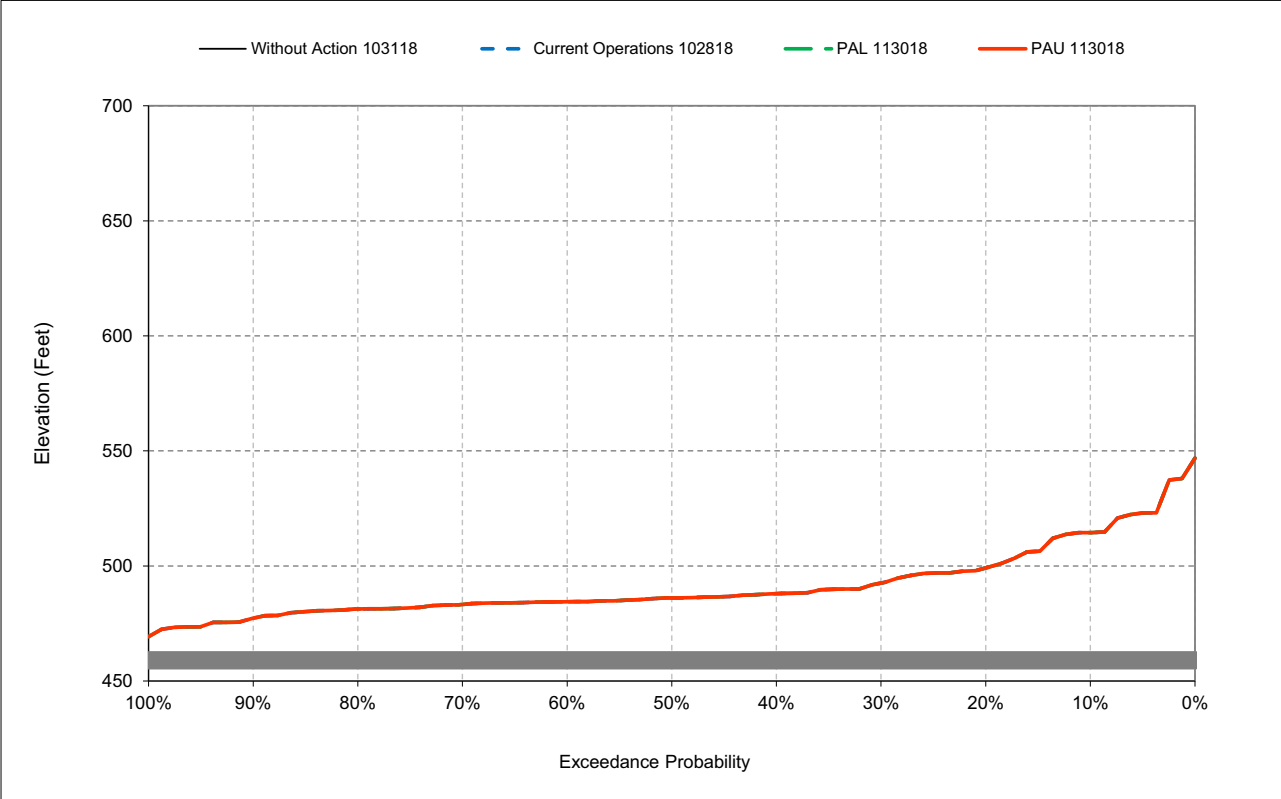e These are draft results meant for qualitative analysis and are subject to revision.

Figure 8a-1. Millerton Lake, Reservoir Pool Elevation, May
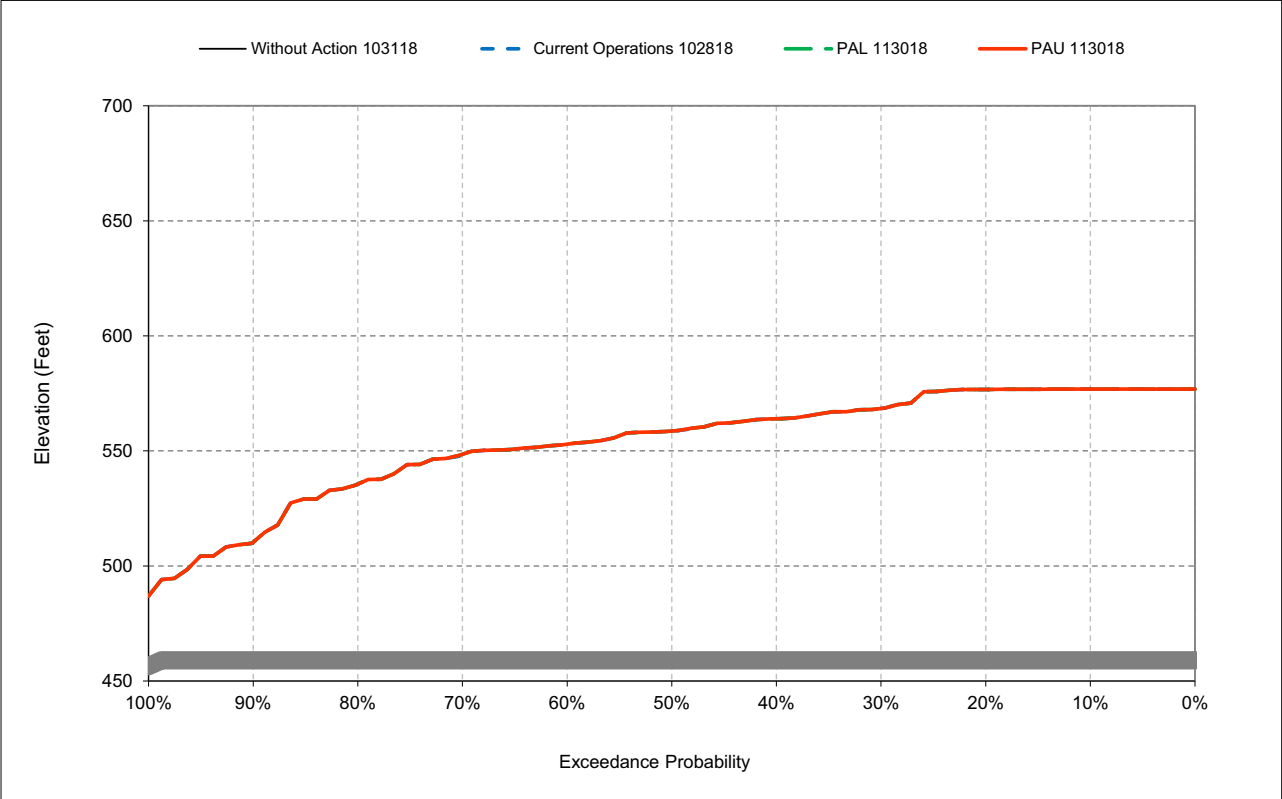
*All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

*These are draft results meant for qualitative analysis and are subject to revision.

Figure 8a-2. Millerton Lake, Reservoir Pool Elevation, September

*All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

*These are draft results meant for qualitative analysis and are subject to revision.